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Program Version:**EnergyPlus, Version 9.1.0-08d2e308bb, YMD=2019.06.19 07:52**

Tabular Output Report in Format: **HTML**

Building: **Building**

Environment: **RUNPERIOD 1 \*\* TENA - - MN7 WMO#=999**

Simulation Timestamp: **2019-06-19 07:53:09**

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Report: **Annual Building Utility Performance Summary**

For: **Entire Facility**

Timestamp: **2019-06-19 07:53:09**

**Values gathered over 8760.00 hours**  
  
  
  
**Site and Source Energy**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Total Energy [kWh] | Energy Per Total Building Area [kWh/m2] | Energy Per Conditioned Building Area [kWh/m2] |
| Total Site Energy | 113115.59 | 122.00 | 122.00 |
| Net Site Energy | 101130.63 | 109.07 | 109.07 |
| Total Source Energy | 253320.32 | 273.21 | 273.21 |
| Net Source Energy | 215363.95 | 232.27 | 232.27 |

**Site to Source Energy Conversion Factors**

|  |  |
| --- | --- |
|  | Site=>Source Conversion Factor |
| Electricity | 3.167 |
| Natural Gas | 1.084 |
| District Cooling | 1.056 |
| District Heating | 3.613 |
| Steam | 0.300 |
| Gasoline | 1.050 |
| Diesel | 1.050 |
| Coal | 1.050 |
| Fuel Oil #1 | 1.050 |
| Fuel Oil #2 | 1.050 |
| Propane | 1.050 |
| Other Fuel 1 | 1.000 |
| Other Fuel 2 | 1.000 |

**Building Area**

|  |  |
| --- | --- |
|  | Area [m2] |
| Total Building Area | 927.20 |
| Net Conditioned Building Area | 927.20 |
| Unconditioned Building Area | 0.00 |

**End Uses**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Electricity [kWh] | Natural Gas [kWh] | Additional Fuel [kWh] | District Cooling [kWh] | District Heating [kWh] | Water [m3] |
| Heating | 0.00 | 6885.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| Cooling | 12487.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Interior Lighting | 22566.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Exterior Lighting | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Interior Equipment | 13249.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Exterior Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fans | 2297.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pumps | 643.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Heat Rejection | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Humidification | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Heat Recovery | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Water Systems | 0.00 | 0.00 | 0.00 | 0.00 | 9473.13 | 238.79 |
| Refrigeration | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Generators | 0.00 | 45512.30 | 0.00 | 0.00 | 0.00 | 0.00 |
|  |  |  |  |  |  |  |
| Total End Uses | 51244.50 | 52397.95 | 0.00 | 0.00 | 9473.13 | 238.79 |

*Note: Natural gas appears to be the principal heating source based on energy usage.*   
  
**End Uses By Subcategory**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Subcategory | Electricity [kWh] | Natural Gas [kWh] | Additional Fuel [kWh] | District Cooling [kWh] | District Heating [kWh] | Water [m3] |
| Heating | Boiler | 0.00 | 6885.66 | 0.00 | 0.00 | 0.00 | 0.00 |
|  | Boiler Parasitic | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Cooling | General | 12487.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Interior Lighting | GeneralLights | 22566.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Exterior Lighting | General | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Interior Equipment | General | 13249.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Exterior Equipment | General | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fans | General | 2297.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pumps | General | 643.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Heat Rejection | General | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Humidification | General | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Heat Recovery | General | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Water Systems | Bathrooms | 0.00 | 0.00 | 0.00 | 0.00 | 4852.09 | 139.29 |
|  | Kitchen Sink | 0.00 | 0.00 | 0.00 | 0.00 | 4621.04 | 99.50 |
| Refrigeration | General | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Generators | General | 0.00 | 45512.30 | 0.00 | 0.00 | 0.00 | 0.00 |

**Normalized Metrics**  
  
**Utility Use Per Conditioned Floor Area**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Electricity Intensity [kWh/m2] | Natural Gas Intensity [kWh/m2] | Additional Fuel Intensity [kWh/m2] | District Cooling Intensity [kWh/m2] | District Heating Intensity [kWh/m2] | Water Intensity [m3/m2] |
| Lighting | 24.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| HVAC | 16.64 | 7.43 | 0.00 | 0.00 | 10.22 | 0.26 |
| Other | 14.29 | 49.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total | 55.27 | 56.51 | 0.00 | 0.00 | 10.22 | 0.26 |

**Utility Use Per Total Floor Area**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Electricity Intensity [kWh/m2] | Natural Gas Intensity [kWh/m2] | Additional Fuel Intensity [kWh/m2] | District Cooling Intensity [kWh/m2] | District Heating Intensity [kWh/m2] | Water Intensity [m3/m2] |
| Lighting | 24.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| HVAC | 16.64 | 7.43 | 0.00 | 0.00 | 10.22 | 0.26 |
| Other | 14.29 | 49.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total | 55.27 | 56.51 | 0.00 | 0.00 | 10.22 | 0.26 |

**Electric Loads Satisfied**

|  |  |  |
| --- | --- | --- |
|  | Electricity [kWh] | Percent Electricity [%] |
| Fuel-Fired Power Generation | 11984.960 | 23.39 |
| High Temperature Geothermal\* | 0.000 | 0.00 |
| Photovoltaic Power | 0.000 | 0.00 |
| Wind Power | 0.000 | 0.00 |
| Power Conversion | 0.000 | 0.00 |
| Net Decrease in On-Site Storage | 0.000 | 0.00 |
| Total On-Site Electric Sources | 11984.960 | 23.39 |
|  |  |  |
| Electricity Coming From Utility | 41464.798 | 80.92 |
| Surplus Electricity Going To Utility | 2205.254 | 4.30 |
| Net Electricity From Utility | 39259.544 | 76.61 |
|  |  |  |
| Total On-Site and Utility Electric Sources | 51244.504 | 100.00 |
| Total Electricity End Uses | 51244.504 | 100.00 |

**On-Site Thermal Sources**

|  |  |  |
| --- | --- | --- |
|  | Heat [kWh] | Percent Heat [%] |
| Water-Side Heat Recovery | 0.00 |  |
| Air to Air Heat Recovery for Cooling | 0.00 |  |
| Air to Air Heat Recovery for Heating | 0.00 |  |
| High-Temperature Geothermal\* | 0.00 |  |
| Solar Water Thermal | 0.00 |  |
| Solar Air Thermal | 0.00 |  |
| Total On-Site Thermal Sources | 0.00 |  |

**Water Source Summary**

|  |  |  |
| --- | --- | --- |
|  | Water [m3] | Percent Water [%] |
| Rainwater Collection | 0.00 | 0.00 |
| Condensate Collection | 0.00 | 0.00 |
| Groundwater Well | 0.00 | 0.00 |
| Total On Site Water Sources | 0.00 | 0.00 |
| - | - | - |
| Initial Storage | 0.00 | 0.00 |
| Final Storage | 0.00 | 0.00 |
| Change in Storage | 0.00 | 0.00 |
| - | - | - |
| Water Supplied by Utility | 238.79 | 100.00 |
| - | - | - |
| Total On Site, Change in Storage, and Utility Water Sources | 238.79 | 100.00 |
| Total Water End Uses | 238.79 | 100.00 |

**Setpoint Not Met Criteria**

|  |  |
| --- | --- |
|  | Degrees [deltaC] |
| Tolerance for Zone Heating Setpoint Not Met Time | 0.20 |
| Tolerance for Zone Cooling Setpoint Not Met Time | 0.20 |

**Comfort and Setpoint Not Met Summary**

|  |  |
| --- | --- |
|  | Facility [Hours] |
| Time Setpoint Not Met During Occupied Heating | 0.00 |
| Time Setpoint Not Met During Occupied Cooling | 273.00 |
| Time Not Comfortable Based on Simple ASHRAE 55-2004 | 1246.75 |

Note 1: An asterisk (\*) indicates that the feature is not yet implemented.

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Report: **Input Verification and Results Summary**

For: **Entire Facility**

Timestamp: **2019-06-19 07:53:09**

**General**

|  |  |
| --- | --- |
|  | Value |
| Program Version and Build | EnergyPlus, Version 9.1.0-08d2e308bb, YMD=2019.06.19 07:52 |
| RunPeriod | RUNPERIOD 1 |
| Weather File | TENA - - MN7 WMO#=999 |
| Latitude [deg] | -1.0 |
| Longitude [deg] | -77.8 |
| Elevation [m] | 499.00 |
| Time Zone | -5.0 |
| North Axis Angle [deg] | 30.00 |
| Rotation for Appendix G [deg] | 0.00 |
| Hours Simulated [hrs] | 8760.00 |

**ENVELOPE**  
  
**Window-Wall Ratio**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Total | North (315 to 45 deg) | East (45 to 135 deg) | South (135 to 225 deg) | West (225 to 315 deg) |
| Gross Wall Area [m2] | 274.20 | 91.50 | 45.60 | 91.50 | 45.60 |
| Above Ground Wall Area [m2] | 274.20 | 91.50 | 45.60 | 91.50 | 45.60 |
| Window Opening Area [m2] | 60.90 | 20.85 | 9.12 | 21.81 | 9.12 |
| Gross Window-Wall Ratio [%] | 22.21 | 22.79 | 20.00 | 23.84 | 20.00 |
| Above Ground Window-Wall Ratio [%] | 22.21 | 22.79 | 20.00 | 23.84 | 20.00 |

**Conditioned Window-Wall Ratio**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Total | North (315 to 45 deg) | East (45 to 135 deg) | South (135 to 225 deg) | West (225 to 315 deg) |
| Gross Wall Area [m2] | 274.20 | 91.50 | 45.60 | 91.50 | 45.60 |
| Above Ground Wall Area [m2] | 274.20 | 91.50 | 45.60 | 91.50 | 45.60 |
| Window Opening Area [m2] | 60.90 | 20.85 | 9.12 | 21.81 | 9.12 |
| Gross Window-Wall Ratio [%] | 22.21 | 22.79 | 20.00 | 23.84 | 20.00 |
| Above Ground Window-Wall Ratio [%] | 22.21 | 22.79 | 20.00 | 23.84 | 20.00 |

**Skylight-Roof Ratio**

|  |  |
| --- | --- |
|  | Total |
| Gross Roof Area [m2] | 463.60 |
| Skylight Area [m2] | 0.00 |
| Skylight-Roof Ratio [%] | 0.00 |

**PERFORMANCE**  
  
**Zone Summary**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Area [m2] | Conditioned (Y/N) | Part of Total Floor Area (Y/N) | Volume [m3] | Multipliers | Above Ground Gross Wall Area [m2] | Underground Gross Wall Area [m2] | Window Glass Area [m2] | Opening Area [m2] | Lighting [W/m2] | People [m2 per person] | Plug and Process [W/m2] |
| PLENUM-1 | 463.60 | Yes | Yes | 283.20 | 1.00 | 54.84 | 0.00 | 0.00 | 0.00 | 0.0000 |  | 0.0000 |
| SPACE1-1 | 99.16 | Yes | Yes | 239.25 | 1.00 | 73.20 | 0.00 | 21.81 | 21.81 | 15.9742 | 9.01 | 10.6495 |
| SPACE2-1 | 42.73 | Yes | Yes | 103.31 | 1.00 | 36.48 | 0.00 | 9.12 | 9.12 | 16.0056 | 8.55 | 10.6704 |
| SPACE3-1 | 96.48 | Yes | Yes | 239.25 | 1.00 | 73.20 | 0.00 | 20.85 | 20.85 | 16.4179 | 8.77 | 10.9453 |
| SPACE4-1 | 42.73 | Yes | Yes | 103.31 | 1.00 | 36.48 | 0.00 | 9.12 | 9.12 | 16.0056 | 8.55 | 10.6704 |
| SPACE5-1 | 182.49 | Yes | Yes | 447.68 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.2420 | 9.12 | 10.8280 |
| Total | 927.20 |  |  | 1416.00 |  | 274.20 | 0.00 | 60.90 | 60.90 | 8.0889 | 17.83 | 5.3926 |
| Conditioned Total | 927.20 |  |  | 1416.00 |  | 274.20 | 0.00 | 60.90 | 60.90 | 8.0889 | 17.83 | 5.3926 |
| Unconditioned Total | 0.00 |  |  | 0.00 |  | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |
| Not Part of Total | 0.00 |  |  | 0.00 |  | 0.00 | 0.00 | 0.00 | 0.00 |  |  |  |

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Report: **Demand End Use Components Summary**

For: **Entire Facility**

Timestamp: **2019-06-19 07:53:09**

**End Uses**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Electricity [W] | Natural Gas [W] | Propane [W] | District Cooling [W] | District Heating [W] | Water [m3/s] |
| Time of Peak | 22-MAR-10:00 | 12-SEP-06:15 | - | - | 01-JAN-12:15 | 01-JAN-12:15 |
| Heating | 0.00 | 25979.51 | 0.00 | 0.00 | 0.00 | 0.00 |
| Cooling | 7086.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Interior Lighting | 7500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Exterior Lighting | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Interior Equipment | 4500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Exterior Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fans | 853.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pumps | 172.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Heat Rejection | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Humidification | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Heat Recovery | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Water Systems | 0.00 | 0.00 | 0.00 | 0.00 | 4747.65 | 0.00 |
| Refrigeration | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Generators | 0.00 | 5464.47 | 0.00 | 0.00 | 0.00 | 0.00 |
|  |  |  |  |  |  |  |
| Total End Uses | 20112.67 | 31443.99 | 0.00 | 0.00 | 4747.65 | 0.00 |

**End Uses By Subcategory**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Subcategory | Electricity [W] | Natural Gas [W] | Propane [W] | District Cooling [W] | District Heating [W] | Water [m3/s] |
| Heating | Boiler | 0.00 | 25979.51 | 0.00 | 0.00 | 0.00 | 0.00 |
|  | Boiler Parasitic | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Cooling | General | 7086.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Interior Lighting | GeneralLights | 7500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Exterior Lighting | General | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Interior Equipment | General | 4500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Exterior Equipment | General | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fans | General | 853.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pumps | General | 172.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Heat Rejection | General | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Humidification | General | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Heat Recovery | General | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Water Systems | Bathrooms | 0.00 | 0.00 | 0.00 | 0.00 | 1582.55 | 0.00 |
|  | Kitchen Sink | 0.00 | 0.00 | 0.00 | 0.00 | 3165.10 | 0.00 |
| Refrigeration | General | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Generators | General | 0.00 | 5464.47 | 0.00 | 0.00 | 0.00 | 0.00 |

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Report: **Source Energy End Use Components Summary**

For: **Entire Facility**

Timestamp: **2019-06-19 07:53:09**

**Values gathered over 8760.00 hours**  
  
  
  
**Source Energy End Use Components Summary**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Source Electricity [kWh] | Source Natural Gas [kWh] | Source Additional Fuel [kWh] | Source District Cooling [kWh] | Source District Heating [kWh] |
| Heating | 0.00 | 7464.05 | 0.00 | 0.00 | 0.00 |
| Cooling | 39549.37 | 0.00 | 0.00 | 0.00 | 0.00 |
| Interior Lighting | 71467.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| Exterior Lighting | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Interior Equipment | 41960.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| Exterior Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fans | 7276.68 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pumps | 2037.37 | 0.00 | 0.00 | 0.00 | 0.00 |
| Heat Rejection | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Humidification | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Heat Recovery | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Water Systems | 0.00 | 0.00 | 0.00 | 0.00 | 34229.59 |
| Refrigeration | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Generators | 0.00 | 49335.33 | 0.00 | 0.00 | 0.00 |
|  |  |  |  |  |  |
| Total Source Energy End Use Components | 162291.34 | 56799.38 | 0.00 | 0.00 | 34229.59 |

**Normalized Metrics**  
  
**Source Energy End Use Components Per Conditioned Floor Area**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Source Electricity [kWh/m2] | Source Natural Gas [kWh/m2] | Source Additional Fuel [kWh/m2] | Source District Cooling [kWh/m2] | Source District Heating [kWh/m2] |
| Heating | 0.00 | 8.05 | 0.00 | 0.00 | 0.00 |
| Cooling | 42.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| Interior Lighting | 77.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| Exterior Lighting | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Interior Equipment | 45.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| Exterior Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fans | 7.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pumps | 2.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| Heat Rejection | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Humidification | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Heat Recovery | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Water Systems | 0.00 | 0.00 | 0.00 | 0.00 | 36.92 |
| Refrigeration | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Generators | 0.00 | 53.21 | 0.00 | 0.00 | 0.00 |
|  |  |  |  |  |  |
| Total Source Energy End Use Components | 175.03 | 61.26 | 0.00 | 0.00 | 36.92 |

**Source Energy End Use Components Per Total Floor Area**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Source Electricity [kWh/m2] | Source Natural Gas [kWh/m2] | Source Additional Fuel [kWh/m2] | Source District Cooling [kWh/m2] | Source District Heating [kWh/m2] |
| Heating | 0.00 | 8.05 | 0.00 | 0.00 | 0.00 |
| Cooling | 42.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| Interior Lighting | 77.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| Exterior Lighting | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Interior Equipment | 45.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| Exterior Equipment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fans | 7.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pumps | 2.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| Heat Rejection | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Humidification | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Heat Recovery | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Water Systems | 0.00 | 0.00 | 0.00 | 0.00 | 36.92 |
| Refrigeration | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Generators | 0.00 | 53.21 | 0.00 | 0.00 | 0.00 |
|  |  |  |  |  |  |
| Total Source Energy End Use Components | 175.03 | 61.26 | 0.00 | 0.00 | 36.92 |

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Report: **Component Sizing Summary**

For: **Entire Facility**

Timestamp: **2019-06-19 07:53:09**

**AirTerminal:SingleDuct:VAV:Reheat**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Design Size Maximum Air Flow Rate [m3/s] | Design Size Constant Minimum Air Flow Fraction | User-Specified Constant Minimum Air Flow Fraction | Design Size Minimum Air Flow Rate [m3/s] | Design Size Maximum Flow Fraction during Reheat [] | Design Size Maximum Flow per Zone Floor Area during Reheat [m3/s-m2] | Design Size Maximum Reheat Water Flow Rate [m3/s] | Design Size Reheat Coil Sizing Air Volume Flow Rate [m3/s] | Design Size Reheat Coil Sizing Inlet Air Temperature [C] | Design Size Reheat Coil Sizing Inlet Air Humidity Ratio [kgWater/kgDryAir] |
| SPACE1-1 VAV REHEAT | 0.265197 | 0.284920 | 0.400000 | 0.106079 | 0.759786 | 0.002032 | 0.000133 | 0.157166 | 16.70 | 0.008000 |
| SPACE2-1 VAV REHEAT | 0.151020 | 0.215627 | 0.400000 | 0.060408 | 0.937466 | 0.003313 | 0.000056 | 0.066158 | 16.70 | 0.008000 |
| SPACE3-1 VAV REHEAT | 0.522318 | 0.200000 | 0.400000 | 0.208927 | 0.400000 | 0.002165 | 0.000137 | 0.208927 | 16.70 | 0.008000 |
| SPACE4-1 VAV REHEAT | 0.311786 | 0.200000 | 0.400000 | 0.124714 | 0.454081 | 0.003313 | 0.000064 | 0.124714 | 16.70 | 0.008000 |
| SPACE5-1 VAV REHEAT | 0.295176 | 0.471101 | 0.400000 | 0.118070 | 1.00 | 0.001617 | 0.000103 | 0.121375 | 16.70 | 0.008000 |

*User-Specified values were used. Design Size values were used if no User-Specified values were provided. Design Size values may be derived from alternate User-Specified values.*   
  
**Coil:Heating:Water**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Design Size Rated Capacity [W] | Design Size Maximum Water Flow Rate [m3/s] | Design Size U-Factor Times Area Value [W/K] |
| SPACE1-1 ZONE COIL | 6011.33 | 0.000133 | 147.22 |
| SPACE2-1 ZONE COIL | 2530.40 | 0.000056 | 61.97 |
| SPACE3-1 ZONE COIL | 6198.12 | 0.000137 | 137.95 |
| SPACE4-1 ZONE COIL | 2900.13 | 0.000064 | 60.80 |
| SPACE5-1 ZONE COIL | 4641.97 | 0.000103 | 113.68 |
| MAIN HEATING COIL 1 | 17975.12 | 0.000397 | 241.47 |

*User-Specified values were used. Design Size values were used if no User-Specified values were provided.*   
  
**AirLoopHVAC**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Sum of Air Terminal Maximum Heating Flow Rates [m3/s] | Sum of Air Terminal Minimum Heating Flow Rates [m3/s] | Sum of Air Terminal Maximum Flow Rates [m3/s] | Adjusted Heating Design Air Flow Rate [m3/s] | Adjusted Cooling Design Air Flow Rate [m3/s] | Adjusted Main Design Air Flow Rate [m3/s] | User Heating Air Flow Ratio [] | Calculated Heating Air Flow Ratio [] | Design Supply Air Flow Rate [m3/s] |
| VAV SYS 1 | 0.988748 | 0.618199 | 1.55 | 0.988748 | 1.55 | 1.55 | 0.300000 | 0.639761 | 1.55 |

*User-Specified values were used. Design Size values were used if no User-Specified values were provided.*   
  
**Controller:OutdoorAir**

|  |  |  |
| --- | --- | --- |
|  | Maximum Outdoor Air Flow Rate [m3/s] | Minimum Outdoor Air Flow Rate [m3/s] |
| OA CONTROLLER 1 | 1.55 | 0.490880 |

*User-Specified values were used. Design Size values were used if no User-Specified values were provided.*   
  
**Coil:Cooling:Water**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Design Size Design Inlet Air Temperature [C] | Design Size Design Inlet Water Temperature [C] | Design Size Design Outlet Air Temperature [C] | Design Size Design Inlet Air Humidity Ratio | Design Size Design Outlet Air Humidity Ratio | Design Size Design Coil Load [W] | Design Size Design Water Flow Rate [m3/s] | Design Size Design Air Flow Rate [m3/s] |
| MAIN COOLING COIL 1 | 26.53 | 7.22 | 12.06 | 0.011256 | 0.008000 | 40439.26 | 0.001444 | 1.55 |

*User-Specified values were used. Design Size values were used if no User-Specified values were provided.*   
  
**Fan:VariableVolume**

|  |  |
| --- | --- |
|  | Design Size Maximum Flow Rate [m3/s] |
| SUPPLY FAN 1 | 1.55 |

*User-Specified values were used. Design Size values were used if no User-Specified values were provided.*   
  
**Controller:WaterCoil**

|  |  |
| --- | --- |
|  | Maximum Actuated Flow [m3/s] |
| CENTRAL COOLING COIL CONTOLLER 1 | 0.001444 |
| CENTRAL HEATING COIL CONTOLLER 1 | 0.000397 |

*User-Specified values were used. Design Size values were used if no User-Specified values were provided.*   
  
**PlantLoop**

|  |  |  |
| --- | --- | --- |
|  | Maximum Loop Flow Rate [m3/s] | Plant Loop Volume [m3] |
| HOT WATER LOOP | 0.000889 | 0.106732 |
| CHILLED WATER LOOP | 0.001444 | 0.173328 |

*User-Specified values were used. Design Size values were used if no User-Specified values were provided.*   
  
**Pump:VariableSpeed**

|  |  |  |
| --- | --- | --- |
|  | Design Flow Rate [m3/s] | Design Power Consumption [W] |
| HW CIRC PUMP | 0.000889 | 227.24 |
| CW CIRC PUMP | 0.001444 | 369.02 |

*User-Specified values were used. Design Size values were used if no User-Specified values were provided.*   
  
**Boiler:HotWater**

|  |  |  |
| --- | --- | --- |
|  | Design Size Nominal Capacity [W] | Design Size Design Water Flow Rate [m3/s] |
| CENTRAL BOILER | 40257.07 | 0.000889 |

*User-Specified values were used. Design Size values were used if no User-Specified values were provided.*   
  
**Chiller:Electric**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Design Size Nominal Capacity [W] | Design Size Design Chilled Water Flow Rate [m3/s] | User-Specified Design Condenser Water Flow Rate [m3/s] |
| CENTRAL CHILLER | 40439.26 | 0.001444 | 0.001100 |

*User-Specified values were used. Design Size values were used if no User-Specified values were provided.*

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Report: **Surface Shadowing Summary**

For: **Entire Facility**

Timestamp: **2019-06-19 07:53:09**

**Surfaces (Walls, Roofs, etc) that may be Shadowed by Other Surfaces**

|  |  |
| --- | --- |
|  | Possible Shadow Receivers |
| MAIN SOUTH OVERHANG | FRONT-1 | |
| Mir-MAIN SOUTH OVERHANG | SOUTH DOOR OVERHANG | WALL-1PF | FRONT-1 | |
| SOUTH DOOR OVERHANG | WALL-1PF | |
| Mir-SOUTH DOOR OVERHANG | WALL-1PF | |
| WALL-1PF | SOUTH DOOR OVERHANG | |
| FRONT-1 | MAIN SOUTH OVERHANG | SOUTH DOOR OVERHANG | |

**Subsurfaces (Windows and Doors) that may be Shadowed by Surfaces**

|  |  |
| --- | --- |
|  | Possible Shadow Receivers |
| FRONT-1 | WF-1 | DF-1 | |
| RIGHT-1 | WR-1 | |
| BACK-1 | WB-1 | DB-1 | |
| LEFT-1 | WL-1 | |

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Report: **Adaptive Comfort Summary**

For: **Entire Facility**

Timestamp: **2019-06-19 07:53:09**

**Time Not Meeting the Adaptive Comfort Models during Occupied Hours**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | ASHRAE55 90% Acceptability Limits [Hours] | ASHRAE55 80% Acceptability Limits [Hours] | CEN15251 Category I Acceptability Limits [Hours] | CEN15251 Category II Acceptability Limits [Hours] | CEN15251 Category III Acceptability Limits [Hours] |

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Report: **Initialization Summary**

For: **Entire Facility**

Timestamp: **2019-06-19 07:53:09**

**Version**

|  |  |
| --- | --- |
|  | Version ID |
| 1 | 9.1 |

**Timesteps per Hour**

|  |  |  |
| --- | --- | --- |
|  | #TimeSteps | Minutes per TimeStep {minutes} |
| 1 | 4 | 15 |

**System Convergence Limits**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Minimum System TimeStep {minutes} | Max HVAC Iterations | Minimum Plant Iterations | Maximum Plant Iterations |
| 1 | 1 | 20 | 2 | 8 |

**Simulation Control**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Do Zone Sizing | Do System Sizing | Do Plant Sizing | Do Design Days | Do Weather Simulation | Do HVAC Sizing Simulation |
| 1 | Yes | Yes | Yes | No | Yes | No |

**Output Reporting Tolerances**

|  |  |  |
| --- | --- | --- |
|  | Tolerance for Time Heating Setpoint Not Met | Tolerance for Zone Cooling Setpoint Not Met Time |
| 1 | 0.200 | 0.200 |

**Site:GroundTemperature:BuildingSurface**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan{C} | Feb{C} | Mar{C} | Apr{C} | May{C} | Jun{C} | Jul{C} | Aug{C} | Sep{C} | Oct{C} | Nov{C} | Dec{C} |
| 1 | 20.03 | 20.03 | 20.13 | 20.30 | 20.43 | 20.52 | 20.62 | 20.77 | 20.78 | 20.55 | 20.44 | 20.20 |

**Site:GroundTemperature:FCfactorMethod**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan{C} | Feb{C} | Mar{C} | Apr{C} | May{C} | Jun{C} | Jul{C} | Aug{C} | Sep{C} | Oct{C} | Nov{C} | Dec{C} |
| 1 | 23.60 | 23.80 | 23.90 | 23.80 | 23.60 | 23.20 | 22.90 | 22.70 | 22.60 | 22.70 | 22.90 | 23.20 |

**Site:GroundTemperature:Shallow**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan{C} | Feb{C} | Mar{C} | Apr{C} | May{C} | Jun{C} | Jul{C} | Aug{C} | Sep{C} | Oct{C} | Nov{C} | Dec{C} |
| 1 | 13.00 | 13.00 | 13.00 | 13.00 | 13.00 | 13.00 | 13.00 | 13.00 | 13.00 | 13.00 | 13.00 | 13.00 |

**Site:GroundTemperature:Deep**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan{C} | Feb{C} | Mar{C} | Apr{C} | May{C} | Jun{C} | Jul{C} | Aug{C} | Sep{C} | Oct{C} | Nov{C} | Dec{C} |
| 1 | 16.00 | 16.00 | 16.00 | 16.00 | 16.00 | 16.00 | 16.00 | 16.00 | 16.00 | 16.00 | 16.00 | 16.00 |

**Site:GroundReflectance**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan{dimensionless} | Feb{dimensionless} | Mar{dimensionless} | Apr{dimensionless} | May{dimensionless} | Jun{dimensionless} | Jul{dimensionless} | Aug{dimensionless} | Sep{dimensionless} | Oct{dimensionless} | Nov{dimensionless} | Dec{dimensionless} |
| 1 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |

**Site:GroundReflectance:SnowModifier**

|  |  |  |
| --- | --- | --- |
|  | Normal | Daylighting {dimensionless} |
| 1 | 1.000 | 1.000 |

**Site:GroundReflectance:Snow**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan{dimensionless} | Feb{dimensionless} | Mar{dimensionless} | Apr{dimensionless} | May{dimensionless} | Jun{dimensionless} | Jul{dimensionless} | Aug{dimensionless} | Sep{dimensionless} | Oct{dimensionless} | Nov{dimensionless} | Dec{dimensionless} |
| 1 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |

**Site:GroundReflectance:Snow:Daylighting**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan{dimensionless} | Feb{dimensionless} | Mar{dimensionless} | Apr{dimensionless} | May{dimensionless} | Jun{dimensionless} | Jul{dimensionless} | Aug{dimensionless} | Sep{dimensionless} | Oct{dimensionless} | Nov{dimensionless} | Dec{dimensionless} |
| 1 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |

**Environment:Weather Station**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Wind Sensor Height Above Ground {m} | Wind Speed Profile Exponent {} | Wind Speed Profile Boundary Layer Thickness {m} | Air Temperature Sensor Height Above Ground {m} | Wind Speed Modifier Coefficient-Internal | Temperature Modifier Coefficient-Internal |
| 1 | 10.000 | 0.140 | 270.000 | 1.500 | 1.586 | 9.750E-003 |

**Site:Location**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Location Name | Latitude {N+/S- Deg} | Longitude {E+/W- Deg} | Time Zone Number {GMT+/-} | Elevation {m} | Standard Pressure at Elevation {Pa} | Standard RhoAir at Elevation |
| 1 | TENA - - MN7 WMO#=999 | -0.98 | -77.81 | -5.00 | 499.00 | 95472 | 1.1347 |

**Site Water Mains Temperature Information**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Calculation Method{} | Water Mains Temperature Schedule Name{} | Annual Average Outdoor Air Temperature{C} | Maximum Difference In Monthly Average Outdoor Air Temperatures{deltaC} | Fixed Default Water Mains Temperature{C} |
| 1 | FixedDefault | NA | NA | NA | 10.0 |

**Building Information**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Building Name | North Axis {deg} | Terrain | Loads Convergence Tolerance Value | Temperature Convergence Tolerance Value | Solar Distribution | Maximum Number of Warmup Days | Minimum Number of Warmup Days |
| 1 | Building | 30.000 | City | 4.00000E-002 | 0.40000 | FullExterior | 25 | 6 |

**Inside Convection Algorithm**

|  |  |
| --- | --- |
|  | Algorithm {Simple  TARP  CeilingDiffuser  AdaptiveConvectionAlgorithm} |
| 1 | Simple |

**Outside Convection Algorithm**

|  |  |
| --- | --- |
|  | Algorithm {SimpleCombined  TARP  MoWitt  DOE-2  AdaptiveConvectionAlgorithm} |
| 1 | SimpleCombined |

**Sky Radiance Distribution**

|  |  |
| --- | --- |
|  | Value {Anisotropic} |
| 1 | Anisotropic |

**Zone Air Solution Algorithm**

|  |  |
| --- | --- |
|  | Value {ThirdOrderBackwardDifference  AnalyticalSolution  EulerMethod} |
| 1 | ThirdOrderBackwardDifference |

**Zone Air Carbon Dioxide Balance Simulation**

|  |  |  |
| --- | --- | --- |
|  | Simulation {Yes/No} | Carbon Dioxide Concentration |
| 1 | No | N/A |

**Zone Air Generic Contaminant Balance Simulation**

|  |  |  |
| --- | --- | --- |
|  | Simulation {Yes/No} | Generic Contaminant Concentration |
| 1 | No | N/A |

**Zone Air Mass Flow Balance Simulation**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Enforce Mass Balance | Adjust Zone Mixing | Adjust Zone Infiltration {AddInfiltration  AdjustInfiltration  None} | Infiltration Zones {MixingSourceZonesOnly  AllZones} |
| 1 | No | N/A | N/A | N/A |

**HVACSystemRootFindingAlgorithm**

|  |  |
| --- | --- |
|  | Value {RegulaFalsi  Bisection  BisectionThenRegulaFalsi  RegulaFalsiThenBisection} |
| 1 | RegulaFalsi |

**Environment:Site Atmospheric Variation**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Wind Speed Profile Exponent {} | Wind Speed Profile Boundary Layer Thickness {m} | Air Temperature Gradient Coefficient {K/m} |
| 1 | 0.330 | 460.000 | 6.500000E-003 |

**Surface Geometry**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Starting Corner | Vertex Input Direction | Coordinate System | Daylight Reference Point Coordinate System | Rectangular (Simple) Surface Coordinate System |
| 1 | UpperLeftCorner | Counterclockwise | RelativeCoordinateSystem | RelativeCoordinateSystem | RelativeToZoneOrigin |

**Surface Heat Transfer Algorithm**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Value {CTF - ConductionTransferFunction  EMPD - MoisturePenetrationDepthConductionTransferFunction  CondFD - ConductionFiniteDifference  HAMT - CombinedHeatAndMoistureFiniteElement} - Description | Inside Surface Max Temperature Limit{C} | Surface Convection Coefficient Lower Limit {W/m2-K} | Surface Convection Coefficient Upper Limit {W/m2-K} |
| 1 | CTF - ConductionTransferFunction | 200 | 0.10 | 1000.0 |

**Shading Summary**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Number of Fixed Detached Shades | Number of Building Detached Shades | Number of Attached Shades |
| 1 | 0 | 0 | 4 |

**Zone Summary**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Number of Zones | Number of Zone Surfaces | Number of SubSurfaces |
| 1 | 6 | 46 | 6 |

**Zone Information**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Zone Name | North Axis {deg} | Origin X-Coordinate {m} | Origin Y-Coordinate {m} | Origin Z-Coordinate {m} | Centroid X-Coordinate {m} | Centroid Y-Coordinate {m} | Centroid Z-Coordinate {m} | Type | Zone Multiplier | Zone List Multiplier | Minimum X {m} | Maximum X {m} | Minimum Y {m} | Maximum Y {m} | Minimum Z {m} | Maximum Z {m} | Ceiling Height {m} | Volume {m3} | Zone Inside Convection Algorithm {Simple-Detailed-CeilingDiffuser-TrombeWall} | Zone Outside Convection Algorithm {Simple-Detailed-Tarp-MoWitt-DOE-2-BLAST} | Floor Area {m2} | Exterior Gross Wall Area {m2} | Exterior Net Wall Area {m2} | Exterior Window Area {m2} | Number of Surfaces | Number of SubSurfaces | Number of Shading SubSurfaces | Part of Total Building Area |
| 1 | PLENUM-1 | 0.0 | 0.00 | 0.00 | 0.00 | 17.01 | -1.04 | 2.70 | 1 | 1 | 1 | 0.00 | 34.01 | -15.25 | 13.16 | 2.40 | 3.00 | 0.61 | 283.20 | Simple | Simple | 463.60 | 54.84 | 54.84 | 0.00 | 10 | 0 | 0 | Yes |
| 2 | SPACE1-1 | 0.0 | 0.00 | 0.00 | 0.00 | 14.06 | -6.15 | 1.20 | 1 | 1 | 1 | 0.00 | 26.41 | -15.25 | 1.35 | 0.00 | 2.40 | 2.44 | 239.25 | Simple | Simple | 99.16 | 73.20 | 51.39 | 21.81 | 6 | 2 | 4 | Yes |
| 3 | SPACE2-1 | 0.0 | 0.00 | 0.00 | 0.00 | 28.88 | -7.88 | 1.20 | 1 | 1 | 1 | 25.06 | 34.01 | -15.25 | -2.09 | 0.00 | 2.40 | 2.44 | 103.31 | Simple | Simple | 42.74 | 36.48 | 27.36 | 9.12 | 6 | 1 | 0 | Yes |
| 4 | SPACE3-1 | 0.0 | 0.00 | 0.00 | 0.00 | 19.98 | 4.10 | 1.20 | 1 | 1 | 1 | 7.60 | 34.01 | -3.35 | 13.16 | 0.00 | 2.40 | 2.44 | 239.25 | Simple | Simple | 96.48 | 73.20 | 52.35 | 20.85 | 6 | 2 | 0 | Yes |
| 5 | SPACE4-1 | 0.0 | 0.00 | 0.00 | 0.00 | 5.15 | 5.82 | 1.20 | 1 | 1 | 1 | 0.00 | 9.00 | 0.00 | 13.16 | 0.00 | 2.40 | 2.44 | 103.31 | Simple | Simple | 42.74 | 36.48 | 27.36 | 9.12 | 6 | 1 | 0 | Yes |
| 6 | SPACE5-1 | 0.0 | 0.00 | 0.00 | 0.00 | 17.03 | -1.00 | 1.20 | 1 | 1 | 1 | 5.05 | 29.01 | -10.20 | 8.20 | 0.00 | 2.40 | 2.44 | 447.68 | Simple | Simple | 182.49 | 0.00 | 0.00 | 0.00 | 6 | 0 | 0 | Yes |

**Zone Internal Gains Nominal**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Zone Name | Floor Area {m2} | # Occupants | Area per Occupant {m2/person} | Occupant per Area {person/m2} | Interior Lighting {W/m2} | Electric Load {W/m2} | Gas Load {W/m2} | Other Load {W/m2} | Hot Water Eq {W/m2} | Steam Equipment {W/m2} | Sum Loads per Area {W/m2} | Outdoor Controlled Baseboard Heat |
| 1 | PLENUM-1 | 463.60 | 0.0 | N/A | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | No |
| 2 | SPACE1-1 | 99.16 | 11.0 | 9.015 | 0.111 | 15.974 | 10.649 | 0.000 | 0.000 | 0.000 | 0.000 | 26.624 | No |
| 3 | SPACE2-1 | 42.74 | 5.0 | 8.547 | 0.117 | 16.006 | 10.670 | 0.000 | 0.000 | 0.000 | 0.000 | 26.676 | No |
| 4 | SPACE3-1 | 96.48 | 11.0 | 8.771 | 0.114 | 16.418 | 10.945 | 0.000 | 0.000 | 0.000 | 0.000 | 27.363 | No |
| 5 | SPACE4-1 | 42.74 | 5.0 | 8.547 | 0.117 | 16.006 | 10.670 | 0.000 | 0.000 | 0.000 | 0.000 | 26.676 | No |
| 6 | SPACE5-1 | 182.49 | 20.0 | 9.125 | 0.110 | 16.242 | 10.828 | 0.000 | 0.000 | 0.000 | 0.000 | 27.070 | No |

**People Internal Gains Nominal**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Name | Schedule Name | Zone Name | Zone Floor Area {m2} | # Zone Occupants | Number of People {} | People/Floor Area {person/m2} | Floor Area per person {m2/person} | Fraction Radiant | Fraction Convected | Sensible Fraction Calculation | Activity level | ASHRAE 55 Warnings | Carbon Dioxide Generation Rate | Nominal Minimum Number of People | Nominal Maximum Number of People |
| 1 | SPACE1-1 PEOPLE 1 | OCCUPY-1 | SPACE1-1 | 99.16 | 11.0 | 11.0 | 0.111 | 9.015 | 0.300 | 0.700 | AutoCalculate | ACTSCHD | No | 3.8200E-008 | 0 | 11 |
| 2 | SPACE2-1 PEOPLE 1 | OCCUPY-1 | SPACE2-1 | 42.74 | 5.0 | 5.0 | 0.117 | 8.547 | 0.300 | 0.700 | AutoCalculate | ACTSCHD | No | 3.8200E-008 | 0 | 5 |
| 3 | SPACE3-1 PEOPLE 1 | OCCUPY-1 | SPACE3-1 | 96.48 | 11.0 | 11.0 | 0.114 | 8.771 | 0.300 | 0.700 | AutoCalculate | ACTSCHD | No | 3.8200E-008 | 0 | 11 |
| 4 | SPACE4-1 PEOPLE 1 | OCCUPY-1 | SPACE4-1 | 42.74 | 5.0 | 5.0 | 0.117 | 8.547 | 0.300 | 0.700 | AutoCalculate | ACTSCHD | No | 3.8200E-008 | 0 | 5 |
| 5 | SPACE5-1 PEOPLE 1 | OCCUPY-1 | SPACE5-1 | 182.49 | 20.0 | 20.0 | 0.110 | 9.125 | 0.300 | 0.700 | AutoCalculate | ACTSCHD | No | 3.8200E-008 | 0 | 20 |

**Lights Internal Gains Nominal**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Name | Schedule Name | Zone Name | Zone Floor Area {m2} | # Zone Occupants | Lighting Level {W} | Lights/Floor Area {W/m2} | Lights per person {W/person} | Fraction Return Air | Fraction Radiant | Fraction Short Wave | Fraction Convected | Fraction Replaceable | End-Use Category | Nominal Minimum Lighting Level {W} | Nominal Maximum Lighting Level {W} |
| 1 | SPACE1-1 LIGHTS 1 | LIGHTS-1 | SPACE1-1 | 99.16 | 11.0 | 1584.000 | 15.974 | 144.000 | 0.200 | 0.590 | 0.200 | 1.000E-002 | 0.000 | GeneralLights | 79.200 | 1584.000 |
| 2 | SPACE2-1 LIGHTS 1 | LIGHTS-1 | SPACE2-1 | 42.74 | 5.0 | 684.000 | 16.006 | 136.800 | 0.200 | 0.590 | 0.200 | 1.000E-002 | 0.000 | GeneralLights | 34.200 | 684.000 |
| 3 | SPACE3-1 LIGHTS 1 | LIGHTS-1 | SPACE3-1 | 96.48 | 11.0 | 1584.000 | 16.418 | 144.000 | 0.200 | 0.590 | 0.200 | 1.000E-002 | 0.000 | GeneralLights | 79.200 | 1584.000 |
| 4 | SPACE4-1 LIGHTS 1 | LIGHTS-1 | SPACE4-1 | 42.74 | 5.0 | 684.000 | 16.006 | 136.800 | 0.200 | 0.590 | 0.200 | 1.000E-002 | 0.000 | GeneralLights | 34.200 | 684.000 |
| 5 | SPACE5-1 LIGHTS 1 | LIGHTS-1 | SPACE5-1 | 182.49 | 20.0 | 2964.000 | 16.242 | 148.200 | 0.200 | 0.590 | 0.200 | 1.000E-002 | 0.000 | GeneralLights | 148.200 | 2964.000 |

**ElectricEquipment Internal Gains Nominal**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Name | Schedule Name | Zone Name | Zone Floor Area {m2} | # Zone Occupants | Equipment Level {W} | Equipment/Floor Area {W/m2} | Equipment per person {W/person} | Fraction Latent | Fraction Radiant | Fraction Lost | Fraction Convected | End-Use SubCategory | Nominal Minimum Equipment Level {W} | Nominal Maximum Equipment Level {W} |
| 1 | SPACE1-1 ELECEQ 1 | EQUIP-1 | SPACE1-1 | 99.16 | 11.0 | 1056.000 | 10.649 | 96.000 | 0.000 | 0.300 | 0.000 | 0.700 | General | 21.120 | 950.400 |
| 2 | SPACE2-1 ELECEQ 1 | EQUIP-1 | SPACE2-1 | 42.74 | 5.0 | 456.000 | 10.670 | 91.200 | 0.000 | 0.300 | 0.000 | 0.700 | General | 9.120 | 410.400 |
| 3 | SPACE3-1 ELECEQ 1 | EQUIP-1 | SPACE3-1 | 96.48 | 11.0 | 1056.000 | 10.945 | 96.000 | 0.000 | 0.300 | 0.000 | 0.700 | General | 21.120 | 950.400 |
| 4 | SPACE4-1 ELECEQ 1 | EQUIP-1 | SPACE4-1 | 42.74 | 5.0 | 456.000 | 10.670 | 91.200 | 0.000 | 0.300 | 0.000 | 0.700 | General | 9.120 | 410.400 |
| 5 | SPACE5-1 ELECEQ 1 | EQUIP-1 | SPACE5-1 | 182.49 | 20.0 | 1976.000 | 10.828 | 98.800 | 0.000 | 0.300 | 0.000 | 0.700 | General | 39.520 | 1778.400 |

**Shadowing/Sun Position Calculations Annual Simulations**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Calculation Method | Value {days} | Allowable Number Figures in Shadow Overlap {} | Polygon Clipping Algorithm | Sky Diffuse Modeling Algorithm | External Shading Calculation Method | Output External Shading Calculation Results | Disable Self-Shading Within Shading Zone Groups | Disable Self-Shading From Shading Zone Groups to Other Zones |
| 1 | AverageOverDaysInFrequency | 20 | 15000 | SutherlandHodgman | SimpleSkyDiffuseModeling | InternalCalculation | No | No | No |

**ZoneInfiltration Airflow Stats Nominal**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Name | Schedule Name | Zone Name | Zone Floor Area {m2} | # Zone Occupants | Design Volume Flow Rate {m3/s} | Volume Flow Rate/Floor Area {m3/s-m2} | Volume Flow Rate/Exterior Surface Area {m3/s-m2} | ACH - Air Changes per Hour | Equation A - Constant Term Coefficient {} | Equation B - Temperature Term Coefficient {1/C} | Equation C - Velocity Term Coefficient {s/m} | Equation D - Velocity Squared Term Coefficient {s2/m2} |
| 1 | SPACE1-1 INFIL 1 | INFIL-SCH | SPACE1-1 | 99.16 | 11.0 | 3.200E-002 | 3.227E-004 | 4.372E-004 | 0.482 | 0.000 | 0.000 | 0.224 | 0.000 |
| 2 | SPACE2-1 INFIL 1 | INFIL-SCH | SPACE2-1 | 42.74 | 5.0 | 1.400E-002 | 3.276E-004 | 3.838E-004 | 0.488 | 0.000 | 0.000 | 0.224 | 0.000 |
| 3 | SPACE3-1 INFIL 1 | INFIL-SCH | SPACE3-1 | 96.48 | 11.0 | 3.200E-002 | 3.317E-004 | 4.372E-004 | 0.482 | 0.000 | 0.000 | 0.224 | 0.000 |
| 4 | SPACE4-1 INFIL 1 | INFIL-SCH | SPACE4-1 | 42.74 | 5.0 | 1.400E-002 | 3.276E-004 | 3.838E-004 | 0.488 | 0.000 | 0.000 | 0.224 | 0.000 |
| 5 | SPACE5-1 INFIL 1 | INFIL-SCH | SPACE5-1 | 182.49 | 20.0 | 6.200E-002 | 3.397E-004 | N/A | 0.499 | 0.000 | 0.000 | 0.224 | 0.000 |

**AirFlow Model**

|  |  |
| --- | --- |
|  | Simple |
| 1 | Simple |

**RoomAir Model**

|  |  |  |
| --- | --- | --- |
|  | Zone Name | Mixing/Mundt/UCSDDV/UCSDCV/UCSDUFI/UCSDUFE/User Defined |
| 1 | PLENUM-1 | Mixing/Well-Stirred |
| 2 | SPACE1-1 | Mixing/Well-Stirred |
| 3 | SPACE2-1 | Mixing/Well-Stirred |
| 4 | SPACE3-1 | Mixing/Well-Stirred |
| 5 | SPACE4-1 | Mixing/Well-Stirred |
| 6 | SPACE5-1 | Mixing/Well-Stirred |

**AirflowNetwork Model:Control**

|  |  |
| --- | --- |
|  | No Multizone or Distribution/Multizone with Distribution/Multizone without Distribution/Multizone with Distribution only during Fan Operation |
| 1 | NoMultizoneOrDistribution |

**Zone Volume Capacitance Multiplier**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Sensible Heat Capacity Multiplier | Moisture Capacity Multiplier | Carbon Dioxide Capacity Multiplier | Generic Contaminant Capacity Multiplier |
| 1 | 1.000 | 1.000 | 1.000 | 1.000 |

**Load Timesteps in Zone Design Calculation Averaging Window**

|  |  |
| --- | --- |
|  | Value |
| 1 | 4 |

**Heating Sizing Factor Information**

|  |  |  |
| --- | --- | --- |
|  | Sizing Factor ID | Value |
| 1 | Global | 1.3000 |
| 2 | Zone SPACE1-1 | 1.3000 |
| 3 | Zone SPACE2-1 | 1.3000 |
| 4 | Zone SPACE3-1 | 1.3000 |
| 5 | Zone SPACE4-1 | 1.3000 |
| 6 | Zone SPACE5-1 | 1.3000 |

**Cooling Sizing Factor Information**

|  |  |  |
| --- | --- | --- |
|  | Sizing Factor ID | Value |
| 1 | Global | 1.3000 |
| 2 | Zone SPACE1-1 | 1.3000 |
| 3 | Zone SPACE2-1 | 1.3000 |
| 4 | Zone SPACE3-1 | 1.3000 |
| 5 | Zone SPACE4-1 | 1.3000 |
| 6 | Zone SPACE5-1 | 1.3000 |

**Zone Sizing Information**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Zone Name | Load Type | Calc Des Load {W} | User Des Load {W} | Calc Des Air Flow Rate {m3/s} | User Des Air Flow Rate {m3/s} | Design Day Name | Date/Time of Peak | Temperature at Peak {C} | Humidity Ratio at Peak {kgWater/kgDryAir} | Floor Area {m2} | # Occupants | Calc Outdoor Air Flow Rate {m3/s} | Calc DOAS Heat Addition Rate {W} |
| 1 | SPACE1-1 | Cooling | 2340.53436 | 3042.69467 | 0.20400 | 0.26520 | CHICAGO\_IL\_USA ANNUAL COOLING 1% DESIGN CONDITIONS DB/MCWB | 7/21 15:00:00 | 31.50000 | 1.45947E-002 | 99.16000 | 11.00000 | 0.10384 | 0.00000 |
| 2 | SPACE1-1 | Heating | 3860.76475 | 5018.99417 | 0.12090 | 0.15717 | CHICAGO\_IL\_USA ANNUAL HEATING 99% DESIGN CONDITIONS DB | 1/21 24:00:00 | -17.30000 | 8.38927E-004 | 99.16000 | 11.00000 | 0.10384 | 0.00000 |
| 3 | SPACE2-1 | Cooling | 1332.78565 | 1732.62134 | 0.11617 | 0.15102 | CHICAGO\_IL\_USA ANNUAL COOLING 1% DESIGN CONDITIONS DB/MCWB | 7/21 10:00:00 | 27.43400 | 1.45947E-002 | 42.73500 | 5.00000 | 4.72000E-002 | 0.00000 |
| 4 | SPACE2-1 | Heating | 1625.14886 | 2112.69352 | 5.08904E-002 | 6.61575E-002 | CHICAGO\_IL\_USA ANNUAL HEATING 99% DESIGN CONDITIONS DB | 1/21 24:00:00 | -17.30000 | 8.38927E-004 | 42.73500 | 5.00000 | 4.72000E-002 | 0.00000 |
| 5 | SPACE3-1 | Cooling | 4609.97106 | 5992.96238 | 0.40178 | 0.52232 | CHICAGO\_IL\_USA ANNUAL COOLING 1% DESIGN CONDITIONS DB/MCWB | 7/21 10:45:00 | 28.63775 | 1.45947E-002 | 96.48000 | 11.00000 | 0.10384 | 0.00000 |
| 6 | SPACE3-1 | Heating | 3753.06885 | 4878.98951 | 0.11752 | 0.15278 | CHICAGO\_IL\_USA ANNUAL HEATING 99% DESIGN CONDITIONS DB | 1/21 24:00:00 | -17.30000 | 8.38927E-004 | 96.48000 | 11.00000 | 0.10384 | 0.00000 |
| 7 | SPACE4-1 | Cooling | 2751.72433 | 3577.24162 | 0.23984 | 0.31179 | CHICAGO\_IL\_USA ANNUAL COOLING 1% DESIGN CONDITIONS DB/MCWB | 7/21 16:45:00 | 30.21600 | 1.45947E-002 | 42.73500 | 5.00000 | 4.72000E-002 | 0.00000 |
| 8 | SPACE4-1 | Heating | 1625.14886 | 2112.69352 | 5.08904E-002 | 6.61575E-002 | CHICAGO\_IL\_USA ANNUAL HEATING 99% DESIGN CONDITIONS DB | 1/21 24:00:00 | -17.30000 | 8.38927E-004 | 42.73500 | 5.00000 | 4.72000E-002 | 0.00000 |
| 9 | SPACE5-1 | Cooling | 2604.98560 | 3386.48128 | 0.22706 | 0.29518 | CHICAGO\_IL\_USA ANNUAL COOLING 1% DESIGN CONDITIONS DB/MCWB | 7/21 15:00:00 | 31.50000 | 1.45947E-002 | 182.49000 | 20.00000 | 0.18880 | 0.00000 |
| 10 | SPACE5-1 | Heating | 2981.56778 | 3876.03811 | 9.33652E-002 | 0.18880 | CHICAGO\_IL\_USA ANNUAL HEATING 99% DESIGN CONDITIONS DB | 1/21 24:00:00 | -17.30000 | 8.38927E-004 | 182.49000 | 20.00000 | 0.18880 | 0.00000 |

**System Sizing Information**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | System Name | Load Type | Peak Load Kind | User Design Capacity | Calc Des Air Flow Rate [m3/s] | User Des Air Flow Rate [m3/s] | Design Day Name | Date/Time of Peak |
| 1 | VAV SYS 1 | Cooling | Sensible | 24200.66 | 1.54550 | 1.54550 | CHICAGO\_IL\_USA ANNUAL COOLING 1% DESIGN CONDITIONS DB/MCWB | 7/21 00:00:00 |
| 2 | VAV SYS 1 | Heating | Sensible | 18125.61 | 0.63106 | 0.63106 | CHICAGO\_IL\_USA ANNUAL HEATING 99% DESIGN CONDITIONS DB | 1/21 01:00:00 |

**Component Sizing Information**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Component Type | Component Name | Input Field Description | Value |
| 1 | AirTerminal:SingleDuct:VAV:Reheat | SPACE1-1 VAV REHEAT | Design Size Maximum Air Flow Rate [m3/s] | 0.26520 |
| 2 | AirTerminal:SingleDuct:VAV:Reheat | SPACE1-1 VAV REHEAT | Design Size Constant Minimum Air Flow Fraction | 0.28492 |
| 3 | AirTerminal:SingleDuct:VAV:Reheat | SPACE1-1 VAV REHEAT | User-Specified Constant Minimum Air Flow Fraction | 0.40000 |
| 4 | AirTerminal:SingleDuct:VAV:Reheat | SPACE1-1 VAV REHEAT | Design Size Minimum Air Flow Rate [m3/s] | 0.10608 |
| 5 | AirTerminal:SingleDuct:VAV:Reheat | SPACE1-1 VAV REHEAT | Design Size Maximum Flow Fraction during Reheat [] | 0.75979 |
| 6 | AirTerminal:SingleDuct:VAV:Reheat | SPACE1-1 VAV REHEAT | Design Size Maximum Flow per Zone Floor Area during Reheat [m3/s-m2] | 0.00203 |
| 7 | AirTerminal:SingleDuct:VAV:Reheat | SPACE1-1 VAV REHEAT | Design Size Maximum Reheat Water Flow Rate [m3/s] | 0.00013 |
| 8 | AirTerminal:SingleDuct:VAV:Reheat | SPACE1-1 VAV REHEAT | Design Size Reheat Coil Sizing Air Volume Flow Rate [m3/s] | 0.15717 |
| 9 | AirTerminal:SingleDuct:VAV:Reheat | SPACE1-1 VAV REHEAT | Design Size Reheat Coil Sizing Inlet Air Temperature [C] | 16.70000 |
| 10 | AirTerminal:SingleDuct:VAV:Reheat | SPACE1-1 VAV REHEAT | Design Size Reheat Coil Sizing Inlet Air Humidity Ratio [kgWater/kgDryAir] | 0.00800 |
| 11 | Coil:Heating:Water | SPACE1-1 ZONE COIL | Design Size Rated Capacity [W] | 6011.32729 |
| 12 | Coil:Heating:Water | SPACE1-1 ZONE COIL | Design Size Maximum Water Flow Rate [m3/s] | 0.00013 |
| 13 | Coil:Heating:Water | SPACE1-1 ZONE COIL | Design Size U-Factor Times Area Value [W/K] | 147.21716 |
| 14 | AirTerminal:SingleDuct:VAV:Reheat | SPACE2-1 VAV REHEAT | Design Size Maximum Air Flow Rate [m3/s] | 0.15102 |
| 15 | AirTerminal:SingleDuct:VAV:Reheat | SPACE2-1 VAV REHEAT | Design Size Constant Minimum Air Flow Fraction | 0.21563 |
| 16 | AirTerminal:SingleDuct:VAV:Reheat | SPACE2-1 VAV REHEAT | User-Specified Constant Minimum Air Flow Fraction | 0.40000 |
| 17 | AirTerminal:SingleDuct:VAV:Reheat | SPACE2-1 VAV REHEAT | Design Size Minimum Air Flow Rate [m3/s] | 0.06041 |
| 18 | AirTerminal:SingleDuct:VAV:Reheat | SPACE2-1 VAV REHEAT | Design Size Maximum Flow Fraction during Reheat [] | 0.93747 |
| 19 | AirTerminal:SingleDuct:VAV:Reheat | SPACE2-1 VAV REHEAT | Design Size Maximum Flow per Zone Floor Area during Reheat [m3/s-m2] | 0.00331 |
| 20 | AirTerminal:SingleDuct:VAV:Reheat | SPACE2-1 VAV REHEAT | Design Size Maximum Reheat Water Flow Rate [m3/s] | 0.00006 |
| 21 | AirTerminal:SingleDuct:VAV:Reheat | SPACE2-1 VAV REHEAT | Design Size Reheat Coil Sizing Air Volume Flow Rate [m3/s] | 0.06616 |
| 22 | AirTerminal:SingleDuct:VAV:Reheat | SPACE2-1 VAV REHEAT | Design Size Reheat Coil Sizing Inlet Air Temperature [C] | 16.70000 |
| 23 | AirTerminal:SingleDuct:VAV:Reheat | SPACE2-1 VAV REHEAT | Design Size Reheat Coil Sizing Inlet Air Humidity Ratio [kgWater/kgDryAir] | 0.00800 |
| 24 | Coil:Heating:Water | SPACE2-1 ZONE COIL | Design Size Rated Capacity [W] | 2530.40426 |
| 25 | Coil:Heating:Water | SPACE2-1 ZONE COIL | Design Size Maximum Water Flow Rate [m3/s] | 0.00006 |
| 26 | Coil:Heating:Water | SPACE2-1 ZONE COIL | Design Size U-Factor Times Area Value [W/K] | 61.96942 |
| 27 | AirTerminal:SingleDuct:VAV:Reheat | SPACE3-1 VAV REHEAT | Design Size Maximum Air Flow Rate [m3/s] | 0.52232 |
| 28 | AirTerminal:SingleDuct:VAV:Reheat | SPACE3-1 VAV REHEAT | Design Size Constant Minimum Air Flow Fraction | 0.20000 |
| 29 | AirTerminal:SingleDuct:VAV:Reheat | SPACE3-1 VAV REHEAT | User-Specified Constant Minimum Air Flow Fraction | 0.40000 |
| 30 | AirTerminal:SingleDuct:VAV:Reheat | SPACE3-1 VAV REHEAT | Design Size Minimum Air Flow Rate [m3/s] | 0.20893 |
| 31 | AirTerminal:SingleDuct:VAV:Reheat | SPACE3-1 VAV REHEAT | Design Size Maximum Flow Fraction during Reheat [] | 0.40000 |
| 32 | AirTerminal:SingleDuct:VAV:Reheat | SPACE3-1 VAV REHEAT | Design Size Maximum Flow per Zone Floor Area during Reheat [m3/s-m2] | 0.00217 |
| 33 | AirTerminal:SingleDuct:VAV:Reheat | SPACE3-1 VAV REHEAT | Design Size Maximum Reheat Water Flow Rate [m3/s] | 0.00014 |
| 34 | AirTerminal:SingleDuct:VAV:Reheat | SPACE3-1 VAV REHEAT | Design Size Reheat Coil Sizing Air Volume Flow Rate [m3/s] | 0.20893 |
| 35 | AirTerminal:SingleDuct:VAV:Reheat | SPACE3-1 VAV REHEAT | Design Size Reheat Coil Sizing Inlet Air Temperature [C] | 16.70000 |
| 36 | AirTerminal:SingleDuct:VAV:Reheat | SPACE3-1 VAV REHEAT | Design Size Reheat Coil Sizing Inlet Air Humidity Ratio [kgWater/kgDryAir] | 0.00800 |
| 37 | Coil:Heating:Water | SPACE3-1 ZONE COIL | Design Size Rated Capacity [W] | 6198.12303 |
| 38 | Coil:Heating:Water | SPACE3-1 ZONE COIL | Design Size Maximum Water Flow Rate [m3/s] | 0.00014 |
| 39 | Coil:Heating:Water | SPACE3-1 ZONE COIL | Design Size U-Factor Times Area Value [W/K] | 137.94576 |
| 40 | AirTerminal:SingleDuct:VAV:Reheat | SPACE4-1 VAV REHEAT | Design Size Maximum Air Flow Rate [m3/s] | 0.31179 |
| 41 | AirTerminal:SingleDuct:VAV:Reheat | SPACE4-1 VAV REHEAT | Design Size Constant Minimum Air Flow Fraction | 0.20000 |
| 42 | AirTerminal:SingleDuct:VAV:Reheat | SPACE4-1 VAV REHEAT | User-Specified Constant Minimum Air Flow Fraction | 0.40000 |
| 43 | AirTerminal:SingleDuct:VAV:Reheat | SPACE4-1 VAV REHEAT | Design Size Minimum Air Flow Rate [m3/s] | 0.12471 |
| 44 | AirTerminal:SingleDuct:VAV:Reheat | SPACE4-1 VAV REHEAT | Design Size Maximum Flow Fraction during Reheat [] | 0.45408 |
| 45 | AirTerminal:SingleDuct:VAV:Reheat | SPACE4-1 VAV REHEAT | Design Size Maximum Flow per Zone Floor Area during Reheat [m3/s-m2] | 0.00331 |
| 46 | AirTerminal:SingleDuct:VAV:Reheat | SPACE4-1 VAV REHEAT | Design Size Maximum Reheat Water Flow Rate [m3/s] | 0.00006 |
| 47 | AirTerminal:SingleDuct:VAV:Reheat | SPACE4-1 VAV REHEAT | Design Size Reheat Coil Sizing Air Volume Flow Rate [m3/s] | 0.12471 |
| 48 | AirTerminal:SingleDuct:VAV:Reheat | SPACE4-1 VAV REHEAT | Design Size Reheat Coil Sizing Inlet Air Temperature [C] | 16.70000 |
| 49 | AirTerminal:SingleDuct:VAV:Reheat | SPACE4-1 VAV REHEAT | Design Size Reheat Coil Sizing Inlet Air Humidity Ratio [kgWater/kgDryAir] | 0.00800 |
| 50 | Coil:Heating:Water | SPACE4-1 ZONE COIL | Design Size Rated Capacity [W] | 2900.12536 |
| 51 | Coil:Heating:Water | SPACE4-1 ZONE COIL | Design Size Maximum Water Flow Rate [m3/s] | 0.00006 |
| 52 | Coil:Heating:Water | SPACE4-1 ZONE COIL | Design Size U-Factor Times Area Value [W/K] | 60.79707 |
| 53 | AirTerminal:SingleDuct:VAV:Reheat | SPACE5-1 VAV REHEAT | Design Size Maximum Air Flow Rate [m3/s] | 0.29518 |
| 54 | AirTerminal:SingleDuct:VAV:Reheat | SPACE5-1 VAV REHEAT | Design Size Constant Minimum Air Flow Fraction | 0.47110 |
| 55 | AirTerminal:SingleDuct:VAV:Reheat | SPACE5-1 VAV REHEAT | User-Specified Constant Minimum Air Flow Fraction | 0.40000 |
| 56 | AirTerminal:SingleDuct:VAV:Reheat | SPACE5-1 VAV REHEAT | Design Size Minimum Air Flow Rate [m3/s] | 0.11807 |
| 57 | AirTerminal:SingleDuct:VAV:Reheat | SPACE5-1 VAV REHEAT | Design Size Maximum Flow Fraction during Reheat [] | 1.00000 |
| 58 | AirTerminal:SingleDuct:VAV:Reheat | SPACE5-1 VAV REHEAT | Design Size Maximum Flow per Zone Floor Area during Reheat [m3/s-m2] | 0.00162 |
| 59 | AirTerminal:SingleDuct:VAV:Reheat | SPACE5-1 VAV REHEAT | Design Size Maximum Reheat Water Flow Rate [m3/s] | 0.00010 |
| 60 | AirTerminal:SingleDuct:VAV:Reheat | SPACE5-1 VAV REHEAT | Design Size Reheat Coil Sizing Air Volume Flow Rate [m3/s] | 0.12137 |
| 61 | AirTerminal:SingleDuct:VAV:Reheat | SPACE5-1 VAV REHEAT | Design Size Reheat Coil Sizing Inlet Air Temperature [C] | 16.70000 |
| 62 | AirTerminal:SingleDuct:VAV:Reheat | SPACE5-1 VAV REHEAT | Design Size Reheat Coil Sizing Inlet Air Humidity Ratio [kgWater/kgDryAir] | 0.00800 |
| 63 | Coil:Heating:Water | SPACE5-1 ZONE COIL | Design Size Rated Capacity [W] | 4641.97211 |
| 64 | Coil:Heating:Water | SPACE5-1 ZONE COIL | Design Size Maximum Water Flow Rate [m3/s] | 0.00010 |
| 65 | Coil:Heating:Water | SPACE5-1 ZONE COIL | Design Size U-Factor Times Area Value [W/K] | 113.67705 |
| 66 | AirLoopHVAC | VAV SYS 1 | Sum of Air Terminal Maximum Heating Flow Rates [m3/s] | 0.98875 |
| 67 | AirLoopHVAC | VAV SYS 1 | Sum of Air Terminal Minimum Heating Flow Rates [m3/s] | 0.61820 |
| 68 | AirLoopHVAC | VAV SYS 1 | Sum of Air Terminal Maximum Flow Rates [m3/s] | 1.54550 |
| 69 | AirLoopHVAC | VAV SYS 1 | Adjusted Heating Design Air Flow Rate [m3/s] | 0.98875 |
| 70 | AirLoopHVAC | VAV SYS 1 | Adjusted Cooling Design Air Flow Rate [m3/s] | 1.54550 |
| 71 | AirLoopHVAC | VAV SYS 1 | Adjusted Main Design Air Flow Rate [m3/s] | 1.54550 |
| 72 | AirLoopHVAC | VAV SYS 1 | User Heating Air Flow Ratio [] | 0.30000 |
| 73 | AirLoopHVAC | VAV SYS 1 | Calculated Heating Air Flow Ratio [] | 0.63976 |
| 74 | AirLoopHVAC | VAV SYS 1 | Design Supply Air Flow Rate [m3/s] | 1.54550 |
| 75 | Controller:OutdoorAir | OA CONTROLLER 1 | Maximum Outdoor Air Flow Rate [m3/s] | 1.54550 |
| 76 | Controller:OutdoorAir | OA CONTROLLER 1 | Minimum Outdoor Air Flow Rate [m3/s] | 0.49088 |
| 77 | Coil:Cooling:Water | MAIN COOLING COIL 1 | Design Size Design Inlet Air Temperature [C] | 26.53269 |
| 78 | Coil:Cooling:Water | MAIN COOLING COIL 1 | Design Size Design Inlet Water Temperature [C] | 7.22000 |
| 79 | Coil:Cooling:Water | MAIN COOLING COIL 1 | Design Size Design Outlet Air Temperature [C] | 12.06361 |
| 80 | Coil:Cooling:Water | MAIN COOLING COIL 1 | Design Size Design Inlet Air Humidity Ratio | 0.01126 |
| 81 | Coil:Cooling:Water | MAIN COOLING COIL 1 | Design Size Design Outlet Air Humidity Ratio | 0.00800 |
| 82 | Coil:Cooling:Water | MAIN COOLING COIL 1 | Design Size Design Coil Load [W] | 40439.25741 |
| 83 | Coil:Cooling:Water | MAIN COOLING COIL 1 | Design Size Design Water Flow Rate [m3/s] | 0.00144 |
| 84 | Coil:Cooling:Water | MAIN COOLING COIL 1 | Design Size Design Air Flow Rate [m3/s] | 1.54550 |
| 85 | Coil:Heating:Water | MAIN HEATING COIL 1 | Design Size Rated Capacity [W] | 17975.11765 |
| 86 | Coil:Heating:Water | MAIN HEATING COIL 1 | Design Size Maximum Water Flow Rate [m3/s] | 0.00040 |
| 87 | Coil:Heating:Water | MAIN HEATING COIL 1 | Design Size U-Factor Times Area Value [W/K] | 241.47290 |
| 88 | Fan:VariableVolume | SUPPLY FAN 1 | Design Size Maximum Flow Rate [m3/s] | 1.54550 |
| 89 | Controller:WaterCoil | CENTRAL COOLING COIL CONTOLLER 1 | Maximum Actuated Flow [m3/s] | 0.00144 |
| 90 | Controller:WaterCoil | CENTRAL HEATING COIL CONTOLLER 1 | Maximum Actuated Flow [m3/s] | 0.00040 |
| 91 | PlantLoop | HOT WATER LOOP | Maximum Loop Flow Rate [m3/s] | 0.00089 |
| 92 | PlantLoop | HOT WATER LOOP | Plant Loop Volume [m3] | 0.10673 |
| 93 | Pump:VariableSpeed | HW CIRC PUMP | Design Flow Rate [m3/s] | 0.00089 |
| 94 | Pump:VariableSpeed | HW CIRC PUMP | Design Power Consumption [W] | 227.23815 |
| 95 | Boiler:HotWater | CENTRAL BOILER | Design Size Nominal Capacity [W] | 40257.06970 |
| 96 | Boiler:HotWater | CENTRAL BOILER | Design Size Design Water Flow Rate [m3/s] | 0.00089 |
| 97 | PlantLoop | CHILLED WATER LOOP | Maximum Loop Flow Rate [m3/s] | 0.00144 |
| 98 | PlantLoop | CHILLED WATER LOOP | Plant Loop Volume [m3] | 0.17333 |
| 99 | Pump:VariableSpeed | CW CIRC PUMP | Design Flow Rate [m3/s] | 0.00144 |
| 100 | Pump:VariableSpeed | CW CIRC PUMP | Design Power Consumption [W] | 369.02480 |
| 101 | Chiller:Electric | CENTRAL CHILLER | Design Size Nominal Capacity [W] | 40439.25741 |
| 102 | Chiller:Electric | CENTRAL CHILLER | Design Size Design Chilled Water Flow Rate [m3/s] | 0.00144 |
| 103 | Chiller:Electric | CENTRAL CHILLER | User-Specified Design Condenser Water Flow Rate [m3/s] | 0.00110 |

**Water Heating Coil Capacity Information**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Component Type | Name | Nominal Total Capacity {W} |
| 1 | Coil:Heating:Water | SPACE1-1 ZONE COIL | 6042.82 |
| 2 | Coil:Heating:Water | SPACE2-1 ZONE COIL | 2543.66 |
| 3 | Coil:Heating:Water | SPACE3-1 ZONE COIL | 6233.45 |
| 4 | Coil:Heating:Water | SPACE4-1 ZONE COIL | 2917.49 |
| 5 | Coil:Heating:Water | SPACE5-1 ZONE COIL | 4666.29 |
| 6 | Coil:Heating:Water | MAIN HEATING COIL 1 | 11910.04 |

**Water Cooling Coil Capacity Information**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Component Type | Name | Nominal Total Capacity {W} | Nominal Sensible Capacity {W} | Nominal Latent Capacity {W} | Nominal Sensible Heat Ratio | Nominal Coil UA Value {W/C} | Nominal Coil Surface Area {m2} |
| 1 | Coil:Cooling:Water | MAIN COOLING COIL 1 | 46001.07 | 28722.66 | 17278.41 | 0.62 | 6467.30 | 65.59 |

**Environment**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Environment Name | Environment Type | Start Date | End Date | Start DayOfWeek | Duration {#days} | Source:Start DayOfWeek | Use Daylight Saving | Use Holidays | Apply Weekend Holiday Rule | Use Rain Values | Use Snow Values |
| 1 | RUNPERIOD 1 | WeatherFileRunPeriod | 01/01/2013 | 12/31/2013 | Tuesday | 365 | Use RunPeriod Specified Day | Yes | Yes | No | Yes | Yes |

**Environment:Daylight Saving**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Daylight Saving Indicator | Source | Start Date | End Date |
| 1 | No |  |  |  |

**Environment:WarmupDays**

|  |  |
| --- | --- |
|  | NumberofWarmupDays |
| 1 | 6 |

**Tabular Report**

|  |  |  |
| --- | --- | --- |
|  | Style | Unit Conversion |
| 1 | HTML | JTOKWH |

**Warmup Convergence Information**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Zone Name | Environment Type/Name | Average Warmup Temperature Difference {deltaC} | Std Dev Warmup Temperature Difference {deltaC} | Max Temperature Pass/Fail Convergence | Min Temperature Pass/Fail Convergence | Average Warmup Load Difference {W} | Std Dev Warmup Load Difference {W} | Heating Load Pass/Fail Convergence | Cooling Load Pass/Fail Convergence |
| 1 | PLENUM-1 | RunPeriod: RUNPERIOD 1 | 0.1026500884 | 8.4974482944E-002 | Pass | Pass | 0.1695512770 | 0.4820628912 | Pass | Pass |
| 2 | SPACE1-1 | RunPeriod: RUNPERIOD 1 | 6.3180999433E-002 | 0.1339279307 | Pass | Pass | 0.2059210772 | 0.8966172621 | Pass | Pass |
| 3 | SPACE2-1 | RunPeriod: RUNPERIOD 1 | 6.3321313330E-002 | 0.1391757494 | Pass | Pass | 0.2120168816 | 0.8894661820 | Pass | Pass |
| 4 | SPACE3-1 | RunPeriod: RUNPERIOD 1 | 6.2732990381E-002 | 0.1224947758 | Pass | Pass | 0.1998144705 | 0.7719520461 | Pass | Pass |
| 5 | SPACE4-1 | RunPeriod: RUNPERIOD 1 | 5.7160455207E-002 | 0.1084543788 | Pass | Pass | 0.1965442178 | 0.7754375068 | Pass | Pass |
| 6 | SPACE5-1 | RunPeriod: RUNPERIOD 1 | 6.3943581089E-002 | 0.1566892840 | Pass | Pass | 0.1682951812 | 0.5620296325 | Pass | Pass |

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Report: **Annual Heat Emissions Summary**

For: **Entire Facility**

Timestamp: **2019-06-19 07:53:09**

**Heat Emission by Components**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Envelope Convection | Zone Exfiltration | Zone Exhaust Air | HVAC Relief Air | HVAC Reject Heat | Total |
| Heat Emissions [GJ] | 2309.62 | -0.7 | 0.00 | -27.6 | 236.47 | 2517.77 |

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Report: **Climatic Data Summary**

For: **Entire Facility**

Timestamp: **2019-06-19 07:53:09**

**SizingPeriod:DesignDay**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Maximum Dry Bulb [C] | Daily Temperature Range [deltaC] | Humidity Value | Humidity Type | Wind Speed [m/s] | Wind Direction |
| CHICAGO\_IL\_USA ANNUAL HEATING 99% DESIGN CONDITIONS DB | -17.30 | 0.00 | -17.30 | Wetbulb [C] | 4.90 | 270.00 |
| CHICAGO\_IL\_USA ANNUAL COOLING 1% DESIGN CONDITIONS DB/MCWB | 31.50 | 10.70 | 23.00 | Wetbulb [C] | 5.30 | 230.00 |

**Weather Statistics File**

|  |  |
| --- | --- |
|  | Value |
| None |  |

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Report: **Envelope Summary**

For: **Entire Facility**

Timestamp: **2019-06-19 07:53:09**

**Opaque Exterior**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Construction | Reflectance | U-Factor with Film [W/m2-K] | U-Factor no Film [W/m2-K] | Gross Area [m2] | Net Area [m2] | Azimuth [deg] | Tilt [deg] | Cardinal Direction |
| WALL-1PF | WALL-1 | 0.22 | 0.384 | 0.408 | 18.30 | 18.30 | 210.00 | 90.00 | S |
| WALL-1PR | WALL-1 | 0.22 | 0.384 | 0.408 | 9.12 | 9.12 | 120.00 | 90.00 | E |
| WALL-1PB | WALL-1 | 0.22 | 0.384 | 0.408 | 18.30 | 18.30 | 30.00 | 90.00 | N |
| WALL-1PL | WALL-1 | 0.22 | 0.384 | 0.408 | 9.12 | 9.12 | 300.00 | 90.00 | W |
| TOP-1 | ROOF-1 | 0.35 | 0.271 | 0.282 | 463.60 | 463.60 | 210.00 | 0.00 |  |
| FRONT-1 | WALL-1 | 0.22 | 0.384 | 0.408 | 73.20 | 51.39 | 210.00 | 90.00 | S |
| F1-1 | FLOOR-SLAB-1 | 0.35 | 4.174 | 12.894 | 99.16 | 99.16 | 30.00 | 180.00 |  |
| RIGHT-1 | WALL-1 | 0.22 | 0.384 | 0.408 | 36.48 | 27.36 | 120.00 | 90.00 | E |
| F2-1 | FLOOR-SLAB-1 | 0.35 | 4.174 | 12.894 | 42.73 | 42.73 | 300.00 | 180.00 |  |
| BACK-1 | WALL-1 | 0.22 | 0.384 | 0.408 | 73.20 | 52.35 | 30.00 | 90.00 | N |
| F3-1 | FLOOR-SLAB-1 | 0.35 | 4.174 | 12.894 | 96.48 | 96.48 | 74.22 | 180.00 |  |
| LEFT-1 | WALL-1 | 0.22 | 0.384 | 0.408 | 36.48 | 27.36 | 300.00 | 90.00 | W |
| F4-1 | FLOOR-SLAB-1 | 0.35 | 4.174 | 12.894 | 42.73 | 42.73 | 120.00 | 180.00 |  |
| F5-1 | FLOOR-SLAB-1 | 0.35 | 4.174 | 12.894 | 182.49 | 182.49 | 30.00 | 180.00 |  |

**Exterior Fenestration**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Construction | Glass Area [m2] | Frame Area [m2] | Divider Area [m2] | Area of One Opening [m2] | Area of Multiplied Openings [m2] | Glass U-Factor [W/m2-K] | Glass SHGC | Glass Visible Transmittance | Frame Conductance [W/m2-K] | Divider Conductance [W/m2-K] | Shade Control | Parent Surface | Azimuth [deg] | Tilt [deg] | Cardinal Direction |
| WF-1 | DBL CLR 3MM/13MM AIR | 16.56 | 0.00 | 0.00 | 16.56 | 16.56 | 2.720 | 0.764 | 0.812 |  |  | No | FRONT-1 | 210.00 | 90.00 | S |
| DF-1 | SGL GREY 3MM | 5.25 | 0.00 | 0.00 | 5.25 | 5.25 | 5.894 | 0.716 | 0.611 |  |  | No | FRONT-1 | 210.00 | 90.00 | S |
| WR-1 | DBL CLR 3MM/13MM AIR | 9.12 | 0.00 | 0.00 | 9.12 | 9.12 | 2.720 | 0.764 | 0.812 |  |  | No | RIGHT-1 | 120.00 | 90.00 | E |
| WB-1 | DBL CLR 3MM/13MM AIR | 16.44 | 0.00 | 0.00 | 16.44 | 16.44 | 2.720 | 0.764 | 0.812 |  |  | No | BACK-1 | 30.00 | 90.00 | N |
| DB-1 | SGL GREY 3MM | 4.41 | 0.00 | 0.00 | 4.41 | 4.41 | 5.894 | 0.716 | 0.611 |  |  | No | BACK-1 | 30.00 | 90.00 | N |
| WL-1 | DBL CLR 3MM/13MM AIR | 9.12 | 0.00 | 0.00 | 9.12 | 9.12 | 2.720 | 0.764 | 0.812 |  |  | No | LEFT-1 | 300.00 | 90.00 | W |
| Total or Average |  |  |  |  |  | 60.90 | 3.223 | 0.756 | 0.780 |  |  |  |  |  |  |  |
| North Total or Average |  |  |  |  |  | 20.85 | 3.391 | 0.754 | 0.769 |  |  |  |  |  |  |  |
| Non-North Total or Average |  |  |  |  |  | 40.05 | 3.136 | 0.757 | 0.785 |  |  |  |  |  |  |  |

**Interior Fenestration**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Construction | Area of One Opening [m2] | Area of Openings [m2] | Glass U-Factor [W/m2-K] | Glass SHGC | Glass Visible Transmittance | Parent Surface |
| Total or Average |  |  | 0.00 | - | - | - |  |

**Exterior Door**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Construction | U-Factor with Film [W/m2-K] | U-Factor no Film [W/m2-K] | Gross Area [m2] | Parent Surface |
| None |  |  |  |  |  |

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Report: **Shading Summary**

For: **Entire Facility**

Timestamp: **2019-06-19 07:53:09**

**Sunlit Fraction**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | March 21 9am | March 21 noon | March 21 3pm | June 21 9am | June 21 noon | June 21 3pm | December 21 9am | December 21 noon | December 21 3pm |
| WF-1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| DF-1 | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.36 |
| WR-1 | 1.00 | 1.00 | 0.00 | 1.00 | 0.00 | 0.00 | 1.00 | 1.00 | 0.00 |
| WB-1 | 1.00 | 1.00 | 0.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.00 | 0.00 |
| DB-1 | 1.00 | 1.00 | 0.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.00 | 0.00 |
| WL-1 | 0.00 | 0.00 | 1.00 | 0.00 | 1.00 | 1.00 | 0.00 | 0.00 | 1.00 |

**Window Control**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Name | Type | Shaded Construction | Control | Glare Control |
| None |  |  |  |  |  |

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Report: **Lighting Summary**

For: **Entire Facility**

Timestamp: **2019-06-19 07:53:09**

**Interior Lighting**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Zone | Lighting Power Density [W/m2] | Zone Area [m2] | Total Power [W] | End Use Subcategory | Schedule Name | Scheduled Hours/Week [hr] | Hours/Week > 1% [hr] | Full Load Hours/Week [hr] | Return Air Fraction | Conditioned (Y/N) | Consumption [kWh] |
| SPACE1-1 LIGHTS 1 | SPACE1-1 | 15.9742 | 99.16 | 1584.00 | GeneralLights | LIGHTS-1 | 57.70 | 168.00 | 57.70 | 0.2000 | Y | 4766.00 |
| SPACE2-1 LIGHTS 1 | SPACE2-1 | 16.0056 | 42.73 | 684.00 | GeneralLights | LIGHTS-1 | 57.70 | 168.00 | 57.70 | 0.2000 | Y | 2058.05 |
| SPACE3-1 LIGHTS 1 | SPACE3-1 | 16.4179 | 96.48 | 1584.00 | GeneralLights | LIGHTS-1 | 57.70 | 168.00 | 57.70 | 0.2000 | Y | 4766.00 |
| SPACE4-1 LIGHTS 1 | SPACE4-1 | 16.0056 | 42.73 | 684.00 | GeneralLights | LIGHTS-1 | 57.70 | 168.00 | 57.70 | 0.2000 | Y | 2058.05 |
| SPACE5-1 LIGHTS 1 | SPACE5-1 | 16.2420 | 182.49 | 2964.00 | GeneralLights | LIGHTS-1 | 57.70 | 168.00 | 57.70 | 0.2000 | Y | 8918.20 |
| Interior Lighting Total |  | 16.1777 | 463.60 | 7500.00 |  |  |  |  |  |  |  | 22566.30 |

**Daylighting**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Zone | Control Name | Daylighting Method | Control Type | Fraction Controlled | Lighting Installed in Zone [W] | Lighting Controlled [W] |
| None |  |  |  |  |  |  |  |

**Exterior Lighting**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Total Watts | Astronomical Clock/Schedule | Schedule Name | Scheduled Hours/Week [hr] | Hours/Week > 1% [hr] | Full Load Hours/Week [hr] | Consumption [kWh] |
| Exterior Lighting Total | 0.00 |  |  |  |  |  | 0.00 |

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Report: **Equipment Summary**

For: **Entire Facility**

Timestamp: **2019-06-19 07:53:09**

**Central Plant**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Type | Nominal Capacity [W] | Nominal Efficiency [W/W] | IPLV in SI Units [W/W] | IPLV in IP Units [Btu/W-h] |
| CENTRAL BOILER | Boiler:HotWater | 40257.07 | 0.80 |  |  |
| CENTRAL CHILLER | Chiller:Electric | 40439.26 | 3.20 |  |  |

**Cooling Coils**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Type | Design Coil Load [W] | Nominal Total Capacity [W] | Nominal Sensible Capacity [W] | Nominal Latent Capacity [W] | Nominal Sensible Heat Ratio | Nominal Efficiency [W/W] | Nominal Coil UA Value [W/C] | Nominal Coil Surface Area [m2] |
| MAIN COOLING COIL 1 | Coil:Cooling:Water | 40439.26 | 46001.07 | 28722.66 | 17278.41 | 0.62 | - | 6467.30 | 65.59 |

*Nominal values are gross at rated conditions, i.e., the supply air fan heat and electric power NOT accounted for.*   
  
**DX Cooling Coils**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | DX Cooling Coil Type | Standard Rated Net Cooling Capacity [W] | Standard Rated Net COP [W/W] | EER [Btu/W-h] | SEER [Btu/W-h] | IEER [Btu/W-h] |
| None |  |  |  |  |  |  |

**DX Cooling Coil ASHRAE 127 Standard Ratings Report**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | DX Cooling Coil Type | Rated Net Cooling Capacity Test A [W] | Rated Electric Power Test A [W] | Rated Net Cooling Capacity Test B [W] | Rated Electric Power Test B [W] | Rated Net Cooling Capacity Test C [W] | Rated Electric Power Test C [W] | Rated Net Cooling Capacity Test D [W] | Rated Electric Power Test D [W] |
| None |  |  |  |  |  |  |  |  |  |

**DX Heating Coils**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | DX Heating Coil Type | High Temperature Heating (net) Rating Capacity [W] | Low Temperature Heating (net) Rating Capacity [W] | HSPF [Btu/W-h] | Region Number |
| None |  |  |  |  |  |

**Heating Coils**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Type | Design Coil Load [W] | Nominal Total Capacity [W] | Nominal Efficiency [W/W] |
| SPACE1-1 ZONE COIL | Coil:Heating:Water | 6011.33 | 6042.82 | - |
| SPACE2-1 ZONE COIL | Coil:Heating:Water | 2530.40 | 2543.66 | - |
| SPACE3-1 ZONE COIL | Coil:Heating:Water | 6198.12 | 6233.45 | - |
| SPACE4-1 ZONE COIL | Coil:Heating:Water | 2900.13 | 2917.49 | - |
| SPACE5-1 ZONE COIL | Coil:Heating:Water | 4641.97 | 4666.29 | - |
| MAIN HEATING COIL 1 | Coil:Heating:Water | 17975.12 | 11910.04 | - |

*Nominal values are gross at rated conditions, i.e., the supply air fan heat and electric power NOT accounted for.*   
  
**Fans**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Type | Total Efficiency [W/W] | Delta Pressure [pa] | Max Air Flow Rate [m3/s] | Rated Electric Power [W] | Rated Power Per Max Air Flow Rate [W-s/m3] | Motor Heat In Air Fraction | Fan Energy Index | End Use Subcategory | Design Day Name for Fan Sizing Peak | Date/Time for Fan Sizing Peak |
| SUPPLY FAN 1 | Fan:VariableVolume | 0.70 | 600.00 | 1.55 | 1324.71 | 857.14 | 1.00 | 1.63 | General | CHICAGO\_IL\_USA ANNUAL COOLING 1% DESIGN CONDITIONS DB/MCWB | 7/21 15:15:00 |

**Pumps**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Type | Control | Head [pa] | Water Flow [m3/s] | Electric Power [W] | Power Per Water Flow Rate [W-s/m3] | Motor Efficiency [W/W] | End Use Subcategory |
| HW CIRC PUMP | Pump:VariableSpeed | Intermittent | 179352.00 | 0.000889 | 227.24 | 255487.18 | 0.90 | General |
| CW CIRC PUMP | Pump:VariableSpeed | Intermittent | 179352.00 | 0.001444 | 369.02 | 255487.18 | 0.90 | General |

**Service Water Heating**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Type | Storage Volume [m3] | Input [W] | Thermal Efficiency [W/W] | Recovery Efficiency [W/W] | Energy Factor |
| None |  |  |  |  |  |  |

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Report: **HVAC Sizing Summary**

For: **Entire Facility**

Timestamp: **2019-06-19 07:53:09**

**Zone Sensible Cooling**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Calculated Design Load [W] | User Design Load [W] | User Design Load per Area [W/m2] | Calculated Design Air Flow [m3/s] | User Design Air Flow [m3/s] | Design Day Name | Date/Time Of Peak {TIMESTAMP} | Thermostat Setpoint Temperature at Peak Load [C] | Indoor Temperature at Peak Load [C] | Indoor Humidity Ratio at Peak Load [kgWater/kgAir] | Outdoor Temperature at Peak Load [C] | Outdoor Humidity Ratio at Peak Load [kgWater/kgAir] | Minimum Outdoor Air Flow Rate [m3/s] | Heat Gain Rate from DOAS [W] |
| SPACE1-1 | 2340.53 | 3042.69 | 30.68 | 0.204 | 0.265 | CHICAGO\_IL\_USA ANNUAL COOLING 1% DESIGN CONDITIONS DB/MCWB | 7/21 15:00:00 | 23.90 | 23.90 | 0.00986 | 31.50 | 0.01459 | 0.104 | 0.00 |
| SPACE2-1 | 1332.79 | 1732.62 | 40.54 | 0.116 | 0.151 | CHICAGO\_IL\_USA ANNUAL COOLING 1% DESIGN CONDITIONS DB/MCWB | 7/21 10:00:00 | 23.90 | 23.90 | 0.00972 | 27.43 | 0.01459 | 0.047 | 0.00 |
| SPACE3-1 | 4609.97 | 5992.96 | 62.12 | 0.402 | 0.522 | CHICAGO\_IL\_USA ANNUAL COOLING 1% DESIGN CONDITIONS DB/MCWB | 7/21 10:45:00 | 23.90 | 23.90 | 0.00945 | 28.64 | 0.01459 | 0.104 | 0.00 |
| SPACE4-1 | 2751.72 | 3577.24 | 83.71 | 0.240 | 0.312 | CHICAGO\_IL\_USA ANNUAL COOLING 1% DESIGN CONDITIONS DB/MCWB | 7/21 16:45:00 | 23.90 | 23.90 | 0.00934 | 30.22 | 0.01459 | 0.047 | 0.00 |
| SPACE5-1 | 2604.99 | 3386.48 | 18.56 | 0.227 | 0.295 | CHICAGO\_IL\_USA ANNUAL COOLING 1% DESIGN CONDITIONS DB/MCWB | 7/21 15:00:00 | 23.90 | 23.90 | 0.01037 | 31.50 | 0.01459 | 0.189 | 0.00 |

*The Design Load is the zone sensible load only. It does not include any system effects or ventilation loads.*   
  
**Zone Sensible Heating**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Calculated Design Load [W] | User Design Load [W] | User Design Load per Area [W/m2] | Calculated Design Air Flow [m3/s] | User Design Air Flow [m3/s] | Design Day Name | Date/Time Of Peak {TIMESTAMP} | Thermostat Setpoint Temperature at Peak Load [C] | Indoor Temperature at Peak Load [C] | Indoor Humidity Ratio at Peak Load [kgWater/kgAir] | Outdoor Temperature at Peak Load [C] | Outdoor Humidity Ratio at Peak Load [kgWater/kgAir] | Minimum Outdoor Air Flow Rate [m3/s] | Heat Gain Rate from DOAS [W] |
| SPACE1-1 | 3860.76 | 5018.99 | 50.62 | 0.121 | 0.157 | CHICAGO\_IL\_USA ANNUAL HEATING 99% DESIGN CONDITIONS DB | 1/21 24:00:00 | 22.20 | 22.20 | 0.00377 | -17.30 | 0.00084 | 0.104 | 0.00 |
| SPACE2-1 | 1625.15 | 2112.69 | 49.44 | 0.051 | 0.066 | CHICAGO\_IL\_USA ANNUAL HEATING 99% DESIGN CONDITIONS DB | 1/21 24:00:00 | 22.20 | 22.20 | 0.00377 | -17.30 | 0.00084 | 0.047 | 0.00 |
| SPACE3-1 | 3753.07 | 4878.99 | 50.57 | 0.118 | 0.153 | CHICAGO\_IL\_USA ANNUAL HEATING 99% DESIGN CONDITIONS DB | 1/21 24:00:00 | 22.20 | 22.20 | 0.00377 | -17.30 | 0.00084 | 0.104 | 0.00 |
| SPACE4-1 | 1625.15 | 2112.69 | 49.44 | 0.051 | 0.066 | CHICAGO\_IL\_USA ANNUAL HEATING 99% DESIGN CONDITIONS DB | 1/21 24:00:00 | 22.20 | 22.20 | 0.00377 | -17.30 | 0.00084 | 0.047 | 0.00 |
| SPACE5-1 | 2981.57 | 3876.04 | 21.24 | 0.093 | 0.189 | CHICAGO\_IL\_USA ANNUAL HEATING 99% DESIGN CONDITIONS DB | 1/21 24:00:00 | 22.20 | 22.20 | 0.00349 | -17.30 | 0.00084 | 0.189 | 0.00 |

*The Design Load is the zone sensible load only. It does not include any system effects or ventilation loads.*   
  
**System Design Air Flow Rates**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Calculated cooling [m3/s] | User cooling [m3/s] | Calculated heating [m3/s] | User heating [m3/s] | Adjusted cooling [m3/s] | Adjusted heating [m3/s] | Adjusted main [m3/s] | Calculated Heating Air Flow Ratio [] | User Heating Air Flow Ratio [] |
| VAV SYS 1 | 1.55 | 1.55 | 0.63 | 0.63 | 1.5455 | 0.9887 | 1.5455 | 0.6398 | 0.3000 |

**Plant Loop Coincident Design Fluid Flow Rate Adjustments**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Previous Design Volume Flow Rate [m3/s] | Algorithm Volume Flow Rate [m3/s] | Coincident Design Volume Flow Rate [m3/s] | Coincident Size Adjusted | Peak Sizing Period Name | Peak Day into Period {TIMESTAMP}[day] | Peak Hour Of Day {TIMESTAMP}[hr] | Peak Step Start Minute {TIMESTAMP}[min] |
| None |  |  |  |  |  |  |  |  |

**Coil Sizing Summary**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Coil Type | HVAC Type | HVAC Name | Coil Final Gross Total Capacity [W] | Coil Final Gross Sensible Capacity [W] | Coil Final Reference Air Volume Flow Rate [m3/s] | Coil Final Reference Plant Fluid Volume Flow Rate [m3/s] | Coil U-value Times Area Value [W/K] | Design Day Name at Sensible Ideal Loads Peak | Date/Time at Sensible Ideal Loads Peak | Design Day Name at Air Flow Ideal Loads Peak | Date/Time at Air Flow Ideal Loads Peak | Coil Total Capacity at Ideal Loads Peak [W] | Coil Sensible Capacity at Ideal Loads Peak [W] | Coil Air Volume Flow Rate at Ideal Loads Peak [m3/s] | Coil Entering Air Drybulb at Ideal Loads Peak [C] | Coil Entering Air Wetbulb at Ideal Loads Peak [C] | Coil Entering Air Humidity Ratio at Ideal Loads Peak [KGWATER/KGDRYAIR] | Coil Leaving Air Drybulb at Ideal Loads Peak [C] | Coil Leaving Air Wetbulb at Ideal Loads Peak [C] | Coil Leaving Air Humidity Ratio at Ideal Loads Peak [C] | Outdoor Air Drybulb at Ideal Loads Peak [C] | Outdoor Air Humidity Ratio at Ideal Loads Peak [KGWATER/KGDRYAIR] | Outdoor Air Wetbulb at Ideal Loads Peak [C] | Outdoor Air Flow Percentage at Ideal Loads Peak [%] | Zone Air Drybulb at Ideal Loads Peak [C] | Zone Air Humidity Ratio at Ideal Loads Peak [KGWATER/KGDRYAIR] | Zone Air Relative Humidity at Ideal Loads Peak [%] | Zone Sensible Heat Gain at Ideal Loads Peak [W] | Zone Latent Heat Gain at Ideal Loads Peak [W] | Coil Total Capacity at Rating Conditions [W] | Coil Sensible Capacity at Rating Conditions [W] |
| SPACE1-1 ZONE COIL | COIL:HEATING:WATER | ZONEHVAC:AIRDISTRIBUTIONUNIT | SPACE1-1 ATU | 6011.327 | 6011.327 | 0.157166 | 0.00013281 | 147.217 | CHICAGO\_IL\_USA ANNUAL HEATING 99% DESIGN CONDITIONS DB | 1/21 24:00:00 | CHICAGO\_IL\_USA ANNUAL HEATING 99% DESIGN CONDITIONS DB | 1/21 24:00:00 | 6042.82 | 6011.33 | 0.157166 | 16.70 | 12.63 | 0.00800000 | 50.00 | 20.50 | 0.00400000 | -17.30 | 0.00083893 | -17.37 | 0.0000 | 22.20 | 0.00377474 | 21.5133 | 5018.99 | 0.00 | 6048.59 | 6048.59 |
| SPACE2-1 ZONE COIL | COIL:HEATING:WATER | ZONEHVAC:AIRDISTRIBUTIONUNIT | SPACE2-1 ATU | 2530.404 | 2530.404 | 0.066158 | 0.00005591 | 61.969 | CHICAGO\_IL\_USA ANNUAL HEATING 99% DESIGN CONDITIONS DB | 1/21 24:00:00 | CHICAGO\_IL\_USA ANNUAL HEATING 99% DESIGN CONDITIONS DB | 1/21 24:00:00 | 2543.66 | 2530.40 | 0.066158 | 16.70 | 12.63 | 0.00800000 | 50.00 | 20.50 | 0.00400000 | -17.30 | 0.00083893 | -17.37 | 0.0000 | 22.20 | 0.00376653 | 21.4668 | 2112.69 | 0.00 | 2546.09 | 2546.09 |
| SPACE3-1 ZONE COIL | COIL:HEATING:WATER | ZONEHVAC:AIRDISTRIBUTIONUNIT | SPACE3-1 ATU | 6198.123 | 6198.123 | 0.208927 | 0.00013694 | 137.946 | CHICAGO\_IL\_USA ANNUAL HEATING 99% DESIGN CONDITIONS DB | 1/21 24:00:00 | CHICAGO\_IL\_USA ANNUAL HEATING 99% DESIGN CONDITIONS DB | 1/21 24:00:00 | 6233.45 | 6198.12 | 0.208927 | 16.70 | 12.63 | 0.00800000 | 50.00 | 20.50 | 0.00400000 | -17.30 | 0.00083893 | -17.37 | 0.0000 | 22.20 | 0.00376874 | 21.4794 | 4878.99 | 0.00 | 6237.66 | 6237.66 |
| SPACE4-1 ZONE COIL | COIL:HEATING:WATER | ZONEHVAC:AIRDISTRIBUTIONUNIT | SPACE4-1 ATU | 2900.125 | 2900.125 | 0.124714 | 0.00006407 | 60.797 | CHICAGO\_IL\_USA ANNUAL HEATING 99% DESIGN CONDITIONS DB | 1/21 24:00:00 | CHICAGO\_IL\_USA ANNUAL HEATING 99% DESIGN CONDITIONS DB | 1/21 24:00:00 | 2917.49 | 2900.13 | 0.124714 | 16.70 | 12.63 | 0.00800000 | 50.00 | 20.50 | 0.00400000 | -17.30 | 0.00083893 | -17.37 | 0.0000 | 22.20 | 0.00376653 | 21.4668 | 2112.69 | 0.00 | 2918.91 | 2918.91 |
| SPACE5-1 ZONE COIL | COIL:HEATING:WATER | ZONEHVAC:AIRDISTRIBUTIONUNIT | SPACE5-1 ATU | 4641.972 | 4641.972 | 0.121375 | 0.00010256 | 113.677 | CHICAGO\_IL\_USA ANNUAL HEATING 99% DESIGN CONDITIONS DB | 1/21 24:00:00 | CHICAGO\_IL\_USA ANNUAL HEATING 99% DESIGN CONDITIONS DB | 1/21 24:00:00 | 4666.29 | 4641.97 | 0.121375 | 16.70 | 12.63 | 0.00800000 | 50.00 | 20.50 | 0.00400000 | -17.30 | 0.00083893 | -17.37 | 0.0000 | 22.20 | 0.00348972 | 19.8981 | 3876.04 | 0.00 | 4670.75 | 4670.75 |
| MAIN COOLING COIL 1 | Coil:Cooling:Water | AirLoopHVAC | VAV SYS 1 | 40439.257 | -999.000 | 1.545497 | 0.00144440 | -999.000 | CHICAGO\_IL\_USA ANNUAL COOLING 1% DESIGN CONDITIONS DB/MCWB | 7/21 15:00:00 | CHICAGO\_IL\_USA ANNUAL COOLING 1% DESIGN CONDITIONS DB/MCWB | 7/21 15:15:00 | 40439.26 | 27195.60 | 1.545497 | 26.53 | 18.80 | 0.01125633 | 12.06 | 10.76 | 0.00800000 | 29.88 | 0.01459469 | 22.11 | 31.7619 | 23.90 | 0.00970247 | 49.4280 | 17732.00 | 0.00 | 42387.06 | 28165.59 |
| MAIN HEATING COIL 1 | Coil:Heating:Water | AirLoopHVAC | VAV SYS 1 | 17975.118 | 17975.118 | 0.463649 | 0.00039714 | 241.473 | CHICAGO\_IL\_USA ANNUAL HEATING 99% DESIGN CONDITIONS DB | 1/21 01:00:00 | CHICAGO\_IL\_USA ANNUAL HEATING 99% DESIGN CONDITIONS DB | 1/21 24:00:00 | 11910.04 | 13513.94 | 0.463649 | -8.49 | -9.32 | 0.00147143 | 16.70 | 12.63 | 0.00800000 | -17.30 | 0.00083893 | -17.37 | 105.8732 | 22.20 | 0.00368629 | 21.0123 | 17999.41 | 0.00 | 11888.97 | 11888.97 |

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Report: **Coil Sizing Details**

For: **Entire Facility**

Timestamp: **2019-06-19 07:53:09**

**Coils**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Coil Type | Coil Location | HVAC Type | HVAC Name | Zone Name(s) | System Sizing Method Concurrence | System Sizing Method Capacity | System Sizing Method Air Flow | Autosized Coil Capacity? | Autosized Coil Airflow? | Autosized Coil Water Flow? | OA Pretreated prior to coil inlet? | Coil Final Gross Total Capacity [W] | Coil Final Gross Sensible Capacity [W] | Coil Final Reference Air Volume Flow Rate [m3/s] | Coil Final Reference Plant Fluid Volume Flow Rate [m3/s] | Coil U-value Times Area Value [W/K] | Terminal Unit Reheat Coil Multiplier | DX Coil Capacity Increase Ratio from Too Low Flow/Capacity Ratio | DX Coil Capacity Decrease Ratio from Too High Flow/Capacity Ratio | Moist Air Heat Capacity [J/kg-K] | Dry Air Heat Capacity [J/kg-K] | Standard Air Density Adjusted for Elevation [kg/m3] | Supply Fan Name for Coil | Supply Fan Type for Coil | Supply Fan Maximum Air Volume Flow Rate [m3/s] | Supply Fan Maximum Air Mass Flow Rate [kg/s] | Plant Name for Coil | Plant Fluid Specific Heat Capacity [J/kg-K] | Plant Fluid Density [kg/m3] | Plant Maximum Fluid Mass Flow Rate [kg/s] | Plant Design Fluid Return Temperature [C] | Plant Design Fluid Supply Temperature [C] | Plant Design Fluid Temperature Difference [deltaC] | Plant Design Capacity [W] | Coil Capacity Percentage of Plant Design Capacity [%] | Coil Fluid Flow Rate Percentage of Plant Design Flow Rate [%] | Design Day Name at Sensible Ideal Loads Peak | Date/Time at Sensible Ideal Loads Peak | Design Day Name at Total Ideal Loads Peak | Date/Time at Total Ideal Loads Peak | Design Day Name at Air Flow Ideal Loads Peak | Date/Time at Air Flow Ideal Loads Peak | Coil Total Capacity at Ideal Loads Peak [W] | Coil Sensible Capacity at Ideal Loads Peak [W] | Coil Off-Rating Capacity Modifier at Ideal Loads Peak [ ] | Coil Air Mass Flow Rate at Ideal Loads Peak [kg/s] | Coil Air Volume Flow Rate at Ideal Loads Peak [m3/s] | Coil Entering Air Drybulb at Ideal Loads Peak [C] | Coil Entering Air Wetbulb at Ideal Loads Peak [C] | Coil Entering Air Humidity Ratio at Ideal Loads Peak [KGWATER/KGDRYAIR] | Coil Entering Air Enthalpy at Ideal Loads Peak [J/KG-K] | Coil Leaving Air Drybulb at Ideal Loads Peak [C] | Coil Leaving Air Wetbulb at Ideal Loads Peak [C] | Coil Leaving Air Humidity Ratio at Ideal Loads Peak [C] | Coil Leaving Air Enthalpy at Ideal Loads Peak [J/KG-K] | Coil Plant Fluid Mass Flow Rate at Ideal Loads Peak [kg/s] | Coil Entering Plant Fluid Temperature at Ideal Loads Peak [C] | Coil Leaving Plant Fluid Temperature at Ideal Loads Peak [C] | Coil Plant Fluid Temperature Difference at Ideal Loads Peak [deltaC] | Supply Fan Air Heat Gain at Ideal Loads Peak [W] | Coil and Fan Net Total Capacity at Ideal Loads Peak [W]  Outdoor Air Drybulb at Ideal Loads Peak [C]  Outdoor Air Humidity Ratio at Ideal Loads Peak [KGWATER/KGDRYAIR]  Outdoor Air Wetbulb at Ideal Loads Peak [C]  Outdoor Air Volume Flow Rate at Ideal Loads Peak [m3/s]  Outdoor Air Flow Percentage at Ideal Loads Peak [%]  System Return Air Drybulb at Ideal Loads Peak [C]  System Return Air Humidity Ratio at Ideal Loads Peak [KGWATER/KGDRYAIR]  Zone Air Drybulb at Ideal Loads Peak [C]  Zone Air Humidity Ratio at Ideal Loads Peak [KGWATER/KGDRYAIR]  Zone Air Relative Humidity at Ideal Loads Peak [%]  Zone Sensible Heat Gain at Ideal Loads Peak [W]  Zone Latent Heat Gain at Ideal Loads Peak [W]  Coil Total Capacity at Rating Conditions [W]  Coil Sensible Capacity at Rating Conditions [W]  Coil Air Mass Flow Rate at Rating Conditions [kg/s]  Coil Entering Air Drybulb at Rating Conditions [C]  Coil Entering Air Wetbulb at Rating Conditions [C]  Coil Entering Air Humidity Ratio at Rating Conditions [KGWATER/KGDRYAIR]  Coil Entering Air Enthalpy at Rating Conditions [J/KG-K]  Coil Leaving Air Drybulb at Rating Conditions [C]  Coil Leaving Air Wetbulb at Rating Conditions [C]  Coil Leaving Air Humidity Ratio at Rating Conditions [KGWATER/KGDRYAIR]  Coil Leaving Air Enthalpy at Rating Conditions [J/KG-K] |
| SPACE1-1 ZONE COIL | COIL:HEATING:WATER | Zone Equipment | ZONEHVAC:AIRDISTRIBUTIONUNIT | SPACE1-1 ATU | SPACE1-1 | N/A | N/A | N/A | Yes | Yes | Yes | No | 6011.327 | 6011.327 | 0.157166 | 0.00013281 | 147.217 | 1.0000 | 1.00000 | 1.00000 | 1012.2758 | 1004.8586 | 1.1347 | unknown | unknown | -999.0 | -999.0 |  | 4197.9300 | 999.8980 | 0.88934003 | 71.00 | 82.00 | 11.00 | 41067.26 | 14.7145 | 14.932352 | CHICAGO\_IL\_USA ANNUAL HEATING 99% DESIGN CONDITIONS DB | 1/21 24:00:00 | unknown | unknown | CHICAGO\_IL\_USA ANNUAL HEATING 99% DESIGN CONDITIONS DB | 1/21 24:00:00 | 6042.82 | 6011.33 | 1.0000 | 0.17834336 | 0.157166 | 16.70 | 12.63 | 0.00800000 | 37036.7 | 50.00 | 20.50 | 0.00400000 | 60617.6 | 0.13279938 | 60.00 | 49.00 | 11.00 | 0.000 | 6042.82  -17.30  0.00083893  -17.37  0.00000000  0.0000  22.31  0.00377474  22.20  0.00377474  21.5133  5018.99  0.00  6048.59  6048.59  0.17834336  16.60  13.14  0.00800000  36934.7  49.86  23.91  0.00800000  70850.2 |
| SPACE2-1 ZONE COIL | COIL:HEATING:WATER | Zone Equipment | ZONEHVAC:AIRDISTRIBUTIONUNIT | SPACE2-1 ATU | SPACE2-1 | N/A | N/A | N/A | Yes | Yes | Yes | No | 2530.404 | 2530.404 | 0.066158 | 0.00005591 | 61.969 | 1.0000 | 1.00000 | 1.00000 | 1012.2758 | 1004.8586 | 1.1347 | unknown | unknown | -999.0 | -999.0 |  | 4197.9300 | 999.8980 | 0.88934003 | 71.00 | 82.00 | 11.00 | 41067.26 | 6.1939 | 6.285615 | CHICAGO\_IL\_USA ANNUAL HEATING 99% DESIGN CONDITIONS DB | 1/21 24:00:00 | unknown | unknown | CHICAGO\_IL\_USA ANNUAL HEATING 99% DESIGN CONDITIONS DB | 1/21 24:00:00 | 2543.66 | 2530.40 | 1.0000 | 0.07507193 | 0.066158 | 16.70 | 12.63 | 0.00800000 | 37036.7 | 50.00 | 20.50 | 0.00400000 | 60617.6 | 0.05590049 | 60.00 | 49.00 | 11.00 | 0.000 | 2543.66  -17.30  0.00083893  -17.37  0.00000000  0.0000  22.32  0.00376653  22.20  0.00376653  21.4668  2112.69  0.00  2546.09  2546.09  0.07507193  16.60  13.14  0.00800000  36934.7  49.86  23.91  0.00800000  70850.1 |
| SPACE3-1 ZONE COIL | COIL:HEATING:WATER | Zone Equipment | ZONEHVAC:AIRDISTRIBUTIONUNIT | SPACE3-1 ATU | SPACE3-1 | N/A | N/A | N/A | Yes | Yes | Yes | No | 6198.123 | 6198.123 | 0.208927 | 0.00013694 | 137.946 | 1.0000 | 1.00000 | 1.00000 | 1012.2758 | 1004.8586 | 1.1347 | unknown | unknown | -999.0 | -999.0 |  | 4197.9300 | 999.8980 | 0.88934003 | 71.00 | 82.00 | 11.00 | 41067.26 | 15.1786 | 15.396359 | CHICAGO\_IL\_USA ANNUAL HEATING 99% DESIGN CONDITIONS DB | 1/21 24:00:00 | unknown | unknown | CHICAGO\_IL\_USA ANNUAL HEATING 99% DESIGN CONDITIONS DB | 1/21 24:00:00 | 6233.45 | 6198.12 | 1.0000 | 0.23707928 | 0.208927 | 16.70 | 12.63 | 0.00800000 | 37036.7 | 50.00 | 20.50 | 0.00400000 | 60617.6 | 0.13692599 | 60.00 | 49.00 | 11.00 | 0.000 | 6233.45  -17.30  0.00083893  -17.37  0.00000000  0.0000  22.32  0.00376874  22.20  0.00376874  21.4794  4878.99  0.00  6237.66  6237.66  0.23707928  16.60  13.14  0.00800000  36934.7  42.40  21.85  0.00800000  63245.2 |
| SPACE4-1 ZONE COIL | COIL:HEATING:WATER | Zone Equipment | ZONEHVAC:AIRDISTRIBUTIONUNIT | SPACE4-1 ATU | SPACE4-1 | N/A | N/A | N/A | Yes | Yes | Yes | No | 2900.125 | 2900.125 | 0.124714 | 0.00006407 | 60.797 | 1.0000 | 1.00000 | 1.00000 | 1012.2758 | 1004.8586 | 1.1347 | unknown | unknown | -999.0 | -999.0 |  | 4197.9300 | 999.8980 | 0.88934003 | 71.00 | 82.00 | 11.00 | 41067.26 | 7.1042 | 7.204015 | CHICAGO\_IL\_USA ANNUAL HEATING 99% DESIGN CONDITIONS DB | 1/21 24:00:00 | unknown | unknown | CHICAGO\_IL\_USA ANNUAL HEATING 99% DESIGN CONDITIONS DB | 1/21 24:00:00 | 2917.49 | 2900.13 | 1.0000 | 0.14151905 | 0.124714 | 16.70 | 12.63 | 0.00800000 | 37036.7 | 50.00 | 20.50 | 0.00400000 | 60617.6 | 0.06406819 | 60.00 | 49.00 | 11.00 | 0.000 | 2917.49  -17.30  0.00083893  -17.37  0.00000000  0.0000  22.32  0.00376653  22.20  0.00376653  21.4668  2112.69  0.00  2918.91  2918.91  0.14151905  16.60  13.14  0.00800000  36934.7  36.83  20.19  0.00800000  57560.3 |
| SPACE5-1 ZONE COIL | COIL:HEATING:WATER | Zone Equipment | ZONEHVAC:AIRDISTRIBUTIONUNIT | SPACE5-1 ATU | SPACE5-1 | N/A | N/A | N/A | Yes | Yes | Yes | No | 4641.972 | 4641.972 | 0.121375 | 0.00010256 | 113.677 | 1.0000 | 1.00000 | 1.00000 | 1012.2758 | 1004.8586 | 1.1347 | unknown | unknown | -999.0 | -999.0 |  | 4197.9300 | 999.8980 | 0.88934003 | 71.00 | 82.00 | 11.00 | 41067.26 | 11.3626 | 11.530825 | CHICAGO\_IL\_USA ANNUAL HEATING 99% DESIGN CONDITIONS DB | 1/21 24:00:00 | unknown | unknown | CHICAGO\_IL\_USA ANNUAL HEATING 99% DESIGN CONDITIONS DB | 1/21 24:00:00 | 4666.29 | 4641.97 | 1.0000 | 0.13772940 | 0.121375 | 16.70 | 12.63 | 0.00800000 | 37036.7 | 50.00 | 20.50 | 0.00400000 | 60617.6 | 0.10254824 | 60.00 | 49.00 | 11.00 | 0.000 | 4666.29  -17.30  0.00083893  -17.37  0.00000000  0.0000  22.48  0.00348972  22.20  0.00348972  19.8981  3876.04  0.00  4670.75  4670.75  0.13772940  16.60  13.14  0.00800000  36934.7  49.86  23.91  0.00800000  70847.2 |
| MAIN COOLING COIL 1 | Coil:Cooling:Water | AirLoop | AirLoopHVAC | VAV SYS 1 | SPACE1-1; SPACE2-1; SPACE3-1; SPACE4-1; SPACE5-1; | Non-Coincident | CoolingDesignCapacity | N/A | Yes | Yes | Yes | No | 40439.257 | -999.000 | 1.545497 | 0.00144440 | -999.000 | -999.0000 | 1.00000 | 1.00000 | 1025.7650 | 1004.8586 | 1.1347 | SUPPLY FAN 1 | Fan:VariableVolume | 1.545497 | 1.75374571 |  | 4197.9300 | 999.8980 | 1.44424923 | 13.89 | 7.22 | 6.67 | 40439.26 | 100.0000 | 100.000000 | CHICAGO\_IL\_USA ANNUAL COOLING 1% DESIGN CONDITIONS DB/MCWB | 7/21 15:00:00 | CHICAGO\_IL\_USA ANNUAL COOLING 1% DESIGN CONDITIONS DB/MCWB | 7/21 15:00:00 | CHICAGO\_IL\_USA ANNUAL COOLING 1% DESIGN CONDITIONS DB/MCWB | 7/21 15:15:00 | 40439.26 | 27195.60 | 1.0000 | 1.75374571 | 1.545497 | 26.53 | 18.80 | 0.01125633 | 55367.7 | 12.06 | 10.76 | 0.00800000 | 32308.9 | 1.44424923 | 7.22 | 13.89 | 6.67 | 1324.712 | 39114.55  29.88  0.01459469  22.11  0.49088000  31.7619  24.98  0.00970247  23.90  0.00970247  49.4280  17732.00  0.00  42387.06  28165.59  1.75374571  26.53  19.46  0.01125633  55367.7  10.88  10.82  0.00803988  31198.3 |
| MAIN HEATING COIL 1 | Coil:Heating:Water | AirLoop | AirLoopHVAC | VAV SYS 1 | SPACE1-1; SPACE2-1; SPACE3-1; SPACE4-1; SPACE5-1; | Non-Coincident | HeatingDesignCapacity | N/A | Yes | Yes | Yes | No | 17975.118 | 17975.118 | 0.463649 | 0.00039714 | 241.473 | -999.0000 | 1.00000 | 1.00000 | 1019.7116 | 1004.8586 | 1.1347 | SUPPLY FAN 1 | Fan:VariableVolume | 1.545497 | 1.75374571 |  | 4197.9300 | 999.8980 | 0.88934003 | 71.00 | 82.00 | 11.00 | 41067.26 | 29.0013 | 44.650835 | CHICAGO\_IL\_USA ANNUAL HEATING 99% DESIGN CONDITIONS DB | 1/21 01:00:00 | unknown | unknown | CHICAGO\_IL\_USA ANNUAL HEATING 99% DESIGN CONDITIONS DB | 1/21 24:00:00 | 11910.04 | 13513.94 | 1.0000 | 0.52612371 | 0.463649 | -8.49 | -9.32 | 0.00147143 | -4873.7 | 16.70 | 12.63 | 0.00800000 | 37036.7 | 0.39709775 | 60.00 | 49.00 | 11.00 | 0.000 | 11910.04  -17.30  0.00083893  -17.37  0.49088000  105.8732  22.36  0.00368629  22.20  0.00368629  21.0123  17999.41  0.00  11888.97  11888.97  0.52612371  16.60  5.13  0.00083893  18804.3  39.05  14.97  0.00083893  41401.6 |

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Report: **System Summary**

For: **Entire Facility**

Timestamp: **2019-06-19 07:53:09**

**Economizer**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | High Limit Shutoff Control | Minimum Outdoor Air [m3/s] | Maximum Outdoor Air [m3/s] | Return Air Temp Limit | Return Air Enthalpy Limit | Outdoor Air Temperature Limit [C] | Outdoor Air Enthalpy Limit [C] |
| OA CONTROLLER 1 | FixedDryBulb | 0.49 | 1.55 | - |  |  |  |

**Demand Controlled Ventilation using Controller:MechanicalVentilation**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Controller:MechanicalVentilation Name | Outdoor Air Per Person [m3/s-person] | Outdoor Air Per Area [m3/s-m2] | Outdoor Air Per Zone [m3/s] | Outdoor Air ACH [ach] | Outdoor Air Method | Outdoor Air Schedule Name | Air Distribution Effectiveness in Cooling Mode | Air Distribution Effectiveness in Heating Mode | Air Distribution Effectiveness Schedule Name |
| None |  |  |  |  |  |  |  |  |  |  |

**Time Not Comfortable Based on Simple ASHRAE 55-2004**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Winter Clothes [hr] | Summer Clothes [hr] | Summer or Winter Clothes [hr] |
| SPACE1-1 | 1941.00 | 1622.50 | 1096.75 |
| SPACE2-1 | 2290.75 | 1354.50 | 966.50 |
| SPACE3-1 | 1764.50 | 1830.50 | 940.00 |
| SPACE4-1 | 1356.00 | 1966.25 | 617.50 |
| SPACE5-1 | 1238.00 | 2043.50 | 1237.25 |
| PLENUM-1 | 0.00 | 0.00 | 0.00 |
| Facility | 2388.75 | 2498.00 | 1246.75 |

*Aggregated over the RunPeriods for Weather*   
  
**Time Setpoint Not Met**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | During Heating [hr] | During Cooling [hr] | During Occupied Heating [hr] | During Occupied Cooling [hr] |
| SPACE1-1 | 0.00 | 54.75 | 0.00 | 54.75 |
| SPACE2-1 | 0.00 | 248.50 | 0.00 | 218.25 |
| SPACE3-1 | 0.00 | 18.00 | 0.00 | 0.00 |
| SPACE4-1 | 0.00 | 102.50 | 0.00 | 0.00 |
| SPACE5-1 | 0.50 | 0.00 | 0.00 | 0.00 |
| PLENUM-1 | 0.00 | 0.00 | 0.00 | 0.00 |
| Facility | 0.50 | 423.75 | 0.00 | 273.00 |

*Aggregated over the RunPeriods for Weather*

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Report: **Outdoor Air Summary**

For: **Entire Facility**

Timestamp: **2019-06-19 07:53:09**

**Average Outdoor Air During Occupied Hours**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Average Number of Occupants | Nominal Number of Occupants | Zone Volume [m3] | Mechanical Ventilation [ach] | Infiltration [ach] | AFN Infiltration [ach] | Simple Ventilation [ach] |
| SPACE1-1 | 9.50 | 11.00 | 239.25 | 1.358 | 0.016 | 0.000 | 0.000 |
| SPACE2-1 | 4.32 | 5.00 | 103.31 | 1.866 | 0.016 | 0.000 | 0.000 |
| SPACE3-1 | 9.50 | 11.00 | 239.25 | 1.999 | 0.016 | 0.000 | 0.000 |
| SPACE4-1 | 4.32 | 5.00 | 103.31 | 2.757 | 0.016 | 0.000 | 0.000 |
| SPACE5-1 | 17.27 | 20.00 | 447.68 | 0.830 | 0.016 | 0.000 | 0.000 |

*Values shown for a single zone without multipliers*   
  
**Minimum Outdoor Air During Occupied Hours**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Average Number of Occupants | Nominal Number of Occupants | Zone Volume [m3] | Mechanical Ventilation [ach] | Infiltration [ach] | AFN Infiltration [ach] | Simple Ventilation [ach] |
| SPACE1-1 | 9.50 | 11.00 | 239.25 | 0.026 | 0.000 | 0.000 | 0.000 |
| SPACE2-1 | 4.32 | 5.00 | 103.31 | 0.027 | 0.000 | 0.000 | 0.000 |
| SPACE3-1 | 9.50 | 11.00 | 239.25 | 0.040 | 0.000 | 0.000 | 0.000 |
| SPACE4-1 | 4.32 | 5.00 | 103.31 | 0.055 | 0.000 | 0.000 | 0.000 |
| SPACE5-1 | 17.27 | 20.00 | 447.68 | 0.012 | 0.000 | 0.000 | 0.000 |

*Values shown for a single zone without multipliers*

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Report: **Object Count Summary**

For: **Entire Facility**

Timestamp: **2019-06-19 07:53:09**

**Surfaces by Class**

|  |  |  |
| --- | --- | --- |
|  | Total | Outdoors |
| Wall | 24 | 8 |
| Floor | 10 | 5 |
| Roof | 6 | 1 |
| Internal Mass | 0 | 0 |
| Building Detached Shading | 0 | 0 |
| Fixed Detached Shading | 0 | 0 |
| Window | 6 | 6 |
| Door | 0 | 0 |
| Glass Door | 2 | 2 |
| Shading | 4 | 4 |
| Overhang | 0 | 0 |
| Fin | 0 | 0 |
| Tubular Daylighting Device Dome | 0 | 0 |
| Tubular Daylighting Device Diffuser | 0 | 0 |

**HVAC**

|  |  |
| --- | --- |
|  | Count |
| HVAC Air Loops | 1 |
| Conditioned Zones | 6 |
| Unconditioned Zones | 0 |
| Supply Plenums | 0 |
| Return Plenums | 1 |

**Input Fields**

|  |  |
| --- | --- |
|  | Count |
| IDF Objects | 0 |
| Defaulted Fields | 0 |
| Fields with Defaults | 0 |
| Autosized Fields | 0 |
| Autosizable Fields | 0 |
| Autocalculated Fields | 0 |
| Autocalculatable Fields | 0 |

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Report: **Energy Meters**

For: **Entire Facility**

Timestamp: **2019-06-19 07:53:09**

**Annual and Peak Values - Electricity**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Electricity Annual Value [kWh] | Electricity Minimum Value [W] | Timestamp of Minimum {TIMESTAMP} | Electricity Maximum Value [W] | Timestamp of Maximum {TIMESTAMP} |
| Electricity:Facility | 51244.54 | 475.00 | 01-JAN-00:15 | 20112.67 | 22-MAR-11:00 |
| Electricity:Building | 35815.60 | 475.00 | 01-JAN-00:15 | 12000.00 | 01-JAN-10:15 |
| Electricity:Zone:SPACE1-1 | 7564.26 | 100.32 | 01-JAN-00:15 | 2534.40 | 01-JAN-10:15 |
| InteriorLights:Electricity | 22566.39 | 375.00 | 01-JAN-00:15 | 7500.00 | 01-JAN-10:15 |
| InteriorLights:Electricity:Zone:SPACE1-1 | 4766.02 | 79.20 | 01-JAN-00:15 | 1584.00 | 01-JAN-10:15 |
| GeneralLights:InteriorLights:Electricity | 22566.39 | 375.00 | 01-JAN-00:15 | 7500.00 | 01-JAN-10:15 |
| Electricity:Zone:SPACE2-1 | 3266.38 | 43.32 | 01-JAN-00:15 | 1094.40 | 01-JAN-10:15 |
| InteriorLights:Electricity:Zone:SPACE2-1 | 2058.06 | 34.20 | 01-JAN-00:15 | 684.00 | 01-JAN-10:15 |
| Electricity:Zone:SPACE3-1 | 7564.26 | 100.32 | 01-JAN-00:15 | 2534.40 | 01-JAN-10:15 |
| InteriorLights:Electricity:Zone:SPACE3-1 | 4766.02 | 79.20 | 01-JAN-00:15 | 1584.00 | 01-JAN-10:15 |
| Electricity:Zone:SPACE4-1 | 3266.38 | 43.32 | 01-JAN-00:15 | 1094.40 | 01-JAN-10:15 |
| InteriorLights:Electricity:Zone:SPACE4-1 | 2058.06 | 34.20 | 01-JAN-00:15 | 684.00 | 01-JAN-10:15 |
| Electricity:Zone:SPACE5-1 | 14154.33 | 187.72 | 01-JAN-00:15 | 4742.40 | 01-JAN-10:15 |
| InteriorLights:Electricity:Zone:SPACE5-1 | 8918.24 | 148.20 | 01-JAN-00:15 | 2964.00 | 01-JAN-10:15 |
| InteriorEquipment:Electricity | 13249.21 | 100.00 | 01-JAN-00:15 | 4500.00 | 01-JAN-09:15 |
| InteriorEquipment:Electricity:Zone:SPACE1-1 | 2798.23 | 21.12 | 01-JAN-00:15 | 950.40 | 01-JAN-09:15 |
| General:InteriorEquipment:Electricity | 13249.21 | 100.00 | 01-JAN-00:15 | 4500.00 | 01-JAN-09:15 |
| InteriorEquipment:Electricity:Zone:SPACE2-1 | 1208.33 | 9.12 | 01-JAN-00:15 | 410.40 | 01-JAN-09:15 |
| InteriorEquipment:Electricity:Zone:SPACE3-1 | 2798.23 | 21.12 | 01-JAN-00:15 | 950.40 | 01-JAN-09:15 |
| InteriorEquipment:Electricity:Zone:SPACE4-1 | 1208.33 | 9.12 | 01-JAN-00:15 | 410.40 | 01-JAN-09:15 |
| InteriorEquipment:Electricity:Zone:SPACE5-1 | 5236.09 | 39.52 | 01-JAN-00:15 | 1778.40 | 01-JAN-09:15 |
| ElectricityPurchased:Facility | 41464.83 | 0.00 | 01-JAN-00:15 | 18829.72 | 22-MAR-11:00 |
| ElectricityPurchased:Plant | 41464.83 | 0.00 | 01-JAN-00:15 | 18829.72 | 22-MAR-11:00 |
| Cogeneration:ElectricityPurchased | 41464.83 | 0.00 | 01-JAN-00:15 | 18829.72 | 22-MAR-11:00 |
| ElectricitySurplusSold:Facility | 2205.26 | 0.00 | 01-JAN-06:15 | 1009.15 | 12-SEP-06:00 |
| ElectricitySurplusSold:Plant | 2205.26 | 0.00 | 01-JAN-06:15 | 1009.15 | 12-SEP-06:00 |
| Cogeneration:ElectricitySurplusSold | 2205.26 | 0.00 | 01-JAN-06:15 | 1009.15 | 12-SEP-06:00 |
| ElectricityNet:Facility | 39259.58 | -1009.15 | 12-SEP-06:00 | 18829.72 | 22-MAR-11:00 |
| ElectricityNet:Plant | 39259.58 | -1009.15 | 12-SEP-06:00 | 18829.72 | 22-MAR-11:00 |
| Cogeneration:ElectricityNet | 39259.58 | -1009.15 | 12-SEP-06:00 | 18829.72 | 22-MAR-11:00 |
| ElectricityProduced:Facility | 11984.97 | 1245.79 | 20-MAY-15:00 | 1484.15 | 12-SEP-06:00 |
| ElectricityProduced:Plant | 11984.97 | 1245.79 | 20-MAY-15:00 | 1484.15 | 12-SEP-06:00 |
| Cogeneration:ElectricityProduced | 11984.97 | 1245.79 | 20-MAY-15:00 | 1484.15 | 12-SEP-06:00 |
| Electricity:HVAC | 2297.66 | 0.00 | 01-JAN-00:15 | 853.80 | 22-MAR-11:00 |
| Fans:Electricity | 2297.66 | 0.00 | 01-JAN-00:15 | 853.80 | 22-MAR-11:00 |
| General:Fans:Electricity | 2297.66 | 0.00 | 01-JAN-00:15 | 853.80 | 22-MAR-11:00 |
| Electricity:Plant | 13131.28 | 0.00 | 01-JAN-00:15 | 7690.89 | 22-FEB-16:00 |
| Heating:Electricity | 0.00 | 0.00 | 01-JAN-00:15 | 0.00 | 01-JAN-00:15 |
| Boiler Parasitic:Heating:Electricity | 0.00 | 0.00 | 01-JAN-00:15 | 0.00 | 01-JAN-00:15 |
| Cooling:Electricity | 12487.97 | 0.00 | 01-JAN-00:15 | 7499.95 | 22-FEB-16:00 |
| General:Cooling:Electricity | 12487.97 | 0.00 | 01-JAN-00:15 | 7499.95 | 22-FEB-16:00 |
| Pumps:Electricity | 643.31 | 0.00 | 01-JAN-00:15 | 310.56 | 01-APR-06:45 |
| General:Pumps:Electricity | 643.31 | 0.00 | 01-JAN-00:15 | 310.56 | 01-APR-06:45 |

**Annual and Peak Values - Gas**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Gas Annual Value [kWh] | Gas Minimum Value [W] | Timestamp of Minimum {TIMESTAMP} | Gas Maximum Value [W] | Timestamp of Maximum {TIMESTAMP} |
| Gas:Facility | 52397.99 | 4909.73 | 20-MAY-15:00 | 31443.99 | 12-SEP-06:15 |
| Gas:Plant | 52397.99 | 4909.73 | 20-MAY-15:00 | 31443.99 | 12-SEP-06:15 |
| Cogeneration:Gas | 45512.33 | 4909.73 | 20-MAY-15:00 | 5467.84 | 12-SEP-06:00 |
| Heating:Gas | 6885.66 | 0.00 | 01-JAN-00:15 | 25979.51 | 12-SEP-06:15 |
| Boiler:Heating:Gas | 6885.66 | 0.00 | 01-JAN-00:15 | 25979.51 | 12-SEP-06:15 |

**Annual and Peak Values - Cooling**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Cooling Annual Value [kWh] | Cooling Minimum Value [W] | Timestamp of Minimum {TIMESTAMP} | Cooling Maximum Value [W] | Timestamp of Maximum {TIMESTAMP} |
| PlantLoopCoolingDemand:Facility | 51332.36 | 0.00 | 01-JAN-00:15 | 28735.41 | 22-FEB-16:00 |
| PlantLoopCoolingDemand:HVAC | 51332.36 | 0.00 | 01-JAN-00:15 | 28735.41 | 22-FEB-16:00 |
| CoolingCoils:PlantLoopCoolingDemand | 51332.36 | 0.00 | 01-JAN-00:15 | 28735.41 | 22-FEB-16:00 |

**Annual and Peak Values - Water**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Annual Value [m3] | Minimum Value [m3/s] | Timestamp of Minimum {TIMESTAMP} | Maximum Value [m3/s] | Timestamp of Maximum {TIMESTAMP} |
| Water:Facility | 238.79 | 0.00 | 01-JAN-00:15 | 0.00 | 01-JAN-12:15 |
| Water:Plant | 238.79 | 0.00 | 01-JAN-00:15 | 0.00 | 01-JAN-12:15 |
| WaterSystems:Water | 238.79 | 0.00 | 01-JAN-00:15 | 0.00 | 01-JAN-12:15 |
| Bathrooms:WaterSystems:Water | 139.29 | 0.00 | 01-JAN-00:15 | 0.00 | 01-JAN-12:15 |
| MainsWater:Facility | 238.79 | 0.00 | 01-JAN-00:15 | 0.00 | 01-JAN-12:15 |
| MainsWater:Plant | 238.79 | 0.00 | 01-JAN-00:15 | 0.00 | 01-JAN-12:15 |
| WaterSystems:MainsWater | 238.79 | 0.00 | 01-JAN-00:15 | 0.00 | 01-JAN-12:15 |
| Bathrooms:WaterSystems:MainsWater | 139.29 | 0.00 | 01-JAN-00:15 | 0.00 | 01-JAN-12:15 |
| Kitchen Sink:WaterSystems:Water | 99.50 | 0.00 | 01-JAN-00:15 | 0.00 | 01-JAN-10:15 |
| Kitchen Sink:WaterSystems:MainsWater | 99.50 | 0.00 | 01-JAN-00:15 | 0.00 | 01-JAN-10:15 |

**Annual and Peak Values - Other by Weight/Mass**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Annual Value [kg] | Minimum Value [kg/s] | Timestamp of Minimum {TIMESTAMP} | Maximum Value [kg/s] | Timestamp of Maximum {TIMESTAMP} |
| Carbon Equivalent:Facility | 0.00 | 0.000 | 01-JAN-00:15 | 0.000 | 01-JAN-00:15 |
| CarbonEquivalentEmissions:Carbon Equivalent | 0.00 | 0.000 | 01-JAN-00:15 | 0.000 | 01-JAN-00:15 |

**Annual and Peak Values - Other Volumetric**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Annual Value [m3] | Minimum Value [m3/s] | Timestamp of Minimum {TIMESTAMP} | Maximum Value [m3/s] | Timestamp of Maximum {TIMESTAMP} |
| None |  |  |  |  |  |

**Annual and Peak Values - Other Liquid/Gas**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Annual Value [L] | Minimum Value [L] | Timestamp of Minimum {TIMESTAMP} | Maximum Value [L] | Timestamp of Maximum {TIMESTAMP} |
| None |  |  |  |  |  |

**Annual and Peak Values - Other**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Annual Value [kWh] | Minimum Value [W] | Timestamp of Minimum {TIMESTAMP} | Maximum Value [W] | Timestamp of Maximum {TIMESTAMP} |
| EnergyTransfer:Facility | 207294.83 | 0.00 | 01-JAN-20:15 | 105354.80 | 22-FEB-16:00 |
| EnergyTransfer:Building | 28814.40 | 0.00 | 01-JAN-20:15 | 14387.40 | 20-MAY-16:00 |
| EnergyTransfer:Zone:PLENUM-1 | 3929.74 | 0.00 | 01-JAN-00:15 | 3723.81 | 07-NOV-15:45 |
| Heating:EnergyTransfer | 2654.78 | 0.00 | 01-JAN-11:45 | 11729.81 | 15-FEB-06:15 |
| Heating:EnergyTransfer:Zone:PLENUM-1 | 843.51 | 0.00 | 01-JAN-00:15 | 1771.70 | 04-NOV-08:15 |
| Cooling:EnergyTransfer | 26159.62 | 0.00 | 01-JAN-00:15 | 14387.40 | 20-MAY-16:00 |
| Cooling:EnergyTransfer:Zone:PLENUM-1 | 3086.22 | 0.00 | 01-JAN-00:15 | 3723.81 | 07-NOV-15:45 |
| EnergyTransfer:Zone:SPACE1-1 | 5220.12 | 0.00 | 01-JAN-20:15 | 2917.33 | 04-JAN-17:30 |
| Heating:EnergyTransfer:Zone:SPACE1-1 | 440.12 | 0.00 | 01-JAN-08:15 | 2634.63 | 15-FEB-06:15 |
| Cooling:EnergyTransfer:Zone:SPACE1-1 | 4780.00 | 0.00 | 01-JAN-00:15 | 2917.33 | 04-JAN-17:30 |
| EnergyTransfer:Zone:SPACE2-1 | 3020.15 | 0.00 | 01-JAN-20:15 | 1939.39 | 02-APR-10:30 |
| Heating:EnergyTransfer:Zone:SPACE2-1 | 140.93 | 0.00 | 01-JAN-08:15 | 1258.21 | 12-SEP-06:15 |
| Cooling:EnergyTransfer:Zone:SPACE2-1 | 2879.21 | 0.00 | 01-JAN-00:15 | 1939.39 | 02-APR-10:30 |
| EnergyTransfer:Zone:SPACE3-1 | 6803.30 | 0.00 | 01-JAN-20:15 | 5496.50 | 12-JUL-10:30 |
| Heating:EnergyTransfer:Zone:SPACE3-1 | 330.39 | 0.00 | 01-JAN-08:15 | 2589.54 | 15-FEB-06:15 |
| Cooling:EnergyTransfer:Zone:SPACE3-1 | 6472.91 | 0.00 | 01-JAN-00:15 | 5496.50 | 12-JUL-10:30 |
| EnergyTransfer:Zone:SPACE4-1 | 3683.25 | 0.00 | 01-JAN-20:15 | 2917.93 | 20-MAY-16:30 |
| Heating:EnergyTransfer:Zone:SPACE4-1 | 188.03 | 0.00 | 01-JAN-08:15 | 1243.65 | 12-SEP-06:15 |
| Cooling:EnergyTransfer:Zone:SPACE4-1 | 3495.23 | 0.00 | 01-JAN-00:15 | 2917.93 | 20-MAY-16:30 |
| EnergyTransfer:Zone:SPACE5-1 | 6157.84 | 0.00 | 01-JAN-20:15 | 3344.71 | 15-FEB-06:15 |
| Heating:EnergyTransfer:Zone:SPACE5-1 | 711.79 | 0.00 | 01-JAN-08:15 | 3344.71 | 15-FEB-06:15 |
| Cooling:EnergyTransfer:Zone:SPACE5-1 | 5446.05 | 0.00 | 01-JAN-00:15 | 2662.94 | 03-SEP-15:00 |
| DistrictHeating:Facility | 9473.14 | 0.00 | 01-JAN-00:15 | 4747.65 | 01-JAN-12:15 |
| DistrictHeating:Plant | 9473.14 | 0.00 | 01-JAN-00:15 | 4747.65 | 01-JAN-12:15 |
| WaterSystems:DistrictHeating | 9473.14 | 0.00 | 01-JAN-00:15 | 4747.65 | 01-JAN-12:15 |
| Bathrooms:WaterSystems:DistrictHeating | 4852.10 | 0.00 | 01-JAN-00:15 | 1582.55 | 01-JAN-12:15 |
| Kitchen Sink:WaterSystems:DistrictHeating | 4621.05 | 0.00 | 01-JAN-00:15 | 3165.10 | 19-MAY-14:00 |
| EnergyTransfer:HVAC | 56842.19 | 0.00 | 01-JAN-00:15 | 33328.23 | 11-APR-06:15 |
| HeatingCoils:EnergyTransfer | 5509.83 | 0.00 | 01-JAN-00:15 | 16757.83 | 16-JUL-06:15 |
| PlantLoopHeatingDemand:Facility | 5509.83 | 0.00 | 01-JAN-00:15 | 16757.83 | 16-JUL-06:15 |
| PlantLoopHeatingDemand:HVAC | 5509.83 | 0.00 | 01-JAN-00:15 | 16757.83 | 16-JUL-06:15 |
| HeatingCoils:PlantLoopHeatingDemand | 5509.83 | 0.00 | 01-JAN-00:15 | 16757.83 | 16-JUL-06:15 |
| CoolingCoils:EnergyTransfer | 51332.36 | 0.00 | 01-JAN-00:15 | 28735.41 | 22-FEB-16:00 |
| EnergyTransfer:Plant | 121638.23 | 0.00 | 01-JAN-00:15 | 65180.45 | 22-FEB-16:00 |
| Boilers:EnergyTransfer | 5508.53 | 0.00 | 01-JAN-00:15 | 20783.61 | 12-SEP-06:15 |
| Chillers:EnergyTransfer | 51820.87 | 0.00 | 01-JAN-00:15 | 28868.59 | 11-APR-16:00 |
| HeatRejection:EnergyTransfer | 64308.84 | 0.00 | 01-JAN-00:15 | 36340.20 | 22-FEB-16:00 |

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Report: **Sensible Heat Gain Summary**

For: **Entire Facility**

Timestamp: **2019-06-19 07:53:09**

**Annual Building Sensible Heat Gain Components**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | HVAC Zone Eq & Other Sensible Air Heating [kWh] | HVAC Zone Eq & Other Sensible Air Cooling [kWh] | HVAC Terminal Unit Sensible Air Heating [kWh] | HVAC Terminal Unit Sensible Air Cooling [kWh] | HVAC Input Heated Surface Heating [kWh] | HVAC Input Cooled Surface Cooling [kWh] | People Sensible Heat Addition [kWh] | Lights Sensible Heat Addition [kWh] | Equipment Sensible Heat Addition [kWh] | Window Heat Addition [kWh] | Interzone Air Transfer Heat Addition [kWh] | Infiltration Heat Addition [kWh] | Opaque Surface Conduction and Other Heat Addition [kWh] | Equipment Sensible Heat Removal [kWh] | Window Heat Removal [kWh] | Interzone Air Transfer Heat Removal [kWh] | Infiltration Heat Removal [kWh] | Opaque Surface Conduction and Other Heat Removal [kWh] |
| SPACE1-1 | 0.000 | 0.000 | 346.979 | -4780.19 | 0.000 | 0.000 | 1930.695 | 4766.022 | 2798.233 | 6206.843 | 0.000 | 14.811 | 0.000 | 0.000 | -327.79 | 0.000 | -3.91 | -10951.70 |
| SPACE2-1 | 0.000 | 0.000 | 100.730 | -2879.34 | 0.000 | 0.000 | 870.140 | 2058.055 | 1208.328 | 5327.089 | 0.000 | 5.901 | 0.000 | 0.000 | -135.90 | 0.000 | -2.59 | -6552.41 |
| SPACE3-1 | 0.000 | 0.000 | 237.230 | -6473.09 | 0.000 | 0.000 | 1981.608 | 4766.022 | 2798.233 | 10369.327 | 0.000 | 16.076 | 0.000 | 0.000 | -357.92 | 0.000 | -3.65 | -13333.84 |
| SPACE4-1 | 0.000 | 0.000 | 147.788 | -3495.29 | 0.000 | 0.000 | 919.983 | 2058.055 | 1208.328 | 5530.026 | 0.000 | 6.964 | 0.000 | 0.000 | -150.28 | 0.000 | -1.71 | -6223.87 |
| SPACE5-1 | 0.000 | 0.000 | 537.394 | -5446.37 | 0.000 | 0.000 | 3498.552 | 8918.239 | 5236.088 | 0.000 | 0.000 | 35.779 | 0.000 | 0.000 | 0.000 | 0.000 | -7.82 | -12771.87 |
| PLENUM-1 | 843.566 | -3086.19 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 2242.623 | 0.000 | 0.000 | 0.000 | 0.000 | -0.21 |
| Total Facility | 843.566 | -3086.19 | 1370.120 | -23074.28 | 0.000 | 0.000 | 9200.978 | 22566.393 | 13249.211 | 27433.285 | 0.000 | 79.531 | 2242.623 | 0.000 | -971.88 | 0.000 | -19.67 | -49833.90 |

**Peak Cooling Sensible Heat Gain Components**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Time of Peak {TIMESTAMP} | HVAC Zone Eq & Other Sensible Air Heating [W] | HVAC Zone Eq & Other Sensible Air Cooling [W] | HVAC Terminal Unit Sensible Air Heating [W] | HVAC Terminal Unit Sensible Air Cooling [W] | HVAC Input Heated Surface Heating [W] | HVAC Input Cooled Surface Cooling [W] | People Sensible Heat Addition [W] | Lights Sensible Heat Addition [W] | Equipment Sensible Heat Addition [W] | Window Heat Addition [W] | Interzone Air Transfer Heat Addition [W] | Infiltration Heat Addition [W] | Opaque Surface Conduction and Other Heat Addition [W] | Equipment Sensible Heat Removal [W] | Window Heat Removal [W] | Interzone Air Transfer Heat Removal [W] | Infiltration Heat Removal [W] | Opaque Surface Conduction and Other Heat Removal [W] |
| SPACE1-1 | 04-JAN-17:30 | 0.00 | 0.00 | 0.00 | -2917.40 | 0.00 | 0.00 | 691.59 | 1584.00 | 528.00 | 7724.01 | 0.00 | 9.33 | 0.00 | 0.00 | -0.00 | 0.00 | 0.00 | -7619.52 |
| SPACE2-1 | 02-APR-10:15 | 0.00 | 0.00 | 0.00 | -1939.83 | 0.00 | 0.00 | 345.50 | 684.00 | 410.40 | 3240.12 | 0.00 | 0.00 | 0.00 | 0.00 | -0.00 | 0.00 | 0.00 | -2740.19 |
| SPACE3-1 | 12-JUL-10:30 | 0.00 | 0.00 | 0.00 | -5496.40 | 0.00 | 0.00 | 766.44 | 1584.00 | 950.40 | 10323.39 | 0.00 | 0.00 | 0.00 | 0.00 | -0.00 | 0.00 | 0.00 | -8127.83 |
| SPACE4-1 | 20-MAY-16:30 | 0.00 | 0.00 | 0.00 | -2917.91 | 0.00 | 0.00 | 348.38 | 684.00 | 228.00 | 5725.20 | 0.00 | 0.00 | 0.00 | 0.00 | -0.00 | 0.00 | 0.00 | -4067.67 |
| SPACE5-1 | 03-SEP-15:00 | 0.00 | 0.00 | 0.00 | -2663.09 | 0.00 | 0.00 | 1393.56 | 2964.00 | 1580.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.00 | 0.00 | 0.00 | -3275.27 |
| PLENUM-1 | 07-NOV-15:45 | 0.00 | -3724.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3724.22 | 0.00 | -0.00 | 0.00 | 0.00 | 0.00 |
| Total Facility | 20-MAY-16:00 | 0.00 | -3242.27 | 0.00 | -11145.25 | 0.00 | 0.00 | 3638.97 | 7500.00 | 3500.00 | 9434.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -9686.26 |

**Peak Heating Sensible Heat Gain Components**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Time of Peak {TIMESTAMP} | HVAC Zone Eq & Other Sensible Air Heating [W] | HVAC Zone Eq & Other Sensible Air Cooling [W] | HVAC Terminal Unit Sensible Air Heating [W] | HVAC Terminal Unit Sensible Air Cooling [W] | HVAC Input Heated Surface Heating [W] | HVAC Input Cooled Surface Cooling [W] | People Sensible Heat Addition [W] | Lights Sensible Heat Addition [W] | Equipment Sensible Heat Addition [W] | Window Heat Addition [W] | Interzone Air Transfer Heat Addition [W] | Infiltration Heat Addition [W] | Opaque Surface Conduction and Other Heat Addition [W] | Equipment Sensible Heat Removal [W] | Window Heat Removal [W] | Interzone Air Transfer Heat Removal [W] | Infiltration Heat Removal [W] | Opaque Surface Conduction and Other Heat Removal [W] |
| SPACE1-1 | 04-NOV-06:02 | 0.00 | 0.00 | 5629.53 | -0.00 | 0.00 | 0.00 | 0.00 | 79.20 | 21.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -101.30 | 0.00 | -36.72 | -5591.82 |
| SPACE2-1 | 16-JAN-06:02 | 0.00 | 0.00 | 2837.74 | -0.00 | 0.00 | 0.00 | 0.00 | 34.20 | 9.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -72.35 | 0.00 | -0.50 | -2808.22 |
| SPACE3-1 | 16-JAN-06:02 | 0.00 | 0.00 | 4850.10 | -0.00 | 0.00 | 0.00 | 0.00 | 79.20 | 21.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -192.27 | 0.00 | -1.03 | -4757.13 |
| SPACE4-1 | 15-NOV-06:02 | 0.00 | 0.00 | 2193.66 | -0.00 | 0.00 | 0.00 | 0.00 | 34.20 | 9.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -13.72 | 0.00 | -2.12 | -2221.14 |
| SPACE5-1 | 16-JAN-06:02 | 0.00 | 0.00 | 5510.23 | -0.00 | 0.00 | 0.00 | 0.00 | 148.20 | 39.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.00 | 0.00 | -1.96 | -5695.99 |
| PLENUM-1 | 04-NOV-08:08 | 1819.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.00 | 0.00 | 0.00 | -1819.93 |
| Total Facility | 16-JAN-06:02 | -284.93 | 0.00 | 21010.04 | 0.00 | 0.00 | 0.00 | 0.00 | 375.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -519.36 | 0.00 | -5.03 | -20675.72 |

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Report: **Standard 62.1 Summary**

For: **Entire Facility**

Timestamp: **2019-06-19 07:53:09**

**System Ventilation Requirements for Cooling**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Sum of Zone Primary Air Flow - Vpz-sum [m3/s] | System Population - Ps | Sum of Zone Population - Pz-sum | Occupant Diversity - D | Uncorrected Outdoor Air Intake Airflow - Vou [m3/s] | System Primary Airflow - Vps [m3/s] | Average Outdoor Air Fraction - Xs | System Ventilation Efficiency - Ev | Outdoor Air Intake Flow - Vot [m3/s] | Percent Outdoor Air - %OA | Environment Name of Peak System Population - Ps | Date and Time of Last Peak System Population - Ps |
| VAV SYS 1 | 1.5455 | 0.0000 | 52.0000 | 1.0000 | 0.4909 | 1.5455 | 0.3176 | 1.0000 | 0.4909 | 0.3176 |  |  |

**System Ventilation Requirements for Heating**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Sum of Zone Primary Air Flow - Vpz-sum [m3/s] | System Population - Ps | Sum of Zone Population - Pz-sum | Occupant Diversity - D | Uncorrected Outdoor Air Intake Airflow - Vou [m3/s] | System Primary Airflow - Vps [m3/s] | Average Outdoor Air Fraction - Xs | System Ventilation Efficiency - Ev | Outdoor Air Intake Flow Vot [m3/s] | Percent Outdoor Air - %OA | Environment Name of Peak System Population - Ps | Date and Time of Last Peak System Population - Ps |
| VAV SYS 1 | 0.9887 | 0.0000 | 52.0000 | 1.0000 | 0.4909 | 0.6182 | 1.0000 | 1.0000 | 0.4909 | 0.7940 |  |  |

**Zone Ventilation Parameters**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | AirLoop Name | People Outdoor Air Rate - Rp [m3/s-person] | Zone Population - Pz | Area Outdoor Air Rate - Ra [m3/s-m2] | Zone Floor Area - Az [m2] | Breathing Zone Outdoor Airflow - Vbz [m3/s] | Cooling Zone Air Distribution Effectiveness - Ez-clg | Cooling Zone Outdoor Airflow - Voz-clg [m3/s] | Heating Zone Air Distribution Effectiveness - Ez-htg | Heating Zone Outdoor Airflow - Voz-htg [m3/s] |
| SPACE1-1 | VAV SYS 1 | 0.009440 | 11.0000 | 0.000000 | 99.16 | 0.1038 | 1.0000 | 0.1038 | 1.000 | 0.1038 |
| SPACE2-1 | VAV SYS 1 | 0.009440 | 5.0000 | 0.000000 | 42.73 | 0.0472 | 1.0000 | 0.0472 | 1.000 | 0.0472 |
| SPACE3-1 | VAV SYS 1 | 0.009440 | 11.0000 | 0.000000 | 96.48 | 0.1038 | 1.0000 | 0.1038 | 1.000 | 0.1038 |
| SPACE4-1 | VAV SYS 1 | 0.009440 | 5.0000 | 0.000000 | 42.73 | 0.0472 | 1.0000 | 0.0472 | 1.000 | 0.0472 |
| SPACE5-1 | VAV SYS 1 | 0.009440 | 20.0000 | 0.000000 | 182.49 | 0.1888 | 1.0000 | 0.1888 | 1.000 | 0.1888 |

**System Ventilation Parameters**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | People Outdoor Air Rate - Rp [m3/s-person] | Sum of Zone Population - Pz-sum | Area Outdoor Air Rate - Ra [m3/s-m2] | Sum of Zone Floor Area - Az-sum [m2] | Breathing Zone Outdoor Airflow - Vbz [m3/s] | Cooling Zone Outdoor Airflow - Voz-clg [m3/s] | Heating Zone Outdoor Airflow - Voz-htg [m3/s] |
| VAV SYS 1 | 0.009440 | 52.00 | 0.000000 | 463.6000 | 0.4909 | 0.4909 | 0.4909 |

**Zone Ventilation Calculations for Cooling Design**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | AirLoop Name | Box Type | Zone Primary Airflow - Vpz [m3/s] | Zone Discharge Airflow - Vdz [m3/s] | Minimum Zone Primary Airflow - Vpz-min [m3/s] | Zone Outdoor Airflow Cooling - Voz-clg [m3/s] | Primary Outdoor Air Fraction - Zpz | Primary Air Fraction - Ep | Secondary Recirculation Fraction- Er | Supply Air Fraction- Fa | Mixed Air Fraction - Fb | Outdoor Air Fraction - Fc | Zone Ventilation Efficiency - Evz |
| SPACE1-1 | VAV SYS 1 | AIRTERMINAL:SINGLEDUCT:VAV:REHEAT | 0.2652 | 0.2652 | 0.1061 | 0.1038 | 0.0000 | 1.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 1.0000 |
| SPACE2-1 | VAV SYS 1 | AIRTERMINAL:SINGLEDUCT:VAV:REHEAT | 0.1510 | 0.1510 | 0.0604 | 0.0472 | 0.0000 | 1.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 1.0000 |
| SPACE3-1 | VAV SYS 1 | AIRTERMINAL:SINGLEDUCT:VAV:REHEAT | 0.5223 | 0.5223 | 0.2089 | 0.1038 | 0.0000 | 1.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 1.0000 |
| SPACE4-1 | VAV SYS 1 | AIRTERMINAL:SINGLEDUCT:VAV:REHEAT | 0.3118 | 0.3118 | 0.1247 | 0.0472 | 0.0000 | 1.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 1.0000 |
| SPACE5-1 | VAV SYS 1 | AIRTERMINAL:SINGLEDUCT:VAV:REHEAT | 0.2952 | 0.2952 | 0.1181 | 0.1888 | 0.0000 | 1.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 1.0000 |

**System Ventilation Calculations for Cooling Design**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Sum of Zone Primary Airflow - Vpz-sum [m3/s] | System Primary Airflow - Vps [m3/s] | Sum of Zone Discharge Airflow - Vdz-sum [m3/s] | Sum of Min Zone Primary Airflow - Vpz-min [m3/s] | Zone Outdoor Airflow Cooling - Voz-clg [m3/s] | Zone Ventilation Efficiency - Evz-min |
| VAV SYS 1 | 1.5455 | 1.5455 | 1.5455 | 0.6182 | 0.4909 | 1.0000 |

**Zone Ventilation Calculations for Heating Design**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | AirLoop Name | Box Type | Zone Primary Airflow - Vpz [m3/s] | Zone Discharge Airflow - Vdz [m3/s] | Minimum Zone Primary Airflow - Vpz-min [m3/s] | Zone Outdoor Airflow Heating - Voz-htg [m3/s] | Primary Outdoor Air Fraction - Zpz | Primary Air Fraction - Ep | Secondary Recirculation Fraction- Er | Supply Air Fraction- Fa | Mixed Air Fraction - Fb | Outdoor Air Fraction - Fc | Zone Ventilation Efficiency - Evz |
| SPACE1-1 | VAV SYS 1 | AIRTERMINAL:SINGLEDUCT:VAV:REHEAT | 0.2015 | 0.2015 | 0.1061 | 0.1038 | 0.6607 | 1.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 1.0000 |
| SPACE2-1 | VAV SYS 1 | AIRTERMINAL:SINGLEDUCT:VAV:REHEAT | 0.1416 | 0.1416 | 0.0604 | 0.0472 | 0.7134 | 1.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 1.0000 |
| SPACE3-1 | VAV SYS 1 | AIRTERMINAL:SINGLEDUCT:VAV:REHEAT | 0.2089 | 0.2089 | 0.2089 | 0.1038 | 0.6797 | 1.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 1.0000 |
| SPACE4-1 | VAV SYS 1 | AIRTERMINAL:SINGLEDUCT:VAV:REHEAT | 0.1416 | 0.1416 | 0.1247 | 0.0472 | 0.7134 | 1.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 1.0000 |
| SPACE5-1 | VAV SYS 1 | AIRTERMINAL:SINGLEDUCT:VAV:REHEAT | 0.2952 | 0.2952 | 0.1181 | 0.1888 | 1.0000 | 1.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 1.0000 |

**System Ventilation Calculations for Heating Design**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Sum of Zone Primary Airflow - Vpz-sum [m3/s] | System Primary Airflow - Vps [m3/s] | Sum of Zone Discharge Airflow - Vdz-sum [m3/s] | Sum of Min Zone Primary Airflow - Vpz-min [m3/s] | Zone Outdoor Airflow Heating - Voz-htg [m3/s] | Zone Ventilation Efficiency - Evz-min |
| VAV SYS 1 | 0.9887 | 0.6182 | 0.6182 | 0.6182 | 0.4909 | 1.0000 |

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Report: **LEED Summary**

For: **Entire Facility**

Timestamp: **2019-06-19 07:53:09**

**Sec1.1A-General Information**

|  |  |
| --- | --- |
|  | Data |
| Weather File | RUNPERIOD 1 \*\* TENA - - MN7 WMO#=999 |
| Total gross floor area [m2] | 927.20 |
| Principal Heating Source | Natural Gas |

**EAp2-1. Space Usage Type**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Space Area [m2] | Regularly Occupied Area [m2] | Unconditioned Area [m2] | Typical Hours/Week in Operation [hr/wk] |
| SPACE1-1 | 99.16 | 99.16 | 0.00 | 55.06 |
| SPACE2-1 | 42.73 | 42.73 | 0.00 | 55.06 |
| SPACE3-1 | 96.48 | 96.48 | 0.00 | 55.06 |
| SPACE4-1 | 42.73 | 42.73 | 0.00 | 55.06 |
| SPACE5-1 | 182.49 | 182.49 | 0.00 | 55.06 |
| PLENUM-1 | 463.60 | 463.60 | 0.00 | 0.00 |
| Totals | 927.20 | 927.20 | 0.00 |  |

**EAp2-2. Advisory Messages**

|  |  |
| --- | --- |
|  | Data |
| Number of hours heating loads not met | 0.00 |
| Number of hours cooling loads not met | 273.00 |
| Number of hours not met | 273.00 |

**EAp2-3. Energy Type Summary**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Utility Rate | Virtual Rate [$/unit energy] | Units of Energy | Units of Demand |
| Electricity | EXAMPLED EXAMPLEI-SELL | 0.053 | kWh | kW |
| Natural Gas | EXAMPLEA-GAS | 0.601 | Therm | Therm/Hr |
| Other | WATER TARIFF | 7.000 |  | /Hr |

**EAp2-4/5. Performance Rating Method Compliance**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Electric Energy Use [kWh] | Electric Demand [W] | Natural Gas Energy Use [kWh] | Natural Gas Demand [W] | Additional Fuel Use [kWh] | Additional Fuel Demand [W] | District Cooling Use [kWh] | District Cooling Demand [W] | District Heating Use [kWh] | District Heating Demand [W] |
| Heating -- Boiler | 0.00 | 0.00 | 6885.66 | 25979.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Heating -- Boiler Parasitic | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Cooling -- General | 12487.97 | 7499.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Interior Lighting -- GeneralLights | 22566.39 | 7500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Exterior Lighting -- Not Subdivided | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Interior Equipment -- General | 13249.21 | 4500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Exterior Equipment -- Not Subdivided | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fans -- General | 2297.66 | 853.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pumps -- General | 643.31 | 310.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Heat Rejection -- Not Subdivided | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Humidification -- Not Subdivided | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Heat Recovery -- Not Subdivided | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Water Systems -- Bathrooms | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4852.10 | 1582.55 |
| Water Systems -- Kitchen Sink | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4621.05 | 3165.10 |
| Refrigeration -- Not Subdivided | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Generators -- Not Subdivided | 0.00 | 0.00 | 45512.33 | 5467.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

**EAp2-6. Energy Use Summary**

|  |  |  |
| --- | --- | --- |
|  | Process Subtotal [kWh] | Total Energy Use [kWh] |
| Electricity | 13249.21 | 51244.54 |
| Natural Gas | 0.00 | 52397.99 |
| Total | 13249.21 | 113115.68 |
| Additional | 0.00 | 9473.14 |

**EAp2-7. Energy Cost Summary**

|  |  |  |
| --- | --- | --- |
|  | Process Subtotal [$] | Total Energy Cost [$] |
| Electricity | 570.73 | 2207.45 |
| Natural Gas | 0.00 | 1073.95 |
| Other |  | 1671.53 |
| Total | 570.73 | 4952.93 |
| Additional | 0.00 |  |

*Process energy cost based on ratio of process to total energy.*   
  
**L-1. Renewable Energy Source Summary**

|  |  |  |
| --- | --- | --- |
|  | Rated Capacity [kW] | Annual Energy Generated [kWh] |
| Photovoltaic | 0.00 | 0.00 |
| Wind | 0.00 | 0.00 |

**EAp2-17a. Energy Use Intensity - Electricity**

|  |  |
| --- | --- |
|  | Electricty [kWh/m2] |
| Interior Lighting (All) | 24.34 |
| Space Heating | 0.00 |
| Space Cooling | 13.47 |
| Fans (All) | 2.48 |
| Service Water Heating | 0.00 |
| Receptacle Equipment | 14.29 |
| Miscellaneous (All) | 55.27 |
| Subtotal | 55.27 |

**EAp2-17b. Energy Use Intensity - Natural Gas**

|  |  |
| --- | --- |
|  | Natural Gas [kWh/m2] |
| Space Heating | 7.43 |
| Service Water Heating | 0.00 |
| Miscellaneous (All) | 56.51 |
| Subtotal | 56.51 |

**EAp2-17c. Energy Use Intensity - Additional**

|  |  |
| --- | --- |
|  | Additional [kWh/m2] |
| Subtotal | 0.00 |
| Miscellaneous | 0.00 |

**EAp2-18. End Use Percentage**

|  |  |
| --- | --- |
|  | Percent [%] |
| Interior Lighting (All) | 19.95 |
| Space Heating | 6.09 |
| Space Cooling | 11.04 |
| Fans (All) | 2.03 |
| Service Water Heating | 8.37 |
| Receptacle Equipment | 11.71 |
| Miscellaneous | 40.80 |

**Schedules-Equivalent Full Load Hours (Schedule Type=Fraction)**

|  |  |  |
| --- | --- | --- |
|  | Equivalent Full Load Hours of Operation Per Year [hr] | Hours > 1% [hr] |
| OCCUPY-1 | 2479. | 2871. |
| LIGHTS-1 | 3009. | 8760. |
| EQUIP-1 | 2650. | 8760. |
| INFIL-SCH | 3624. | 3624. |
| SHADETRANSSCH | 0. | 0. |
| MIN OA SCHED | 3245. | 8760. |
| FANAVAILSCHED | 6202. | 6202. |
| COOLINGCOILAVAILSCHED | 3654. | 3654. |
| COOLINGPUMPAVAILSCHED | 8760. | 8760. |
| REHEATCOILAVAILSCHED | 3654. | 3654. |
| PLANTONSCHED | 8760. | 8760. |

**Schedules-SetPoints (Schedule Type=Temperature)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | First Object Used | Month Assumed | 11am First Wednesday [C] | Days with Same 11am Value | 11pm First Wednesday [C] | Days with Same 11pm Value |
| HTG-SETP-SCH | HEATINGSETPOINT | July | 22.20 | 365 | 16.70 | 365 |
| PLENUMHTG-SETP-SCH | PLENUMHEATINGSETPOINT | July | 12.80 | 365 | 12.80 | 365 |
| CLG-SETP-SCH | COOLINGSETPOINT | January | 23.90 | 365 | 29.40 | 365 |
| PLENUMCLG-SETP-SCH | PLENUMCOOLINGSETPOINT | January | 40.00 | 365 | 40.00 | 365 |

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Report: **ZONE COOLING SUMMARY**

For: **PLENUM-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | ZONE AIR SYSTEM SENSIBLE COOLING ENERGY [kWh] | ZONE AIR SYSTEM SENSIBLE COOLING RATE {Maximum}[W] | ZONE AIR SYSTEM SENSIBLE COOLING RATE {TIMESTAMP} | SITE OUTDOOR AIR DRYBULB TEMPERATURE {AT MAX/MIN} [C] | SITE OUTDOOR AIR WETBULB TEMPERATURE {AT MAX/MIN} [C] | ZONE TOTAL INTERNAL LATENT GAIN ENERGY [kWh] | ZONE TOTAL INTERNAL LATENT GAIN ENERGY {Maximum}[W] | ZONE TOTAL INTERNAL LATENT GAIN ENERGY {TIMESTAMP} | SITE OUTDOOR AIR DRYBULB TEMPERATURE {AT MAX/MIN} [C] | SITE OUTDOOR AIR WETBULB TEMPERATURE {AT MAX/MIN} [C] |
| January | 261.27 | 3648.48 | 04-JAN-16:00 | 31.00 | 21.30 | 0.00 | 0.00 | 01-JAN-00:15 | 25.55 | 23.31 |
| February | 252.65 | 3300.76 | 08-FEB-16:00 | 28.10 | 19.38 | 0.00 | 0.00 | 01-FEB-00:15 | 23.22 | 18.57 |
| March | 257.41 | 3516.08 | 05-MAR-16:00 | 28.30 | 21.19 | 0.00 | 0.00 | 01-MAR-00:15 | 24.35 | 22.30 |
| April | 289.80 | 3047.85 | 08-APR-16:00 | 30.60 | 20.97 | 0.00 | 0.00 | 01-APR-00:15 | 24.55 | 20.48 |
| May | 245.28 | 3242.25 | 20-MAY-16:00 | 31.50 | 20.62 | 0.00 | 0.00 | 01-MAY-00:15 | 21.03 | 18.69 |
| June | 237.99 | 2840.03 | 25-JUN-16:00 | 29.20 | 19.47 | 0.00 | 0.00 | 01-JUN-00:15 | 22.65 | 20.45 |
| July | 233.73 | 2392.95 | 17-JUL-16:00 | 26.50 | 18.81 | 0.00 | 0.00 | 01-JUL-00:15 | 21.40 | 19.20 |
| August | 237.60 | 3154.90 | 30-AUG-16:00 | 28.60 | 18.61 | 0.00 | 0.00 | 01-AUG-00:15 | 20.90 | 19.84 |
| September | 266.33 | 2974.70 | 03-SEP-16:00 | 28.30 | 20.09 | 0.00 | 0.00 | 01-SEP-00:15 | 21.65 | 19.88 |
| October | 296.57 | 3324.24 | 18-OCT-16:00 | 28.60 | 20.90 | 0.00 | 0.00 | 01-OCT-00:15 | 20.52 | 18.15 |
| November | 252.84 | 3723.81 | 07-NOV-15:45 | 28.60 | 17.90 | 0.00 | 0.00 | 01-NOV-00:15 | 18.32 | 15.04 |
| December | 254.75 | 3273.56 | 20-DEC-15:45 | 30.47 | 19.84 | 0.00 | 0.00 | 01-DEC-00:15 | 21.05 | 17.81 |
|  |  |  |  |  |  |  |  |  |  |  |
| Annual Sum or Average | 3086.22 |  |  |  |  | 0.00 |  |  |  |  |
| Minimum of Months | 233.73 | 2392.95 |  | 26.50 | 17.90 | 0.00 | 0.00 |  | 18.32 | 15.04 |
| Maximum of Months | 296.57 | 3723.81 |  | 31.50 | 21.30 | 0.00 | 0.00 |  | 25.55 | 23.31 |

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Report: **ZONE COOLING SUMMARY**

For: **SPACE1-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | ZONE AIR SYSTEM SENSIBLE COOLING ENERGY [kWh] | ZONE AIR SYSTEM SENSIBLE COOLING RATE {Maximum}[W] | ZONE AIR SYSTEM SENSIBLE COOLING RATE {TIMESTAMP} | SITE OUTDOOR AIR DRYBULB TEMPERATURE {AT MAX/MIN} [C] | SITE OUTDOOR AIR WETBULB TEMPERATURE {AT MAX/MIN} [C] | ZONE TOTAL INTERNAL LATENT GAIN ENERGY [kWh] | ZONE TOTAL INTERNAL LATENT GAIN ENERGY {Maximum}[W] | ZONE TOTAL INTERNAL LATENT GAIN ENERGY {TIMESTAMP} | SITE OUTDOOR AIR DRYBULB TEMPERATURE {AT MAX/MIN} [C] | SITE OUTDOOR AIR WETBULB TEMPERATURE {AT MAX/MIN} [C] |
| January | 410.48 | 2917.33 | 04-JAN-17:30 | 29.45 | 20.76 | 112.39 | 604.09 | 04-JAN-17:45 | 29.13 | 20.83 |
| February | 361.53 | 2578.71 | 08-FEB-17:15 | 27.12 | 19.28 | 97.53 | 545.94 | 08-FEB-17:30 | 26.85 | 19.19 |
| March | 369.35 | 2434.18 | 05-MAR-17:30 | 27.00 | 20.26 | 102.53 | 523.23 | 18-MAR-14:15 | 27.25 | 22.97 |
| April | 416.17 | 2455.18 | 10-APR-15:00 | 30.60 | 21.77 | 106.23 | 523.23 | 24-APR-14:15 | 27.92 | 21.05 |
| May | 409.88 | 2418.36 | 02-MAY-14:45 | 30.35 | 20.98 | 110.40 | 523.22 | 07-MAY-17:45 | 26.75 | 18.87 |
| June | 360.25 | 2243.38 | 25-JUN-15:00 | 29.40 | 19.63 | 96.47 | 523.23 | 13-JUN-14:30 | 26.80 | 19.65 |
| July | 409.97 | 2292.55 | 29-JUL-14:30 | 28.10 | 21.89 | 110.73 | 523.23 | 24-JUL-14:30 | 26.20 | 19.99 |
| August | 405.66 | 2434.15 | 19-AUG-14:45 | 29.55 | 19.79 | 106.10 | 523.23 | 14-AUG-14:15 | 28.47 | 18.91 |
| September | 409.56 | 2525.29 | 19-SEP-17:30 | 24.60 | 18.78 | 101.22 | 523.23 | 19-SEP-14:15 | 26.45 | 18.72 |
| October | 430.82 | 2542.73 | 30-OCT-16:45 | 26.38 | 18.44 | 112.42 | 539.88 | 30-OCT-16:00 | 26.20 | 18.39 |
| November | 383.27 | 2664.85 | 15-NOV-16:45 | 27.60 | 18.89 | 102.81 | 560.59 | 15-NOV-16:00 | 27.30 | 18.74 |
| December | 413.06 | 2883.33 | 20-DEC-17:30 | 28.80 | 18.76 | 108.14 | 598.27 | 20-DEC-17:45 | 28.45 | 18.59 |
|  |  |  |  |  |  |  |  |  |  |  |
| Annual Sum or Average | 4779.99 |  |  |  |  | 1266.97 |  |  |  |  |
| Minimum of Months | 360.25 | 2243.38 |  | 24.60 | 18.44 | 96.47 | 523.22 |  | 26.20 | 18.39 |
| Maximum of Months | 430.82 | 2917.33 |  | 30.60 | 21.89 | 112.42 | 604.09 |  | 29.13 | 22.97 |

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Report: **ZONE COOLING SUMMARY**

For: **SPACE2-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | ZONE AIR SYSTEM SENSIBLE COOLING ENERGY [kWh] | ZONE AIR SYSTEM SENSIBLE COOLING RATE {Maximum}[W] | ZONE AIR SYSTEM SENSIBLE COOLING RATE {TIMESTAMP} | SITE OUTDOOR AIR DRYBULB TEMPERATURE {AT MAX/MIN} [C] | SITE OUTDOOR AIR WETBULB TEMPERATURE {AT MAX/MIN} [C] | ZONE TOTAL INTERNAL LATENT GAIN ENERGY [kWh] | ZONE TOTAL INTERNAL LATENT GAIN ENERGY {Maximum}[W] | ZONE TOTAL INTERNAL LATENT GAIN ENERGY {TIMESTAMP} | SITE OUTDOOR AIR DRYBULB TEMPERATURE {AT MAX/MIN} [C] | SITE OUTDOOR AIR WETBULB TEMPERATURE {AT MAX/MIN} [C] |
| January | 245.66 | 1883.41 | 23-JAN-10:30 | 27.85 | 20.18 | 52.00 | 306.65 | 23-JAN-10:45 | 28.33 | 20.26 |
| February | 222.33 | 1754.49 | 22-FEB-10:30 | 29.55 | 22.51 | 45.05 | 287.76 | 22-FEB-10:45 | 30.02 | 22.60 |
| March | 228.89 | 1747.51 | 18-MAR-10:15 | 28.33 | 23.30 | 47.39 | 286.83 | 18-MAR-10:30 | 28.55 | 23.38 |
| April | 249.03 | 1939.82 | 02-APR-10:15 | 24.95 | 19.12 | 48.54 | 241.56 | 02-APR-10:30 | 25.40 | 19.15 |
| May | 231.21 | 1500.02 | 20-MAY-09:45 | 26.65 | 20.06 | 50.12 | 237.83 | 20-MAY-09:15 | 25.75 | 20.11 |
| June | 206.88 | 1316.99 | 12-JUN-10:15 | 23.43 | 17.04 | 44.12 | 237.83 | 13-JUN-14:30 | 26.80 | 19.65 |
| July | 238.11 | 1473.00 | 12-JUL-10:30 | 25.45 | 19.59 | 50.61 | 237.83 | 22-JUL-09:30 | 23.25 | 17.25 |
| August | 238.21 | 1774.01 | 30-AUG-09:45 | 23.17 | 16.88 | 48.50 | 237.83 | 14-AUG-14:15 | 28.47 | 18.91 |
| September | 250.87 | 1935.05 | 30-SEP-09:45 | 22.90 | 17.29 | 46.33 | 240.93 | 30-SEP-09:00 | 23.40 | 17.06 |
| October | 275.15 | 1726.78 | 11-OCT-09:45 | 24.45 | 19.01 | 52.49 | 283.90 | 11-OCT-09:00 | 24.90 | 18.81 |
| November | 247.79 | 1760.64 | 07-NOV-09:53 | 23.40 | 16.12 | 48.12 | 289.47 | 07-NOV-09:00 | 23.40 | 16.12 |
| December | 245.08 | 1847.53 | 10-DEC-10:15 | 27.63 | 18.80 | 50.08 | 301.41 | 10-DEC-10:30 | 28.05 | 18.95 |
|  |  |  |  |  |  |  |  |  |  |  |
| Annual Sum or Average | 2879.21 |  |  |  |  | 583.34 |  |  |  |  |
| Minimum of Months | 206.88 | 1316.99 |  | 22.90 | 16.12 | 44.12 | 237.83 |  | 23.25 | 16.12 |
| Maximum of Months | 275.15 | 1939.82 |  | 29.55 | 23.30 | 52.49 | 306.65 |  | 30.02 | 23.38 |

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Report: **ZONE COOLING SUMMARY**

For: **SPACE3-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | ZONE AIR SYSTEM SENSIBLE COOLING ENERGY [kWh] | ZONE AIR SYSTEM SENSIBLE COOLING RATE {Maximum}[W] | ZONE AIR SYSTEM SENSIBLE COOLING RATE {TIMESTAMP} | SITE OUTDOOR AIR DRYBULB TEMPERATURE {AT MAX/MIN} [C] | SITE OUTDOOR AIR WETBULB TEMPERATURE {AT MAX/MIN} [C] | ZONE TOTAL INTERNAL LATENT GAIN ENERGY [kWh] | ZONE TOTAL INTERNAL LATENT GAIN ENERGY {Maximum}[W] | ZONE TOTAL INTERNAL LATENT GAIN ENERGY {TIMESTAMP} | SITE OUTDOOR AIR DRYBULB TEMPERATURE {AT MAX/MIN} [C] | SITE OUTDOOR AIR WETBULB TEMPERATURE {AT MAX/MIN} [C] |
| January | 472.72 | 2613.97 | 23-JAN-14:30 | 29.50 | 20.30 | 108.02 | 523.23 | 16-JAN-14:15 | 27.60 | 19.02 |
| February | 432.74 | 2674.54 | 22-FEB-14:15 | 30.60 | 22.80 | 94.90 | 523.23 | 04-FEB-14:15 | 25.30 | 19.22 |
| March | 479.65 | 3612.58 | 27-MAR-10:30 | 28.50 | 23.66 | 100.31 | 523.23 | 01-MAR-14:15 | 26.75 | 23.72 |
| April | 606.29 | 4294.09 | 22-APR-10:30 | 26.75 | 20.88 | 100.88 | 523.22 | 22-APR-10:30 | 26.75 | 20.88 |
| May | 632.88 | 4778.51 | 21-MAY-10:30 | 27.30 | 19.91 | 103.99 | 523.22 | 21-MAY-09:30 | 25.80 | 20.07 |
| June | 611.76 | 5213.34 | 12-JUN-10:30 | 23.75 | 17.27 | 93.13 | 523.23 | 26-JUN-14:15 | 26.75 | 20.27 |
| July | 675.97 | 5496.50 | 12-JUL-10:30 | 25.45 | 19.59 | 106.14 | 523.23 | 17-JUL-14:15 | 26.45 | 18.81 |
| August | 618.70 | 5267.66 | 01-AUG-10:30 | 24.60 | 20.01 | 100.90 | 523.22 | 30-AUG-10:30 | 24.60 | 17.26 |
| September | 555.98 | 3790.89 | 09-SEP-10:30 | 23.90 | 19.46 | 95.54 | 523.22 | 09-SEP-10:30 | 23.90 | 19.46 |
| October | 506.00 | 2551.38 | 03-OCT-10:45 | 22.50 | 16.49 | 109.91 | 523.24 | 28-OCT-14:30 | 23.40 | 18.27 |
| November | 433.10 | 2494.27 | 11-NOV-14:15 | 29.55 | 21.31 | 99.10 | 523.25 | 15-NOV-15:15 | 28.80 | 19.11 |
| December | 447.13 | 2453.15 | 10-DEC-14:15 | 28.25 | 18.77 | 103.22 | 523.24 | 13-DEC-14:30 | 29.10 | 19.29 |
|  |  |  |  |  |  |  |  |  |  |  |
| Annual Sum or Average | 6472.91 |  |  |  |  | 1216.06 |  |  |  |  |
| Minimum of Months | 432.74 | 2453.15 |  | 22.50 | 16.49 | 93.13 | 523.22 |  | 23.40 | 17.26 |
| Maximum of Months | 675.97 | 5496.50 |  | 30.60 | 23.66 | 109.91 | 523.25 |  | 29.10 | 23.72 |

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Report: **ZONE COOLING SUMMARY**

For: **SPACE4-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | ZONE AIR SYSTEM SENSIBLE COOLING ENERGY [kWh] | ZONE AIR SYSTEM SENSIBLE COOLING RATE {Maximum}[W] | ZONE AIR SYSTEM SENSIBLE COOLING RATE {TIMESTAMP} | SITE OUTDOOR AIR DRYBULB TEMPERATURE {AT MAX/MIN} [C] | SITE OUTDOOR AIR WETBULB TEMPERATURE {AT MAX/MIN} [C] | ZONE TOTAL INTERNAL LATENT GAIN ENERGY [kWh] | ZONE TOTAL INTERNAL LATENT GAIN ENERGY {Maximum}[W] | ZONE TOTAL INTERNAL LATENT GAIN ENERGY {TIMESTAMP} | SITE OUTDOOR AIR DRYBULB TEMPERATURE {AT MAX/MIN} [C] | SITE OUTDOOR AIR WETBULB TEMPERATURE {AT MAX/MIN} [C] |
| January | 261.01 | 1878.98 | 25-JAN-17:00 | 27.20 | 20.08 | 47.35 | 237.83 | 30-JAN-17:00 | 28.10 | 19.75 |
| February | 230.82 | 1743.88 | 08-FEB-16:30 | 27.75 | 19.38 | 41.65 | 237.83 | 08-FEB-17:00 | 26.30 | 19.00 |
| March | 245.48 | 2299.66 | 05-MAR-16:30 | 27.95 | 20.72 | 43.74 | 237.83 | 12-MAR-17:00 | 25.80 | 21.77 |
| April | 327.35 | 2664.64 | 15-APR-16:30 | 29.70 | 20.56 | 44.13 | 237.82 | 23-APR-17:00 | 27.10 | 21.02 |
| May | 329.32 | 2917.93 | 20-MAY-16:30 | 31.10 | 20.64 | 45.77 | 237.83 | 07-MAY-16:45 | 27.70 | 18.53 |
| June | 311.78 | 2808.97 | 25-JUN-16:30 | 28.80 | 19.55 | 40.48 | 237.82 | 06-JUN-17:00 | 24.20 | 18.05 |
| July | 337.70 | 2691.20 | 22-JUL-16:30 | 28.40 | 20.82 | 46.18 | 237.82 | 01-JUL-16:30 | 25.75 | 18.95 |
| August | 336.79 | 2800.06 | 20-AUG-16:30 | 28.75 | 20.09 | 44.30 | 237.82 | 08-AUG-17:00 | 24.60 | 18.71 |
| September | 319.43 | 2669.98 | 05-SEP-16:30 | 28.40 | 20.46 | 42.52 | 237.82 | 27-SEP-17:00 | 24.40 | 19.15 |
| October | 295.45 | 2445.14 | 07-OCT-16:00 | 26.80 | 19.05 | 48.33 | 237.84 | 04-OCT-17:15 | 25.45 | 17.26 |
| November | 247.72 | 2086.90 | 13-NOV-16:00 | 28.20 | 18.29 | 43.54 | 237.84 | 15-NOV-16:15 | 28.20 | 19.17 |
| December | 252.37 | 1741.88 | 17-DEC-16:45 | 29.25 | 19.36 | 45.51 | 237.84 | 12-DEC-17:00 | 27.90 | 18.46 |
|  |  |  |  |  |  |  |  |  |  |  |
| Annual Sum or Average | 3495.23 |  |  |  |  | 533.50 |  |  |  |  |
| Minimum of Months | 230.82 | 1741.88 |  | 26.80 | 18.29 | 40.48 | 237.82 |  | 24.20 | 17.26 |
| Maximum of Months | 337.70 | 2917.93 |  | 31.10 | 20.82 | 48.33 | 237.84 |  | 28.20 | 21.77 |

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Report: **ZONE COOLING SUMMARY**

For: **SPACE5-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | ZONE AIR SYSTEM SENSIBLE COOLING ENERGY [kWh] | ZONE AIR SYSTEM SENSIBLE COOLING RATE {Maximum}[W] | ZONE AIR SYSTEM SENSIBLE COOLING RATE {TIMESTAMP} | SITE OUTDOOR AIR DRYBULB TEMPERATURE {AT MAX/MIN} [C] | SITE OUTDOOR AIR WETBULB TEMPERATURE {AT MAX/MIN} [C] | ZONE TOTAL INTERNAL LATENT GAIN ENERGY [kWh] | ZONE TOTAL INTERNAL LATENT GAIN ENERGY {Maximum}[W] | ZONE TOTAL INTERNAL LATENT GAIN ENERGY {TIMESTAMP} | SITE OUTDOOR AIR DRYBULB TEMPERATURE {AT MAX/MIN} [C] | SITE OUTDOOR AIR WETBULB TEMPERATURE {AT MAX/MIN} [C] |
| January | 434.40 | 2382.76 | 10-JAN-15:00 | 28.60 | 20.71 | 204.09 | 951.35 | 07-JAN-09:00 | 24.60 | 18.23 |
| February | 383.79 | 2409.97 | 27-FEB-15:00 | 31.00 | 23.28 | 177.49 | 951.35 | 08-FEB-09:00 | 23.40 | 17.98 |
| March | 412.39 | 2432.63 | 21-MAR-15:00 | 29.10 | 22.58 | 186.61 | 951.35 | 11-MAR-09:00 | 23.60 | 19.34 |
| April | 465.80 | 2497.49 | 08-APR-15:00 | 30.80 | 20.93 | 194.53 | 951.33 | 22-APR-09:00 | 26.00 | 20.71 |
| May | 481.92 | 2573.70 | 20-MAY-15:00 | 31.70 | 20.33 | 203.38 | 951.32 | 01-MAY-09:00 | 25.30 | 21.61 |
| June | 440.10 | 2567.76 | 25-JUN-15:00 | 29.40 | 19.63 | 177.10 | 951.33 | 06-JUN-09:00 | 22.70 | 18.53 |
| July | 505.07 | 2561.16 | 17-JUL-15:00 | 26.60 | 19.07 | 203.74 | 951.32 | 29-JUL-09:00 | 24.20 | 20.17 |
| August | 494.68 | 2647.10 | 19-AUG-15:00 | 29.60 | 19.78 | 195.04 | 951.32 | 30-AUG-09:00 | 23.70 | 17.00 |
| September | 475.44 | 2662.94 | 03-SEP-15:00 | 28.50 | 20.07 | 186.22 | 951.33 | 23-SEP-09:00 | 22.40 | 17.83 |
| October | 486.97 | 2527.89 | 11-OCT-15:00 | 29.70 | 20.85 | 204.88 | 951.34 | 29-OCT-09:00 | 22.30 | 19.92 |
| November | 433.04 | 2549.62 | 11-NOV-15:00 | 29.70 | 21.43 | 186.84 | 951.37 | 12-NOV-17:15 | 23.30 | 18.52 |
| December | 432.44 | 2543.78 | 12-DEC-15:00 | 30.70 | 18.92 | 195.46 | 951.35 | 11-DEC-09:00 | 23.70 | 18.24 |
|  |  |  |  |  |  |  |  |  |  |  |
| Annual Sum or Average | 5446.04 |  |  |  |  | 2315.38 |  |  |  |  |
| Minimum of Months | 383.79 | 2382.76 |  | 26.60 | 18.92 | 177.10 | 951.32 |  | 22.30 | 17.00 |
| Maximum of Months | 505.07 | 2662.94 |  | 31.70 | 23.28 | 204.88 | 951.37 |  | 26.00 | 21.61 |

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Report: **ZONE HEATING SUMMARY**

For: **PLENUM-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ZONE AIR SYSTEM SENSIBLE HEATING ENERGY [kWh] | ZONE AIR SYSTEM SENSIBLE HEATING RATE {Maximum}[W] | ZONE AIR SYSTEM SENSIBLE HEATING RATE {TIMESTAMP} | SITE OUTDOOR AIR DRYBULB TEMPERATURE {AT MAX/MIN} [C] |
| January | 74.53 | 1655.66 | 16-JAN-08:04 | 20.15 |
| February | 63.11 | 1637.79 | 15-FEB-08:05 | 19.75 |
| March | 54.25 | 1507.63 | 05-MAR-08:11 | 20.65 |
| April | 54.38 | 1386.12 | 02-APR-08:04 | 21.55 |
| May | 62.51 | 1416.81 | 10-MAY-08:15 | 20.45 |
| June | 63.40 | 1578.03 | 04-JUN-08:15 | 19.17 |
| July | 75.72 | 1666.92 | 16-JUL-08:08 | 18.08 |
| August | 78.93 | 1642.49 | 05-AUG-08:15 | 17.85 |
| September | 76.07 | 1736.95 | 12-SEP-08:04 | 17.90 |
| October | 85.05 | 1728.24 | 02-OCT-08:08 | 17.82 |
| November | 79.42 | 1820.11 | 04-NOV-08:08 | 19.10 |
| December | 76.14 | 1523.41 | 11-DEC-08:04 | 20.58 |
|  |  |  |  |  |
| Annual Sum or Average | 843.51 |  |  |  |
| Minimum of Months | 54.25 | 1386.12 |  | 17.82 |
| Maximum of Months | 85.05 | 1820.11 |  | 21.55 |

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Report: **ZONE HEATING SUMMARY**

For: **SPACE1-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ZONE AIR SYSTEM SENSIBLE HEATING ENERGY [kWh] | ZONE AIR SYSTEM SENSIBLE HEATING RATE {Maximum}[W] | ZONE AIR SYSTEM SENSIBLE HEATING RATE {TIMESTAMP} | SITE OUTDOOR AIR DRYBULB TEMPERATURE {AT MAX/MIN} [C] |
| January | 40.45 | 5636.01 | 16-JAN-06:02 | 17.85 |
| February | 36.04 | 5630.96 | 15-FEB-06:02 | 17.83 |
| March | 33.34 | 5377.21 | 05-MAR-06:03 | 18.63 |
| April | 33.62 | 5123.12 | 02-APR-06:03 | 19.05 |
| May | 32.99 | 5119.55 | 10-MAY-06:03 | 17.88 |
| June | 35.65 | 5175.88 | 17-JUN-06:03 | 16.95 |
| July | 38.49 | 5194.44 | 16-JUL-06:03 | 15.93 |
| August | 37.94 | 5125.66 | 08-AUG-06:03 | 15.85 |
| September | 36.43 | 5170.83 | 12-SEP-06:03 | 15.00 |
| October | 38.92 | 5612.21 | 04-OCT-06:02 | 15.98 |
| November | 37.73 | 5647.30 | 04-NOV-06:02 | 16.05 |
| December | 38.52 | 5617.26 | 13-DEC-06:02 | 17.55 |
|  |  |  |  |  |
| Annual Sum or Average | 440.12 |  |  |  |
| Minimum of Months | 32.99 | 5119.55 |  | 15.00 |
| Maximum of Months | 40.45 | 5647.30 |  | 19.05 |

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Report: **ZONE HEATING SUMMARY**

For: **SPACE2-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ZONE AIR SYSTEM SENSIBLE HEATING ENERGY [kWh] | ZONE AIR SYSTEM SENSIBLE HEATING RATE {Maximum}[W] | ZONE AIR SYSTEM SENSIBLE HEATING RATE {TIMESTAMP} | SITE OUTDOOR AIR DRYBULB TEMPERATURE {AT MAX/MIN} [C] |
| January | 14.09 | 2845.10 | 16-JAN-06:02 | 17.85 |
| February | 12.61 | 2842.70 | 15-FEB-06:02 | 17.83 |
| March | 11.78 | 2682.05 | 05-MAR-06:03 | 18.63 |
| April | 11.60 | 2451.54 | 02-APR-06:03 | 19.05 |
| May | 12.25 | 2451.61 | 10-MAY-06:03 | 17.88 |
| June | 11.87 | 2482.23 | 17-JUN-06:03 | 16.95 |
| July | 12.65 | 2497.21 | 16-JUL-06:03 | 15.93 |
| August | 12.92 | 2454.82 | 08-AUG-06:03 | 15.85 |
| September | 11.72 | 2492.71 | 12-SEP-06:03 | 15.00 |
| October | 8.57 | 2804.06 | 03-OCT-06:02 | 15.87 |
| November | 8.26 | 2753.98 | 13-NOV-06:03 | 18.07 |
| December | 12.62 | 2828.50 | 13-DEC-06:02 | 17.55 |
|  |  |  |  |  |
| Annual Sum or Average | 140.93 |  |  |  |
| Minimum of Months | 8.26 | 2451.54 |  | 15.00 |
| Maximum of Months | 14.09 | 2845.10 |  | 19.05 |

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Report: **ZONE HEATING SUMMARY**

For: **SPACE3-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ZONE AIR SYSTEM SENSIBLE HEATING ENERGY [kWh] | ZONE AIR SYSTEM SENSIBLE HEATING RATE {Maximum}[W] | ZONE AIR SYSTEM SENSIBLE HEATING RATE {TIMESTAMP} | SITE OUTDOOR AIR DRYBULB TEMPERATURE {AT MAX/MIN} [C] |
| January | 35.23 | 4866.48 | 16-JAN-06:02 | 17.85 |
| February | 30.49 | 4861.43 | 15-FEB-06:02 | 17.83 |
| March | 26.48 | 4627.29 | 05-MAR-06:03 | 18.63 |
| April | 24.59 | 4296.11 | 02-APR-06:03 | 19.05 |
| May | 25.55 | 4289.91 | 10-MAY-06:03 | 17.88 |
| June | 24.15 | 4340.66 | 17-JUN-06:03 | 16.95 |
| July | 25.83 | 4363.05 | 16-JUL-06:03 | 15.93 |
| August | 27.56 | 4296.96 | 08-AUG-06:03 | 15.85 |
| September | 26.38 | 4339.63 | 12-SEP-06:03 | 15.00 |
| October | 23.40 | 4823.46 | 03-OCT-06:02 | 15.87 |
| November | 26.97 | 4848.67 | 15-NOV-06:02 | 15.38 |
| December | 33.76 | 4847.72 | 13-DEC-06:02 | 17.55 |
|  |  |  |  |  |
| Annual Sum or Average | 330.39 |  |  |  |
| Minimum of Months | 23.40 | 4289.91 |  | 15.00 |
| Maximum of Months | 35.23 | 4866.48 |  | 19.05 |

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Report: **ZONE HEATING SUMMARY**

For: **SPACE4-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ZONE AIR SYSTEM SENSIBLE HEATING ENERGY [kWh] | ZONE AIR SYSTEM SENSIBLE HEATING RATE {Maximum}[W] | ZONE AIR SYSTEM SENSIBLE HEATING RATE {TIMESTAMP} | SITE OUTDOOR AIR DRYBULB TEMPERATURE {AT MAX/MIN} [C] |
| January | 17.76 | 2199.69 | 16-JAN-06:02 | 17.85 |
| February | 15.76 | 2198.20 | 15-FEB-06:02 | 17.83 |
| March | 14.44 | 2060.58 | 05-MAR-06:03 | 18.63 |
| April | 14.19 | 1779.96 | 02-APR-06:03 | 19.05 |
| May | 13.98 | 1780.16 | 10-MAY-06:03 | 17.88 |
| June | 14.99 | 1804.67 | 17-JUN-06:03 | 16.95 |
| July | 16.17 | 1820.56 | 16-JUL-06:03 | 15.93 |
| August | 15.93 | 1781.90 | 08-AUG-06:03 | 15.85 |
| September | 15.30 | 1816.80 | 12-SEP-06:03 | 15.00 |
| October | 16.55 | 2178.65 | 03-OCT-06:02 | 15.87 |
| November | 16.36 | 2201.24 | 15-NOV-06:02 | 15.38 |
| December | 16.59 | 2182.93 | 13-DEC-06:02 | 17.55 |
|  |  |  |  |  |
| Annual Sum or Average | 188.03 |  |  |  |
| Minimum of Months | 13.98 | 1779.96 |  | 15.00 |
| Maximum of Months | 17.76 | 2201.24 |  | 19.05 |

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Report: **ZONE HEATING SUMMARY**

For: **SPACE5-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ZONE AIR SYSTEM SENSIBLE HEATING ENERGY [kWh] | ZONE AIR SYSTEM SENSIBLE HEATING RATE {Maximum}[W] | ZONE AIR SYSTEM SENSIBLE HEATING RATE {TIMESTAMP} | SITE OUTDOOR AIR DRYBULB TEMPERATURE {AT MAX/MIN} [C] |
| January | 69.82 | 5540.57 | 16-JAN-06:02 | 17.85 |
| February | 61.36 | 5537.22 | 15-FEB-06:02 | 17.83 |
| March | 60.75 | 5267.63 | 05-MAR-06:03 | 18.63 |
| April | 58.56 | 4735.39 | 02-APR-06:03 | 19.05 |
| May | 57.43 | 4684.72 | 10-MAY-06:03 | 17.88 |
| June | 54.40 | 4741.29 | 13-JUN-06:03 | 20.38 |
| July | 57.40 | 4741.67 | 16-JUL-06:03 | 15.93 |
| August | 53.79 | 4680.29 | 02-AUG-06:03 | 18.00 |
| September | 52.16 | 4697.56 | 11-SEP-06:03 | 15.72 |
| October | 60.41 | 5439.79 | 03-OCT-06:02 | 15.87 |
| November | 60.42 | 5495.34 | 04-NOV-06:02 | 16.05 |
| December | 65.28 | 5484.31 | 13-DEC-06:02 | 17.55 |
|  |  |  |  |  |
| Annual Sum or Average | 711.79 |  |  |  |
| Minimum of Months | 52.16 | 4680.29 |  | 15.72 |
| Maximum of Months | 69.82 | 5540.57 |  | 20.38 |

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Report: **ZONE ELECTRIC SUMMARY**

For: **SPACE1-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | ZONE LIGHTS ELECTRIC ENERGY [kWh] | ZONE LIGHTS ELECTRIC ENERGY {Maximum}[W] | ZONE LIGHTS ELECTRIC ENERGY {TIMESTAMP} | ZONE ELECTRIC EQUIPMENT ELECTRIC ENERGY [kWh] | ZONE ELECTRIC EQUIPMENT ELECTRIC ENERGY {Maximum}[W] | ZONE ELECTRIC EQUIPMENT ELECTRIC ENERGY {TIMESTAMP} |
| January | 417.78 | 1584.00 | 01-JAN-10:15 | 240.68 | 950.40 | 01-JAN-09:15 |
| February | 365.27 | 1584.00 | 01-FEB-10:15 | 214.58 | 950.40 | 01-FEB-09:15 |
| March | 386.58 | 1584.00 | 01-MAR-10:15 | 233.42 | 950.40 | 01-MAR-09:15 |
| April | 400.28 | 1584.00 | 01-APR-10:15 | 231.98 | 950.40 | 01-APR-09:15 |
| May | 417.78 | 1584.00 | 01-MAY-10:15 | 240.68 | 950.40 | 01-MAY-09:15 |
| June | 369.07 | 1584.00 | 03-JUN-10:15 | 224.72 | 950.40 | 03-JUN-09:15 |
| July | 417.78 | 1584.00 | 01-JUL-10:15 | 240.68 | 950.40 | 01-JUL-09:15 |
| August | 402.18 | 1584.00 | 01-AUG-10:15 | 237.05 | 950.40 | 01-AUG-09:15 |
| September | 384.67 | 1584.00 | 02-SEP-10:15 | 228.35 | 950.40 | 02-SEP-09:15 |
| October | 417.78 | 1584.00 | 01-OCT-10:15 | 240.68 | 950.40 | 01-OCT-09:15 |
| November | 384.67 | 1584.00 | 01-NOV-10:15 | 228.35 | 950.40 | 01-NOV-09:15 |
| December | 402.18 | 1584.00 | 02-DEC-10:15 | 237.05 | 950.40 | 02-DEC-09:15 |
|  |  |  |  |  |  |  |
| Annual Sum or Average | 4766.02 |  |  | 2798.23 |  |  |
| Minimum of Months | 365.27 | 1584.00 |  | 214.58 | 950.40 |  |
| Maximum of Months | 417.78 | 1584.00 |  | 240.68 | 950.40 |  |

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Report: **ZONE ELECTRIC SUMMARY**

For: **SPACE2-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | ZONE LIGHTS ELECTRIC ENERGY [kWh] | ZONE LIGHTS ELECTRIC ENERGY {Maximum}[W] | ZONE LIGHTS ELECTRIC ENERGY {TIMESTAMP} | ZONE ELECTRIC EQUIPMENT ELECTRIC ENERGY [kWh] | ZONE ELECTRIC EQUIPMENT ELECTRIC ENERGY {Maximum}[W] | ZONE ELECTRIC EQUIPMENT ELECTRIC ENERGY {TIMESTAMP} |
| January | 180.41 | 684.00 | 01-JAN-10:15 | 103.93 | 410.40 | 01-JAN-09:15 |
| February | 157.73 | 684.00 | 01-FEB-10:15 | 92.66 | 410.40 | 01-FEB-09:15 |
| March | 166.93 | 684.00 | 01-MAR-10:15 | 100.79 | 410.40 | 01-MAR-09:15 |
| April | 172.85 | 684.00 | 01-APR-10:15 | 100.17 | 410.40 | 01-APR-09:15 |
| May | 180.41 | 684.00 | 01-MAY-10:15 | 103.93 | 410.40 | 01-MAY-09:15 |
| June | 159.37 | 684.00 | 03-JUN-10:15 | 97.04 | 410.40 | 03-JUN-09:15 |
| July | 180.41 | 684.00 | 01-JUL-10:15 | 103.93 | 410.40 | 01-JUL-09:15 |
| August | 173.67 | 684.00 | 01-AUG-10:15 | 102.36 | 410.40 | 01-AUG-09:15 |
| September | 166.11 | 684.00 | 02-SEP-10:15 | 98.61 | 410.40 | 02-SEP-09:15 |
| October | 180.41 | 684.00 | 01-OCT-10:15 | 103.93 | 410.40 | 01-OCT-09:15 |
| November | 166.11 | 684.00 | 01-NOV-10:15 | 98.61 | 410.40 | 01-NOV-09:15 |
| December | 173.67 | 684.00 | 02-DEC-10:15 | 102.36 | 410.40 | 02-DEC-09:15 |
|  |  |  |  |  |  |  |
| Annual Sum or Average | 2058.05 |  |  | 1208.33 |  |  |
| Minimum of Months | 157.73 | 684.00 |  | 92.66 | 410.40 |  |
| Maximum of Months | 180.41 | 684.00 |  | 103.93 | 410.40 |  |

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Report: **ZONE ELECTRIC SUMMARY**

For: **SPACE3-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | ZONE LIGHTS ELECTRIC ENERGY [kWh] | ZONE LIGHTS ELECTRIC ENERGY {Maximum}[W] | ZONE LIGHTS ELECTRIC ENERGY {TIMESTAMP} | ZONE ELECTRIC EQUIPMENT ELECTRIC ENERGY [kWh] | ZONE ELECTRIC EQUIPMENT ELECTRIC ENERGY {Maximum}[W] | ZONE ELECTRIC EQUIPMENT ELECTRIC ENERGY {TIMESTAMP} |
| January | 417.78 | 1584.00 | 01-JAN-10:15 | 240.68 | 950.40 | 01-JAN-09:15 |
| February | 365.27 | 1584.00 | 01-FEB-10:15 | 214.58 | 950.40 | 01-FEB-09:15 |
| March | 386.58 | 1584.00 | 01-MAR-10:15 | 233.42 | 950.40 | 01-MAR-09:15 |
| April | 400.28 | 1584.00 | 01-APR-10:15 | 231.98 | 950.40 | 01-APR-09:15 |
| May | 417.78 | 1584.00 | 01-MAY-10:15 | 240.68 | 950.40 | 01-MAY-09:15 |
| June | 369.07 | 1584.00 | 03-JUN-10:15 | 224.72 | 950.40 | 03-JUN-09:15 |
| July | 417.78 | 1584.00 | 01-JUL-10:15 | 240.68 | 950.40 | 01-JUL-09:15 |
| August | 402.18 | 1584.00 | 01-AUG-10:15 | 237.05 | 950.40 | 01-AUG-09:15 |
| September | 384.67 | 1584.00 | 02-SEP-10:15 | 228.35 | 950.40 | 02-SEP-09:15 |
| October | 417.78 | 1584.00 | 01-OCT-10:15 | 240.68 | 950.40 | 01-OCT-09:15 |
| November | 384.67 | 1584.00 | 01-NOV-10:15 | 228.35 | 950.40 | 01-NOV-09:15 |
| December | 402.18 | 1584.00 | 02-DEC-10:15 | 237.05 | 950.40 | 02-DEC-09:15 |
|  |  |  |  |  |  |  |
| Annual Sum or Average | 4766.02 |  |  | 2798.23 |  |  |
| Minimum of Months | 365.27 | 1584.00 |  | 214.58 | 950.40 |  |
| Maximum of Months | 417.78 | 1584.00 |  | 240.68 | 950.40 |  |

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Report: **ZONE ELECTRIC SUMMARY**

For: **SPACE4-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | ZONE LIGHTS ELECTRIC ENERGY [kWh] | ZONE LIGHTS ELECTRIC ENERGY {Maximum}[W] | ZONE LIGHTS ELECTRIC ENERGY {TIMESTAMP} | ZONE ELECTRIC EQUIPMENT ELECTRIC ENERGY [kWh] | ZONE ELECTRIC EQUIPMENT ELECTRIC ENERGY {Maximum}[W] | ZONE ELECTRIC EQUIPMENT ELECTRIC ENERGY {TIMESTAMP} |
| January | 180.41 | 684.00 | 01-JAN-10:15 | 103.93 | 410.40 | 01-JAN-09:15 |
| February | 157.73 | 684.00 | 01-FEB-10:15 | 92.66 | 410.40 | 01-FEB-09:15 |
| March | 166.93 | 684.00 | 01-MAR-10:15 | 100.79 | 410.40 | 01-MAR-09:15 |
| April | 172.85 | 684.00 | 01-APR-10:15 | 100.17 | 410.40 | 01-APR-09:15 |
| May | 180.41 | 684.00 | 01-MAY-10:15 | 103.93 | 410.40 | 01-MAY-09:15 |
| June | 159.37 | 684.00 | 03-JUN-10:15 | 97.04 | 410.40 | 03-JUN-09:15 |
| July | 180.41 | 684.00 | 01-JUL-10:15 | 103.93 | 410.40 | 01-JUL-09:15 |
| August | 173.67 | 684.00 | 01-AUG-10:15 | 102.36 | 410.40 | 01-AUG-09:15 |
| September | 166.11 | 684.00 | 02-SEP-10:15 | 98.61 | 410.40 | 02-SEP-09:15 |
| October | 180.41 | 684.00 | 01-OCT-10:15 | 103.93 | 410.40 | 01-OCT-09:15 |
| November | 166.11 | 684.00 | 01-NOV-10:15 | 98.61 | 410.40 | 01-NOV-09:15 |
| December | 173.67 | 684.00 | 02-DEC-10:15 | 102.36 | 410.40 | 02-DEC-09:15 |
|  |  |  |  |  |  |  |
| Annual Sum or Average | 2058.05 |  |  | 1208.33 |  |  |
| Minimum of Months | 157.73 | 684.00 |  | 92.66 | 410.40 |  |
| Maximum of Months | 180.41 | 684.00 |  | 103.93 | 410.40 |  |

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Report: **ZONE ELECTRIC SUMMARY**

For: **SPACE5-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | ZONE LIGHTS ELECTRIC ENERGY [kWh] | ZONE LIGHTS ELECTRIC ENERGY {Maximum}[W] | ZONE LIGHTS ELECTRIC ENERGY {TIMESTAMP} | ZONE ELECTRIC EQUIPMENT ELECTRIC ENERGY [kWh] | ZONE ELECTRIC EQUIPMENT ELECTRIC ENERGY {Maximum}[W] | ZONE ELECTRIC EQUIPMENT ELECTRIC ENERGY {TIMESTAMP} |
| January | 781.75 | 2964.00 | 01-JAN-10:15 | 450.37 | 1778.40 | 01-JAN-09:15 |
| February | 683.50 | 2964.00 | 01-FEB-10:15 | 401.52 | 1778.40 | 01-FEB-09:15 |
| March | 723.36 | 2964.00 | 01-MAR-10:15 | 436.78 | 1778.40 | 01-MAR-09:15 |
| April | 749.00 | 2964.00 | 01-APR-10:15 | 434.09 | 1778.40 | 01-APR-09:15 |
| May | 781.75 | 2964.00 | 01-MAY-10:15 | 450.37 | 1778.40 | 01-MAY-09:15 |
| June | 690.61 | 2964.00 | 03-JUN-10:15 | 420.49 | 1778.40 | 03-JUN-09:15 |
| July | 781.75 | 2964.00 | 01-JUL-10:15 | 450.37 | 1778.40 | 01-JUL-09:15 |
| August | 752.56 | 2964.00 | 01-AUG-10:15 | 443.57 | 1778.40 | 01-AUG-09:15 |
| September | 719.81 | 2964.00 | 02-SEP-10:15 | 427.29 | 1778.40 | 02-SEP-09:15 |
| October | 781.75 | 2964.00 | 01-OCT-10:15 | 450.37 | 1778.40 | 01-OCT-09:15 |
| November | 719.81 | 2964.00 | 01-NOV-10:15 | 427.29 | 1778.40 | 01-NOV-09:15 |
| December | 752.56 | 2964.00 | 02-DEC-10:15 | 443.57 | 1778.40 | 02-DEC-09:15 |
|  |  |  |  |  |  |  |
| Annual Sum or Average | 8918.23 |  |  | 5236.08 |  |  |
| Minimum of Months | 683.50 | 2964.00 |  | 401.52 | 1778.40 |  |
| Maximum of Months | 781.75 | 2964.00 |  | 450.37 | 1778.40 |  |

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Report: **SPACE GAINS**

For: **SPACE1-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | ZONE PEOPLE TOTAL HEATING ENERGY [kWh] | ZONE LIGHTS TOTAL HEATING ENERGY [kWh] | ZONE ELECTRIC EQUIPMENT TOTAL HEATING ENERGY [kWh] | ZONE INFILTRATION SENSIBLE HEAT GAIN ENERGY [kWh] | ZONE INFILTRATION SENSIBLE HEAT LOSS ENERGY [kWh] |
| January | 281.79 | 417.78 | 240.68 | 3.55 | 0.27 |
| February | 245.03 | 365.27 | 214.58 | 2.04 | 0.13 |
| March | 257.28 | 386.58 | 233.42 | 2.43 | 0.07 |
| April | 269.53 | 400.28 | 231.98 | 0.00 | 0.00 |
| May | 281.79 | 417.78 | 240.68 | 0.00 | 0.00 |
| June | 245.03 | 369.07 | 224.72 | 0.00 | 0.00 |
| July | 281.79 | 417.78 | 240.68 | 0.00 | 0.00 |
| August | 269.53 | 402.18 | 237.05 | 0.00 | 0.00 |
| September | 257.28 | 384.67 | 228.35 | 0.00 | 0.00 |
| October | 281.79 | 417.78 | 240.68 | 0.00 | 0.00 |
| November | 257.28 | 384.67 | 228.35 | 2.66 | 2.41 |
| December | 269.53 | 402.18 | 237.05 | 4.13 | 1.03 |
|  |  |  |  |  |  |
| Annual Sum or Average | 3197.66 | 4766.02 | 2798.23 | 14.81 | 3.91 |
| Minimum of Months | 245.03 | 365.27 | 214.58 | 0.00 | 0.00 |
| Maximum of Months | 281.79 | 417.78 | 240.68 | 4.13 | 2.41 |

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Report: **SPACE GAINS**

For: **SPACE2-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | ZONE PEOPLE TOTAL HEATING ENERGY [kWh] | ZONE LIGHTS TOTAL HEATING ENERGY [kWh] | ZONE ELECTRIC EQUIPMENT TOTAL HEATING ENERGY [kWh] | ZONE INFILTRATION SENSIBLE HEAT GAIN ENERGY [kWh] | ZONE INFILTRATION SENSIBLE HEAT LOSS ENERGY [kWh] |
| January | 128.08 | 180.41 | 103.93 | 1.49 | 0.21 |
| February | 111.38 | 157.73 | 92.66 | 0.85 | 0.10 |
| March | 116.95 | 166.93 | 100.79 | 0.91 | 0.07 |
| April | 122.52 | 172.85 | 100.17 | 0.00 | 0.00 |
| May | 128.08 | 180.41 | 103.93 | 0.00 | 0.00 |
| June | 111.38 | 159.37 | 97.04 | 0.00 | 0.00 |
| July | 128.08 | 180.41 | 103.93 | 0.00 | 0.00 |
| August | 122.52 | 173.67 | 102.36 | 0.00 | 0.00 |
| September | 116.95 | 166.11 | 98.61 | 0.00 | 0.00 |
| October | 128.08 | 180.41 | 103.93 | 0.00 | 0.00 |
| November | 116.95 | 166.11 | 98.61 | 1.09 | 1.50 |
| December | 122.52 | 173.67 | 102.36 | 1.55 | 0.70 |
|  |  |  |  |  |  |
| Annual Sum or Average | 1453.48 | 2058.05 | 1208.33 | 5.90 | 2.59 |
| Minimum of Months | 111.38 | 157.73 | 92.66 | 0.00 | 0.00 |
| Maximum of Months | 128.08 | 180.41 | 103.93 | 1.55 | 1.50 |

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Report: **SPACE GAINS**

For: **SPACE3-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | ZONE PEOPLE TOTAL HEATING ENERGY [kWh] | ZONE LIGHTS TOTAL HEATING ENERGY [kWh] | ZONE ELECTRIC EQUIPMENT TOTAL HEATING ENERGY [kWh] | ZONE INFILTRATION SENSIBLE HEAT GAIN ENERGY [kWh] | ZONE INFILTRATION SENSIBLE HEAT LOSS ENERGY [kWh] |
| January | 281.79 | 417.78 | 240.68 | 4.13 | 0.24 |
| February | 245.03 | 365.27 | 214.58 | 2.16 | 0.12 |
| March | 257.28 | 386.58 | 233.42 | 2.29 | 0.08 |
| April | 269.53 | 400.28 | 231.98 | 0.00 | 0.00 |
| May | 281.79 | 417.78 | 240.68 | 0.00 | 0.00 |
| June | 245.03 | 369.07 | 224.72 | 0.00 | 0.00 |
| July | 281.79 | 417.78 | 240.68 | 0.00 | 0.00 |
| August | 269.53 | 402.18 | 237.05 | 0.00 | 0.00 |
| September | 257.28 | 384.67 | 228.35 | 0.00 | 0.00 |
| October | 281.79 | 417.78 | 240.68 | 0.00 | 0.00 |
| November | 257.28 | 384.67 | 228.35 | 2.95 | 2.33 |
| December | 269.53 | 402.18 | 237.05 | 4.55 | 0.88 |
|  |  |  |  |  |  |
| Annual Sum or Average | 3197.66 | 4766.02 | 2798.23 | 16.08 | 3.65 |
| Minimum of Months | 245.03 | 365.27 | 214.58 | 0.00 | 0.00 |
| Maximum of Months | 281.79 | 417.78 | 240.68 | 4.55 | 2.33 |

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Report: **SPACE GAINS**

For: **SPACE4-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | ZONE PEOPLE TOTAL HEATING ENERGY [kWh] | ZONE LIGHTS TOTAL HEATING ENERGY [kWh] | ZONE ELECTRIC EQUIPMENT TOTAL HEATING ENERGY [kWh] | ZONE INFILTRATION SENSIBLE HEAT GAIN ENERGY [kWh] | ZONE INFILTRATION SENSIBLE HEAT LOSS ENERGY [kWh] |
| January | 128.08 | 180.41 | 103.93 | 1.72 | 0.11 |
| February | 111.38 | 157.73 | 92.66 | 0.91 | 0.06 |
| March | 116.95 | 166.93 | 100.79 | 0.90 | 0.10 |
| April | 122.52 | 172.85 | 100.17 | 0.00 | 0.00 |
| May | 128.08 | 180.41 | 103.93 | 0.00 | 0.00 |
| June | 111.38 | 159.37 | 97.04 | 0.00 | 0.00 |
| July | 128.08 | 180.41 | 103.93 | 0.00 | 0.00 |
| August | 122.52 | 173.67 | 102.36 | 0.00 | 0.00 |
| September | 116.95 | 166.11 | 98.61 | 0.00 | 0.00 |
| October | 128.08 | 180.41 | 103.93 | 0.00 | 0.00 |
| November | 116.95 | 166.11 | 98.61 | 1.40 | 1.04 |
| December | 122.52 | 173.67 | 102.36 | 2.04 | 0.40 |
|  |  |  |  |  |  |
| Annual Sum or Average | 1453.48 | 2058.05 | 1208.33 | 6.96 | 1.71 |
| Minimum of Months | 111.38 | 157.73 | 92.66 | 0.00 | 0.00 |
| Maximum of Months | 128.08 | 180.41 | 103.93 | 2.04 | 1.04 |

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Report: **SPACE GAINS**

For: **SPACE5-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | ZONE PEOPLE TOTAL HEATING ENERGY [kWh] | ZONE LIGHTS TOTAL HEATING ENERGY [kWh] | ZONE ELECTRIC EQUIPMENT TOTAL HEATING ENERGY [kWh] | ZONE INFILTRATION SENSIBLE HEAT GAIN ENERGY [kWh] | ZONE INFILTRATION SENSIBLE HEAT LOSS ENERGY [kWh] |
| January | 512.34 | 781.75 | 450.37 | 8.71 | 0.55 |
| February | 445.51 | 683.50 | 401.52 | 4.72 | 0.26 |
| March | 467.79 | 723.36 | 436.78 | 6.14 | 0.13 |
| April | 490.06 | 749.00 | 434.09 | 0.00 | 0.00 |
| May | 512.34 | 781.75 | 450.37 | 0.00 | 0.00 |
| June | 445.51 | 690.61 | 420.49 | 0.00 | 0.00 |
| July | 512.34 | 781.75 | 450.37 | 0.00 | 0.00 |
| August | 490.06 | 752.56 | 443.57 | 0.00 | 0.00 |
| September | 467.79 | 719.81 | 427.29 | 0.00 | 0.00 |
| October | 512.34 | 781.75 | 450.37 | 0.00 | 0.00 |
| November | 467.79 | 719.81 | 427.29 | 6.23 | 4.80 |
| December | 490.06 | 752.56 | 443.57 | 9.97 | 2.07 |
|  |  |  |  |  |  |
| Annual Sum or Average | 5813.93 | 8918.23 | 5236.08 | 35.78 | 7.82 |
| Minimum of Months | 445.51 | 683.50 | 401.52 | 0.00 | 0.00 |
| Maximum of Months | 512.34 | 781.75 | 450.37 | 9.97 | 4.80 |

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Report: **PEAK SPACE GAINS**

For: **SPACE1-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | ZONE PEOPLE TOTAL HEATING ENERGY {Maximum}[W] | ZONE PEOPLE TOTAL HEATING ENERGY {TIMESTAMP} | ZONE LIGHTS TOTAL HEATING ENERGY {Maximum}[W] | ZONE LIGHTS TOTAL HEATING ENERGY {TIMESTAMP} | ZONE ELECTRIC EQUIPMENT TOTAL HEATING ENERGY {Maximum}[W] | ZONE ELECTRIC EQUIPMENT TOTAL HEATING ENERGY {TIMESTAMP} | ZONE GAS EQUIPMENT TOTAL HEATING ENERGY [] | ZONE HOT WATER EQUIPMENT TOTAL HEATING ENERGY [] | ZONE STEAM EQUIPMENT TOTAL HEATING ENERGY [] | ZONE OTHER EQUIPMENT TOTAL HEATING ENERGY [] | ZONE INFILTRATION SENSIBLE HEAT GAIN ENERGY {Maximum}[W] | ZONE INFILTRATION SENSIBLE HEAT GAIN ENERGY {TIMESTAMP} | ZONE INFILTRATION SENSIBLE HEAT LOSS ENERGY {Maximum}[W] | ZONE INFILTRATION SENSIBLE HEAT LOSS ENERGY {TIMESTAMP} |
| January | 1289.64 | 01-JAN-08:15 | 1584.00 | 01-JAN-10:15 | 950.40 | 01-JAN-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 72.93 | 21-JAN-13:00 | 12.54 | 15-JAN-06:10 |
| February | 1289.64 | 01-FEB-08:15 | 1584.00 | 01-FEB-10:15 | 950.40 | 01-FEB-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 32.65 | 15-FEB-16:00 | 8.65 | 16-FEB-04:00 |
| March | 1289.64 | 01-MAR-08:15 | 1584.00 | 01-MAR-10:15 | 950.40 | 01-MAR-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 41.56 | 31-MAR-13:53 | 4.30 | 09-MAR-03:00 |
| April | 1289.64 | 01-APR-08:15 | 1584.00 | 01-APR-10:15 | 950.40 | 01-APR-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 01-APR-00:15 | 0.00 | 01-APR-00:15 |
| May | 1289.64 | 01-MAY-08:15 | 1584.00 | 01-MAY-10:15 | 950.40 | 01-MAY-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 01-MAY-00:15 | 0.00 | 01-MAY-00:15 |
| June | 1289.64 | 03-JUN-08:15 | 1584.00 | 03-JUN-10:15 | 950.40 | 03-JUN-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 01-JUN-00:15 | 0.00 | 01-JUN-00:15 |
| July | 1289.64 | 01-JUL-08:15 | 1584.00 | 01-JUL-10:15 | 950.40 | 01-JUL-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 01-JUL-00:15 | 0.00 | 01-JUL-00:15 |
| August | 1289.64 | 01-AUG-08:15 | 1584.00 | 01-AUG-10:15 | 950.40 | 01-AUG-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 01-AUG-00:15 | 0.00 | 01-AUG-00:15 |
| September | 1289.64 | 02-SEP-08:15 | 1584.00 | 02-SEP-10:15 | 950.40 | 02-SEP-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 01-SEP-00:15 | 0.00 | 01-SEP-00:15 |
| October | 1289.64 | 01-OCT-08:15 | 1584.00 | 01-OCT-10:15 | 950.40 | 01-OCT-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 01-OCT-00:15 | 0.00 | 01-OCT-00:15 |
| November | 1289.64 | 01-NOV-08:15 | 1584.00 | 01-NOV-10:15 | 950.40 | 01-NOV-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 114.63 | 11-NOV-14:00 | 53.10 | 04-NOV-06:53 |
| December | 1289.64 | 02-DEC-08:15 | 1584.00 | 02-DEC-10:15 | 950.40 | 02-DEC-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 91.48 | 12-DEC-15:00 | 40.18 | 13-DEC-04:00 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Annual Sum or Average |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Minimum of Months | 1289.64 |  | 1584.00 |  | 950.40 |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  | 0.00 |  |
| Maximum of Months | 1289.64 |  | 1584.00 |  | 950.40 |  | 0.00 | 0.00 | 0.00 | 0.00 | 114.63 |  | 53.10 |  |

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Report: **PEAK SPACE GAINS**

For: **SPACE2-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | ZONE PEOPLE TOTAL HEATING ENERGY {Maximum}[W] | ZONE PEOPLE TOTAL HEATING ENERGY {TIMESTAMP} | ZONE LIGHTS TOTAL HEATING ENERGY {Maximum}[W] | ZONE LIGHTS TOTAL HEATING ENERGY {TIMESTAMP} | ZONE ELECTRIC EQUIPMENT TOTAL HEATING ENERGY {Maximum}[W] | ZONE ELECTRIC EQUIPMENT TOTAL HEATING ENERGY {TIMESTAMP} | ZONE GAS EQUIPMENT TOTAL HEATING ENERGY [] | ZONE HOT WATER EQUIPMENT TOTAL HEATING ENERGY [] | ZONE STEAM EQUIPMENT TOTAL HEATING ENERGY [] | ZONE OTHER EQUIPMENT TOTAL HEATING ENERGY [] | ZONE INFILTRATION SENSIBLE HEAT GAIN ENERGY {Maximum}[W] | ZONE INFILTRATION SENSIBLE HEAT GAIN ENERGY {TIMESTAMP} | ZONE INFILTRATION SENSIBLE HEAT LOSS ENERGY {Maximum}[W] | ZONE INFILTRATION SENSIBLE HEAT LOSS ENERGY {TIMESTAMP} |
| January | 586.20 | 01-JAN-08:15 | 684.00 | 01-JAN-10:15 | 410.40 | 01-JAN-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 31.90 | 21-JAN-13:00 | 8.77 | 19-JAN-10:00 |
| February | 586.20 | 01-FEB-08:15 | 684.00 | 01-FEB-10:15 | 410.40 | 01-FEB-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 14.29 | 15-FEB-16:00 | 7.13 | 16-FEB-10:15 |
| March | 586.20 | 01-MAR-08:15 | 684.00 | 01-MAR-10:15 | 410.40 | 01-MAR-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 16.64 | 31-MAR-17:00 | 3.72 | 09-MAR-11:23 |
| April | 586.20 | 01-APR-08:15 | 684.00 | 01-APR-10:15 | 410.40 | 01-APR-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 01-APR-00:15 | 0.00 | 01-APR-00:15 |
| May | 586.20 | 01-MAY-08:15 | 684.00 | 01-MAY-10:15 | 410.40 | 01-MAY-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 01-MAY-00:15 | 0.00 | 01-MAY-00:15 |
| June | 586.20 | 03-JUN-08:15 | 684.00 | 03-JUN-10:15 | 410.40 | 03-JUN-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 01-JUN-00:15 | 0.00 | 01-JUN-00:15 |
| July | 586.20 | 01-JUL-08:15 | 684.00 | 01-JUL-10:15 | 410.40 | 01-JUL-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 01-JUL-00:15 | 0.00 | 01-JUL-00:15 |
| August | 586.20 | 01-AUG-08:15 | 684.00 | 01-AUG-10:15 | 410.40 | 01-AUG-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 01-AUG-00:15 | 0.00 | 01-AUG-00:15 |
| September | 586.20 | 02-SEP-08:15 | 684.00 | 02-SEP-10:15 | 410.40 | 02-SEP-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 01-SEP-00:15 | 0.00 | 01-SEP-00:15 |
| October | 586.20 | 01-OCT-08:15 | 684.00 | 01-OCT-10:15 | 410.40 | 01-OCT-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 01-OCT-00:15 | 0.00 | 01-OCT-00:15 |
| November | 586.20 | 01-NOV-08:15 | 684.00 | 01-NOV-10:15 | 410.40 | 01-NOV-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 50.15 | 11-NOV-14:00 | 36.42 | 02-NOV-09:00 |
| December | 586.20 | 02-DEC-08:15 | 684.00 | 02-DEC-10:15 | 410.40 | 02-DEC-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 41.31 | 12-DEC-15:45 | 20.90 | 07-DEC-09:45 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Annual Sum or Average |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Minimum of Months | 586.20 |  | 684.00 |  | 410.40 |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  | 0.00 |  |
| Maximum of Months | 586.20 |  | 684.00 |  | 410.40 |  | 0.00 | 0.00 | 0.00 | 0.00 | 50.15 |  | 36.42 |  |

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Report: **PEAK SPACE GAINS**

For: **SPACE3-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | ZONE PEOPLE TOTAL HEATING ENERGY {Maximum}[W] | ZONE PEOPLE TOTAL HEATING ENERGY {TIMESTAMP} | ZONE LIGHTS TOTAL HEATING ENERGY {Maximum}[W] | ZONE LIGHTS TOTAL HEATING ENERGY {TIMESTAMP} | ZONE ELECTRIC EQUIPMENT TOTAL HEATING ENERGY {Maximum}[W] | ZONE ELECTRIC EQUIPMENT TOTAL HEATING ENERGY {TIMESTAMP} | ZONE GAS EQUIPMENT TOTAL HEATING ENERGY [] | ZONE HOT WATER EQUIPMENT TOTAL HEATING ENERGY [] | ZONE STEAM EQUIPMENT TOTAL HEATING ENERGY [] | ZONE OTHER EQUIPMENT TOTAL HEATING ENERGY [] | ZONE INFILTRATION SENSIBLE HEAT GAIN ENERGY {Maximum}[W] | ZONE INFILTRATION SENSIBLE HEAT GAIN ENERGY {TIMESTAMP} | ZONE INFILTRATION SENSIBLE HEAT LOSS ENERGY {Maximum}[W] | ZONE INFILTRATION SENSIBLE HEAT LOSS ENERGY {TIMESTAMP} |
| January | 1289.64 | 01-JAN-08:15 | 1584.00 | 01-JAN-10:15 | 950.40 | 01-JAN-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 74.14 | 21-JAN-13:00 | 12.54 | 15-JAN-06:10 |
| February | 1289.64 | 01-FEB-08:15 | 1584.00 | 01-FEB-10:15 | 950.40 | 01-FEB-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 32.65 | 15-FEB-16:00 | 8.60 | 16-FEB-04:00 |
| March | 1289.64 | 01-MAR-08:15 | 1584.00 | 01-MAR-10:15 | 950.40 | 01-MAR-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 38.00 | 31-MAR-16:00 | 4.29 | 09-MAR-03:00 |
| April | 1289.64 | 01-APR-08:15 | 1584.00 | 01-APR-10:15 | 950.40 | 01-APR-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 01-APR-00:15 | 0.00 | 01-APR-00:15 |
| May | 1289.64 | 01-MAY-08:15 | 1584.00 | 01-MAY-10:15 | 950.40 | 01-MAY-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 01-MAY-00:15 | 0.00 | 01-MAY-00:15 |
| June | 1289.64 | 03-JUN-08:15 | 1584.00 | 03-JUN-10:15 | 950.40 | 03-JUN-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 01-JUN-00:15 | 0.00 | 01-JUN-00:15 |
| July | 1289.64 | 01-JUL-08:15 | 1584.00 | 01-JUL-10:15 | 950.40 | 01-JUL-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 01-JUL-00:15 | 0.00 | 01-JUL-00:15 |
| August | 1289.64 | 01-AUG-08:15 | 1584.00 | 01-AUG-10:15 | 950.40 | 01-AUG-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 01-AUG-00:15 | 0.00 | 01-AUG-00:15 |
| September | 1289.64 | 02-SEP-08:15 | 1584.00 | 02-SEP-10:15 | 950.40 | 02-SEP-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 01-SEP-00:15 | 0.00 | 01-SEP-00:15 |
| October | 1289.64 | 01-OCT-08:15 | 1584.00 | 01-OCT-10:15 | 950.40 | 01-OCT-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 01-OCT-00:15 | 0.00 | 01-OCT-00:15 |
| November | 1289.64 | 01-NOV-08:15 | 1584.00 | 01-NOV-10:15 | 950.40 | 01-NOV-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 114.63 | 11-NOV-14:00 | 56.33 | 02-NOV-07:00 |
| December | 1289.64 | 02-DEC-08:15 | 1584.00 | 02-DEC-10:15 | 950.40 | 02-DEC-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 94.43 | 12-DEC-15:45 | 39.64 | 13-DEC-04:00 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Annual Sum or Average |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Minimum of Months | 1289.64 |  | 1584.00 |  | 950.40 |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  | 0.00 |  |
| Maximum of Months | 1289.64 |  | 1584.00 |  | 950.40 |  | 0.00 | 0.00 | 0.00 | 0.00 | 114.63 |  | 56.33 |  |

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Report: **PEAK SPACE GAINS**

For: **SPACE4-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | ZONE PEOPLE TOTAL HEATING ENERGY {Maximum}[W] | ZONE PEOPLE TOTAL HEATING ENERGY {TIMESTAMP} | ZONE LIGHTS TOTAL HEATING ENERGY {Maximum}[W] | ZONE LIGHTS TOTAL HEATING ENERGY {TIMESTAMP} | ZONE ELECTRIC EQUIPMENT TOTAL HEATING ENERGY {Maximum}[W] | ZONE ELECTRIC EQUIPMENT TOTAL HEATING ENERGY {TIMESTAMP} | ZONE GAS EQUIPMENT TOTAL HEATING ENERGY [] | ZONE HOT WATER EQUIPMENT TOTAL HEATING ENERGY [] | ZONE STEAM EQUIPMENT TOTAL HEATING ENERGY [] | ZONE OTHER EQUIPMENT TOTAL HEATING ENERGY [] | ZONE INFILTRATION SENSIBLE HEAT GAIN ENERGY {Maximum}[W] | ZONE INFILTRATION SENSIBLE HEAT GAIN ENERGY {TIMESTAMP} | ZONE INFILTRATION SENSIBLE HEAT LOSS ENERGY {Maximum}[W] | ZONE INFILTRATION SENSIBLE HEAT LOSS ENERGY {TIMESTAMP} |
| January | 586.20 | 01-JAN-08:15 | 684.00 | 01-JAN-10:15 | 410.40 | 01-JAN-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 37.96 | 21-JAN-13:00 | 5.49 | 15-JAN-06:13 |
| February | 586.20 | 01-FEB-08:15 | 684.00 | 01-FEB-10:15 | 410.40 | 01-FEB-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 14.28 | 15-FEB-16:00 | 3.93 | 16-FEB-17:53 |
| March | 586.20 | 01-MAR-08:15 | 684.00 | 01-MAR-10:15 | 410.40 | 01-MAR-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 11.57 | 31-MAR-13:38 | 9.77 | 09-MAR-17:53 |
| April | 586.20 | 01-APR-08:15 | 684.00 | 01-APR-10:15 | 410.40 | 01-APR-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 01-APR-00:15 | 0.00 | 01-APR-00:15 |
| May | 586.20 | 01-MAY-08:15 | 684.00 | 01-MAY-10:15 | 410.40 | 01-MAY-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 01-MAY-00:15 | 0.00 | 01-MAY-00:15 |
| June | 586.20 | 03-JUN-08:15 | 684.00 | 03-JUN-10:15 | 410.40 | 03-JUN-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 01-JUN-00:15 | 0.00 | 01-JUN-00:15 |
| July | 586.20 | 01-JUL-08:15 | 684.00 | 01-JUL-10:15 | 410.40 | 01-JUL-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 01-JUL-00:15 | 0.00 | 01-JUL-00:15 |
| August | 586.20 | 01-AUG-08:15 | 684.00 | 01-AUG-10:15 | 410.40 | 01-AUG-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 01-AUG-00:15 | 0.00 | 01-AUG-00:15 |
| September | 586.20 | 02-SEP-08:15 | 684.00 | 02-SEP-10:15 | 410.40 | 02-SEP-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 01-SEP-00:15 | 0.00 | 01-SEP-00:15 |
| October | 586.20 | 01-OCT-08:15 | 684.00 | 01-OCT-10:15 | 410.40 | 01-OCT-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 01-OCT-00:15 | 0.00 | 01-OCT-00:15 |
| November | 586.20 | 01-NOV-08:15 | 684.00 | 01-NOV-10:15 | 410.40 | 01-NOV-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 50.17 | 11-NOV-14:00 | 23.23 | 02-NOV-07:00 |
| December | 586.20 | 02-DEC-08:15 | 684.00 | 02-DEC-10:15 | 410.40 | 02-DEC-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 41.32 | 12-DEC-15:45 | 17.98 | 13-DEC-04:00 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Annual Sum or Average |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Minimum of Months | 586.20 |  | 684.00 |  | 410.40 |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  | 0.00 |  |
| Maximum of Months | 586.20 |  | 684.00 |  | 410.40 |  | 0.00 | 0.00 | 0.00 | 0.00 | 50.17 |  | 23.23 |  |

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Report: **PEAK SPACE GAINS**

For: **SPACE5-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | ZONE PEOPLE TOTAL HEATING ENERGY {Maximum}[W] | ZONE PEOPLE TOTAL HEATING ENERGY {TIMESTAMP} | ZONE LIGHTS TOTAL HEATING ENERGY {Maximum}[W] | ZONE LIGHTS TOTAL HEATING ENERGY {TIMESTAMP} | ZONE ELECTRIC EQUIPMENT TOTAL HEATING ENERGY {Maximum}[W] | ZONE ELECTRIC EQUIPMENT TOTAL HEATING ENERGY {TIMESTAMP} | ZONE GAS EQUIPMENT TOTAL HEATING ENERGY [] | ZONE HOT WATER EQUIPMENT TOTAL HEATING ENERGY [] | ZONE STEAM EQUIPMENT TOTAL HEATING ENERGY [] | ZONE OTHER EQUIPMENT TOTAL HEATING ENERGY [] | ZONE INFILTRATION SENSIBLE HEAT GAIN ENERGY {Maximum}[W] | ZONE INFILTRATION SENSIBLE HEAT GAIN ENERGY {TIMESTAMP} | ZONE INFILTRATION SENSIBLE HEAT LOSS ENERGY {Maximum}[W] | ZONE INFILTRATION SENSIBLE HEAT LOSS ENERGY {TIMESTAMP} |
| January | 2344.80 | 01-JAN-08:15 | 2964.00 | 01-JAN-10:15 | 1778.40 | 01-JAN-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 141.30 | 21-JAN-13:00 | 24.91 | 15-JAN-06:08 |
| February | 2344.80 | 01-FEB-08:15 | 2964.00 | 01-FEB-10:15 | 1778.40 | 01-FEB-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 80.18 | 16-FEB-13:53 | 18.83 | 16-FEB-04:00 |
| March | 2344.80 | 01-MAR-08:15 | 2964.00 | 01-MAR-10:15 | 1778.40 | 01-MAR-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 117.65 | 31-MAR-13:53 | 9.34 | 09-MAR-03:00 |
| April | 2344.80 | 01-APR-08:15 | 2964.00 | 01-APR-10:15 | 1778.40 | 01-APR-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 01-APR-00:15 | 0.00 | 01-APR-00:15 |
| May | 2344.80 | 01-MAY-08:15 | 2964.00 | 01-MAY-10:15 | 1778.40 | 01-MAY-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 01-MAY-00:15 | 0.00 | 01-MAY-00:15 |
| June | 2344.80 | 03-JUN-08:15 | 2964.00 | 03-JUN-10:15 | 1778.40 | 03-JUN-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 01-JUN-00:15 | 0.00 | 01-JUN-00:15 |
| July | 2344.80 | 01-JUL-08:15 | 2964.00 | 01-JUL-10:15 | 1778.40 | 01-JUL-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 01-JUL-00:15 | 0.00 | 01-JUL-00:15 |
| August | 2344.80 | 01-AUG-08:15 | 2964.00 | 01-AUG-10:15 | 1778.40 | 01-AUG-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 01-AUG-00:15 | 0.00 | 01-AUG-00:15 |
| September | 2344.80 | 02-SEP-08:15 | 2964.00 | 02-SEP-10:15 | 1778.40 | 02-SEP-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 01-SEP-00:15 | 0.00 | 01-SEP-00:15 |
| October | 2344.80 | 01-OCT-08:15 | 2964.00 | 01-OCT-10:15 | 1778.40 | 01-OCT-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 01-OCT-00:15 | 0.00 | 01-OCT-00:15 |
| November | 2344.80 | 01-NOV-08:15 | 2964.00 | 01-NOV-10:15 | 1778.40 | 01-NOV-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 222.10 | 11-NOV-14:00 | 108.18 | 02-NOV-06:53 |
| December | 2344.80 | 02-DEC-08:15 | 2964.00 | 02-DEC-10:15 | 1778.40 | 02-DEC-09:15 | 0.00 | 0.00 | 0.00 | 0.00 | 273.92 | 14-DEC-12:00 | 85.53 | 13-DEC-04:00 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Annual Sum or Average |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Minimum of Months | 2344.80 |  | 2964.00 |  | 1778.40 |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  | 0.00 |  |
| Maximum of Months | 2344.80 |  | 2964.00 |  | 1778.40 |  | 0.00 | 0.00 | 0.00 | 0.00 | 273.92 |  | 108.18 |  |

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Report: **SPACE GAIN COMPONENTS AT COOLING PEAK**

For: **PLENUM-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | ZONE AIR SYSTEM SENSIBLE COOLING RATE {Maximum}[W] | ZONE AIR SYSTEM SENSIBLE COOLING RATE {TIMESTAMP} | ZONE PEOPLE TOTAL HEATING ENERGY [] | ZONE LIGHTS TOTAL HEATING ENERGY [] | ZONE ELECTRIC EQUIPMENT TOTAL HEATING ENERGY [] | ZONE GAS EQUIPMENT TOTAL HEATING ENERGY [] | ZONE HOT WATER EQUIPMENT TOTAL HEATING ENERGY [] | ZONE STEAM EQUIPMENT TOTAL HEATING ENERGY [] | ZONE OTHER EQUIPMENT TOTAL HEATING ENERGY [] | ZONE INFILTRATION SENSIBLE HEAT GAIN ENERGY [] | ZONE INFILTRATION SENSIBLE HEAT LOSS ENERGY [] |
| January | 3648.48 | 04-JAN-16:00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| February | 3300.76 | 08-FEB-16:00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| March | 3516.08 | 05-MAR-16:00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| April | 3047.85 | 08-APR-16:00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| May | 3242.25 | 20-MAY-16:00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| June | 2840.03 | 25-JUN-16:00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| July | 2392.95 | 17-JUL-16:00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| August | 3154.90 | 30-AUG-16:00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| September | 2974.70 | 03-SEP-16:00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| October | 3324.24 | 18-OCT-16:00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| November | 3723.81 | 07-NOV-15:45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| December | 3273.56 | 20-DEC-15:45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|  |  |  |  |  |  |  |  |  |  |  |  |
| Annual Sum or Average |  |  |  |  |  |  |  |  |  |  |  |
| Minimum of Months | 2392.95 |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Maximum of Months | 3723.81 |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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Report: **SPACE GAIN COMPONENTS AT COOLING PEAK**

For: **SPACE1-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | ZONE AIR SYSTEM SENSIBLE COOLING RATE {Maximum}[W] | ZONE AIR SYSTEM SENSIBLE COOLING RATE {TIMESTAMP} | ZONE PEOPLE TOTAL HEATING ENERGY {AT MAX/MIN} [W] | ZONE LIGHTS TOTAL HEATING ENERGY {AT MAX/MIN} [W] | ZONE ELECTRIC EQUIPMENT TOTAL HEATING ENERGY {AT MAX/MIN} [W] | ZONE GAS EQUIPMENT TOTAL HEATING ENERGY [] | ZONE HOT WATER EQUIPMENT TOTAL HEATING ENERGY [] | ZONE STEAM EQUIPMENT TOTAL HEATING ENERGY [] | ZONE OTHER EQUIPMENT TOTAL HEATING ENERGY [] | ZONE INFILTRATION SENSIBLE HEAT GAIN ENERGY {AT MAX/MIN} [W] | ZONE INFILTRATION SENSIBLE HEAT LOSS ENERGY {AT MAX/MIN} [W] |
| January | 2917.33 | 04-JAN-17:30 | 1289.64 | 1584.00 | 528.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.33 | 0.00 |
| February | 2578.71 | 08-FEB-17:15 | 1289.64 | 1584.00 | 528.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.13 | 0.00 |
| March | 2434.18 | 05-MAR-17:30 | 1289.64 | 1584.00 | 528.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.41 | 0.00 |
| April | 2455.18 | 10-APR-15:00 | 1289.64 | 1584.00 | 844.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| May | 2418.36 | 02-MAY-14:45 | 1289.64 | 1584.00 | 844.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| June | 2243.38 | 25-JUN-15:00 | 1289.64 | 1584.00 | 844.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| July | 2292.55 | 29-JUL-14:30 | 1289.64 | 1584.00 | 844.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| August | 2434.15 | 19-AUG-14:45 | 1289.64 | 1584.00 | 844.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| September | 2525.29 | 19-SEP-17:30 | 1289.64 | 1584.00 | 528.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| October | 2542.73 | 30-OCT-16:45 | 1289.64 | 1584.00 | 528.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| November | 2664.85 | 15-NOV-16:45 | 1289.64 | 1584.00 | 528.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.48 | 0.00 |
| December | 2883.33 | 20-DEC-17:30 | 1289.64 | 1584.00 | 528.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.65 | 0.00 |
|  |  |  |  |  |  |  |  |  |  |  |  |
| Annual Sum or Average |  |  |  |  |  |  |  |  |  |  |  |
| Minimum of Months | 2243.38 |  | 1289.64 | 1584.00 | 528.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Maximum of Months | 2917.33 |  | 1289.64 | 1584.00 | 844.80 | 0.00 | 0.00 | 0.00 | 0.00 | 15.48 | 0.00 |

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Report: **SPACE GAIN COMPONENTS AT COOLING PEAK**

For: **SPACE2-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | ZONE AIR SYSTEM SENSIBLE COOLING RATE {Maximum}[W] | ZONE AIR SYSTEM SENSIBLE COOLING RATE {TIMESTAMP} | ZONE PEOPLE TOTAL HEATING ENERGY {AT MAX/MIN} [W] | ZONE LIGHTS TOTAL HEATING ENERGY {AT MAX/MIN} [W] | ZONE ELECTRIC EQUIPMENT TOTAL HEATING ENERGY {AT MAX/MIN} [W] | ZONE GAS EQUIPMENT TOTAL HEATING ENERGY [] | ZONE HOT WATER EQUIPMENT TOTAL HEATING ENERGY [] | ZONE STEAM EQUIPMENT TOTAL HEATING ENERGY [] | ZONE OTHER EQUIPMENT TOTAL HEATING ENERGY [] | ZONE INFILTRATION SENSIBLE HEAT GAIN ENERGY {AT MAX/MIN} [W] | ZONE INFILTRATION SENSIBLE HEAT LOSS ENERGY {AT MAX/MIN} [W] |
| January | 1883.41 | 23-JAN-10:30 | 1172.40 | 1368.00 | 820.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.00 |
| February | 1754.49 | 22-FEB-10:30 | 586.20 | 684.00 | 410.40 | 0.00 | 0.00 | 0.00 | 0.00 | 2.65 | 0.00 |
| March | 1747.51 | 18-MAR-10:15 | 586.20 | 684.00 | 410.40 | 0.00 | 0.00 | 0.00 | 0.00 | 1.12 | 0.00 |
| April | 1939.82 | 02-APR-10:15 | 1172.40 | 1368.00 | 820.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| May | 1500.02 | 20-MAY-09:45 | 586.20 | 649.80 | 410.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| June | 1316.99 | 12-JUN-10:15 | 586.20 | 684.00 | 410.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| July | 1473.00 | 12-JUL-10:30 | 586.20 | 684.00 | 410.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| August | 1774.01 | 30-AUG-09:45 | 1172.40 | 1299.60 | 820.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| September | 1935.05 | 30-SEP-09:45 | 1172.40 | 1299.60 | 820.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| October | 1726.78 | 11-OCT-09:45 | 1172.40 | 1299.60 | 820.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| November | 1760.64 | 07-NOV-09:53 | 1172.40 | 1299.60 | 820.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 |
| December | 1847.53 | 10-DEC-10:15 | 1172.40 | 1368.00 | 820.80 | 0.00 | 0.00 | 0.00 | 0.00 | 1.86 | 0.00 |
|  |  |  |  |  |  |  |  |  |  |  |  |
| Annual Sum or Average |  |  |  |  |  |  |  |  |  |  |  |
| Minimum of Months | 1316.99 |  | 586.20 | 649.80 | 410.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Maximum of Months | 1939.82 |  | 1172.40 | 1368.00 | 820.80 | 0.00 | 0.00 | 0.00 | 0.00 | 2.65 | 1.04 |

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Report: **SPACE GAIN COMPONENTS AT COOLING PEAK**

For: **SPACE3-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | ZONE AIR SYSTEM SENSIBLE COOLING RATE {Maximum}[W] | ZONE AIR SYSTEM SENSIBLE COOLING RATE {TIMESTAMP} | ZONE PEOPLE TOTAL HEATING ENERGY {AT MAX/MIN} [W] | ZONE LIGHTS TOTAL HEATING ENERGY {AT MAX/MIN} [W] | ZONE ELECTRIC EQUIPMENT TOTAL HEATING ENERGY {AT MAX/MIN} [W] | ZONE GAS EQUIPMENT TOTAL HEATING ENERGY [] | ZONE HOT WATER EQUIPMENT TOTAL HEATING ENERGY [] | ZONE STEAM EQUIPMENT TOTAL HEATING ENERGY [] | ZONE OTHER EQUIPMENT TOTAL HEATING ENERGY [] | ZONE INFILTRATION SENSIBLE HEAT GAIN ENERGY {AT MAX/MIN} [W] | ZONE INFILTRATION SENSIBLE HEAT LOSS ENERGY {AT MAX/MIN} [W] |
| January | 2613.97 | 23-JAN-14:30 | 1289.64 | 1584.00 | 844.80 | 0.00 | 0.00 | 0.00 | 0.00 | 12.96 | 0.00 |
| February | 2674.54 | 22-FEB-14:15 | 1289.64 | 1584.00 | 844.80 | 0.00 | 0.00 | 0.00 | 0.00 | 19.30 | 0.00 |
| March | 3612.58 | 27-MAR-10:30 | 1289.64 | 1584.00 | 950.40 | 0.00 | 0.00 | 0.00 | 0.00 | 6.56 | 0.00 |
| April | 4294.09 | 22-APR-10:30 | 1289.64 | 1584.00 | 950.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| May | 4778.51 | 21-MAY-10:30 | 1289.64 | 1584.00 | 950.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| June | 5213.34 | 12-JUN-10:30 | 1289.64 | 1584.00 | 950.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| July | 5496.50 | 12-JUL-10:30 | 1289.64 | 1584.00 | 950.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| August | 5267.66 | 01-AUG-10:30 | 1289.64 | 1584.00 | 950.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| September | 3790.89 | 09-SEP-10:30 | 1289.64 | 1584.00 | 950.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| October | 2551.38 | 03-OCT-10:45 | 1289.64 | 1584.00 | 950.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| November | 2494.27 | 11-NOV-14:15 | 1289.64 | 1584.00 | 844.80 | 0.00 | 0.00 | 0.00 | 0.00 | 108.85 | 0.00 |
| December | 2453.15 | 10-DEC-14:15 | 1289.64 | 1584.00 | 844.80 | 0.00 | 0.00 | 0.00 | 0.00 | 10.09 | 0.00 |
|  |  |  |  |  |  |  |  |  |  |  |  |
| Annual Sum or Average |  |  |  |  |  |  |  |  |  |  |  |
| Minimum of Months | 2453.15 |  | 1289.64 | 1584.00 | 844.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Maximum of Months | 5496.50 |  | 1289.64 | 1584.00 | 950.40 | 0.00 | 0.00 | 0.00 | 0.00 | 108.85 | 0.00 |

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Report: **SPACE GAIN COMPONENTS AT COOLING PEAK**

For: **SPACE4-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | ZONE AIR SYSTEM SENSIBLE COOLING RATE {Maximum}[W] | ZONE AIR SYSTEM SENSIBLE COOLING RATE {TIMESTAMP} | ZONE PEOPLE TOTAL HEATING ENERGY {AT MAX/MIN} [W] | ZONE LIGHTS TOTAL HEATING ENERGY {AT MAX/MIN} [W] | ZONE ELECTRIC EQUIPMENT TOTAL HEATING ENERGY {AT MAX/MIN} [W] | ZONE GAS EQUIPMENT TOTAL HEATING ENERGY [] | ZONE HOT WATER EQUIPMENT TOTAL HEATING ENERGY [] | ZONE STEAM EQUIPMENT TOTAL HEATING ENERGY [] | ZONE OTHER EQUIPMENT TOTAL HEATING ENERGY [] | ZONE INFILTRATION SENSIBLE HEAT GAIN ENERGY {AT MAX/MIN} [W] | ZONE INFILTRATION SENSIBLE HEAT LOSS ENERGY {AT MAX/MIN} [W] |
| January | 1878.98 | 25-JAN-17:00 | 586.20 | 684.00 | 228.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.33 | 0.00 |
| February | 1743.88 | 08-FEB-16:30 | 586.20 | 684.00 | 228.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.81 | 0.00 |
| March | 2299.66 | 05-MAR-16:30 | 586.20 | 684.00 | 228.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.13 | 0.00 |
| April | 2664.64 | 15-APR-16:30 | 586.20 | 684.00 | 228.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| May | 2917.93 | 20-MAY-16:30 | 586.20 | 684.00 | 228.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| June | 2808.97 | 25-JUN-16:30 | 586.20 | 684.00 | 228.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| July | 2691.20 | 22-JUL-16:30 | 586.20 | 684.00 | 228.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| August | 2800.06 | 20-AUG-16:30 | 586.20 | 684.00 | 228.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| September | 2669.98 | 05-SEP-16:30 | 586.20 | 684.00 | 228.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| October | 2445.14 | 07-OCT-16:00 | 586.20 | 684.00 | 319.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| November | 2086.90 | 13-NOV-16:00 | 586.20 | 684.00 | 319.20 | 0.00 | 0.00 | 0.00 | 0.00 | 29.54 | 0.00 |
| December | 1741.88 | 17-DEC-16:45 | 586.20 | 684.00 | 228.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.88 | 0.00 |
|  |  |  |  |  |  |  |  |  |  |  |  |
| Annual Sum or Average |  |  |  |  |  |  |  |  |  |  |  |
| Minimum of Months | 1741.88 |  | 586.20 | 684.00 | 228.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Maximum of Months | 2917.93 |  | 586.20 | 684.00 | 319.20 | 0.00 | 0.00 | 0.00 | 0.00 | 31.88 | 0.00 |

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Report: **SPACE GAIN COMPONENTS AT COOLING PEAK**

For: **SPACE5-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | ZONE AIR SYSTEM SENSIBLE COOLING RATE {Maximum}[W] | ZONE AIR SYSTEM SENSIBLE COOLING RATE {TIMESTAMP} | ZONE PEOPLE TOTAL HEATING ENERGY {AT MAX/MIN} [W] | ZONE LIGHTS TOTAL HEATING ENERGY {AT MAX/MIN} [W] | ZONE ELECTRIC EQUIPMENT TOTAL HEATING ENERGY {AT MAX/MIN} [W] | ZONE GAS EQUIPMENT TOTAL HEATING ENERGY [] | ZONE HOT WATER EQUIPMENT TOTAL HEATING ENERGY [] | ZONE STEAM EQUIPMENT TOTAL HEATING ENERGY [] | ZONE OTHER EQUIPMENT TOTAL HEATING ENERGY [] | ZONE INFILTRATION SENSIBLE HEAT GAIN ENERGY {AT MAX/MIN} [W] | ZONE INFILTRATION SENSIBLE HEAT LOSS ENERGY {AT MAX/MIN} [W] |
| January | 2382.76 | 10-JAN-15:00 | 2344.80 | 2964.00 | 1580.80 | 0.00 | 0.00 | 0.00 | 0.00 | 125.22 | 0.00 |
| February | 2409.97 | 27-FEB-15:00 | 2344.80 | 2964.00 | 1580.80 | 0.00 | 0.00 | 0.00 | 0.00 | 29.29 | 0.00 |
| March | 2432.63 | 21-MAR-15:00 | 2344.80 | 2964.00 | 1580.80 | 0.00 | 0.00 | 0.00 | 0.00 | 25.16 | 0.00 |
| April | 2497.49 | 08-APR-15:00 | 2344.80 | 2964.00 | 1580.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| May | 2573.70 | 20-MAY-15:00 | 2344.80 | 2964.00 | 1580.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| June | 2567.76 | 25-JUN-15:00 | 2344.80 | 2964.00 | 1580.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| July | 2561.16 | 17-JUL-15:00 | 2344.80 | 2964.00 | 1580.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| August | 2647.10 | 19-AUG-15:00 | 2344.80 | 2964.00 | 1580.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| September | 2662.94 | 03-SEP-15:00 | 2344.80 | 2964.00 | 1580.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| October | 2527.89 | 11-OCT-15:00 | 2344.80 | 2964.00 | 1580.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| November | 2549.62 | 11-NOV-15:00 | 2344.80 | 2964.00 | 1580.80 | 0.00 | 0.00 | 0.00 | 0.00 | 175.90 | 0.00 |
| December | 2543.78 | 12-DEC-15:00 | 2344.80 | 2964.00 | 1580.80 | 0.00 | 0.00 | 0.00 | 0.00 | 182.46 | 0.00 |
|  |  |  |  |  |  |  |  |  |  |  |  |
| Annual Sum or Average |  |  |  |  |  |  |  |  |  |  |  |
| Minimum of Months | 2382.76 |  | 2344.80 | 2964.00 | 1580.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Maximum of Months | 2662.94 |  | 2344.80 | 2964.00 | 1580.80 | 0.00 | 0.00 | 0.00 | 0.00 | 182.46 | 0.00 |

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Report: **ENERGY CONSUMPTION - ELECTRICITY & NATURAL GAS**

For: **Meter**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | ELECTRICITY:FACILITY [kWh] | ELECTRICITY:FACILITY {Maximum}[W] | ELECTRICITY:FACILITY {TIMESTAMP} | GAS:FACILITY [kWh] | GAS:FACILITY {Maximum}[W] | GAS:FACILITY {TIMESTAMP} |
| January | 4417.78 | 18092.27 | 21-JAN-10:00 | 4356.21 | 30118.07 | 16-JAN-06:15 |
| February | 3929.80 | 19431.05 | 22-FEB-15:00 | 3912.35 | 30247.22 | 15-FEB-06:15 |
| March | 4294.77 | 20112.67 | 22-MAR-10:00 | 4270.06 | 24570.21 | 05-MAR-06:15 |
| April | 4562.30 | 19772.28 | 11-APR-14:00 | 4398.69 | 26871.52 | 30-APR-06:15 |
| May | 4706.66 | 19267.76 | 06-MAY-10:00 | 4591.24 | 30234.22 | 10-MAY-06:15 |
| June | 4057.75 | 18884.57 | 19-JUN-14:00 | 4375.50 | 30668.56 | 04-JUN-06:15 |
| July | 4534.89 | 18428.18 | 29-JUL-14:00 | 4611.68 | 30995.82 | 16-JUL-06:15 |
| August | 4324.56 | 18435.29 | 01-AUG-10:00 | 4569.54 | 30051.10 | 05-AUG-06:15 |
| September | 4133.78 | 18469.92 | 04-SEP-10:00 | 4430.32 | 31443.99 | 12-SEP-06:15 |
| October | 4216.32 | 17526.28 | 11-OCT-14:00 | 4340.85 | 27572.96 | 02-OCT-06:15 |
| November | 3924.79 | 17577.38 | 11-NOV-14:00 | 4203.10 | 27820.70 | 15-NOV-06:15 |
| December | 4141.10 | 17753.05 | 19-DEC-14:00 | 4338.40 | 27110.21 | 13-DEC-06:15 |
|  |  |  |  |  |  |  |
| Annual Sum or Average | 51244.50 |  |  | 52397.95 |  |  |
| Minimum of Months | 3924.79 | 17526.28 |  | 3912.35 | 24570.21 |  |
| Maximum of Months | 4706.66 | 20112.67 |  | 4611.68 | 31443.99 |  |

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Report: **ENERGY CONSUMPTION - ELECTRICITY GENERATED & PROPANE**

For: **Meter**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | ELECTRICITYPRODUCED:FACILITY [kWh] | ELECTRICITYPRODUCED:FACILITY {Maximum}[W] | ELECTRICITYPRODUCED:FACILITY {TIMESTAMP} | PROPANE:FACILITY [] | PROPANE:FACILITY [] |
| January | 1006.55 | 1446.12 | 24-JAN-05:00 | 0.00 | 0.00 |
| February | 908.75 | 1444.71 | 09-FEB-05:00 | 0.00 | 0.00 |
| March | 1003.67 | 1436.24 | 09-MAR-05:00 | 0.00 | 0.00 |
| April | 974.46 | 1437.65 | 30-APR-05:00 | 0.00 | 0.00 |
| May | 1008.93 | 1443.30 | 10-MAY-05:00 | 0.00 | 0.00 |
| June | 991.56 | 1465.85 | 09-JUN-05:00 | 0.00 | 0.00 |
| July | 1026.85 | 1470.08 | 16-JUL-05:00 | 0.00 | 0.00 |
| August | 1028.59 | 1481.34 | 05-AUG-05:00 | 0.00 | 0.00 |
| September | 1000.58 | 1484.15 | 12-SEP-05:00 | 0.00 | 0.00 |
| October | 1028.57 | 1478.52 | 02-OCT-05:00 | 0.00 | 0.00 |
| November | 993.72 | 1481.34 | 15-NOV-05:00 | 0.00 | 0.00 |
| December | 1012.72 | 1454.58 | 28-DEC-05:00 | 0.00 | 0.00 |
|  |  |  |  |  |  |
| Annual Sum or Average | 11984.96 |  |  |  |  |
| Minimum of Months | 908.75 | 1436.24 |  | 0.00 | 0.00 |
| Maximum of Months | 1028.59 | 1484.15 |  | 0.00 | 0.00 |

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Report: **ENERGY CONSUMPTION - PURCHASED HEATING & COOLING**

For: **Meter**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | DISTRICTCOOLING:FACILITY [] | DISTRICTCOOLING:FACILITY [] | DISTRICTHEATING:FACILITY [kWh] | DISTRICTHEATING:FACILITY {Maximum}[W] | DISTRICTHEATING:FACILITY {TIMESTAMP} |
| January | 0.00 | 0.00 | 804.57 | 4747.65 | 01-JAN-12:15 |
| February | 0.00 | 0.00 | 726.71 | 4747.65 | 01-FEB-12:15 |
| March | 0.00 | 0.00 | 804.57 | 4747.65 | 01-MAR-12:15 |
| April | 0.00 | 0.00 | 778.61 | 4747.65 | 01-APR-12:15 |
| May | 0.00 | 0.00 | 804.57 | 4747.65 | 01-MAY-12:15 |
| June | 0.00 | 0.00 | 778.61 | 4747.65 | 01-JUN-12:15 |
| July | 0.00 | 0.00 | 804.57 | 4747.65 | 01-JUL-12:15 |
| August | 0.00 | 0.00 | 804.57 | 4747.65 | 01-AUG-12:15 |
| September | 0.00 | 0.00 | 778.61 | 4747.65 | 01-SEP-12:15 |
| October | 0.00 | 0.00 | 804.57 | 4747.65 | 01-OCT-12:15 |
| November | 0.00 | 0.00 | 778.61 | 4747.65 | 01-NOV-12:15 |
| December | 0.00 | 0.00 | 804.57 | 4747.65 | 01-DEC-12:15 |
|  |  |  |  |  |  |
| Annual Sum or Average |  |  | 9473.13 |  |  |
| Minimum of Months | 0.00 | 0.00 | 726.71 | 4747.65 |  |
| Maximum of Months | 0.00 | 0.00 | 804.57 | 4747.65 |  |

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Report: **END-USE ENERGY CONSUMPTION - ELECTRICITY**

For: **Meter**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | INTERIORLIGHTS:ELECTRICITY [kWh] | EXTERIORLIGHTS:ELECTRICITY [] | INTERIOREQUIPMENT:ELECTRICITY [kWh] | EXTERIOREQUIPMENT:ELECTRICITY [] | FANS:ELECTRICITY [kWh] | PUMPS:ELECTRICITY [kWh] | HEATING:ELECTRICITY [kWh] | COOLING:ELECTRICITY [kWh] | HEATREJECTION:ELECTRICITY [] | HUMIDIFIER:ELECTRICITY [] | HEATRECOVERY:ELECTRICITY [] | WATERSYSTEMS:ELECTRICITY [] | COGENERATION:ELECTRICITY [] |
| January | 1978.12 | 0.00 | 1139.60 | 0.00 | 205.50 | 42.45 | 0.00 | 1052.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| February | 1729.50 | 0.00 | 1016.00 | 0.00 | 180.40 | 37.68 | 0.00 | 966.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| March | 1830.37 | 0.00 | 1105.20 | 0.00 | 190.13 | 41.93 | 0.00 | 1127.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| April | 1895.25 | 0.00 | 1098.40 | 0.00 | 187.86 | 74.08 | 0.00 | 1306.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| May | 1978.12 | 0.00 | 1139.60 | 0.00 | 195.96 | 76.00 | 0.00 | 1316.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| June | 1747.50 | 0.00 | 1064.00 | 0.00 | 171.82 | 62.20 | 0.00 | 1012.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| July | 1978.12 | 0.00 | 1139.60 | 0.00 | 196.82 | 71.34 | 0.00 | 1149.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| August | 1904.25 | 0.00 | 1122.40 | 0.00 | 188.49 | 66.40 | 0.00 | 1043.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| September | 1821.37 | 0.00 | 1081.20 | 0.00 | 180.38 | 63.16 | 0.00 | 987.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| October | 1978.12 | 0.00 | 1139.60 | 0.00 | 211.64 | 36.43 | 0.00 | 850.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| November | 1821.37 | 0.00 | 1081.20 | 0.00 | 190.56 | 34.47 | 0.00 | 797.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| December | 1904.25 | 0.00 | 1122.40 | 0.00 | 198.10 | 37.17 | 0.00 | 879.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Annual Sum or Average | 22566.37 |  | 13249.20 |  | 2297.66 | 643.31 | 0.00 | 12487.96 |  |  |  |  |  |
| Minimum of Months | 1729.50 | 0.00 | 1016.00 | 0.00 | 171.82 | 34.47 | 0.00 | 797.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Maximum of Months | 1978.12 | 0.00 | 1139.60 | 0.00 | 211.64 | 76.00 | 0.00 | 1316.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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Report: **END-USE ENERGY CONSUMPTION - NATURAL GAS**

For: **Meter**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | INTERIOREQUIPMENT:GAS [] | EXTERIOREQUIPMENT:GAS [] | HEATING:GAS [kWh] | COOLING:GAS [] | WATERSYSTEMS:GAS [] | COGENERATION:GAS [kWh] |
| January | 0.00 | 0.00 | 517.23 | 0.00 | 0.00 | 3838.98 |
| February | 0.00 | 0.00 | 445.80 | 0.00 | 0.00 | 3466.56 |
| March | 0.00 | 0.00 | 437.79 | 0.00 | 0.00 | 3832.27 |
| April | 0.00 | 0.00 | 682.66 | 0.00 | 0.00 | 3716.03 |
| May | 0.00 | 0.00 | 746.72 | 0.00 | 0.00 | 3844.52 |
| June | 0.00 | 0.00 | 619.65 | 0.00 | 0.00 | 3755.85 |
| July | 0.00 | 0.00 | 725.42 | 0.00 | 0.00 | 3886.26 |
| August | 0.00 | 0.00 | 679.20 | 0.00 | 0.00 | 3890.34 |
| September | 0.00 | 0.00 | 653.39 | 0.00 | 0.00 | 3776.92 |
| October | 0.00 | 0.00 | 450.55 | 0.00 | 0.00 | 3890.29 |
| November | 0.00 | 0.00 | 442.16 | 0.00 | 0.00 | 3760.94 |
| December | 0.00 | 0.00 | 485.07 | 0.00 | 0.00 | 3853.33 |
|  |  |  |  |  |  |  |
| Annual Sum or Average |  |  | 6885.66 |  |  | 45512.30 |
| Minimum of Months | 0.00 | 0.00 | 437.79 | 0.00 | 0.00 | 3466.56 |
| Maximum of Months | 0.00 | 0.00 | 746.72 | 0.00 | 0.00 | 3890.34 |

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Report: **PEAK ENERGY END-USE - ELECTRICITY PART 1**

For: **Meter**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | INTERIORLIGHTS:ELECTRICITY {Maximum}[W] | INTERIORLIGHTS:ELECTRICITY {TIMESTAMP} | EXTERIORLIGHTS:ELECTRICITY [] | INTERIOREQUIPMENT:ELECTRICITY {Maximum}[W] | INTERIOREQUIPMENT:ELECTRICITY {TIMESTAMP} | EXTERIOREQUIPMENT:ELECTRICITY [] | FANS:ELECTRICITY {Maximum}[W] | FANS:ELECTRICITY {TIMESTAMP} | PUMPS:ELECTRICITY {Maximum}[W] | PUMPS:ELECTRICITY {TIMESTAMP} | HEATING:ELECTRICITY {Maximum}[W] | HEATING:ELECTRICITY {TIMESTAMP} |
| January | 7500.00 | 01-JAN-10:15 | 0.00 | 4500.00 | 01-JAN-09:15 | 0.00 | 808.58 | 31-JAN-14:00 | 178.97 | 22-JAN-17:00 | 0.00 | 01-JAN-00:15 |
| February | 7500.00 | 01-FEB-10:15 | 0.00 | 4500.00 | 01-FEB-09:15 | 0.00 | 831.06 | 27-FEB-14:00 | 190.94 | 22-FEB-15:00 | 0.00 | 01-FEB-00:15 |
| March | 7500.00 | 01-MAR-10:15 | 0.00 | 4500.00 | 01-MAR-09:15 | 0.00 | 853.80 | 22-MAR-10:00 | 189.67 | 22-MAR-15:45 | 0.00 | 01-MAR-00:15 |
| April | 7500.00 | 01-APR-10:15 | 0.00 | 4500.00 | 01-APR-09:15 | 0.00 | 703.50 | 12-APR-10:30 | 310.56 | 01-APR-06:45 | 0.00 | 01-APR-00:15 |
| May | 7500.00 | 01-MAY-10:15 | 0.00 | 4500.00 | 01-MAY-09:15 | 0.00 | 713.58 | 21-MAY-10:00 | 296.77 | 06-MAY-13:15 | 0.00 | 01-MAY-00:15 |
| June | 7500.00 | 03-JUN-10:15 | 0.00 | 4500.00 | 03-JUN-09:15 | 0.00 | 717.17 | 12-JUN-10:30 | 294.60 | 21-JUN-16:30 | 0.00 | 01-JUN-00:15 |
| July | 7500.00 | 01-JUL-10:15 | 0.00 | 4500.00 | 01-JUL-09:15 | 0.00 | 751.16 | 12-JUL-10:30 | 301.54 | 26-JUL-06:15 | 0.00 | 01-JUL-00:15 |
| August | 7500.00 | 01-AUG-10:15 | 0.00 | 4500.00 | 01-AUG-09:15 | 0.00 | 749.73 | 01-AUG-10:30 | 292.53 | 13-AUG-06:15 | 0.00 | 01-AUG-00:15 |
| September | 7500.00 | 02-SEP-10:15 | 0.00 | 4500.00 | 02-SEP-09:15 | 0.00 | 698.00 | 02-SEP-10:45 | 286.24 | 24-SEP-16:30 | 0.00 | 01-SEP-00:15 |
| October | 7500.00 | 01-OCT-10:15 | 0.00 | 4500.00 | 01-OCT-09:15 | 0.00 | 826.07 | 11-OCT-14:00 | 157.57 | 17-OCT-16:00 | 0.00 | 01-OCT-00:15 |
| November | 7500.00 | 01-NOV-10:15 | 0.00 | 4500.00 | 01-NOV-09:15 | 0.00 | 820.03 | 13-NOV-15:00 | 170.36 | 19-NOV-17:00 | 0.00 | 01-NOV-00:15 |
| December | 7500.00 | 02-DEC-10:15 | 0.00 | 4500.00 | 02-DEC-09:15 | 0.00 | 800.15 | 12-DEC-14:00 | 169.46 | 16-DEC-15:00 | 0.00 | 01-DEC-00:15 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Annual Sum or Average |  |  |  |  |  |  |  |  |  |  |  |  |
| Minimum of Months | 7500.00 |  | 0.00 | 4500.00 |  | 0.00 | 698.00 |  | 157.57 |  | 0.00 |  |
| Maximum of Months | 7500.00 |  | 0.00 | 4500.00 |  | 0.00 | 853.80 |  | 310.56 |  | 0.00 |  |

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Report: **PEAK ENERGY END-USE - ELECTRICITY PART 2**

For: **Meter**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | COOLING:ELECTRICITY {Maximum}[W] | COOLING:ELECTRICITY {TIMESTAMP} | HEATREJECTION:ELECTRICITY [] | HUMIDIFIER:ELECTRICITY [] | HEATRECOVERY:ELECTRICITY [] | WATERSYSTEMS:ELECTRICITY [] | COGENERATION:ELECTRICITY [] |
| January | 5713.49 | 22-JAN-14:00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| February | 7499.95 | 22-FEB-15:00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| March | 7086.84 | 22-MAR-10:00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| April | 7363.25 | 11-APR-15:00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| May | 6945.70 | 06-MAY-13:00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| June | 6462.11 | 19-JUN-14:00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| July | 6002.62 | 29-JUL-14:00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| August | 5560.35 | 28-AUG-15:00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| September | 5834.48 | 24-SEP-14:00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| October | 5060.22 | 11-OCT-14:00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| November | 5141.55 | 19-NOV-15:00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| December | 5479.38 | 16-DEC-15:00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|  |  |  |  |  |  |  |  |
| Annual Sum or Average |  |  |  |  |  |  |  |
| Minimum of Months | 5060.22 |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Maximum of Months | 7499.95 |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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Report: **ELECTRIC COMPONENTS OF PEAK DEMAND**

For: **Meter**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | ELECTRICITY:FACILITY {Maximum}[W] | ELECTRICITY:FACILITY {TIMESTAMP} | INTERIORLIGHTS:ELECTRICITY {AT MAX/MIN} [W] | INTERIOREQUIPMENT:ELECTRICITY {AT MAX/MIN} [W] | EXTERIORLIGHTS:ELECTRICITY [] | EXTERIOREQUIPMENT:ELECTRICITY [] | FANS:ELECTRICITY {AT MAX/MIN} [W] | PUMPS:ELECTRICITY {AT MAX/MIN} [W] | HEATING:ELECTRICITY {AT MAX/MIN} [W] | COOLING:ELECTRICITY {AT MAX/MIN} [W] | HEATREJECTION:ELECTRICITY [] |
| January | 18092.27 | 21-JAN-10:00 | 7500.00 | 4500.00 | 0.00 | 0.00 | 739.29 | 151.73 | 0.00 | 5201.25 | 0.00 |
| February | 19431.05 | 22-FEB-15:00 | 7500.00 | 3500.00 | 0.00 | 0.00 | 740.15 | 190.94 | 0.00 | 7499.95 | 0.00 |
| March | 20112.67 | 22-MAR-10:00 | 7500.00 | 4500.00 | 0.00 | 0.00 | 853.80 | 172.04 | 0.00 | 7086.84 | 0.00 |
| April | 19772.28 | 11-APR-14:00 | 7500.00 | 4000.00 | 0.00 | 0.00 | 619.31 | 292.80 | 0.00 | 7360.16 | 0.00 |
| May | 19267.76 | 06-MAY-10:00 | 7500.00 | 4500.00 | 0.00 | 0.00 | 623.14 | 290.01 | 0.00 | 6354.60 | 0.00 |
| June | 18884.57 | 19-JUN-14:00 | 7500.00 | 4000.00 | 0.00 | 0.00 | 635.67 | 286.79 | 0.00 | 6462.11 | 0.00 |
| July | 18428.18 | 29-JUL-14:00 | 7500.00 | 4000.00 | 0.00 | 0.00 | 657.30 | 268.26 | 0.00 | 6002.62 | 0.00 |
| August | 18435.29 | 01-AUG-10:00 | 7500.00 | 4500.00 | 0.00 | 0.00 | 734.72 | 232.72 | 0.00 | 5467.85 | 0.00 |
| September | 18469.92 | 04-SEP-10:00 | 7500.00 | 4500.00 | 0.00 | 0.00 | 679.65 | 248.40 | 0.00 | 5541.87 | 0.00 |
| October | 17526.28 | 11-OCT-14:00 | 7500.00 | 4000.00 | 0.00 | 0.00 | 826.07 | 139.99 | 0.00 | 5060.22 | 0.00 |
| November | 17577.38 | 11-NOV-14:00 | 7500.00 | 4000.00 | 0.00 | 0.00 | 810.68 | 141.13 | 0.00 | 5125.57 | 0.00 |
| December | 17753.05 | 19-DEC-14:00 | 7500.00 | 4000.00 | 0.00 | 0.00 | 709.36 | 161.40 | 0.00 | 5382.29 | 0.00 |
|  |  |  |  |  |  |  |  |  |  |  |  |
| Annual Sum or Average |  |  |  |  |  |  |  |  |  |  |  |
| Minimum of Months | 17526.28 |  | 7500.00 | 3500.00 | 0.00 | 0.00 | 619.31 | 139.99 | 0.00 | 5060.22 | 0.00 |
| Maximum of Months | 20112.67 |  | 7500.00 | 4500.00 | 0.00 | 0.00 | 853.80 | 292.80 | 0.00 | 7499.95 | 0.00 |

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Report: **PEAK ENERGY END-USE - NATURAL GAS**

For: **Meter**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | INTERIOREQUIPMENT:GAS [] | EXTERIOREQUIPMENT:GAS [] | HEATING:GAS {Maximum}[W] | HEATING:GAS {TIMESTAMP} | COOLING:GAS [] | WATERSYSTEMS:GAS [] | COGENERATION:GAS {Maximum}[W] | COGENERATION:GAS {TIMESTAMP} |
| January | 0.00 | 0.00 | 24748.86 | 16-JAN-06:15 | 0.00 | 0.00 | 5377.52 | 24-JAN-05:00 |
| February | 0.00 | 0.00 | 24877.18 | 15-FEB-06:15 | 0.00 | 0.00 | 5374.20 | 09-FEB-05:00 |
| March | 0.00 | 0.00 | 19226.72 | 05-MAR-06:15 | 0.00 | 0.00 | 5354.27 | 09-MAR-05:00 |
| April | 0.00 | 0.00 | 21516.42 | 30-APR-06:15 | 0.00 | 0.00 | 5357.59 | 30-APR-05:00 |
| May | 0.00 | 0.00 | 24865.83 | 10-MAY-06:15 | 0.00 | 0.00 | 5370.87 | 10-MAY-05:00 |
| June | 0.00 | 0.00 | 25256.88 | 04-JUN-06:15 | 0.00 | 0.00 | 5424.22 | 09-JUN-05:00 |
| July | 0.00 | 0.00 | 25562.40 | 16-JUL-06:15 | 0.00 | 0.00 | 5434.26 | 16-JUL-05:00 |
| August | 0.00 | 0.00 | 24591.67 | 05-AUG-06:15 | 0.00 | 0.00 | 5461.11 | 05-AUG-05:00 |
| September | 0.00 | 0.00 | 25979.51 | 12-SEP-06:15 | 0.00 | 0.00 | 5467.84 | 12-SEP-05:00 |
| October | 0.00 | 0.00 | 22124.45 | 02-OCT-06:15 | 0.00 | 0.00 | 5454.39 | 02-OCT-05:00 |
| November | 0.00 | 0.00 | 22368.84 | 15-NOV-06:15 | 0.00 | 0.00 | 5461.11 | 15-NOV-05:00 |
| December | 0.00 | 0.00 | 21731.02 | 13-DEC-06:15 | 0.00 | 0.00 | 5397.50 | 28-DEC-05:00 |
|  |  |  |  |  |  |  |  |  |
| Annual Sum or Average |  |  |  |  |  |  |  |  |
| Minimum of Months | 0.00 | 0.00 | 19226.72 |  | 0.00 | 0.00 | 5354.27 |  |
| Maximum of Months | 0.00 | 0.00 | 25979.51 |  | 0.00 | 0.00 | 5467.84 |  |

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Report: **SETPOINTS NOT MET WITH TEMPERATURES**

For: **PLENUM-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | ZONE HEATING SETPOINT NOT MET TIME {HOURS NON-ZERO} [HOURS] | ZONE MEAN AIR TEMPERATURE {FOR HOURS SHOWN} [C] | ZONE HEATING SETPOINT NOT MET WHILE OCCUPIED TIME {HOURS NON-ZERO} [HOURS] | ZONE MEAN AIR TEMPERATURE {FOR HOURS SHOWN} [C] | ZONE COOLING SETPOINT NOT MET TIME {HOURS NON-ZERO} [HOURS] | ZONE MEAN AIR TEMPERATURE {FOR HOURS SHOWN} [C] | ZONE COOLING SETPOINT NOT MET WHILE OCCUPIED TIME {HOURS NON-ZERO} [HOURS] | ZONE MEAN AIR TEMPERATURE {FOR HOURS SHOWN} [C] |
| January | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| February | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| March | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| April | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| May | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| June | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| July | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| August | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| September | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| October | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| November | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| December | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|  |  |  |  |  |  |  |  |  |
| Annual Sum or Average | 0.00 |  | 0.00 |  | 0.00 |  | 0.00 |  |
| Minimum of Months | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Maximum of Months | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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Report: **SETPOINTS NOT MET WITH TEMPERATURES**

For: **SPACE1-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | ZONE HEATING SETPOINT NOT MET TIME {HOURS NON-ZERO} [HOURS] | ZONE MEAN AIR TEMPERATURE {FOR HOURS SHOWN} [C] | ZONE HEATING SETPOINT NOT MET WHILE OCCUPIED TIME {HOURS NON-ZERO} [HOURS] | ZONE MEAN AIR TEMPERATURE {FOR HOURS SHOWN} [C] | ZONE COOLING SETPOINT NOT MET TIME {HOURS NON-ZERO} [HOURS] | ZONE MEAN AIR TEMPERATURE {FOR HOURS SHOWN} [C] | ZONE COOLING SETPOINT NOT MET WHILE OCCUPIED TIME {HOURS NON-ZERO} [HOURS] | ZONE MEAN AIR TEMPERATURE {FOR HOURS SHOWN} [C] |
| January | 0.00 | 0.00 | 0.00 | 0.00 | 12.75 | 24.42 | 12.75 | 24.42 |
| February | 0.00 | 0.00 | 0.00 | 0.00 | 3.00 | 24.21 | 3.00 | 24.21 |
| March | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| April | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| May | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| June | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| July | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| August | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| September | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| October | 0.00 | 0.00 | 0.00 | 0.00 | 3.00 | 24.16 | 3.00 | 24.16 |
| November | 0.00 | 0.00 | 0.00 | 0.00 | 14.25 | 24.32 | 14.25 | 24.32 |
| December | 0.00 | 0.00 | 0.00 | 0.00 | 21.75 | 24.68 | 21.75 | 24.68 |
|  |  |  |  |  |  |  |  |  |
| Annual Sum or Average | 0.00 |  | 0.00 |  | 54.75 | 24.47 | 54.75 | 24.47 |
| Minimum of Months | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Maximum of Months | 0.00 | 0.00 | 0.00 | 0.00 | 21.75 | 24.68 | 21.75 | 24.68 |

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Report: **SETPOINTS NOT MET WITH TEMPERATURES**

For: **SPACE2-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | ZONE HEATING SETPOINT NOT MET TIME {HOURS NON-ZERO} [HOURS] | ZONE MEAN AIR TEMPERATURE {FOR HOURS SHOWN} [C] | ZONE HEATING SETPOINT NOT MET WHILE OCCUPIED TIME {HOURS NON-ZERO} [HOURS] | ZONE MEAN AIR TEMPERATURE {FOR HOURS SHOWN} [C] | ZONE COOLING SETPOINT NOT MET TIME {HOURS NON-ZERO} [HOURS] | ZONE MEAN AIR TEMPERATURE {FOR HOURS SHOWN} [C] | ZONE COOLING SETPOINT NOT MET WHILE OCCUPIED TIME {HOURS NON-ZERO} [HOURS] | ZONE MEAN AIR TEMPERATURE {FOR HOURS SHOWN} [C] |
| January | 0.00 | 0.00 | 0.00 | 0.00 | 50.75 | 26.67 | 35.25 | 25.03 |
| February | 0.00 | 0.00 | 0.00 | 0.00 | 29.75 | 25.19 | 27.25 | 24.77 |
| March | 0.00 | 0.00 | 0.00 | 0.00 | 27.25 | 25.53 | 24.00 | 24.90 |
| April | 0.00 | 0.00 | 0.00 | 0.00 | 1.25 | 29.83 | 0.00 | 0.00 |
| May | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| June | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| July | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| August | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| September | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| October | 0.00 | 0.00 | 0.00 | 0.00 | 48.75 | 25.06 | 46.50 | 24.80 |
| November | 0.00 | 0.00 | 0.00 | 0.00 | 42.75 | 25.10 | 42.75 | 25.10 |
| December | 0.00 | 0.00 | 0.00 | 0.00 | 48.00 | 25.63 | 42.50 | 25.06 |
|  |  |  |  |  |  |  |  |  |
| Annual Sum or Average | 0.00 |  | 0.00 |  | 248.50 | 25.59 | 218.25 | 24.95 |
| Minimum of Months | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Maximum of Months | 0.00 | 0.00 | 0.00 | 0.00 | 50.75 | 29.83 | 46.50 | 25.10 |

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Report: **SETPOINTS NOT MET WITH TEMPERATURES**

For: **SPACE3-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | ZONE HEATING SETPOINT NOT MET TIME {HOURS NON-ZERO} [HOURS] | ZONE MEAN AIR TEMPERATURE {FOR HOURS SHOWN} [C] | ZONE HEATING SETPOINT NOT MET WHILE OCCUPIED TIME {HOURS NON-ZERO} [HOURS] | ZONE MEAN AIR TEMPERATURE {FOR HOURS SHOWN} [C] | ZONE COOLING SETPOINT NOT MET TIME {HOURS NON-ZERO} [HOURS] | ZONE MEAN AIR TEMPERATURE {FOR HOURS SHOWN} [C] | ZONE COOLING SETPOINT NOT MET WHILE OCCUPIED TIME {HOURS NON-ZERO} [HOURS] | ZONE MEAN AIR TEMPERATURE {FOR HOURS SHOWN} [C] |
| January | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| February | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| March | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| April | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| May | 0.00 | 0.00 | 0.00 | 0.00 | 6.50 | 29.99 | 0.00 | 0.00 |
| June | 0.00 | 0.00 | 0.00 | 0.00 | 6.25 | 30.17 | 0.00 | 0.00 |
| July | 0.00 | 0.00 | 0.00 | 0.00 | 5.25 | 30.17 | 0.00 | 0.00 |
| August | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| September | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| October | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| November | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| December | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|  |  |  |  |  |  |  |  |  |
| Annual Sum or Average | 0.00 |  | 0.00 |  | 18.00 | 30.11 | 0.00 |  |
| Minimum of Months | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Maximum of Months | 0.00 | 0.00 | 0.00 | 0.00 | 6.50 | 30.17 | 0.00 | 0.00 |

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Report: **SETPOINTS NOT MET WITH TEMPERATURES**

For: **SPACE4-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | ZONE HEATING SETPOINT NOT MET TIME {HOURS NON-ZERO} [HOURS] | ZONE MEAN AIR TEMPERATURE {FOR HOURS SHOWN} [C] | ZONE HEATING SETPOINT NOT MET WHILE OCCUPIED TIME {HOURS NON-ZERO} [HOURS] | ZONE MEAN AIR TEMPERATURE {FOR HOURS SHOWN} [C] | ZONE COOLING SETPOINT NOT MET TIME {HOURS NON-ZERO} [HOURS] | ZONE MEAN AIR TEMPERATURE {FOR HOURS SHOWN} [C] | ZONE COOLING SETPOINT NOT MET WHILE OCCUPIED TIME {HOURS NON-ZERO} [HOURS] | ZONE MEAN AIR TEMPERATURE {FOR HOURS SHOWN} [C] |
| January | 0.00 | 0.00 | 0.00 | 0.00 | 1.75 | 29.73 | 0.00 | 0.00 |
| February | 0.00 | 0.00 | 0.00 | 0.00 | 1.75 | 30.05 | 0.00 | 0.00 |
| March | 0.00 | 0.00 | 0.00 | 0.00 | 13.50 | 30.55 | 0.00 | 0.00 |
| April | 0.00 | 0.00 | 0.00 | 0.00 | 7.50 | 31.66 | 0.00 | 0.00 |
| May | 0.00 | 0.00 | 0.00 | 0.00 | 25.00 | 31.74 | 0.00 | 0.00 |
| June | 0.00 | 0.00 | 0.00 | 0.00 | 12.00 | 31.92 | 0.00 | 0.00 |
| July | 0.00 | 0.00 | 0.00 | 0.00 | 11.75 | 31.61 | 0.00 | 0.00 |
| August | 0.00 | 0.00 | 0.00 | 0.00 | 9.25 | 31.32 | 0.00 | 0.00 |
| September | 0.00 | 0.00 | 0.00 | 0.00 | 14.75 | 30.96 | 0.00 | 0.00 |
| October | 0.00 | 0.00 | 0.00 | 0.00 | 4.75 | 30.20 | 0.00 | 0.00 |
| November | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 29.63 | 0.00 | 0.00 |
| December | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|  |  |  |  |  |  |  |  |  |
| Annual Sum or Average | 0.00 |  | 0.00 |  | 102.50 | 31.29 | 0.00 |  |
| Minimum of Months | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Maximum of Months | 0.00 | 0.00 | 0.00 | 0.00 | 25.00 | 31.92 | 0.00 | 0.00 |

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Report: **SETPOINTS NOT MET WITH TEMPERATURES**

For: **SPACE5-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | ZONE HEATING SETPOINT NOT MET TIME {HOURS NON-ZERO} [HOURS] | ZONE MEAN AIR TEMPERATURE {FOR HOURS SHOWN} [C] | ZONE HEATING SETPOINT NOT MET WHILE OCCUPIED TIME {HOURS NON-ZERO} [HOURS] | ZONE MEAN AIR TEMPERATURE {FOR HOURS SHOWN} [C] | ZONE COOLING SETPOINT NOT MET TIME {HOURS NON-ZERO} [HOURS] | ZONE MEAN AIR TEMPERATURE {FOR HOURS SHOWN} [C] | ZONE COOLING SETPOINT NOT MET WHILE OCCUPIED TIME {HOURS NON-ZERO} [HOURS] | ZONE MEAN AIR TEMPERATURE {FOR HOURS SHOWN} [C] |
| January | 0.25 | 21.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| February | 0.25 | 21.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| March | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| April | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| May | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| June | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| July | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| August | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| September | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| October | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| November | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| December | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|  |  |  |  |  |  |  |  |  |
| Annual Sum or Average | 0.50 | 21.97 | 0.00 |  | 0.00 |  | 0.00 |  |
| Minimum of Months | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Maximum of Months | 0.25 | 21.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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Report: **COMFORT REPORT - SIMPLE 55**

For: **PLENUM-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | ZONE THERMAL COMFORT ASHRAE 55 SIMPLE MODEL SUMMER CLOTHES NOT COMFORTABLE TIME {HOURS NON-ZERO} [HOURS] | ZONE MEAN AIR TEMPERATURE {FOR HOURS SHOWN} [C] | ZONE THERMAL COMFORT ASHRAE 55 SIMPLE MODEL WINTER CLOTHES NOT COMFORTABLE TIME {HOURS NON-ZERO} [HOURS] | ZONE MEAN AIR TEMPERATURE {FOR HOURS SHOWN} [C] | ZONE THERMAL COMFORT ASHRAE 55 SIMPLE MODEL SUMMER OR WINTER CLOTHES NOT COMFORTABLE TIME {HOURS NON-ZERO} [HOURS] | ZONE MEAN AIR TEMPERATURE {FOR HOURS SHOWN} [C] |
| January | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| February | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| March | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| April | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| May | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| June | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| July | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| August | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| September | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| October | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| November | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| December | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|  |  |  |  |  |  |  |
| Annual Sum or Average | 0.00 |  | 0.00 |  | 0.00 |  |
| Minimum of Months | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Maximum of Months | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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Report: **COMFORT REPORT - SIMPLE 55**

For: **SPACE1-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | ZONE THERMAL COMFORT ASHRAE 55 SIMPLE MODEL SUMMER CLOTHES NOT COMFORTABLE TIME {HOURS NON-ZERO} [HOURS] | ZONE MEAN AIR TEMPERATURE {FOR HOURS SHOWN} [C] | ZONE THERMAL COMFORT ASHRAE 55 SIMPLE MODEL WINTER CLOTHES NOT COMFORTABLE TIME {HOURS NON-ZERO} [HOURS] | ZONE MEAN AIR TEMPERATURE {FOR HOURS SHOWN} [C] | ZONE THERMAL COMFORT ASHRAE 55 SIMPLE MODEL SUMMER OR WINTER CLOTHES NOT COMFORTABLE TIME {HOURS NON-ZERO} [HOURS] | ZONE MEAN AIR TEMPERATURE {FOR HOURS SHOWN} [C] |
| January | 235.75 | 23.74 | 238.00 | 23.82 | 221.50 | 23.82 |
| February | 204.25 | 23.72 | 208.50 | 23.80 | 192.75 | 23.79 |
| March | 219.75 | 23.73 | 219.50 | 23.80 | 208.25 | 23.79 |
| April | 67.25 | 22.91 | 112.25 | 23.90 | 0.00 | 0.00 |
| May | 93.00 | 22.97 | 82.25 | 23.90 | 0.00 | 0.00 |
| June | 60.00 | 22.83 | 90.50 | 23.90 | 0.00 | 0.00 |
| July | 79.75 | 22.91 | 101.75 | 23.90 | 0.00 | 0.00 |
| August | 68.00 | 22.89 | 108.00 | 23.90 | 0.00 | 0.00 |
| September | 70.75 | 22.97 | 125.50 | 23.90 | 0.00 | 0.00 |
| October | 196.50 | 23.71 | 232.00 | 23.82 | 180.25 | 23.80 |
| November | 145.50 | 23.64 | 197.00 | 23.84 | 126.50 | 23.76 |
| December | 182.00 | 23.74 | 225.75 | 23.88 | 167.50 | 23.84 |
|  |  |  |  |  |  |  |
| Annual Sum or Average | 1622.50 | 23.50 | 1941.00 | 23.85 | 1096.75 | 23.80 |
| Minimum of Months | 60.00 | 22.83 | 82.25 | 23.80 | 0.00 | 0.00 |
| Maximum of Months | 235.75 | 23.74 | 238.00 | 23.90 | 221.50 | 23.84 |

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Report: **COMFORT REPORT - SIMPLE 55**

For: **SPACE2-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | ZONE THERMAL COMFORT ASHRAE 55 SIMPLE MODEL SUMMER CLOTHES NOT COMFORTABLE TIME {HOURS NON-ZERO} [HOURS] | ZONE MEAN AIR TEMPERATURE {FOR HOURS SHOWN} [C] | ZONE THERMAL COMFORT ASHRAE 55 SIMPLE MODEL WINTER CLOTHES NOT COMFORTABLE TIME {HOURS NON-ZERO} [HOURS] | ZONE MEAN AIR TEMPERATURE {FOR HOURS SHOWN} [C] | ZONE THERMAL COMFORT ASHRAE 55 SIMPLE MODEL SUMMER OR WINTER CLOTHES NOT COMFORTABLE TIME {HOURS NON-ZERO} [HOURS] | ZONE MEAN AIR TEMPERATURE {FOR HOURS SHOWN} [C] |
| January | 201.75 | 23.83 | 245.00 | 23.93 | 194.50 | 23.88 |
| February | 170.00 | 23.80 | 211.75 | 23.91 | 162.50 | 23.85 |
| March | 190.00 | 23.84 | 223.25 | 23.90 | 183.00 | 23.89 |
| April | 51.75 | 22.73 | 161.75 | 23.90 | 0.00 | 0.00 |
| May | 82.50 | 22.79 | 132.00 | 23.90 | 0.00 | 0.00 |
| June | 45.75 | 22.72 | 148.75 | 23.90 | 0.00 | 0.00 |
| July | 59.25 | 22.77 | 153.25 | 23.90 | 0.00 | 0.00 |
| August | 51.25 | 22.74 | 164.75 | 23.90 | 0.00 | 0.00 |
| September | 53.25 | 22.79 | 156.75 | 23.90 | 0.00 | 0.00 |
| October | 157.75 | 23.88 | 245.75 | 23.98 | 152.50 | 23.92 |
| November | 130.50 | 23.88 | 215.25 | 24.04 | 121.00 | 23.96 |
| December | 160.75 | 23.87 | 232.50 | 23.99 | 153.00 | 23.93 |
|  |  |  |  |  |  |  |
| Annual Sum or Average | 1354.50 | 23.57 | 2290.75 | 23.93 | 966.50 | 23.90 |
| Minimum of Months | 45.75 | 22.72 | 132.00 | 23.90 | 0.00 | 0.00 |
| Maximum of Months | 201.75 | 23.88 | 245.75 | 24.04 | 194.50 | 23.96 |

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Report: **COMFORT REPORT - SIMPLE 55**

For: **SPACE3-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | ZONE THERMAL COMFORT ASHRAE 55 SIMPLE MODEL SUMMER CLOTHES NOT COMFORTABLE TIME {HOURS NON-ZERO} [HOURS] | ZONE MEAN AIR TEMPERATURE {FOR HOURS SHOWN} [C] | ZONE THERMAL COMFORT ASHRAE 55 SIMPLE MODEL WINTER CLOTHES NOT COMFORTABLE TIME {HOURS NON-ZERO} [HOURS] | ZONE MEAN AIR TEMPERATURE {FOR HOURS SHOWN} [C] | ZONE THERMAL COMFORT ASHRAE 55 SIMPLE MODEL SUMMER OR WINTER CLOTHES NOT COMFORTABLE TIME {HOURS NON-ZERO} [HOURS] | ZONE MEAN AIR TEMPERATURE {FOR HOURS SHOWN} [C] |
| January | 228.75 | 23.25 | 217.50 | 23.46 | 195.00 | 23.41 |
| February | 194.50 | 23.35 | 189.25 | 23.58 | 165.00 | 23.53 |
| March | 196.50 | 23.41 | 203.75 | 23.61 | 172.00 | 23.56 |
| April | 110.50 | 22.42 | 94.00 | 23.77 | 0.00 | 0.00 |
| May | 150.00 | 22.41 | 80.75 | 23.82 | 0.00 | 0.00 |
| June | 86.75 | 22.44 | 113.25 | 23.83 | 0.00 | 0.00 |
| July | 112.75 | 22.39 | 119.50 | 23.82 | 0.00 | 0.00 |
| August | 110.25 | 22.43 | 94.25 | 23.77 | 0.00 | 0.00 |
| September | 113.00 | 22.39 | 75.25 | 23.74 | 0.00 | 0.00 |
| October | 189.00 | 23.35 | 211.75 | 23.64 | 152.50 | 23.56 |
| November | 153.00 | 23.12 | 170.25 | 23.53 | 109.75 | 23.35 |
| December | 185.50 | 23.15 | 195.00 | 23.47 | 145.75 | 23.35 |
|  |  |  |  |  |  |  |
| Annual Sum or Average | 1830.50 | 22.95 | 1764.50 | 23.63 | 940.00 | 23.47 |
| Minimum of Months | 86.75 | 22.39 | 75.25 | 23.46 | 0.00 | 0.00 |
| Maximum of Months | 228.75 | 23.41 | 217.50 | 23.83 | 195.00 | 23.56 |

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Report: **COMFORT REPORT - SIMPLE 55**

For: **SPACE4-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | ZONE THERMAL COMFORT ASHRAE 55 SIMPLE MODEL SUMMER CLOTHES NOT COMFORTABLE TIME {HOURS NON-ZERO} [HOURS] | ZONE MEAN AIR TEMPERATURE {FOR HOURS SHOWN} [C] | ZONE THERMAL COMFORT ASHRAE 55 SIMPLE MODEL WINTER CLOTHES NOT COMFORTABLE TIME {HOURS NON-ZERO} [HOURS] | ZONE MEAN AIR TEMPERATURE {FOR HOURS SHOWN} [C] | ZONE THERMAL COMFORT ASHRAE 55 SIMPLE MODEL SUMMER OR WINTER CLOTHES NOT COMFORTABLE TIME {HOURS NON-ZERO} [HOURS] | ZONE MEAN AIR TEMPERATURE {FOR HOURS SHOWN} [C] |
| January | 192.75 | 22.77 | 172.50 | 23.15 | 128.50 | 22.97 |
| February | 165.50 | 22.88 | 157.50 | 23.32 | 109.50 | 23.16 |
| March | 182.75 | 22.94 | 169.75 | 23.30 | 129.25 | 23.18 |
| April | 164.75 | 22.25 | 60.75 | 23.74 | 0.00 | 0.00 |
| May | 186.50 | 22.23 | 56.50 | 23.79 | 0.00 | 0.00 |
| June | 139.25 | 22.26 | 66.50 | 23.76 | 0.00 | 0.00 |
| July | 170.75 | 22.25 | 65.75 | 23.75 | 0.00 | 0.00 |
| August | 159.00 | 22.25 | 70.00 | 23.72 | 0.00 | 0.00 |
| September | 147.50 | 22.25 | 72.50 | 23.74 | 0.00 | 0.00 |
| October | 141.75 | 22.75 | 171.00 | 23.44 | 76.00 | 23.06 |
| November | 157.00 | 22.71 | 142.50 | 23.26 | 84.75 | 22.90 |
| December | 158.75 | 22.69 | 150.75 | 23.24 | 89.50 | 22.91 |
|  |  |  |  |  |  |  |
| Annual Sum or Average | 1966.25 | 22.52 | 1356.00 | 23.42 | 617.50 | 23.04 |
| Minimum of Months | 139.25 | 22.23 | 56.50 | 23.15 | 0.00 | 0.00 |
| Maximum of Months | 192.75 | 22.94 | 172.50 | 23.79 | 129.25 | 23.18 |

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Report: **COMFORT REPORT - SIMPLE 55**

For: **SPACE5-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | ZONE THERMAL COMFORT ASHRAE 55 SIMPLE MODEL SUMMER CLOTHES NOT COMFORTABLE TIME {HOURS NON-ZERO} [HOURS] | ZONE MEAN AIR TEMPERATURE {FOR HOURS SHOWN} [C] | ZONE THERMAL COMFORT ASHRAE 55 SIMPLE MODEL WINTER CLOTHES NOT COMFORTABLE TIME {HOURS NON-ZERO} [HOURS] | ZONE MEAN AIR TEMPERATURE {FOR HOURS SHOWN} [C] | ZONE THERMAL COMFORT ASHRAE 55 SIMPLE MODEL SUMMER OR WINTER CLOTHES NOT COMFORTABLE TIME {HOURS NON-ZERO} [HOURS] | ZONE MEAN AIR TEMPERATURE {FOR HOURS SHOWN} [C] |
| January | 253.00 | 23.74 | 240.50 | 23.79 | 240.50 | 23.79 |
| February | 220.00 | 23.74 | 209.75 | 23.79 | 209.75 | 23.79 |
| March | 231.00 | 23.75 | 221.00 | 23.80 | 221.00 | 23.80 |
| April | 144.50 | 23.54 | 0.25 | 23.39 | 0.25 | 23.39 |
| May | 153.75 | 23.55 | 3.25 | 23.63 | 3.25 | 23.63 |
| June | 97.75 | 23.46 | 0.00 | 0.00 | 0.00 | 0.00 |
| July | 108.75 | 23.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| August | 99.00 | 23.47 | 0.00 | 0.00 | 0.00 | 0.00 |
| September | 91.25 | 23.45 | 0.50 | 23.41 | 0.50 | 23.41 |
| October | 235.00 | 23.77 | 214.50 | 23.83 | 214.25 | 23.83 |
| November | 185.50 | 23.73 | 139.25 | 23.79 | 138.75 | 23.79 |
| December | 224.00 | 23.74 | 209.00 | 23.80 | 209.00 | 23.80 |
|  |  |  |  |  |  |  |
| Annual Sum or Average | 2043.50 | 23.66 | 1238.00 | 23.80 | 1237.25 | 23.80 |
| Minimum of Months | 91.25 | 23.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| Maximum of Months | 253.00 | 23.77 | 240.50 | 23.83 | 240.50 | 23.83 |

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Report: **OCCUPANT COMFORT DATA SUMMARY**

For: **SPACE1-1 PEOPLE 1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | PEOPLE OCCUPANT COUNT {HOURS NON-ZERO} [HOURS] | PEOPLE AIR TEMPERATURE {FOR HOURS SHOWN} [C] | PEOPLE AIR RELATIVE HUMIDITY {FOR HOURS SHOWN} [%] | ZONE THERMAL COMFORT FANGER MODEL PMV [] | ZONE THERMAL COMFORT FANGER MODEL PPD [] |
| January | 253.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| February | 220.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| March | 231.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| April | 242.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| May | 253.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| June | 220.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| July | 253.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| August | 242.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| September | 231.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| October | 253.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| November | 231.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| December | 242.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
|  |  |  |  |  |  |
| Annual Sum or Average | 2871.00000 | 0.00000 | 0.00000 |  |  |
| Minimum of Months | 220.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Maximum of Months | 253.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

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Report: **OCCUPANT COMFORT DATA SUMMARY**

For: **SPACE2-1 PEOPLE 1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | PEOPLE OCCUPANT COUNT {HOURS NON-ZERO} [HOURS] | PEOPLE AIR TEMPERATURE {FOR HOURS SHOWN} [C] | PEOPLE AIR RELATIVE HUMIDITY {FOR HOURS SHOWN} [%] | ZONE THERMAL COMFORT FANGER MODEL PMV [] | ZONE THERMAL COMFORT FANGER MODEL PPD [] |
| January | 253.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| February | 220.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| March | 231.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| April | 242.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| May | 253.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| June | 220.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| July | 253.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| August | 242.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| September | 231.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| October | 253.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| November | 231.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| December | 242.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
|  |  |  |  |  |  |
| Annual Sum or Average | 2871.00000 | 0.00000 | 0.00000 |  |  |
| Minimum of Months | 220.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Maximum of Months | 253.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

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Report: **OCCUPANT COMFORT DATA SUMMARY**

For: **SPACE3-1 PEOPLE 1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | PEOPLE OCCUPANT COUNT {HOURS NON-ZERO} [HOURS] | PEOPLE AIR TEMPERATURE {FOR HOURS SHOWN} [C] | PEOPLE AIR RELATIVE HUMIDITY {FOR HOURS SHOWN} [%] | ZONE THERMAL COMFORT FANGER MODEL PMV [] | ZONE THERMAL COMFORT FANGER MODEL PPD [] |
| January | 253.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| February | 220.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| March | 231.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| April | 242.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| May | 253.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| June | 220.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| July | 253.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| August | 242.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| September | 231.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| October | 253.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| November | 231.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| December | 242.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
|  |  |  |  |  |  |
| Annual Sum or Average | 2871.00000 | 0.00000 | 0.00000 |  |  |
| Minimum of Months | 220.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Maximum of Months | 253.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

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Report: **OCCUPANT COMFORT DATA SUMMARY**

For: **SPACE4-1 PEOPLE 1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | PEOPLE OCCUPANT COUNT {HOURS NON-ZERO} [HOURS] | PEOPLE AIR TEMPERATURE {FOR HOURS SHOWN} [C] | PEOPLE AIR RELATIVE HUMIDITY {FOR HOURS SHOWN} [%] | ZONE THERMAL COMFORT FANGER MODEL PMV [] | ZONE THERMAL COMFORT FANGER MODEL PPD [] |
| January | 253.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| February | 220.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| March | 231.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| April | 242.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| May | 253.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| June | 220.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| July | 253.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| August | 242.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| September | 231.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| October | 253.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| November | 231.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| December | 242.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
|  |  |  |  |  |  |
| Annual Sum or Average | 2871.00000 | 0.00000 | 0.00000 |  |  |
| Minimum of Months | 220.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Maximum of Months | 253.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

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Report: **OCCUPANT COMFORT DATA SUMMARY**

For: **SPACE5-1 PEOPLE 1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | PEOPLE OCCUPANT COUNT {HOURS NON-ZERO} [HOURS] | PEOPLE AIR TEMPERATURE {FOR HOURS SHOWN} [C] | PEOPLE AIR RELATIVE HUMIDITY {FOR HOURS SHOWN} [%] | ZONE THERMAL COMFORT FANGER MODEL PMV [] | ZONE THERMAL COMFORT FANGER MODEL PPD [] |
| January | 253.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| February | 220.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| March | 231.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| April | 242.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| May | 253.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| June | 220.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| July | 253.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| August | 242.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| September | 231.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| October | 253.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| November | 231.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| December | 242.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
|  |  |  |  |  |  |
| Annual Sum or Average | 2871.00000 | 0.00000 | 0.00000 |  |  |
| Minimum of Months | 220.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |
| Maximum of Months | 253.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |

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Report: **CHILLER REPORT**

For: **CENTRAL CHILLER**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | CHILLER ELECTRIC ENERGY [kWh] | CHILLER ELECTRIC POWER {Maximum}[W] | CHILLER ELECTRIC POWER {TIMESTAMP} | CHILLER ELECTRIC ENERGY {HOURS NON-ZERO} [HOURS] | CHILLER EVAPORATOR COOLING ENERGY [kWh] | CHILLER CONDENSER HEAT TRANSFER ENERGY [kWh] | CHILLER COP [W/W] | CHILLER COP {MINIMUM}[W/W] | CHILLER COP {TIMESTAMP} | CHILLER COP {Maximum}[W/W] | CHILLER COP {TIMESTAMP} |
| January | 1052.10 | 5713.49 | 22-JAN-15:00 | 322.00 | 4336.70 | 5388.80 | 1.77 | 0.00 | 01-JAN-00:15 | 4.30 | 09-JAN-06:13 |
| February | 966.22 | 7499.95 | 22-FEB-16:00 | 280.00 | 3971.46 | 4937.68 | 1.71 | 0.00 | 01-FEB-00:15 | 4.30 | 25-FEB-06:12 |
| March | 1127.13 | 7086.84 | 22-MAR-11:00 | 294.00 | 4655.55 | 5782.68 | 1.63 | 0.00 | 01-MAR-00:15 | 4.29 | 07-MAR-06:15 |
| April | 1306.72 | 7363.25 | 11-APR-16:00 | 308.00 | 5419.54 | 6726.26 | 1.78 | 0.00 | 01-APR-00:15 | 4.41 | 24-APR-06:03 |
| May | 1316.98 | 6945.70 | 06-MAY-14:00 | 322.00 | 5478.18 | 6795.15 | 1.81 | 0.00 | 01-MAY-00:15 | 4.40 | 10-MAY-06:05 |
| June | 1012.23 | 6462.11 | 19-JUN-15:00 | 280.00 | 4244.30 | 5256.52 | 1.63 | 0.00 | 01-JUN-00:15 | 4.39 | 11-JUN-06:03 |
| July | 1149.01 | 6002.62 | 29-JUL-15:00 | 322.00 | 4824.95 | 5973.96 | 1.82 | 0.00 | 01-JUL-00:15 | 4.40 | 12-JUL-06:03 |
| August | 1043.02 | 5560.35 | 28-AUG-16:00 | 308.00 | 4380.67 | 5423.69 | 1.73 | 0.00 | 01-AUG-00:15 | 4.41 | 01-AUG-06:03 |
| September | 987.66 | 5834.48 | 24-SEP-15:00 | 294.00 | 4148.96 | 5136.62 | 1.71 | 0.00 | 01-SEP-00:15 | 4.42 | 13-SEP-06:03 |
| October | 850.52 | 5060.22 | 11-OCT-15:00 | 322.00 | 3491.00 | 4341.52 | 1.74 | 0.00 | 01-OCT-00:15 | 4.31 | 24-OCT-11:00 |
| November | 797.19 | 5141.55 | 19-NOV-16:00 | 294.00 | 3269.37 | 4066.55 | 1.63 | 0.00 | 01-NOV-00:15 | 4.30 | 25-NOV-14:00 |
| December | 879.17 | 5479.38 | 16-DEC-16:00 | 308.00 | 3600.17 | 4479.34 | 1.68 | 0.00 | 01-DEC-00:15 | 4.26 | 19-DEC-06:15 |
|  |  |  |  |  |  |  |  |  |  |  |  |
| Annual Sum or Average | 12487.96 |  |  | 3654.00 | 51820.83 | 64308.78 | 1.72 |  |  |  |  |
| Minimum of Months | 797.19 | 5060.22 |  | 280.00 | 3269.37 | 4066.55 | 1.63 | 0.00 |  | 4.26 |  |
| Maximum of Months | 1316.98 | 7499.95 |  | 322.00 | 5478.18 | 6795.15 | 1.82 | 0.00 |  | 4.42 |  |

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Report: **BOILER REPORT**

For: **CENTRAL BOILER**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | BOILER HEATING ENERGY [kWh] | BOILER GAS ENERGY [kWh] | BOILER HEATING ENERGY {HOURS NON-ZERO} [HOURS] | BOILER HEATING RATE {Maximum}[W] | BOILER HEATING RATE {TIMESTAMP} | BOILER GAS RATE {Maximum}[W] | BOILER GAS RATE {TIMESTAMP} | BOILER INLET TEMPERATURE [C] | BOILER OUTLET TEMPERATURE [C] | BOILER MASS FLOW RATE [kg/s] | BOILER ANCILLARY ELECTRIC POWER [W] |
| January | 413.79 | 517.23 | 122.37 | 48308.48 | 03-JAN-06:03 | 60385.60 | 03-JAN-06:03 | 45.55 | 51.07 | 0.00 | 0.00 |
| February | 356.64 | 445.80 | 100.87 | 48308.48 | 01-FEB-06:03 | 60385.60 | 01-FEB-06:03 | 45.72 | 50.73 | 0.00 | 0.00 |
| March | 350.23 | 437.79 | 107.37 | 48308.48 | 01-MAR-06:03 | 60385.60 | 01-MAR-06:03 | 45.09 | 49.98 | 0.00 | 0.00 |
| April | 546.13 | 682.66 | 195.75 | 48308.48 | 02-APR-06:03 | 60385.60 | 02-APR-06:03 | 44.86 | 54.50 | 0.01 | 0.00 |
| May | 597.38 | 746.72 | 227.25 | 48308.48 | 01-MAY-06:03 | 60385.60 | 01-MAY-06:03 | 44.61 | 55.73 | 0.01 | 0.00 |
| June | 495.72 | 619.65 | 169.38 | 48308.48 | 03-JUN-06:03 | 60385.60 | 03-JUN-06:03 | 45.03 | 53.26 | 0.01 | 0.00 |
| July | 580.34 | 725.42 | 208.75 | 48308.48 | 01-JUL-06:03 | 60385.60 | 01-JUL-06:03 | 45.05 | 55.01 | 0.01 | 0.00 |
| August | 543.36 | 679.20 | 191.25 | 48308.48 | 01-AUG-06:03 | 60385.60 | 01-AUG-06:03 | 44.82 | 53.94 | 0.01 | 0.00 |
| September | 522.71 | 653.39 | 186.25 | 48308.48 | 03-SEP-06:03 | 60385.60 | 03-SEP-06:03 | 44.89 | 54.11 | 0.01 | 0.00 |
| October | 360.44 | 450.55 | 116.50 | 48308.48 | 01-OCT-06:03 | 60385.60 | 01-OCT-06:03 | 45.18 | 50.53 | 0.00 | 0.00 |
| November | 353.73 | 442.16 | 115.37 | 48308.48 | 01-NOV-06:02 | 60385.60 | 01-NOV-06:02 | 45.30 | 50.75 | 0.00 | 0.00 |
| December | 388.06 | 485.07 | 119.88 | 48308.48 | 02-DEC-06:03 | 60385.60 | 02-DEC-06:03 | 45.34 | 50.80 | 0.00 | 0.00 |
|  |  |  |  |  |  |  |  |  |  |  |  |
| Annual Sum or Average | 5508.53 | 6885.66 | 1861.00 |  |  |  |  | 45.12 | 52.54 | 0.00 | 0.00 |
| Minimum of Months | 350.23 | 437.79 | 100.87 | 48308.48 |  | 60385.60 |  | 44.61 | 49.98 | 0.00 | 0.00 |
| Maximum of Months | 597.38 | 746.72 | 227.25 | 48308.48 |  | 60385.60 |  | 45.72 | 55.73 | 0.01 | 0.00 |

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Report: **DX REPORT**

For: **MAIN COOLING COIL 1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | COOLING COIL TOTAL COOLING ENERGY [kWh] | COOLING COIL ELECTRIC ENERGY [] | COOLING COIL TOTAL COOLING ENERGY {HOURS NON-ZERO} [HOURS] | COOLING COIL SENSIBLE COOLING ENERGY [kWh] | COOLING COIL LATENT COOLING ENERGY [] | COOLING COIL CRANKCASE HEATER ELECTRIC ENERGY [] | COOLING COIL RUNTIME FRACTION [] | COOLING COIL RUNTIME FRACTION [] | COOLING COIL TOTAL COOLING RATE {Maximum}[W] | COOLING COIL TOTAL COOLING RATE {TIMESTAMP} | COOLING COIL SENSIBLE COOLING RATE {Maximum}[W] | COOLING COIL SENSIBLE COOLING RATE {TIMESTAMP} | COOLING COIL LATENT COOLING RATE [] | COOLING COIL ELECTRIC POWER [] | COOLING COIL CRANKCASE HEATER ELECTRIC POWER [] |
| January | 4307.95 | 0.00 | 322.00 | 2921.71 | 0.00 | 0.00 | 0.00 | 0.00 | 23070.66 | 22-JAN-15:00 | 17306.63 | 31-JAN-15:00 | 0.00 | 0.00 | 0.00 |
| February | 3946.41 | 0.00 | 280.00 | 2597.40 | 0.00 | 0.00 | 0.00 | 0.00 | 28735.41 | 22-FEB-16:00 | 18029.45 | 27-FEB-15:00 | 0.00 | 0.00 | 0.00 |
| March | 4628.45 | 0.00 | 294.00 | 2750.38 | 0.00 | 0.00 | 0.00 | 0.00 | 27678.94 | 22-MAR-11:00 | 16649.40 | 21-MAR-14:45 | 0.00 | 0.00 | 0.00 |
| April | 5356.64 | 0.00 | 308.00 | 3290.20 | 0.00 | 0.00 | 0.00 | 0.00 | 27696.08 | 11-APR-15:00 | 17361.30 | 08-APR-15:00 | 0.00 | 0.00 | 0.00 |
| May | 5418.21 | 0.00 | 322.00 | 3356.82 | 0.00 | 0.00 | 0.00 | 0.00 | 27172.92 | 06-MAY-14:00 | 18461.27 | 20-MAY-15:00 | 0.00 | 0.00 | 0.00 |
| June | 4195.00 | 0.00 | 280.00 | 2808.46 | 0.00 | 0.00 | 0.00 | 0.00 | 25671.16 | 19-JUN-15:00 | 16725.30 | 25-JUN-15:00 | 0.00 | 0.00 | 0.00 |
| July | 4768.30 | 0.00 | 322.00 | 3144.03 | 0.00 | 0.00 | 0.00 | 0.00 | 23893.63 | 29-JUL-15:00 | 15996.74 | 22-JUL-15:00 | 0.00 | 0.00 | 0.00 |
| August | 4327.69 | 0.00 | 308.00 | 2979.02 | 0.00 | 0.00 | 0.00 | 0.00 | 22883.78 | 28-AUG-16:00 | 16937.29 | 19-AUG-15:00 | 0.00 | 0.00 | 0.00 |
| September | 4098.53 | 0.00 | 294.00 | 2845.59 | 0.00 | 0.00 | 0.00 | 0.00 | 23779.00 | 24-SEP-15:00 | 16476.33 | 05-SEP-16:00 | 0.00 | 0.00 | 0.00 |
| October | 3465.64 | 0.00 | 322.00 | 2789.08 | 0.00 | 0.00 | 0.00 | 0.00 | 20237.56 | 11-OCT-15:00 | 17200.49 | 11-OCT-15:00 | 0.00 | 0.00 | 0.00 |
| November | 3245.14 | 0.00 | 294.00 | 2521.45 | 0.00 | 0.00 | 0.00 | 0.00 | 20947.92 | 19-NOV-16:00 | 16485.46 | 07-NOV-15:00 | 0.00 | 0.00 | 0.00 |
| December | 3574.35 | 0.00 | 308.00 | 2774.40 | 0.00 | 0.00 | 0.00 | 0.00 | 22108.80 | 16-DEC-16:00 | 17337.01 | 18-DEC-15:00 | 0.00 | 0.00 | 0.00 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Annual Sum or Average | 51332.32 |  | 3654.00 | 34778.54 |  |  |  |  |  |  |  |  |  |  |  |
| Minimum of Months | 3245.14 | 0.00 | 280.00 | 2521.45 | 0.00 | 0.00 | 0.00 | 0.00 | 20237.56 |  | 15996.74 |  | 0.00 | 0.00 | 0.00 |
| Maximum of Months | 5418.21 | 0.00 | 322.00 | 3356.82 | 0.00 | 0.00 | 0.00 | 0.00 | 28735.41 |  | 18461.27 |  | 0.00 | 0.00 | 0.00 |

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Report: **WINDOW REPORT**

For: **WF-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | SURFACE WINDOW TRANSMITTED SOLAR RADIATION RATE [W] | SURFACE WINDOW TRANSMITTED BEAM SOLAR RADIATION RATE [W] | SURFACE WINDOW TRANSMITTED DIFFUSE SOLAR RADIATION RATE [W] | SURFACE WINDOW HEAT GAIN RATE [W] | SURFACE WINDOW HEAT LOSS RATE [W] | SURFACE WINDOW INSIDE FACE GLAZING CONDENSATION STATUS {HOURS NON-ZERO} [HOURS] | SURFACE SHADING DEVICE IS ON TIME FRACTION {HOURS NON-ZERO} [HOURS] | SURFACE STORM WINDOW ON OFF STATUS {HOURS NON-ZERO} [HOURS] |
| January | 479.22 | 100.86 | 378.37 | 598.97 | 7.94 | 0.00 | 0.00 | 744.00 |
| February | 418.47 | 36.64 | 381.83 | 541.60 | 6.78 | 0.00 | 0.00 | 672.00 |
| March | 414.09 | 18.90 | 395.19 | 536.35 | 4.00 | 0.00 | 0.00 | 744.00 |
| April | 400.88 | 9.66 | 391.23 | 509.50 | 6.19 | 0.00 | 0.00 | 720.00 |
| May | 347.93 | 2.52 | 345.41 | 446.14 | 10.61 | 0.00 | 0.00 | 744.00 |
| June | 361.83 | 0.62 | 361.21 | 414.86 | 26.58 | 0.00 | 0.00 | 720.00 |
| July | 368.30 | 0.82 | 367.49 | 416.35 | 32.79 | 0.00 | 0.00 | 744.00 |
| August | 378.11 | 7.24 | 370.87 | 421.06 | 38.27 | 0.00 | 0.00 | 744.00 |
| September | 461.57 | 44.41 | 417.17 | 499.68 | 52.92 | 0.00 | 0.00 | 720.00 |
| October | 454.63 | 37.43 | 417.19 | 503.34 | 36.49 | 0.00 | 0.00 | 744.00 |
| November | 440.41 | 57.71 | 382.70 | 495.82 | 32.72 | 0.00 | 0.00 | 720.00 |
| December | 522.37 | 134.26 | 388.10 | 620.05 | 12.55 | 0.00 | 0.00 | 744.00 |
|  |  |  |  |  |  |  |  |  |
| Annual Sum or Average | 420.72 | 37.70 | 383.02 | 500.19 | 22.37 | 0.00 | 0.00 | 8760.00 |
| Minimum of Months | 347.93 | 0.62 | 345.41 | 414.86 | 4.00 | 0.00 | 0.00 | 672.00 |
| Maximum of Months | 522.37 | 134.26 | 417.19 | 620.05 | 52.92 | 0.00 | 0.00 | 744.00 |

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Report: **WINDOW REPORT**

For: **DF-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | SURFACE WINDOW TRANSMITTED SOLAR RADIATION RATE [W] | SURFACE WINDOW TRANSMITTED BEAM SOLAR RADIATION RATE [W] | SURFACE WINDOW TRANSMITTED DIFFUSE SOLAR RADIATION RATE [W] | SURFACE WINDOW HEAT GAIN RATE [W] | SURFACE WINDOW HEAT LOSS RATE [W] | SURFACE WINDOW INSIDE FACE GLAZING CONDENSATION STATUS {HOURS NON-ZERO} [HOURS] | SURFACE SHADING DEVICE IS ON TIME FRACTION {HOURS NON-ZERO} [HOURS] | SURFACE STORM WINDOW ON OFF STATUS {HOURS NON-ZERO} [HOURS] |
| January | 190.01 | 54.09 | 135.91 | 260.63 | 5.70 | 0.00 | 0.00 | 744.00 |
| February | 165.88 | 24.27 | 141.61 | 237.91 | 4.56 | 0.00 | 0.00 | 672.00 |
| March | 164.08 | 18.62 | 145.45 | 235.54 | 2.90 | 0.00 | 0.00 | 744.00 |
| April | 151.87 | 12.42 | 139.45 | 213.21 | 4.52 | 0.00 | 0.00 | 720.00 |
| May | 123.29 | 3.30 | 119.99 | 174.94 | 7.48 | 0.00 | 0.00 | 744.00 |
| June | 125.69 | 0.77 | 124.93 | 152.28 | 18.14 | 0.00 | 0.00 | 720.00 |
| July | 128.68 | 1.17 | 127.51 | 152.56 | 22.01 | 0.00 | 0.00 | 744.00 |
| August | 140.43 | 9.27 | 131.16 | 164.41 | 25.51 | 0.00 | 0.00 | 744.00 |
| September | 186.39 | 40.22 | 146.17 | 213.04 | 34.71 | 0.00 | 0.00 | 720.00 |
| October | 189.61 | 39.96 | 149.65 | 222.12 | 24.71 | 0.00 | 0.00 | 744.00 |
| November | 179.11 | 41.83 | 137.27 | 214.12 | 22.15 | 3.25 | 0.00 | 720.00 |
| December | 204.03 | 63.77 | 140.26 | 262.62 | 9.46 | 0.00 | 0.00 | 744.00 |
|  |  |  |  |  |  |  |  |  |
| Annual Sum or Average | 162.41 | 25.84 | 136.57 | 208.49 | 15.19 | 3.25 | 0.00 | 8760.00 |
| Minimum of Months | 123.29 | 0.77 | 119.99 | 152.28 | 2.90 | 0.00 | 0.00 | 672.00 |
| Maximum of Months | 204.03 | 63.77 | 149.65 | 262.62 | 34.71 | 3.25 | 0.00 | 744.00 |

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Report: **WINDOW REPORT**

For: **WR-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | SURFACE WINDOW TRANSMITTED SOLAR RADIATION RATE [W] | SURFACE WINDOW TRANSMITTED BEAM SOLAR RADIATION RATE [W] | SURFACE WINDOW TRANSMITTED DIFFUSE SOLAR RADIATION RATE [W] | SURFACE WINDOW HEAT GAIN RATE [W] | SURFACE WINDOW HEAT LOSS RATE [W] | SURFACE WINDOW INSIDE FACE GLAZING CONDENSATION STATUS {HOURS NON-ZERO} [HOURS] | SURFACE SHADING DEVICE IS ON TIME FRACTION {HOURS NON-ZERO} [HOURS] | SURFACE STORM WINDOW ON OFF STATUS {HOURS NON-ZERO} [HOURS] |
| January | 639.66 | 277.84 | 361.83 | 719.90 | 6.06 | 0.00 | 0.00 | 744.00 |
| February | 557.02 | 169.15 | 387.86 | 638.32 | 4.77 | 0.00 | 0.00 | 672.00 |
| March | 590.35 | 193.30 | 397.06 | 671.65 | 3.21 | 0.00 | 0.00 | 744.00 |
| April | 513.58 | 155.47 | 358.11 | 583.73 | 5.11 | 0.00 | 0.00 | 720.00 |
| May | 401.67 | 98.95 | 302.72 | 459.68 | 8.19 | 0.00 | 0.00 | 744.00 |
| June | 410.79 | 92.55 | 318.24 | 446.28 | 19.08 | 0.00 | 0.00 | 720.00 |
| July | 444.33 | 112.17 | 332.16 | 479.74 | 22.89 | 0.00 | 0.00 | 744.00 |
| August | 455.63 | 120.10 | 335.53 | 488.63 | 26.03 | 0.00 | 0.00 | 744.00 |
| September | 584.91 | 216.38 | 368.54 | 620.11 | 33.50 | 0.00 | 0.00 | 720.00 |
| October | 675.79 | 283.67 | 392.12 | 722.65 | 24.99 | 0.00 | 0.00 | 744.00 |
| November | 693.33 | 322.93 | 370.41 | 744.01 | 22.02 | 0.00 | 0.00 | 720.00 |
| December | 657.33 | 282.80 | 374.53 | 724.37 | 9.84 | 0.00 | 0.00 | 744.00 |
|  |  |  |  |  |  |  |  |  |
| Annual Sum or Average | 552.01 | 193.94 | 358.06 | 608.11 | 15.51 | 0.00 | 0.00 | 8760.00 |
| Minimum of Months | 401.67 | 92.55 | 302.72 | 446.28 | 3.21 | 0.00 | 0.00 | 672.00 |
| Maximum of Months | 693.33 | 322.93 | 397.06 | 744.01 | 33.50 | 0.00 | 0.00 | 744.00 |

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Report: **WINDOW REPORT**

For: **WB-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | SURFACE WINDOW TRANSMITTED SOLAR RADIATION RATE [W] | SURFACE WINDOW TRANSMITTED BEAM SOLAR RADIATION RATE [W] | SURFACE WINDOW TRANSMITTED DIFFUSE SOLAR RADIATION RATE [W] | SURFACE WINDOW HEAT GAIN RATE [W] | SURFACE WINDOW HEAT LOSS RATE [W] | SURFACE WINDOW INSIDE FACE GLAZING CONDENSATION STATUS {HOURS NON-ZERO} [HOURS] | SURFACE SHADING DEVICE IS ON TIME FRACTION {HOURS NON-ZERO} [HOURS] | SURFACE STORM WINDOW ON OFF STATUS {HOURS NON-ZERO} [HOURS] |
| January | 543.25 | 8.26 | 534.99 | 654.19 | 10.48 | 0.00 | 0.00 | 744.00 |
| February | 615.53 | 21.62 | 593.92 | 740.12 | 8.25 | 0.00 | 0.00 | 672.00 |
| March | 792.51 | 136.29 | 656.22 | 929.01 | 5.53 | 0.00 | 0.00 | 744.00 |
| April | 959.37 | 291.99 | 667.38 | 1096.82 | 8.83 | 0.00 | 0.00 | 720.00 |
| May | 1023.98 | 418.80 | 605.18 | 1156.77 | 14.47 | 0.00 | 0.00 | 744.00 |
| June | 1217.32 | 538.99 | 678.33 | 1319.29 | 33.53 | 0.00 | 0.00 | 720.00 |
| July | 1224.62 | 519.62 | 705.00 | 1322.42 | 40.40 | 0.00 | 0.00 | 744.00 |
| August | 981.51 | 330.06 | 651.44 | 1059.34 | 45.84 | 0.00 | 0.00 | 744.00 |
| September | 864.96 | 224.83 | 640.12 | 924.48 | 58.91 | 0.00 | 0.00 | 720.00 |
| October | 709.79 | 98.09 | 611.71 | 767.73 | 43.52 | 0.00 | 0.00 | 744.00 |
| November | 569.74 | 25.61 | 544.13 | 623.07 | 38.25 | 0.00 | 0.00 | 720.00 |
| December | 532.89 | 2.34 | 530.55 | 615.67 | 16.80 | 0.00 | 0.00 | 744.00 |
|  |  |  |  |  |  |  |  |  |
| Annual Sum or Average | 837.37 | 219.08 | 618.29 | 935.05 | 27.14 | 0.00 | 0.00 | 8760.00 |
| Minimum of Months | 532.89 | 2.34 | 530.55 | 615.67 | 5.53 | 0.00 | 0.00 | 672.00 |
| Maximum of Months | 1224.62 | 538.99 | 705.00 | 1322.42 | 58.91 | 0.00 | 0.00 | 744.00 |

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Report: **WINDOW REPORT**

For: **DB-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | SURFACE WINDOW TRANSMITTED SOLAR RADIATION RATE [W] | SURFACE WINDOW TRANSMITTED BEAM SOLAR RADIATION RATE [W] | SURFACE WINDOW TRANSMITTED DIFFUSE SOLAR RADIATION RATE [W] | SURFACE WINDOW HEAT GAIN RATE [W] | SURFACE WINDOW HEAT LOSS RATE [W] | SURFACE WINDOW INSIDE FACE GLAZING CONDENSATION STATUS {HOURS NON-ZERO} [HOURS] | SURFACE SHADING DEVICE IS ON TIME FRACTION {HOURS NON-ZERO} [HOURS] | SURFACE STORM WINDOW ON OFF STATUS {HOURS NON-ZERO} [HOURS] |
| January | 132.41 | 2.90 | 129.52 | 182.81 | 5.35 | 0.00 | 0.00 | 744.00 |
| February | 150.38 | 6.60 | 143.78 | 207.71 | 4.14 | 0.00 | 0.00 | 672.00 |
| March | 194.82 | 35.95 | 158.86 | 258.51 | 2.81 | 0.50 | 0.00 | 744.00 |
| April | 234.56 | 73.00 | 161.56 | 298.56 | 4.54 | 0.00 | 0.00 | 720.00 |
| May | 249.24 | 102.73 | 146.51 | 310.85 | 7.35 | 0.00 | 0.00 | 744.00 |
| June | 295.29 | 131.07 | 164.21 | 342.36 | 17.11 | 0.00 | 0.00 | 720.00 |
| July | 296.86 | 126.18 | 170.67 | 341.07 | 20.41 | 0.00 | 0.00 | 744.00 |
| August | 239.31 | 81.60 | 157.71 | 273.93 | 23.27 | 0.00 | 0.00 | 744.00 |
| September | 212.94 | 57.98 | 154.97 | 238.99 | 30.22 | 0.00 | 0.00 | 720.00 |
| October | 175.23 | 27.15 | 148.09 | 199.43 | 21.96 | 0.00 | 0.00 | 744.00 |
| November | 139.97 | 8.24 | 131.73 | 162.10 | 19.22 | 3.75 | 0.00 | 720.00 |
| December | 129.39 | 0.95 | 128.44 | 166.07 | 8.74 | 0.25 | 0.00 | 744.00 |
|  |  |  |  |  |  |  |  |  |
| Annual Sum or Average | 204.46 | 54.78 | 149.68 | 248.74 | 13.79 | 4.50 | 0.00 | 8760.00 |
| Minimum of Months | 129.39 | 0.95 | 128.44 | 162.10 | 2.81 | 0.00 | 0.00 | 672.00 |
| Maximum of Months | 296.86 | 131.07 | 170.67 | 342.36 | 30.22 | 3.75 | 0.00 | 744.00 |

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Report: **WINDOW REPORT**

For: **WL-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | SURFACE WINDOW TRANSMITTED SOLAR RADIATION RATE [W] | SURFACE WINDOW TRANSMITTED BEAM SOLAR RADIATION RATE [W] | SURFACE WINDOW TRANSMITTED DIFFUSE SOLAR RADIATION RATE [W] | SURFACE WINDOW HEAT GAIN RATE [W] | SURFACE WINDOW HEAT LOSS RATE [W] | SURFACE WINDOW INSIDE FACE GLAZING CONDENSATION STATUS {HOURS NON-ZERO} [HOURS] | SURFACE SHADING DEVICE IS ON TIME FRACTION {HOURS NON-ZERO} [HOURS] | SURFACE STORM WINDOW ON OFF STATUS {HOURS NON-ZERO} [HOURS] |
| January | 430.30 | 109.35 | 320.95 | 503.70 | 6.49 | 0.00 | 0.00 | 744.00 |
| February | 432.36 | 75.07 | 357.29 | 508.91 | 5.12 | 0.00 | 0.00 | 672.00 |
| March | 499.52 | 117.20 | 382.31 | 577.42 | 3.88 | 0.00 | 0.00 | 744.00 |
| April | 630.94 | 243.48 | 387.46 | 713.13 | 6.47 | 0.00 | 0.00 | 720.00 |
| May | 674.92 | 332.12 | 342.79 | 754.61 | 10.84 | 0.00 | 0.00 | 744.00 |
| June | 695.15 | 326.23 | 368.91 | 753.41 | 22.21 | 0.00 | 0.00 | 720.00 |
| July | 650.59 | 280.01 | 370.58 | 703.43 | 25.21 | 0.00 | 0.00 | 744.00 |
| August | 659.11 | 286.02 | 373.09 | 710.12 | 28.42 | 0.00 | 0.00 | 744.00 |
| September | 708.99 | 323.89 | 385.10 | 757.92 | 37.11 | 0.00 | 0.00 | 720.00 |
| October | 569.52 | 195.06 | 374.47 | 614.99 | 26.22 | 0.00 | 0.00 | 744.00 |
| November | 445.53 | 118.61 | 326.92 | 487.02 | 22.88 | 0.00 | 0.00 | 720.00 |
| December | 425.80 | 102.81 | 322.99 | 484.88 | 10.49 | 0.00 | 0.00 | 744.00 |
|  |  |  |  |  |  |  |  |  |
| Annual Sum or Average | 569.11 | 209.78 | 359.34 | 631.28 | 17.15 | 0.00 | 0.00 | 8760.00 |
| Minimum of Months | 425.80 | 75.07 | 320.95 | 484.88 | 3.88 | 0.00 | 0.00 | 672.00 |
| Maximum of Months | 708.99 | 332.12 | 387.46 | 757.92 | 37.11 | 0.00 | 0.00 | 744.00 |

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Report: **WINDOW ENERGY REPORT**

For: **WF-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | SURFACE WINDOW TRANSMITTED SOLAR RADIATION ENERGY [kWh] | SURFACE WINDOW TRANSMITTED BEAM SOLAR RADIATION ENERGY [kWh] | SURFACE WINDOW TRANSMITTED DIFFUSE SOLAR RADIATION ENERGY [kWh] | SURFACE WINDOW HEAT GAIN ENERGY [kWh] | SURFACE WINDOW HEAT LOSS ENERGY [kWh] |
| January | 356.54 | 75.04 | 281.51 | 445.63 | 5.91 |
| February | 281.21 | 24.62 | 256.59 | 363.95 | 4.56 |
| March | 308.08 | 14.06 | 294.02 | 399.05 | 2.98 |
| April | 288.64 | 6.95 | 281.68 | 366.84 | 4.46 |
| May | 258.86 | 1.88 | 256.98 | 331.93 | 7.90 |
| June | 260.52 | 0.45 | 260.07 | 298.70 | 19.14 |
| July | 274.02 | 0.61 | 273.41 | 309.76 | 24.40 |
| August | 281.32 | 5.39 | 275.93 | 313.27 | 28.47 |
| September | 332.33 | 31.97 | 300.36 | 359.77 | 38.10 |
| October | 338.24 | 27.85 | 310.39 | 374.48 | 27.14 |
| November | 317.10 | 41.55 | 275.55 | 356.99 | 23.56 |
| December | 388.64 | 99.89 | 288.75 | 461.32 | 9.33 |
|  |  |  |  |  |  |
| Annual Sum or Average | 3685.49 | 330.26 | 3355.24 | 4381.69 | 195.94 |
| Minimum of Months | 258.86 | 0.45 | 256.59 | 298.70 | 2.98 |
| Maximum of Months | 388.64 | 99.89 | 310.39 | 461.32 | 38.10 |

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Report: **WINDOW ENERGY REPORT**

For: **DF-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | SURFACE WINDOW TRANSMITTED SOLAR RADIATION ENERGY [kWh] | SURFACE WINDOW TRANSMITTED BEAM SOLAR RADIATION ENERGY [kWh] | SURFACE WINDOW TRANSMITTED DIFFUSE SOLAR RADIATION ENERGY [kWh] | SURFACE WINDOW HEAT GAIN ENERGY [kWh] | SURFACE WINDOW HEAT LOSS ENERGY [kWh] |
| January | 141.36 | 40.24 | 101.12 | 193.91 | 4.24 |
| February | 111.47 | 16.31 | 95.16 | 159.87 | 3.07 |
| March | 122.07 | 13.86 | 108.22 | 175.24 | 2.16 |
| April | 109.34 | 8.94 | 100.40 | 153.51 | 3.26 |
| May | 91.73 | 2.46 | 89.27 | 130.16 | 5.56 |
| June | 90.50 | 0.55 | 89.95 | 109.64 | 13.06 |
| July | 95.74 | 0.87 | 94.87 | 113.50 | 16.37 |
| August | 104.48 | 6.90 | 97.58 | 122.32 | 18.98 |
| September | 134.20 | 28.96 | 105.24 | 153.39 | 24.99 |
| October | 141.07 | 29.73 | 111.34 | 165.26 | 18.39 |
| November | 128.96 | 30.12 | 98.84 | 154.17 | 15.95 |
| December | 151.80 | 47.44 | 104.35 | 195.39 | 7.04 |
|  |  |  |  |  |  |
| Annual Sum or Average | 1422.72 | 226.37 | 1196.34 | 1826.37 | 133.07 |
| Minimum of Months | 90.50 | 0.55 | 89.27 | 109.64 | 2.16 |
| Maximum of Months | 151.80 | 47.44 | 111.34 | 195.39 | 24.99 |

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Report: **WINDOW ENERGY REPORT**

For: **WR-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | SURFACE WINDOW TRANSMITTED SOLAR RADIATION ENERGY [kWh] | SURFACE WINDOW TRANSMITTED BEAM SOLAR RADIATION ENERGY [kWh] | SURFACE WINDOW TRANSMITTED DIFFUSE SOLAR RADIATION ENERGY [kWh] | SURFACE WINDOW HEAT GAIN ENERGY [kWh] | SURFACE WINDOW HEAT LOSS ENERGY [kWh] |
| January | 475.91 | 206.71 | 269.20 | 535.61 | 4.51 |
| February | 374.31 | 113.67 | 260.64 | 428.95 | 3.21 |
| March | 439.22 | 143.81 | 295.41 | 499.70 | 2.39 |
| April | 369.78 | 111.94 | 257.84 | 420.29 | 3.68 |
| May | 298.84 | 73.62 | 225.22 | 342.00 | 6.10 |
| June | 295.77 | 66.64 | 229.13 | 321.32 | 13.73 |
| July | 330.58 | 83.45 | 247.13 | 356.93 | 17.03 |
| August | 338.99 | 89.35 | 249.64 | 363.54 | 19.37 |
| September | 421.14 | 155.79 | 265.35 | 446.48 | 24.12 |
| October | 502.79 | 211.05 | 291.74 | 537.65 | 18.59 |
| November | 499.20 | 232.51 | 266.69 | 535.69 | 15.85 |
| December | 489.05 | 210.40 | 278.65 | 538.93 | 7.32 |
|  |  |  |  |  |  |
| Annual Sum or Average | 4835.59 | 1698.95 | 3136.63 | 5327.08 | 135.90 |
| Minimum of Months | 295.77 | 66.64 | 225.22 | 321.32 | 2.39 |
| Maximum of Months | 502.79 | 232.51 | 295.41 | 538.93 | 24.12 |

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Report: **WINDOW ENERGY REPORT**

For: **WB-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | SURFACE WINDOW TRANSMITTED SOLAR RADIATION ENERGY [kWh] | SURFACE WINDOW TRANSMITTED BEAM SOLAR RADIATION ENERGY [kWh] | SURFACE WINDOW TRANSMITTED DIFFUSE SOLAR RADIATION ENERGY [kWh] | SURFACE WINDOW HEAT GAIN ENERGY [kWh] | SURFACE WINDOW HEAT LOSS ENERGY [kWh] |
| January | 404.18 | 6.14 | 398.03 | 486.72 | 7.80 |
| February | 413.64 | 14.53 | 399.11 | 497.36 | 5.54 |
| March | 589.63 | 101.40 | 488.23 | 691.18 | 4.11 |
| April | 690.74 | 210.23 | 480.51 | 789.71 | 6.36 |
| May | 761.84 | 311.59 | 450.25 | 860.63 | 10.76 |
| June | 876.47 | 388.08 | 488.39 | 949.89 | 24.14 |
| July | 911.12 | 386.59 | 524.52 | 983.88 | 30.06 |
| August | 730.24 | 245.57 | 484.67 | 788.15 | 34.10 |
| September | 622.77 | 161.88 | 460.89 | 665.63 | 42.42 |
| October | 528.08 | 72.98 | 455.11 | 571.19 | 32.38 |
| November | 410.21 | 18.44 | 391.78 | 448.61 | 27.54 |
| December | 396.47 | 1.74 | 394.73 | 458.06 | 12.50 |
|  |  |  |  |  |  |
| Annual Sum or Average | 7335.39 | 1919.16 | 5416.23 | 8191.01 | 237.70 |
| Minimum of Months | 396.47 | 1.74 | 391.78 | 448.61 | 4.11 |
| Maximum of Months | 911.12 | 388.08 | 524.52 | 983.88 | 42.42 |

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Report: **WINDOW ENERGY REPORT**

For: **DB-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | SURFACE WINDOW TRANSMITTED SOLAR RADIATION ENERGY [kWh] | SURFACE WINDOW TRANSMITTED BEAM SOLAR RADIATION ENERGY [kWh] | SURFACE WINDOW TRANSMITTED DIFFUSE SOLAR RADIATION ENERGY [kWh] | SURFACE WINDOW HEAT GAIN ENERGY [kWh] | SURFACE WINDOW HEAT LOSS ENERGY [kWh] |
| January | 98.52 | 2.16 | 96.36 | 136.01 | 3.98 |
| February | 101.05 | 4.43 | 96.62 | 139.58 | 2.78 |
| March | 144.94 | 26.75 | 118.19 | 192.33 | 2.09 |
| April | 168.88 | 52.56 | 116.33 | 214.97 | 3.27 |
| May | 185.43 | 76.43 | 109.00 | 231.28 | 5.47 |
| June | 212.61 | 94.37 | 118.23 | 246.50 | 12.32 |
| July | 220.86 | 93.88 | 126.98 | 253.75 | 15.19 |
| August | 178.04 | 60.71 | 117.33 | 203.80 | 17.31 |
| September | 153.32 | 41.74 | 111.58 | 172.07 | 21.76 |
| October | 130.37 | 20.20 | 110.18 | 148.38 | 16.34 |
| November | 100.78 | 5.93 | 94.84 | 116.71 | 13.84 |
| December | 96.26 | 0.70 | 95.56 | 123.56 | 6.50 |
|  |  |  |  |  |  |
| Annual Sum or Average | 1791.08 | 479.87 | 1311.21 | 2178.94 | 120.84 |
| Minimum of Months | 96.26 | 0.70 | 94.84 | 116.71 | 2.09 |
| Maximum of Months | 220.86 | 94.37 | 126.98 | 253.75 | 21.76 |

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Report: **WINDOW ENERGY REPORT**

For: **WL-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | SURFACE WINDOW TRANSMITTED SOLAR RADIATION ENERGY [kWh] | SURFACE WINDOW TRANSMITTED BEAM SOLAR RADIATION ENERGY [kWh] | SURFACE WINDOW TRANSMITTED DIFFUSE SOLAR RADIATION ENERGY [kWh] | SURFACE WINDOW HEAT GAIN ENERGY [kWh] | SURFACE WINDOW HEAT LOSS ENERGY [kWh] |
| January | 320.14 | 81.35 | 238.79 | 374.75 | 4.83 |
| February | 290.55 | 50.45 | 240.10 | 341.99 | 3.44 |
| March | 371.64 | 87.20 | 284.44 | 429.60 | 2.88 |
| April | 454.28 | 175.31 | 278.97 | 513.45 | 4.66 |
| May | 502.14 | 247.10 | 255.04 | 561.43 | 8.07 |
| June | 500.51 | 234.89 | 265.62 | 542.46 | 15.99 |
| July | 484.04 | 208.33 | 275.71 | 523.35 | 18.76 |
| August | 490.38 | 212.80 | 277.58 | 528.33 | 21.14 |
| September | 510.47 | 233.20 | 277.27 | 545.70 | 26.72 |
| October | 423.73 | 145.12 | 278.61 | 457.55 | 19.51 |
| November | 320.78 | 85.40 | 235.38 | 350.66 | 16.47 |
| December | 316.79 | 76.49 | 240.30 | 360.75 | 7.80 |
|  |  |  |  |  |  |
| Annual Sum or Average | 4985.44 | 1837.63 | 3147.81 | 5530.02 | 150.28 |
| Minimum of Months | 290.55 | 50.45 | 235.38 | 341.99 | 2.88 |
| Maximum of Months | 510.47 | 247.10 | 284.44 | 561.43 | 26.72 |

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Report: **WINDOW ZONE SUMMARY**

For: **PLENUM-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | ZONE WINDOWS TOTAL HEAT GAIN RATE [W] | ZONE WINDOWS TOTAL HEAT LOSS RATE [W] | ZONE WINDOWS TOTAL TRANSMITTED SOLAR RADIATION RATE [W] | ZONE EXTERIOR WINDOWS TOTAL TRANSMITTED BEAM SOLAR RADIATION RATE [W] | ZONE EXTERIOR WINDOWS TOTAL TRANSMITTED DIFFUSE SOLAR RADIATION RATE [W] | ZONE INTERIOR WINDOWS TOTAL TRANSMITTED DIFFUSE SOLAR RADIATION RATE [W] | ZONE INTERIOR WINDOWS TOTAL TRANSMITTED BEAM SOLAR RADIATION RATE [W] |
| January | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| February | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| March | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| April | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| May | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| June | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| July | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| August | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| September | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| October | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| November | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| December | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|  |  |  |  |  |  |  |  |
| Annual Sum or Average | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Minimum of Months | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Maximum of Months | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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Report: **WINDOW ZONE SUMMARY**

For: **SPACE1-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | ZONE WINDOWS TOTAL HEAT GAIN RATE [W] | ZONE WINDOWS TOTAL HEAT LOSS RATE [W] | ZONE WINDOWS TOTAL TRANSMITTED SOLAR RADIATION RATE [W] | ZONE EXTERIOR WINDOWS TOTAL TRANSMITTED BEAM SOLAR RADIATION RATE [W] | ZONE EXTERIOR WINDOWS TOTAL TRANSMITTED DIFFUSE SOLAR RADIATION RATE [W] | ZONE INTERIOR WINDOWS TOTAL TRANSMITTED DIFFUSE SOLAR RADIATION RATE [W] | ZONE INTERIOR WINDOWS TOTAL TRANSMITTED BEAM SOLAR RADIATION RATE [W] |
| January | 859.54 | 13.58 | 669.23 | 154.95 | 514.28 | 0.00 | 0.00 |
| February | 779.47 | 11.31 | 584.35 | 60.91 | 523.44 | 0.00 | 0.00 |
| March | 771.83 | 6.84 | 578.17 | 37.52 | 540.64 | 0.00 | 0.00 |
| April | 722.61 | 10.61 | 552.75 | 22.08 | 530.67 | 0.00 | 0.00 |
| May | 621.00 | 18.01 | 471.22 | 5.82 | 465.39 | 0.00 | 0.00 |
| June | 566.97 | 44.55 | 487.52 | 1.39 | 486.14 | 0.00 | 0.00 |
| July | 568.77 | 54.66 | 496.98 | 1.98 | 495.00 | 0.00 | 0.00 |
| August | 585.31 | 63.62 | 518.55 | 16.52 | 502.03 | 0.00 | 0.00 |
| September | 712.58 | 87.48 | 647.96 | 84.62 | 563.34 | 0.00 | 0.00 |
| October | 725.20 | 60.94 | 644.24 | 77.39 | 566.85 | 0.00 | 0.00 |
| November | 709.67 | 54.59 | 619.52 | 99.54 | 519.98 | 0.00 | 0.00 |
| December | 882.49 | 21.83 | 726.39 | 198.03 | 528.36 | 0.00 | 0.00 |
|  |  |  |  |  |  |  |  |
| Annual Sum or Average | 708.54 | 37.42 | 583.13 | 63.54 | 519.59 | 0.00 | 0.00 |
| Minimum of Months | 566.97 | 6.84 | 471.22 | 1.39 | 465.39 | 0.00 | 0.00 |
| Maximum of Months | 882.49 | 87.48 | 726.39 | 198.03 | 566.85 | 0.00 | 0.00 |

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Report: **WINDOW ZONE SUMMARY**

For: **SPACE2-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | ZONE WINDOWS TOTAL HEAT GAIN RATE [W] | ZONE WINDOWS TOTAL HEAT LOSS RATE [W] | ZONE WINDOWS TOTAL TRANSMITTED SOLAR RADIATION RATE [W] | ZONE EXTERIOR WINDOWS TOTAL TRANSMITTED BEAM SOLAR RADIATION RATE [W] | ZONE EXTERIOR WINDOWS TOTAL TRANSMITTED DIFFUSE SOLAR RADIATION RATE [W] | ZONE INTERIOR WINDOWS TOTAL TRANSMITTED DIFFUSE SOLAR RADIATION RATE [W] | ZONE INTERIOR WINDOWS TOTAL TRANSMITTED BEAM SOLAR RADIATION RATE [W] |
| January | 719.90 | 6.06 | 639.66 | 277.84 | 361.83 | 0.00 | 0.00 |
| February | 638.32 | 4.77 | 557.02 | 169.15 | 387.86 | 0.00 | 0.00 |
| March | 671.65 | 3.21 | 590.35 | 193.30 | 397.06 | 0.00 | 0.00 |
| April | 583.73 | 5.11 | 513.58 | 155.47 | 358.11 | 0.00 | 0.00 |
| May | 459.68 | 8.19 | 401.67 | 98.95 | 302.72 | 0.00 | 0.00 |
| June | 446.28 | 19.08 | 410.79 | 92.55 | 318.24 | 0.00 | 0.00 |
| July | 479.74 | 22.89 | 444.33 | 112.17 | 332.16 | 0.00 | 0.00 |
| August | 488.63 | 26.03 | 455.63 | 120.10 | 335.53 | 0.00 | 0.00 |
| September | 620.11 | 33.50 | 584.91 | 216.38 | 368.54 | 0.00 | 0.00 |
| October | 722.65 | 24.99 | 675.79 | 283.67 | 392.12 | 0.00 | 0.00 |
| November | 744.01 | 22.02 | 693.33 | 322.93 | 370.41 | 0.00 | 0.00 |
| December | 724.37 | 9.84 | 657.33 | 282.80 | 374.53 | 0.00 | 0.00 |
|  |  |  |  |  |  |  |  |
| Annual Sum or Average | 608.11 | 15.51 | 552.01 | 193.94 | 358.06 | 0.00 | 0.00 |
| Minimum of Months | 446.28 | 3.21 | 401.67 | 92.55 | 302.72 | 0.00 | 0.00 |
| Maximum of Months | 744.01 | 33.50 | 693.33 | 322.93 | 397.06 | 0.00 | 0.00 |

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Report: **WINDOW ZONE SUMMARY**

For: **SPACE3-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | ZONE WINDOWS TOTAL HEAT GAIN RATE [W] | ZONE WINDOWS TOTAL HEAT LOSS RATE [W] | ZONE WINDOWS TOTAL TRANSMITTED SOLAR RADIATION RATE [W] | ZONE EXTERIOR WINDOWS TOTAL TRANSMITTED BEAM SOLAR RADIATION RATE [W] | ZONE EXTERIOR WINDOWS TOTAL TRANSMITTED DIFFUSE SOLAR RADIATION RATE [W] | ZONE INTERIOR WINDOWS TOTAL TRANSMITTED DIFFUSE SOLAR RADIATION RATE [W] | ZONE INTERIOR WINDOWS TOTAL TRANSMITTED BEAM SOLAR RADIATION RATE [W] |
| January | 837.00 | 15.81 | 675.66 | 11.16 | 664.51 | 0.00 | 0.00 |
| February | 947.83 | 12.38 | 765.91 | 28.21 | 737.70 | 0.00 | 0.00 |
| March | 1187.50 | 8.33 | 987.33 | 172.24 | 815.09 | 0.00 | 0.00 |
| April | 1395.33 | 13.32 | 1193.93 | 364.99 | 828.94 | 0.00 | 0.00 |
| May | 1467.55 | 21.75 | 1273.22 | 521.53 | 751.68 | 0.00 | 0.00 |
| June | 1661.56 | 50.55 | 1512.61 | 670.07 | 842.54 | 0.00 | 0.00 |
| July | 1663.42 | 60.75 | 1521.47 | 645.80 | 875.67 | 0.00 | 0.00 |
| August | 1333.18 | 69.02 | 1220.81 | 411.66 | 809.15 | 0.00 | 0.00 |
| September | 1163.25 | 88.91 | 1077.90 | 282.81 | 795.09 | 0.00 | 0.00 |
| October | 967.08 | 65.39 | 885.03 | 125.23 | 759.79 | 0.00 | 0.00 |
| November | 785.11 | 57.41 | 709.71 | 33.85 | 675.86 | 0.00 | 0.00 |
| December | 781.63 | 25.43 | 662.28 | 3.28 | 659.00 | 0.00 | 0.00 |
|  |  |  |  |  |  |  |  |
| Annual Sum or Average | 1183.71 | 40.86 | 1041.83 | 273.86 | 767.97 | 0.00 | 0.00 |
| Minimum of Months | 781.63 | 8.33 | 662.28 | 3.28 | 659.00 | 0.00 | 0.00 |
| Maximum of Months | 1663.42 | 88.91 | 1521.47 | 670.07 | 875.67 | 0.00 | 0.00 |

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Report: **WINDOW ZONE SUMMARY**

For: **SPACE4-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | ZONE WINDOWS TOTAL HEAT GAIN RATE [W] | ZONE WINDOWS TOTAL HEAT LOSS RATE [W] | ZONE WINDOWS TOTAL TRANSMITTED SOLAR RADIATION RATE [W] | ZONE EXTERIOR WINDOWS TOTAL TRANSMITTED BEAM SOLAR RADIATION RATE [W] | ZONE EXTERIOR WINDOWS TOTAL TRANSMITTED DIFFUSE SOLAR RADIATION RATE [W] | ZONE INTERIOR WINDOWS TOTAL TRANSMITTED DIFFUSE SOLAR RADIATION RATE [W] | ZONE INTERIOR WINDOWS TOTAL TRANSMITTED BEAM SOLAR RADIATION RATE [W] |
| January | 503.70 | 6.49 | 430.30 | 109.35 | 320.95 | 0.00 | 0.00 |
| February | 508.91 | 5.12 | 432.36 | 75.07 | 357.29 | 0.00 | 0.00 |
| March | 577.42 | 3.88 | 499.52 | 117.20 | 382.31 | 0.00 | 0.00 |
| April | 713.13 | 6.47 | 630.94 | 243.48 | 387.46 | 0.00 | 0.00 |
| May | 754.61 | 10.84 | 674.92 | 332.12 | 342.79 | 0.00 | 0.00 |
| June | 753.41 | 22.21 | 695.15 | 326.23 | 368.91 | 0.00 | 0.00 |
| July | 703.43 | 25.21 | 650.59 | 280.01 | 370.58 | 0.00 | 0.00 |
| August | 710.12 | 28.42 | 659.11 | 286.02 | 373.09 | 0.00 | 0.00 |
| September | 757.92 | 37.11 | 708.99 | 323.89 | 385.10 | 0.00 | 0.00 |
| October | 614.99 | 26.22 | 569.52 | 195.06 | 374.47 | 0.00 | 0.00 |
| November | 487.02 | 22.88 | 445.53 | 118.61 | 326.92 | 0.00 | 0.00 |
| December | 484.88 | 10.49 | 425.80 | 102.81 | 322.99 | 0.00 | 0.00 |
|  |  |  |  |  |  |  |  |
| Annual Sum or Average | 631.28 | 17.15 | 569.11 | 209.78 | 359.34 | 0.00 | 0.00 |
| Minimum of Months | 484.88 | 3.88 | 425.80 | 75.07 | 320.95 | 0.00 | 0.00 |
| Maximum of Months | 757.92 | 37.11 | 708.99 | 332.12 | 387.46 | 0.00 | 0.00 |

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Report: **WINDOW ZONE SUMMARY**

For: **SPACE5-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | ZONE WINDOWS TOTAL HEAT GAIN RATE [W] | ZONE WINDOWS TOTAL HEAT LOSS RATE [W] | ZONE WINDOWS TOTAL TRANSMITTED SOLAR RADIATION RATE [W] | ZONE EXTERIOR WINDOWS TOTAL TRANSMITTED BEAM SOLAR RADIATION RATE [W] | ZONE EXTERIOR WINDOWS TOTAL TRANSMITTED DIFFUSE SOLAR RADIATION RATE [W] | ZONE INTERIOR WINDOWS TOTAL TRANSMITTED DIFFUSE SOLAR RADIATION RATE [W] | ZONE INTERIOR WINDOWS TOTAL TRANSMITTED BEAM SOLAR RADIATION RATE [W] |
| January | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| February | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| March | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| April | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| May | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| June | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| July | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| August | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| September | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| October | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| November | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| December | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|  |  |  |  |  |  |  |  |
| Annual Sum or Average | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Minimum of Months | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Maximum of Months | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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Report: **WINDOW ENERGY ZONE SUMMARY**

For: **PLENUM-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | ZONE WINDOWS TOTAL HEAT GAIN ENERGY [kWh] | ZONE WINDOWS TOTAL HEAT LOSS ENERGY [kWh] | ZONE WINDOWS TOTAL TRANSMITTED SOLAR RADIATION ENERGY [kWh] | ZONE EXTERIOR WINDOWS TOTAL TRANSMITTED BEAM SOLAR RADIATION ENERGY [kWh] | ZONE EXTERIOR WINDOWS TOTAL TRANSMITTED DIFFUSE SOLAR RADIATION ENERGY [kWh] | ZONE INTERIOR WINDOWS TOTAL TRANSMITTED DIFFUSE SOLAR RADIATION ENERGY [kWh] | ZONE INTERIOR WINDOWS TOTAL TRANSMITTED BEAM SOLAR RADIATION ENERGY [kWh] |
| January | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| February | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| March | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| April | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| May | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| June | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| July | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| August | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| September | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| October | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| November | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| December | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|  |  |  |  |  |  |  |  |
| Annual Sum or Average | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Minimum of Months | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Maximum of Months | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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Report: **WINDOW ENERGY ZONE SUMMARY**

For: **SPACE1-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | ZONE WINDOWS TOTAL HEAT GAIN ENERGY [kWh] | ZONE WINDOWS TOTAL HEAT LOSS ENERGY [kWh] | ZONE WINDOWS TOTAL TRANSMITTED SOLAR RADIATION ENERGY [kWh] | ZONE EXTERIOR WINDOWS TOTAL TRANSMITTED BEAM SOLAR RADIATION ENERGY [kWh] | ZONE EXTERIOR WINDOWS TOTAL TRANSMITTED DIFFUSE SOLAR RADIATION ENERGY [kWh] | ZONE INTERIOR WINDOWS TOTAL TRANSMITTED DIFFUSE SOLAR RADIATION ENERGY [kWh] | ZONE INTERIOR WINDOWS TOTAL TRANSMITTED BEAM SOLAR RADIATION ENERGY [kWh] |
| January | 639.49 | 10.10 | 497.91 | 115.28 | 382.63 | 0.00 | 0.00 |
| February | 523.80 | 7.60 | 392.68 | 40.93 | 351.75 | 0.00 | 0.00 |
| March | 574.24 | 5.09 | 430.16 | 27.92 | 402.24 | 0.00 | 0.00 |
| April | 520.28 | 7.64 | 397.98 | 15.89 | 382.09 | 0.00 | 0.00 |
| May | 462.02 | 13.40 | 350.58 | 4.33 | 346.25 | 0.00 | 0.00 |
| June | 408.22 | 32.08 | 351.02 | 1.00 | 350.02 | 0.00 | 0.00 |
| July | 423.17 | 40.67 | 369.75 | 1.48 | 368.28 | 0.00 | 0.00 |
| August | 435.47 | 47.33 | 385.80 | 12.29 | 373.51 | 0.00 | 0.00 |
| September | 513.05 | 62.99 | 466.53 | 60.93 | 405.60 | 0.00 | 0.00 |
| October | 539.55 | 45.34 | 479.31 | 57.58 | 421.73 | 0.00 | 0.00 |
| November | 510.96 | 39.30 | 446.05 | 71.67 | 374.38 | 0.00 | 0.00 |
| December | 656.58 | 16.24 | 540.44 | 147.34 | 393.10 | 0.00 | 0.00 |
|  |  |  |  |  |  |  |  |
| Annual Sum or Average | 6206.84 | 327.79 | 5108.21 | 556.63 | 4551.58 | 0.00 | 0.00 |
| Minimum of Months | 408.22 | 5.09 | 350.58 | 1.00 | 346.25 | 0.00 | 0.00 |
| Maximum of Months | 656.58 | 62.99 | 540.44 | 147.34 | 421.73 | 0.00 | 0.00 |

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Report: **WINDOW ENERGY ZONE SUMMARY**

For: **SPACE2-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | ZONE WINDOWS TOTAL HEAT GAIN ENERGY [kWh] | ZONE WINDOWS TOTAL HEAT LOSS ENERGY [kWh] | ZONE WINDOWS TOTAL TRANSMITTED SOLAR RADIATION ENERGY [kWh] | ZONE EXTERIOR WINDOWS TOTAL TRANSMITTED BEAM SOLAR RADIATION ENERGY [kWh] | ZONE EXTERIOR WINDOWS TOTAL TRANSMITTED DIFFUSE SOLAR RADIATION ENERGY [kWh] | ZONE INTERIOR WINDOWS TOTAL TRANSMITTED DIFFUSE SOLAR RADIATION ENERGY [kWh] | ZONE INTERIOR WINDOWS TOTAL TRANSMITTED BEAM SOLAR RADIATION ENERGY [kWh] |
| January | 535.61 | 4.51 | 475.91 | 206.71 | 269.20 | 0.00 | 0.00 |
| February | 428.95 | 3.21 | 374.31 | 113.67 | 260.64 | 0.00 | 0.00 |
| March | 499.70 | 2.39 | 439.22 | 143.81 | 295.41 | 0.00 | 0.00 |
| April | 420.29 | 3.68 | 369.78 | 111.94 | 257.84 | 0.00 | 0.00 |
| May | 342.00 | 6.10 | 298.84 | 73.62 | 225.22 | 0.00 | 0.00 |
| June | 321.32 | 13.73 | 295.77 | 66.64 | 229.13 | 0.00 | 0.00 |
| July | 356.93 | 17.03 | 330.58 | 83.45 | 247.13 | 0.00 | 0.00 |
| August | 363.54 | 19.37 | 338.99 | 89.35 | 249.64 | 0.00 | 0.00 |
| September | 446.48 | 24.12 | 421.14 | 155.79 | 265.35 | 0.00 | 0.00 |
| October | 537.65 | 18.59 | 502.79 | 211.05 | 291.74 | 0.00 | 0.00 |
| November | 535.69 | 15.85 | 499.20 | 232.51 | 266.69 | 0.00 | 0.00 |
| December | 538.93 | 7.32 | 489.05 | 210.40 | 278.65 | 0.00 | 0.00 |
|  |  |  |  |  |  |  |  |
| Annual Sum or Average | 5327.08 | 135.90 | 4835.59 | 1698.95 | 3136.63 | 0.00 | 0.00 |
| Minimum of Months | 321.32 | 2.39 | 295.77 | 66.64 | 225.22 | 0.00 | 0.00 |
| Maximum of Months | 538.93 | 24.12 | 502.79 | 232.51 | 295.41 | 0.00 | 0.00 |

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Report: **WINDOW ENERGY ZONE SUMMARY**

For: **SPACE3-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | ZONE WINDOWS TOTAL HEAT GAIN ENERGY [kWh] | ZONE WINDOWS TOTAL HEAT LOSS ENERGY [kWh] | ZONE WINDOWS TOTAL TRANSMITTED SOLAR RADIATION ENERGY [kWh] | ZONE EXTERIOR WINDOWS TOTAL TRANSMITTED BEAM SOLAR RADIATION ENERGY [kWh] | ZONE EXTERIOR WINDOWS TOTAL TRANSMITTED DIFFUSE SOLAR RADIATION ENERGY [kWh] | ZONE INTERIOR WINDOWS TOTAL TRANSMITTED DIFFUSE SOLAR RADIATION ENERGY [kWh] | ZONE INTERIOR WINDOWS TOTAL TRANSMITTED BEAM SOLAR RADIATION ENERGY [kWh] |
| January | 622.72 | 11.77 | 502.69 | 8.30 | 494.39 | 0.00 | 0.00 |
| February | 636.94 | 8.32 | 514.69 | 18.96 | 495.73 | 0.00 | 0.00 |
| March | 883.50 | 6.19 | 734.57 | 128.15 | 606.42 | 0.00 | 0.00 |
| April | 1004.64 | 9.59 | 859.63 | 262.79 | 596.84 | 0.00 | 0.00 |
| May | 1091.86 | 16.18 | 947.27 | 388.02 | 559.25 | 0.00 | 0.00 |
| June | 1196.32 | 36.40 | 1089.08 | 482.45 | 606.63 | 0.00 | 0.00 |
| July | 1237.59 | 45.20 | 1131.98 | 480.47 | 651.50 | 0.00 | 0.00 |
| August | 991.89 | 51.35 | 908.29 | 306.28 | 602.01 | 0.00 | 0.00 |
| September | 837.54 | 64.01 | 776.09 | 203.62 | 572.47 | 0.00 | 0.00 |
| October | 719.51 | 48.65 | 658.46 | 93.17 | 565.29 | 0.00 | 0.00 |
| November | 565.28 | 41.33 | 510.99 | 24.37 | 486.62 | 0.00 | 0.00 |
| December | 581.54 | 18.92 | 492.74 | 2.44 | 490.29 | 0.00 | 0.00 |
|  |  |  |  |  |  |  |  |
| Annual Sum or Average | 10369.32 | 357.92 | 9126.47 | 2399.03 | 6727.44 | 0.00 | 0.00 |
| Minimum of Months | 565.28 | 6.19 | 492.74 | 2.44 | 486.62 | 0.00 | 0.00 |
| Maximum of Months | 1237.59 | 64.01 | 1131.98 | 482.45 | 651.50 | 0.00 | 0.00 |

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Report: **WINDOW ENERGY ZONE SUMMARY**

For: **SPACE4-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | ZONE WINDOWS TOTAL HEAT GAIN ENERGY [kWh] | ZONE WINDOWS TOTAL HEAT LOSS ENERGY [kWh] | ZONE WINDOWS TOTAL TRANSMITTED SOLAR RADIATION ENERGY [kWh] | ZONE EXTERIOR WINDOWS TOTAL TRANSMITTED BEAM SOLAR RADIATION ENERGY [kWh] | ZONE EXTERIOR WINDOWS TOTAL TRANSMITTED DIFFUSE SOLAR RADIATION ENERGY [kWh] | ZONE INTERIOR WINDOWS TOTAL TRANSMITTED DIFFUSE SOLAR RADIATION ENERGY [kWh] | ZONE INTERIOR WINDOWS TOTAL TRANSMITTED BEAM SOLAR RADIATION ENERGY [kWh] |
| January | 374.75 | 4.83 | 320.14 | 81.35 | 238.79 | 0.00 | 0.00 |
| February | 341.99 | 3.44 | 290.55 | 50.45 | 240.10 | 0.00 | 0.00 |
| March | 429.60 | 2.88 | 371.64 | 87.20 | 284.44 | 0.00 | 0.00 |
| April | 513.45 | 4.66 | 454.28 | 175.31 | 278.97 | 0.00 | 0.00 |
| May | 561.43 | 8.07 | 502.14 | 247.10 | 255.04 | 0.00 | 0.00 |
| June | 542.46 | 15.99 | 500.51 | 234.89 | 265.62 | 0.00 | 0.00 |
| July | 523.35 | 18.76 | 484.04 | 208.33 | 275.71 | 0.00 | 0.00 |
| August | 528.33 | 21.14 | 490.38 | 212.80 | 277.58 | 0.00 | 0.00 |
| September | 545.70 | 26.72 | 510.47 | 233.20 | 277.27 | 0.00 | 0.00 |
| October | 457.55 | 19.51 | 423.73 | 145.12 | 278.61 | 0.00 | 0.00 |
| November | 350.66 | 16.47 | 320.78 | 85.40 | 235.38 | 0.00 | 0.00 |
| December | 360.75 | 7.80 | 316.79 | 76.49 | 240.30 | 0.00 | 0.00 |
|  |  |  |  |  |  |  |  |
| Annual Sum or Average | 5530.02 | 150.28 | 4985.44 | 1837.63 | 3147.81 | 0.00 | 0.00 |
| Minimum of Months | 341.99 | 2.88 | 290.55 | 50.45 | 235.38 | 0.00 | 0.00 |
| Maximum of Months | 561.43 | 26.72 | 510.47 | 247.10 | 284.44 | 0.00 | 0.00 |

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Report: **WINDOW ENERGY ZONE SUMMARY**

For: **SPACE5-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | ZONE WINDOWS TOTAL HEAT GAIN ENERGY [kWh] | ZONE WINDOWS TOTAL HEAT LOSS ENERGY [kWh] | ZONE WINDOWS TOTAL TRANSMITTED SOLAR RADIATION ENERGY [kWh] | ZONE EXTERIOR WINDOWS TOTAL TRANSMITTED BEAM SOLAR RADIATION ENERGY [kWh] | ZONE EXTERIOR WINDOWS TOTAL TRANSMITTED DIFFUSE SOLAR RADIATION ENERGY [kWh] | ZONE INTERIOR WINDOWS TOTAL TRANSMITTED DIFFUSE SOLAR RADIATION ENERGY [kWh] | ZONE INTERIOR WINDOWS TOTAL TRANSMITTED BEAM SOLAR RADIATION ENERGY [kWh] |
| January | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| February | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| March | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| April | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| May | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| June | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| July | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| August | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| September | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| October | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| November | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| December | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|  |  |  |  |  |  |  |  |
| Annual Sum or Average | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Minimum of Months | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Maximum of Months | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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Report: **AVERAGE OUTDOOR CONDITIONS**

For: **Environment**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | SITE OUTDOOR AIR DRYBULB TEMPERATURE [C] | SITE OUTDOOR AIR WETBULB TEMPERATURE [C] | SITE OUTDOOR AIR DEWPOINT TEMPERATURE [C] | SITE WIND SPEED [m/s] | SITE SKY TEMPERATURE [C] | SITE DIFFUSE SOLAR RADIATION RATE PER AREA [W/m2] | SITE DIRECT SOLAR RADIATION RATE PER AREA [W/m2] | RAINING [] |
| January | 24.18 | 20.07 | 18.16 | 1.30 | 14.74 | 90.57 | 148.81 | 0.00 |
| February | 24.22 | 20.80 | 19.30 | 0.78 | 16.54 | 111.25 | 95.66 | 0.00 |
| March | 24.46 | 21.07 | 19.61 | 0.79 | 16.25 | 114.63 | 110.96 | 0.00 |
| April | 24.15 | 20.60 | 19.02 | 1.01 | 14.79 | 102.53 | 148.50 | 0.00 |
| May | 23.96 | 20.00 | 18.16 | 1.49 | 14.00 | 81.86 | 159.53 | 0.00 |
| June | 22.47 | 18.89 | 17.15 | 2.00 | 12.29 | 88.21 | 162.55 | 0.00 |
| July | 22.26 | 18.58 | 16.75 | 2.29 | 12.10 | 93.07 | 153.13 | 0.00 |
| August | 22.09 | 18.36 | 16.47 | 2.40 | 11.84 | 95.32 | 149.33 | 0.00 |
| September | 21.59 | 17.98 | 16.15 | 2.50 | 10.76 | 93.93 | 194.69 | 0.00 |
| October | 22.10 | 18.41 | 16.55 | 2.49 | 11.43 | 100.91 | 170.28 | 0.00 |
| November | 22.26 | 18.49 | 16.55 | 2.40 | 12.01 | 90.97 | 159.14 | 0.00 |
| December | 23.60 | 19.15 | 16.98 | 2.10 | 12.87 | 92.21 | 144.40 | 0.00 |
|  |  |  |  |  |  |  |  |  |
| Annual Sum or Average | 23.11 | 19.36 | 17.56 | 1.80 | 13.28 | 96.19 | 150.01 |  |
| Minimum of Months | 21.59 | 17.98 | 16.15 | 0.78 | 10.76 | 81.86 | 95.66 | 0.00 |
| Maximum of Months | 24.46 | 21.07 | 19.61 | 2.50 | 16.54 | 114.63 | 194.69 | 0.00 |

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Report: **OUTDOOR CONDITIONS MAXIMUM DRYBULB**

For: **Environment**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | SITE OUTDOOR AIR DRYBULB TEMPERATURE {Maximum}[C] | SITE OUTDOOR AIR DRYBULB TEMPERATURE {TIMESTAMP} | SITE OUTDOOR AIR WETBULB TEMPERATURE {AT MAX/MIN} [C] | SITE OUTDOOR AIR DEWPOINT TEMPERATURE {AT MAX/MIN} [C] | SITE WIND SPEED {AT MAX/MIN} [m/s] | SITE SKY TEMPERATURE {AT MAX/MIN} [C] | SITE DIFFUSE SOLAR RADIATION RATE PER AREA {AT MAX/MIN} [W/m2] | SITE DIRECT SOLAR RADIATION RATE PER AREA {AT MAX/MIN} [W/m2] |
| January | 31.30 | 19-JAN-14:00 | 19.58 | 13.60 | 3.00 | 7.35 | 87.50 | 955.00 |
| February | 31.00 | 27-FEB-14:00 | 23.28 | 20.30 | 1.20 | 14.65 | 337.50 | 372.00 |
| March | 31.60 | 17-MAR-14:00 | 21.76 | 17.40 | 1.80 | 11.46 | 224.00 | 649.50 |
| April | 30.80 | 08-APR-14:00 | 20.93 | 16.40 | 2.40 | 9.91 | 133.50 | 807.00 |
| May | 31.70 | 20-MAY-14:00 | 20.33 | 14.70 | 1.00 | 8.15 | 69.50 | 926.00 |
| June | 29.40 | 25-JUN-14:00 | 19.63 | 14.80 | 2.10 | 7.75 | 80.00 | 868.00 |
| July | 29.50 | 21-JUL-12:00 | 18.87 | 13.50 | 1.10 | 10.11 | 428.50 | 173.50 |
| August | 29.60 | 19-AUG-14:00 | 19.78 | 15.20 | 4.10 | 8.74 | 166.50 | 701.50 |
| September | 29.10 | 05-SEP-14:00 | 20.75 | 16.90 | 2.20 | 9.13 | 80.00 | 924.50 |
| October | 29.90 | 10-OCT-14:00 | 20.42 | 15.80 | 6.40 | 8.94 | 101.50 | 859.50 |
| November | 29.70 | 11-NOV-14:00 | 21.43 | 17.80 | 8.80 | 12.03 | 208.00 | 573.50 |
| December | 31.40 | 18-DEC-14:00 | 19.88 | 14.10 | 2.60 | 8.35 | 134.00 | 793.50 |
|  |  |  |  |  |  |  |  |  |
| Annual Sum or Average |  |  |  |  |  |  |  |  |
| Minimum of Months | 29.10 |  | 18.87 | 13.50 | 1.00 | 7.35 | 69.50 | 173.50 |
| Maximum of Months | 31.70 |  | 23.28 | 20.30 | 8.80 | 14.65 | 428.50 | 955.00 |

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Report: **OUTDOOR CONDITIONS MINIMUM DRYBULB**

For: **Environment**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | SITE OUTDOOR AIR DRYBULB TEMPERATURE {MINIMUM}[C] | SITE OUTDOOR AIR DRYBULB TEMPERATURE {TIMESTAMP} | SITE OUTDOOR AIR WETBULB TEMPERATURE {AT MAX/MIN} [C] | SITE OUTDOOR AIR DEWPOINT TEMPERATURE {AT MAX/MIN} [C] | SITE WIND SPEED {AT MAX/MIN} [m/s] | SITE SKY TEMPERATURE {AT MAX/MIN} [C] | SITE DIFFUSE SOLAR RADIATION RATE PER AREA {AT MAX/MIN} [W/m2] | SITE DIRECT SOLAR RADIATION RATE PER AREA {AT MAX/MIN} [W/m2] |
| January | 17.60 | 24-JAN-05:00 | 15.84 | 15.00 | 0.30 | 12.03 | 0.00 | 0.00 |
| February | 17.70 | 09-FEB-05:00 | 16.16 | 15.30 | 0.00 | 12.60 | 0.00 | 0.00 |
| March | 18.30 | 09-MAR-05:00 | 17.86 | 17.70 | 0.20 | 14.47 | 0.00 | 0.00 |
| April | 18.20 | 30-APR-05:00 | 15.35 | 13.60 | 0.30 | 10.11 | 0.00 | 0.00 |
| May | 17.80 | 10-MAY-05:00 | 17.26 | 17.00 | 0.10 | 12.41 | 0.00 | 0.00 |
| June | 16.20 | 09-JUN-05:00 | 16.20 | 16.20 | 1.90 | 11.27 | 0.00 | 0.00 |
| July | 15.90 | 16-JUL-05:00 | 13.22 | 11.40 | 1.70 | 8.54 | 0.00 | 0.00 |
| August | 15.10 | 05-AUG-05:00 | 13.25 | 12.00 | 0.50 | 7.95 | 0.00 | 0.00 |
| September | 14.90 | 12-SEP-05:00 | 12.84 | 11.60 | 3.50 | 7.15 | 0.00 | 0.00 |
| October | 15.30 | 02-OCT-05:00 | 14.59 | 14.20 | 1.10 | 6.15 | 0.00 | 0.00 |
| November | 15.10 | 15-NOV-05:00 | 13.25 | 12.00 | 0.20 | 3.27 | 17.00 | 293.00 |
| December | 17.00 | 28-DEC-05:00 | 15.04 | 13.90 | 3.10 | 10.11 | 0.00 | 0.00 |
|  |  |  |  |  |  |  |  |  |
| Annual Sum or Average |  |  |  |  |  |  |  |  |
| Minimum of Months | 14.90 |  | 12.84 | 11.40 | 0.00 | 3.27 | 0.00 | 0.00 |
| Maximum of Months | 18.30 |  | 17.86 | 17.70 | 3.50 | 14.47 | 17.00 | 293.00 |

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Report: **OUTDOOR CONDITIONS MAXIMUM WETBULB**

For: **Environment**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | SITE OUTDOOR AIR WETBULB TEMPERATURE {Maximum}[C] | SITE OUTDOOR AIR WETBULB TEMPERATURE {TIMESTAMP} | SITE OUTDOOR AIR DRYBULB TEMPERATURE {AT MAX/MIN} [C] | SITE OUTDOOR AIR DEWPOINT TEMPERATURE {AT MAX/MIN} [C] | SITE WIND SPEED {AT MAX/MIN} [m/s] | SITE SKY TEMPERATURE {AT MAX/MIN} [C] | SITE DIFFUSE SOLAR RADIATION RATE PER AREA {AT MAX/MIN} [W/m2] | SITE DIRECT SOLAR RADIATION RATE PER AREA {AT MAX/MIN} [W/m2] |
| January | 24.06 | 27-JAN-13:00 | 27.80 | 22.70 | 3.70 | 18.82 | 336.00 | 34.00 |
| February | 25.53 | 22-FEB-15:00 | 30.10 | 24.10 | 1.70 | 19.87 | 281.50 | 76.00 |
| March | 25.17 | 22-MAR-14:00 | 28.50 | 24.10 | 2.20 | 21.96 | 169.00 | 3.00 |
| April | 24.63 | 07-APR-14:00 | 29.30 | 23.10 | 1.60 | 19.52 | 204.00 | 34.00 |
| May | 24.42 | 06-MAY-13:00 | 27.70 | 23.20 | 2.10 | 19.35 | 274.00 | 14.00 |
| June | 23.34 | 19-JUN-14:00 | 27.70 | 21.80 | 0.50 | 16.12 | 290.50 | 289.50 |
| July | 22.74 | 31-JUL-13:00 | 26.70 | 21.20 | 5.20 | 16.49 | 343.50 | 47.00 |
| August | 22.57 | 28-AUG-16:00 | 25.10 | 21.60 | 0.60 | 17.75 | 112.50 | 42.00 |
| September | 22.61 | 24-SEP-15:00 | 25.60 | 21.50 | 4.20 | 18.46 | 180.00 | 57.00 |
| October | 22.28 | 19-OCT-13:00 | 25.40 | 21.10 | 6.00 | 16.30 | 393.00 | 189.00 |
| November | 23.04 | 19-NOV-15:00 | 27.20 | 21.50 | 5.80 | 17.57 | 185.00 | 23.00 |
| December | 23.47 | 16-DEC-15:00 | 28.20 | 21.60 | 2.60 | 17.75 | 176.50 | 337.00 |
|  |  |  |  |  |  |  |  |  |
| Annual Sum or Average |  |  |  |  |  |  |  |  |
| Minimum of Months | 22.28 |  | 25.10 | 21.10 | 0.50 | 16.12 | 112.50 | 3.00 |
| Maximum of Months | 25.53 |  | 30.10 | 24.10 | 6.00 | 21.96 | 393.00 | 337.00 |

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Report: **OUTDOOR CONDITIONS MAXIMUM DEW POINT**

For: **Environment**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | SITE OUTDOOR AIR DEWPOINT TEMPERATURE {Maximum}[C] | SITE OUTDOOR AIR DEWPOINT TEMPERATURE {TIMESTAMP} | SITE OUTDOOR AIR DRYBULB TEMPERATURE {AT MAX/MIN} [C] | SITE OUTDOOR AIR WETBULB TEMPERATURE {AT MAX/MIN} [C] | SITE WIND SPEED {AT MAX/MIN} [m/s] | SITE SKY TEMPERATURE {AT MAX/MIN} [C] | SITE DIFFUSE SOLAR RADIATION RATE PER AREA {AT MAX/MIN} [W/m2] | SITE DIRECT SOLAR RADIATION RATE PER AREA {AT MAX/MIN} [W/m2] |
| January | 22.70 | 01-JAN-18:00 | 26.90 | 23.83 | 0.70 | 21.09 | 0.00 | 0.00 |
| February | 24.10 | 22-FEB-15:00 | 30.10 | 25.53 | 1.70 | 19.87 | 281.50 | 76.00 |
| March | 24.10 | 14-MAR-19:00 | 24.70 | 24.19 | 0.20 | 22.81 | 0.00 | 0.00 |
| April | 23.20 | 05-APR-07:00 | 24.20 | 23.57 | 0.40 | 19.35 | 172.50 | 11.50 |
| May | 23.20 | 06-MAY-13:00 | 27.70 | 24.42 | 2.10 | 19.35 | 274.00 | 14.00 |
| June | 21.80 | 03-JUN-14:00 | 25.20 | 22.66 | 0.90 | 18.64 | 232.00 | 148.50 |
| July | 21.50 | 03-JUL-10:00 | 24.70 | 22.46 | 0.70 | 17.57 | 314.50 | 16.00 |
| August | 21.60 | 17-AUG-08:00 | 22.50 | 21.89 | 1.90 | 18.99 | 115.50 | 0.00 |
| September | 21.50 | 24-SEP-14:00 | 25.90 | 22.60 | 3.50 | 16.30 | 285.50 | 58.50 |
| October | 21.10 | 12-OCT-08:00 | 22.80 | 21.56 | 1.80 | 17.75 | 210.50 | 1.50 |
| November | 21.50 | 16-NOV-12:00 | 23.20 | 21.95 | 1.50 | 19.52 | 122.00 | 0.00 |
| December | 21.60 | 01-DEC-13:00 | 27.60 | 23.25 | 0.70 | 20.22 | 269.00 | 47.00 |
|  |  |  |  |  |  |  |  |  |
| Annual Sum or Average |  |  |  |  |  |  |  |  |
| Minimum of Months | 21.10 |  | 22.50 | 21.56 | 0.20 | 16.30 | 0.00 | 0.00 |
| Maximum of Months | 24.10 |  | 30.10 | 25.53 | 3.50 | 22.81 | 314.50 | 148.50 |

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Report: **OUTDOOR GROUND CONDITIONS**

For: **Environment**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | SITE GROUND TEMPERATURE [C] | SITE SURFACE GROUND TEMPERATURE [C] | SITE DEEP GROUND TEMPERATURE [C] | SITE MAINS WATER TEMPERATURE [C] | SITE GROUND REFLECTED SOLAR RADIATION RATE PER AREA [W/m2] | SNOW ON GROUND [] |
| January | 20.03 | 13.00 | 16.00 | 10.00 | 38.48 | 0.00 |
| February | 20.03 | 13.00 | 16.00 | 10.00 | 36.21 | 0.00 |
| March | 20.13 | 13.00 | 16.00 | 10.00 | 38.82 | 0.00 |
| April | 20.30 | 13.00 | 16.00 | 10.00 | 41.57 | 0.00 |
| May | 20.43 | 13.00 | 16.00 | 10.00 | 38.06 | 0.00 |
| June | 20.52 | 13.00 | 16.00 | 10.00 | 39.02 | 0.00 |
| July | 20.62 | 13.00 | 16.00 | 10.00 | 38.76 | 0.00 |
| August | 20.77 | 13.00 | 16.00 | 10.00 | 39.64 | 0.00 |
| September | 20.78 | 13.00 | 16.00 | 10.00 | 46.44 | 0.00 |
| October | 20.55 | 13.00 | 16.00 | 10.00 | 44.11 | 0.00 |
| November | 20.44 | 13.00 | 16.00 | 10.00 | 40.09 | 0.00 |
| December | 20.20 | 13.00 | 16.00 | 10.00 | 37.57 | 0.00 |
|  |  |  |  |  |  |  |
| Annual Sum or Average | 20.40 | 13.00 | 16.00 | 10.00 | 39.91 |  |
| Minimum of Months | 20.03 | 13.00 | 16.00 | 10.00 | 36.21 | 0.00 |
| Maximum of Months | 20.78 | 13.00 | 16.00 | 10.00 | 46.44 | 0.00 |

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Report: **GENERATOR REPORT**

For: **SMALLMICROTURBINE**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | GENERATOR PRODUCED ELECTRIC ENERGY [kWh] | GENERATOR DIESEL ENERGY [] | GENERATOR GAS ENERGY [] | GENERATOR PRODUCED ELECTRIC ENERGY {HOURS NON-ZERO} [HOURS] | GENERATOR TOTAL HEAT RECOVERY [] | GENERATOR JACKET HEAT RECOVERY ENERGY [] | GENERATOR LUBE HEAT RECOVERY ENERGY [] | GENERATOR EXHAUST HEAT RECOVERY ENERGY [] | GENERATOR EXHAUST AIR TEMPERATURE [] |
| January | 1006.55 | 0.00 | 0.00 | 744.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| February | 908.75 | 0.00 | 0.00 | 672.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| March | 1003.67 | 0.00 | 0.00 | 744.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| April | 974.46 | 0.00 | 0.00 | 720.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| May | 1008.93 | 0.00 | 0.00 | 744.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| June | 991.56 | 0.00 | 0.00 | 720.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| July | 1026.85 | 0.00 | 0.00 | 744.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| August | 1028.59 | 0.00 | 0.00 | 744.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| September | 1000.58 | 0.00 | 0.00 | 720.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| October | 1028.57 | 0.00 | 0.00 | 744.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| November | 993.72 | 0.00 | 0.00 | 720.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| December | 1012.72 | 0.00 | 0.00 | 744.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|  |  |  |  |  |  |  |  |  |  |
| Annual Sum or Average | 11984.96 |  |  | 8760.00 |  |  |  |  |  |
| Minimum of Months | 908.75 | 0.00 | 0.00 | 672.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Maximum of Months | 1028.59 | 0.00 | 0.00 | 744.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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Report: **DAYLIGHTING REPORT**

For: **Environment**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | SITE EXTERIOR BEAM NORMAL ILLUMINANCE {HOURS NON-ZERO} [HOURS] | DAYLIGHTING LIGHTING POWER MULTIPLIER [] | DAYLIGHTING LIGHTING POWER MULTIPLIER [] | DAYLIGHTING REFERENCE POINT 1 ILLUMINANCE [] | DAYLIGHTING REFERENCE POINT 1 GLARE INDEX [] | DAYLIGHTING REFERENCE POINT 2 ILLUMINANCE [] | DAYLIGHTING REFERENCE POINT 2 GLARE INDEX [] |
| January | 307.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| February | 275.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| March | 321.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| April | 305.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| May | 294.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| June | 312.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| July | 319.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| August | 324.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| September | 316.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| October | 320.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| November | 292.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| December | 304.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|  |  |  |  |  |  |  |  |
| Annual Sum or Average | 3691.75 |  |  |  |  |  |  |
| Minimum of Months | 275.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Maximum of Months | 324.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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Report: **COIL REPORT**

For: **SPACE1-1 ZONE COIL**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | HEATING COIL HEATING ENERGY [kWh] | HEATING COIL HEATING RATE {Maximum}[W] | HEATING COIL HEATING RATE {TIMESTAMP} | COOLING COIL TOTAL COOLING ENERGY [] | COOLING COIL SENSIBLE COOLING ENERGY [] | COOLING COIL TOTAL COOLING RATE [] | COOLING COIL SENSIBLE COOLING RATE [] | COOLING COIL WETTED AREA FRACTION [] |
| January | 70.96 | 6879.79 | 24-JAN-06:02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| February | 61.88 | 6862.66 | 15-FEB-06:02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| March | 59.89 | 6735.72 | 05-MAR-06:03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| April | 86.22 | 7192.36 | 02-APR-06:03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| May | 89.94 | 7159.51 | 10-MAY-06:03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| June | 84.87 | 7214.90 | 17-JUN-06:03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| July | 96.84 | 7200.67 | 05-JUL-06:03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| August | 91.27 | 7249.76 | 02-AUG-06:03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| September | 86.57 | 7244.90 | 09-SEP-06:03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| October | 69.20 | 6920.59 | 31-OCT-06:03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| November | 65.27 | 6897.67 | 13-NOV-06:03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| December | 67.01 | 6899.66 | 26-DEC-06:03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|  |  |  |  |  |  |  |  |  |
| Annual Sum or Average | 929.92 |  |  |  |  |  |  |  |
| Minimum of Months | 59.89 | 6735.72 |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Maximum of Months | 96.84 | 7249.76 |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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Report: **COIL REPORT**

For: **SPACE2-1 ZONE COIL**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | HEATING COIL HEATING ENERGY [kWh] | HEATING COIL HEATING RATE {Maximum}[W] | HEATING COIL HEATING RATE {TIMESTAMP} | COOLING COIL TOTAL COOLING ENERGY [] | COOLING COIL SENSIBLE COOLING ENERGY [] | COOLING COIL TOTAL COOLING RATE [] | COOLING COIL SENSIBLE COOLING RATE [] | COOLING COIL WETTED AREA FRACTION [] |
| January | 30.12 | 3754.90 | 24-JAN-06:02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| February | 26.60 | 3745.14 | 15-FEB-06:02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| March | 25.68 | 3673.74 | 05-MAR-06:03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| April | 40.79 | 3929.97 | 02-APR-06:03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| May | 45.88 | 3911.46 | 10-MAY-06:03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| June | 40.17 | 3942.70 | 17-JUN-06:03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| July | 45.82 | 3933.43 | 16-JUL-06:03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| August | 42.86 | 3914.00 | 08-AUG-06:03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| September | 37.81 | 3940.11 | 11-SEP-06:03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| October | 17.06 | 3753.93 | 04-OCT-06:02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| November | 16.77 | 3764.83 | 13-NOV-06:03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| December | 26.70 | 3765.91 | 26-DEC-06:03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|  |  |  |  |  |  |  |  |  |
| Annual Sum or Average | 396.25 |  |  |  |  |  |  |  |
| Minimum of Months | 16.77 | 3673.74 |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Maximum of Months | 45.88 | 3942.70 |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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Report: **COIL REPORT**

For: **SPACE3-1 ZONE COIL**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | HEATING COIL HEATING ENERGY [kWh] | HEATING COIL HEATING RATE {Maximum}[W] | HEATING COIL HEATING RATE {TIMESTAMP} | COOLING COIL TOTAL COOLING ENERGY [] | COOLING COIL SENSIBLE COOLING ENERGY [] | COOLING COIL TOTAL COOLING RATE [] | COOLING COIL SENSIBLE COOLING RATE [] | COOLING COIL WETTED AREA FRACTION [] |
| January | 128.52 | 6117.32 | 24-JAN-06:02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| February | 108.54 | 6102.08 | 15-FEB-06:02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| March | 103.32 | 5989.68 | 05-MAR-06:03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| April | 176.06 | 6389.96 | 02-APR-06:03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| May | 196.16 | 6360.92 | 10-MAY-06:03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| June | 154.29 | 6453.97 | 13-JUN-06:03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| July | 181.44 | 6461.03 | 12-JUL-06:03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| August | 177.59 | 6440.72 | 02-AUG-06:03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| September | 173.98 | 6436.43 | 09-SEP-06:03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| October | 106.42 | 6153.44 | 31-OCT-06:03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| November | 110.23 | 6133.05 | 13-NOV-06:03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| December | 123.69 | 6134.78 | 26-DEC-06:03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|  |  |  |  |  |  |  |  |  |
| Annual Sum or Average | 1740.25 |  |  |  |  |  |  |  |
| Minimum of Months | 103.32 | 5989.68 |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Maximum of Months | 196.16 | 6461.03 |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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Report: **COIL REPORT**

For: **SPACE4-1 ZONE COIL**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | HEATING COIL HEATING ENERGY [kWh] | HEATING COIL HEATING RATE {Maximum}[W] | HEATING COIL HEATING RATE {TIMESTAMP} | COOLING COIL TOTAL COOLING ENERGY [] | COOLING COIL SENSIBLE COOLING ENERGY [] | COOLING COIL TOTAL COOLING RATE [] | COOLING COIL SENSIBLE COOLING RATE [] | COOLING COIL WETTED AREA FRACTION [] |
| January | 82.56 | 3060.00 | 24-JAN-06:02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| February | 71.00 | 3052.19 | 15-FEB-06:02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| March | 71.48 | 2995.21 | 05-MAR-06:03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| April | 131.41 | 3196.54 | 02-APR-06:03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| May | 151.04 | 3181.83 | 10-MAY-06:03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| June | 117.54 | 3229.04 | 13-JUN-06:03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| July | 143.93 | 3232.61 | 12-JUL-06:03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| August | 129.83 | 3222.29 | 02-AUG-06:03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| September | 127.06 | 3220.12 | 09-SEP-06:03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| October | 77.75 | 3078.30 | 31-OCT-06:03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| November | 75.60 | 3067.88 | 13-NOV-06:03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| December | 77.68 | 3068.73 | 26-DEC-06:03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|  |  |  |  |  |  |  |  |  |
| Annual Sum or Average | 1256.89 |  |  |  |  |  |  |  |
| Minimum of Months | 71.00 | 2995.21 |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Maximum of Months | 151.04 | 3232.61 |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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Report: **COIL REPORT**

For: **SPACE5-1 ZONE COIL**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | HEATING COIL HEATING ENERGY [kWh] | HEATING COIL HEATING RATE {Maximum}[W] | HEATING COIL HEATING RATE {TIMESTAMP} | COOLING COIL TOTAL COOLING ENERGY [] | COOLING COIL SENSIBLE COOLING ENERGY [] | COOLING COIL TOTAL COOLING RATE [] | COOLING COIL SENSIBLE COOLING RATE [] | COOLING COIL WETTED AREA FRACTION [] |
| January | 100.13 | 7278.50 | 24-JAN-06:02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| February | 86.96 | 7259.38 | 15-FEB-06:02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| March | 86.59 | 7152.31 | 25-MAR-06:04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| April | 113.09 | 7715.56 | 11-APR-06:04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| May | 115.30 | 7686.84 | 29-MAY-06:04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| June | 101.16 | 7700.09 | 13-JUN-06:03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| July | 113.74 | 7708.88 | 12-JUL-06:03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| August | 104.29 | 7744.09 | 27-AUG-06:04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| September | 99.64 | 7678.22 | 09-SEP-06:03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| October | 88.26 | 7323.31 | 31-OCT-06:03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| November | 85.44 | 7297.84 | 13-NOV-06:03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| December | 91.93 | 7299.92 | 26-DEC-06:03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|  |  |  |  |  |  |  |  |  |
| Annual Sum or Average | 1186.53 |  |  |  |  |  |  |  |
| Minimum of Months | 85.44 | 7152.31 |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Maximum of Months | 115.30 | 7744.09 |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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Report: **COIL REPORT**

For: **MAIN HEATING COIL 1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | HEATING COIL HEATING ENERGY [kWh] | HEATING COIL HEATING RATE {Maximum}[W] | HEATING COIL HEATING RATE {TIMESTAMP} | COOLING COIL TOTAL COOLING ENERGY [] | COOLING COIL SENSIBLE COOLING ENERGY [] | COOLING COIL TOTAL COOLING RATE [] | COOLING COIL SENSIBLE COOLING RATE [] | COOLING COIL WETTED AREA FRACTION [] |
| January | 0.00 | 0.00 | 01-JAN-00:15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| February | 0.00 | 0.00 | 01-FEB-00:15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| March | 0.00 | 0.00 | 01-MAR-00:15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| April | 0.00 | 0.00 | 01-APR-00:15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| May | 0.00 | 0.00 | 01-MAY-00:15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| June | 0.00 | 0.00 | 01-JUN-00:15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| July | 0.00 | 0.00 | 01-JUL-00:15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| August | 0.00 | 0.00 | 01-AUG-00:15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| September | 0.00 | 0.00 | 01-SEP-00:15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| October | 0.00 | 0.00 | 01-OCT-00:15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| November | 0.00 | 0.00 | 01-NOV-00:15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| December | 0.00 | 0.00 | 01-DEC-00:15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|  |  |  |  |  |  |  |  |  |
| Annual Sum or Average | 0.00 |  |  |  |  |  |  |  |
| Minimum of Months | 0.00 | 0.00 |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Maximum of Months | 0.00 | 0.00 |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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Report: **COIL REPORT**

For: **MAIN COOLING COIL 1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | HEATING COIL HEATING ENERGY [] | HEATING COIL HEATING RATE [] | COOLING COIL TOTAL COOLING ENERGY [kWh] | COOLING COIL SENSIBLE COOLING ENERGY [kWh] | COOLING COIL TOTAL COOLING RATE {Maximum}[W] | COOLING COIL TOTAL COOLING RATE {TIMESTAMP} | COOLING COIL SENSIBLE COOLING RATE {AT MAX/MIN} [W] | COOLING COIL WETTED AREA FRACTION [] |
| January | 0.00 | 0.00 | 4307.95 | 2921.71 | 23070.66 | 22-JAN-15:00 | 12185.17 | 0.43 |
| February | 0.00 | 0.00 | 3946.41 | 2597.40 | 28735.41 | 22-FEB-16:00 | 15500.24 | 0.42 |
| March | 0.00 | 0.00 | 4628.45 | 2750.38 | 27678.94 | 22-MAR-11:00 | 16081.92 | 0.40 |
| April | 0.00 | 0.00 | 5356.64 | 3290.20 | 27696.08 | 11-APR-15:00 | 13214.61 | 0.43 |
| May | 0.00 | 0.00 | 5418.21 | 3356.82 | 27172.92 | 06-MAY-14:00 | 12937.79 | 0.43 |
| June | 0.00 | 0.00 | 4195.00 | 2808.46 | 25671.16 | 19-JUN-15:00 | 13665.36 | 0.39 |
| July | 0.00 | 0.00 | 4768.30 | 3144.03 | 23893.63 | 29-JUL-15:00 | 15132.55 | 0.43 |
| August | 0.00 | 0.00 | 4327.69 | 2979.02 | 22883.78 | 28-AUG-16:00 | 11108.87 | 0.41 |
| September | 0.00 | 0.00 | 4098.53 | 2845.59 | 23779.00 | 24-SEP-15:00 | 12379.00 | 0.41 |
| October | 0.00 | 0.00 | 3465.64 | 2789.08 | 20237.56 | 11-OCT-15:00 | 17200.49 | 0.43 |
| November | 0.00 | 0.00 | 3245.14 | 2521.45 | 20947.92 | 19-NOV-16:00 | 11868.84 | 0.41 |
| December | 0.00 | 0.00 | 3574.35 | 2774.40 | 22108.80 | 16-DEC-16:00 | 12623.20 | 0.41 |
|  |  |  |  |  |  |  |  |  |
| Annual Sum or Average |  |  | 51332.32 | 34778.54 |  |  |  | 0.42 |
| Minimum of Months | 0.00 | 0.00 | 3245.14 | 2521.45 | 20237.56 |  | 11108.87 | 0.39 |
| Maximum of Months | 0.00 | 0.00 | 5418.21 | 3356.82 | 28735.41 |  | 17200.49 | 0.43 |

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Report: **PLANT LOOP DEMAND REPORT**

For: **HOT WATER LOOP**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | PLANT SUPPLY SIDE COOLING DEMAND RATE [W] | PLANT SUPPLY SIDE COOLING DEMAND RATE {Maximum}[W] | PLANT SUPPLY SIDE COOLING DEMAND RATE {TIMESTAMP} | PLANT SUPPLY SIDE HEATING DEMAND RATE [W] | PLANT SUPPLY SIDE HEATING DEMAND RATE {Maximum}[W] | PLANT SUPPLY SIDE HEATING DEMAND RATE {TIMESTAMP} |
| January | 0.00 | 0.00 | 01-JAN-00:15 | 564.81 | 58847.74 | 10-JAN-06:02 |
| February | 0.00 | 0.00 | 01-FEB-00:15 | 539.42 | 58768.73 | 15-FEB-06:02 |
| March | 0.00 | 0.00 | 01-MAR-00:15 | 477.56 | 57896.09 | 08-MAR-06:03 |
| April | 0.00 | 0.00 | 01-APR-00:15 | 764.89 | 58330.09 | 24-APR-06:03 |
| May | 0.00 | 0.00 | 01-MAY-00:15 | 806.50 | 56977.30 | 10-MAY-06:03 |
| June | 0.00 | 0.00 | 01-JUN-00:15 | 696.02 | 58361.77 | 26-JUN-06:03 |
| July | 0.00 | 0.00 | 01-JUL-00:15 | 786.76 | 56970.17 | 17-JUL-06:03 |
| August | 0.00 | 0.00 | 01-AUG-00:15 | 735.89 | 57650.67 | 05-AUG-06:03 |
| September | 0.00 | 0.00 | 01-SEP-00:15 | 732.83 | 57460.65 | 19-SEP-06:03 |
| October | 0.00 | 0.00 | 01-OCT-00:15 | 493.82 | 59203.26 | 02-OCT-06:02 |
| November | 0.00 | 0.00 | 01-NOV-00:15 | 499.33 | 58395.31 | 04-NOV-06:02 |
| December | 0.00 | 0.00 | 01-DEC-00:15 | 530.90 | 58760.34 | 11-DEC-06:02 |
|  |  |  |  |  |  |  |
| Annual Sum or Average | 0.00 |  |  | 636.11 |  |  |
| Minimum of Months | 0.00 | 0.00 |  | 477.56 | 56970.17 |  |
| Maximum of Months | 0.00 | 0.00 |  | 806.50 | 59203.26 |  |

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Report: **PLANT LOOP DEMAND REPORT**

For: **CHILLED WATER LOOP**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | PLANT SUPPLY SIDE COOLING DEMAND RATE [W] | PLANT SUPPLY SIDE COOLING DEMAND RATE {Maximum}[W] | PLANT SUPPLY SIDE COOLING DEMAND RATE {TIMESTAMP} | PLANT SUPPLY SIDE HEATING DEMAND RATE [W] | PLANT SUPPLY SIDE HEATING DEMAND RATE {Maximum}[W] | PLANT SUPPLY SIDE HEATING DEMAND RATE {TIMESTAMP} |
| January | 5828.90 | 23118.52 | 22-JAN-15:00 | 0.00 | 0.00 | 01-JAN-00:15 |
| February | 5909.91 | 28840.25 | 22-FEB-16:00 | 0.00 | 0.00 | 01-FEB-00:15 |
| March | 6257.46 | 27721.28 | 22-MAR-11:00 | 0.00 | 0.00 | 01-MAR-00:15 |
| April | 7527.13 | 28868.59 | 11-APR-16:00 | 0.00 | 0.00 | 01-APR-00:15 |
| May | 7363.14 | 27603.13 | 06-MAY-14:00 | 0.00 | 0.00 | 01-MAY-00:15 |
| June | 5894.86 | 25880.79 | 19-JUN-15:00 | 0.00 | 0.00 | 01-JUN-00:15 |
| July | 6485.15 | 24104.30 | 31-JUL-14:30 | 0.00 | 0.00 | 01-JUL-00:15 |
| August | 5888.00 | 23086.13 | 28-AUG-16:00 | 0.00 | 0.00 | 01-AUG-00:15 |
| September | 5762.44 | 23971.32 | 24-SEP-15:00 | 0.00 | 0.00 | 01-SEP-00:15 |
| October | 4692.21 | 20273.64 | 11-OCT-15:00 | 0.00 | 0.00 | 01-OCT-00:15 |
| November | 4540.80 | 21075.80 | 19-NOV-16:00 | 0.00 | 0.00 | 01-NOV-00:15 |
| December | 4838.93 | 22159.19 | 16-DEC-16:00 | 0.00 | 0.00 | 01-DEC-00:15 |
|  |  |  |  |  |  |  |
| Annual Sum or Average | 5915.62 |  |  | 0.00 |  |  |
| Minimum of Months | 4540.80 | 20273.64 |  | 0.00 | 0.00 |  |
| Maximum of Months | 7527.13 | 28868.59 |  | 0.00 | 0.00 |  |

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Report: **FAN REPORT**

For: **SUPPLY FAN 1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | FAN ELECTRIC ENERGY [kWh] | FAN RISE IN AIR TEMPERATURE [deltaC] | FAN ELECTRIC POWER {Maximum}[W] | FAN ELECTRIC POWER {TIMESTAMP} | FAN RISE IN AIR TEMPERATURE {AT MAX/MIN} [deltaC] |
| January | 205.50 | 0.32 | 808.58 | 31-JAN-15:00 | 0.63 |
| February | 180.40 | 0.30 | 831.06 | 27-FEB-15:00 | 0.63 |
| March | 190.13 | 0.29 | 853.80 | 22-MAR-11:00 | 0.63 |
| April | 187.86 | 0.33 | 734.99 | 02-APR-06:03 | 0.64 |
| May | 195.96 | 0.33 | 734.99 | 10-MAY-06:03 | 0.64 |
| June | 171.82 | 0.30 | 734.99 | 04-JUN-06:03 | 0.64 |
| July | 196.82 | 0.33 | 751.16 | 12-JUL-10:30 | 0.64 |
| August | 188.49 | 0.32 | 749.73 | 01-AUG-10:30 | 0.64 |
| September | 180.38 | 0.31 | 734.99 | 11-SEP-06:03 | 0.64 |
| October | 211.64 | 0.31 | 826.07 | 11-OCT-15:00 | 0.63 |
| November | 190.56 | 0.30 | 820.03 | 13-NOV-16:00 | 0.63 |
| December | 198.10 | 0.30 | 800.15 | 12-DEC-15:00 | 0.63 |
|  |  |  |  |  |  |
| Annual Sum or Average | 2297.66 | 0.31 |  |  |  |
| Minimum of Months | 171.82 | 0.29 | 734.99 |  | 0.63 |
| Maximum of Months | 211.64 | 0.33 | 853.80 |  | 0.64 |

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Report: **PUMP REPORT**

For: **HW CIRC PUMP**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | PUMP ELECTRIC ENERGY [kWh] | PUMP FLUID HEAT GAIN ENERGY [kWh] | PUMP ELECTRIC POWER {Maximum}[W] | PUMP ELECTRIC POWER {TIMESTAMP} | PUMP SHAFT POWER {AT MAX/MIN} [W] | PUMP FLUID HEAT GAIN RATE {AT MAX/MIN} [W] | PUMP OUTLET TEMPERATURE {AT MAX/MIN} [C] | PUMP MASS FLOW RATE {AT MAX/MIN} [kg/s] |
| January | 0.87 | 0.78 | 127.65 | 31-JAN-06:03 | 114.88 | 114.88 | 55.93 | 0.49 |
| February | 0.75 | 0.68 | 127.64 | 01-FEB-06:03 | 114.88 | 114.88 | 55.86 | 0.49 |
| March | 0.72 | 0.65 | 127.63 | 06-MAR-06:03 | 114.87 | 114.87 | 55.68 | 0.49 |
| April | 1.10 | 0.99 | 127.66 | 03-APR-06:03 | 114.90 | 114.90 | 56.21 | 0.49 |
| May | 1.17 | 1.05 | 127.69 | 15-MAY-06:03 | 114.92 | 114.92 | 56.62 | 0.49 |
| June | 1.02 | 0.92 | 127.72 | 13-JUN-06:03 | 114.95 | 114.95 | 57.02 | 0.49 |
| July | 1.18 | 1.06 | 127.72 | 31-JUL-06:03 | 114.95 | 114.95 | 57.09 | 0.49 |
| August | 1.11 | 1.00 | 127.68 | 02-AUG-06:03 | 114.91 | 114.91 | 56.45 | 0.49 |
| September | 1.07 | 0.96 | 127.70 | 23-SEP-06:03 | 114.93 | 114.93 | 56.74 | 0.49 |
| October | 0.75 | 0.68 | 127.64 | 29-OCT-06:03 | 114.88 | 114.88 | 55.85 | 0.49 |
| November | 0.74 | 0.67 | 127.69 | 18-NOV-06:03 | 114.92 | 114.92 | 56.67 | 0.49 |
| December | 0.81 | 0.73 | 127.62 | 24-DEC-06:03 | 114.86 | 114.86 | 55.47 | 0.49 |
|  |  |  |  |  |  |  |  |  |
| Annual Sum or Average | 11.29 | 10.16 |  |  |  |  |  |  |
| Minimum of Months | 0.72 | 0.65 | 127.62 |  | 114.86 | 114.86 | 55.47 | 0.49 |
| Maximum of Months | 1.18 | 1.06 | 127.72 |  | 114.95 | 114.95 | 57.09 | 0.49 |

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Report: **PUMP REPORT**

For: **CW CIRC PUMP**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | PUMP ELECTRIC ENERGY [kWh] | PUMP FLUID HEAT GAIN ENERGY [kWh] | PUMP ELECTRIC POWER {Maximum}[W] | PUMP ELECTRIC POWER {TIMESTAMP} | PUMP SHAFT POWER {AT MAX/MIN} [W] | PUMP FLUID HEAT GAIN RATE {AT MAX/MIN} [W] | PUMP OUTLET TEMPERATURE {AT MAX/MIN} [C] | PUMP MASS FLOW RATE {AT MAX/MIN} [kg/s] |
| January | 41.58 | 37.43 | 178.97 | 22-JAN-18:00 | 161.07 | 161.07 | 14.37 | 0.70 |
| February | 36.92 | 33.23 | 190.94 | 22-FEB-16:00 | 171.85 | 171.85 | 16.45 | 0.75 |
| March | 41.22 | 37.09 | 189.67 | 22-MAR-15:45 | 170.70 | 170.70 | 15.40 | 0.74 |
| April | 72.97 | 65.68 | 301.18 | 18-APR-17:00 | 271.06 | 271.06 | 12.00 | 1.18 |
| May | 74.83 | 67.35 | 296.77 | 06-MAY-13:15 | 267.09 | 267.09 | 12.64 | 1.16 |
| June | 61.18 | 55.06 | 294.60 | 21-JUN-16:30 | 265.14 | 265.14 | 12.06 | 1.15 |
| July | 70.16 | 63.15 | 286.06 | 31-JUL-16:30 | 257.45 | 257.45 | 11.86 | 1.12 |
| August | 65.29 | 58.76 | 285.72 | 28-AUG-17:00 | 257.15 | 257.15 | 11.91 | 1.12 |
| September | 62.09 | 55.88 | 286.24 | 24-SEP-16:30 | 257.62 | 257.62 | 12.02 | 1.12 |
| October | 35.68 | 32.11 | 157.57 | 17-OCT-17:00 | 141.82 | 141.82 | 13.87 | 0.62 |
| November | 33.73 | 30.36 | 170.36 | 19-NOV-18:00 | 153.33 | 153.33 | 13.86 | 0.67 |
| December | 36.36 | 32.73 | 169.46 | 16-DEC-16:00 | 152.51 | 152.51 | 15.21 | 0.66 |
|  |  |  |  |  |  |  |  |  |
| Annual Sum or Average | 632.02 | 568.82 |  |  |  |  |  |  |
| Minimum of Months | 33.73 | 30.36 | 157.57 |  | 141.82 | 141.82 | 11.86 | 0.62 |
| Maximum of Months | 74.83 | 67.35 | 301.18 |  | 271.06 | 271.06 | 16.45 | 1.18 |

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Report: **COND LOOP DEMAND REPORT**

For: **HOT WATER LOOP**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | PLANT SUPPLY SIDE COOLING DEMAND RATE [W] | PLANT SUPPLY SIDE COOLING DEMAND RATE {Maximum}[W] | PLANT SUPPLY SIDE COOLING DEMAND RATE {TIMESTAMP} | PLANT SUPPLY SIDE INLET TEMPERATURE {AT MAX/MIN} [C] | PLANT SUPPLY SIDE OUTLET TEMPERATURE {AT MAX/MIN} [C] | PLANT SUPPLY SIDE HEATING DEMAND RATE [W] | PLANT SUPPLY SIDE HEATING DEMAND RATE {Maximum}[W] | PLANT SUPPLY SIDE HEATING DEMAND RATE {TIMESTAMP} |
| January | 0.00 | 0.00 | 01-JAN-00:15 | 43.39 | 43.39 | 564.81 | 58847.74 | 10-JAN-06:02 |
| February | 0.00 | 0.00 | 01-FEB-00:15 | 44.99 | 44.99 | 539.42 | 58768.73 | 15-FEB-06:02 |
| March | 0.00 | 0.00 | 01-MAR-00:15 | 43.89 | 43.89 | 477.56 | 57896.09 | 08-MAR-06:03 |
| April | 0.00 | 0.00 | 01-APR-00:15 | 43.40 | 43.40 | 764.89 | 58330.09 | 24-APR-06:03 |
| May | 0.00 | 0.00 | 01-MAY-00:15 | 43.82 | 43.82 | 806.50 | 56977.30 | 10-MAY-06:03 |
| June | 0.00 | 0.00 | 01-JUN-00:15 | 44.36 | 44.36 | 696.02 | 58361.77 | 26-JUN-06:03 |
| July | 0.00 | 0.00 | 01-JUL-00:15 | 43.70 | 43.70 | 786.76 | 56970.17 | 17-JUL-06:03 |
| August | 0.00 | 0.00 | 01-AUG-00:15 | 44.49 | 44.49 | 735.89 | 57650.67 | 05-AUG-06:03 |
| September | 0.00 | 0.00 | 01-SEP-00:15 | 42.92 | 42.92 | 732.83 | 57460.65 | 19-SEP-06:03 |
| October | 0.00 | 0.00 | 01-OCT-00:15 | 43.30 | 43.30 | 493.82 | 59203.26 | 02-OCT-06:02 |
| November | 0.00 | 0.00 | 01-NOV-00:15 | 44.18 | 44.18 | 499.33 | 58395.31 | 04-NOV-06:02 |
| December | 0.00 | 0.00 | 01-DEC-00:15 | 43.55 | 43.55 | 530.90 | 58760.34 | 11-DEC-06:02 |
|  |  |  |  |  |  |  |  |  |
| Annual Sum or Average | 0.00 |  |  |  |  | 636.11 |  |  |
| Minimum of Months | 0.00 | 0.00 |  | 42.92 | 42.92 | 477.56 | 56970.17 |  |
| Maximum of Months | 0.00 | 0.00 |  | 44.99 | 44.99 | 806.50 | 59203.26 |  |

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Report: **COND LOOP DEMAND REPORT**

For: **CHILLED WATER LOOP**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | PLANT SUPPLY SIDE COOLING DEMAND RATE [W] | PLANT SUPPLY SIDE COOLING DEMAND RATE {Maximum}[W] | PLANT SUPPLY SIDE COOLING DEMAND RATE {TIMESTAMP} | PLANT SUPPLY SIDE INLET TEMPERATURE {AT MAX/MIN} [C] | PLANT SUPPLY SIDE OUTLET TEMPERATURE {AT MAX/MIN} [C] | PLANT SUPPLY SIDE HEATING DEMAND RATE [W] | PLANT SUPPLY SIDE HEATING DEMAND RATE {Maximum}[W] | PLANT SUPPLY SIDE HEATING DEMAND RATE {TIMESTAMP} |
| January | 5828.90 | 23118.52 | 22-JAN-15:00 | 15.51 | 7.22 | 0.00 | 0.00 | 01-JAN-00:15 |
| February | 5909.91 | 28840.25 | 22-FEB-16:00 | 16.45 | 7.22 | 0.00 | 0.00 | 01-FEB-00:15 |
| March | 6257.46 | 27721.28 | 22-MAR-11:00 | 17.07 | 7.22 | 0.00 | 0.00 | 01-MAR-00:15 |
| April | 7527.13 | 28868.59 | 11-APR-16:00 | 13.25 | 7.22 | 0.00 | 0.00 | 01-APR-00:15 |
| May | 7363.14 | 27603.13 | 06-MAY-14:00 | 12.94 | 7.22 | 0.00 | 0.00 | 01-MAY-00:15 |
| June | 5894.86 | 25880.79 | 19-JUN-15:00 | 12.73 | 7.22 | 0.00 | 0.00 | 01-JUN-00:15 |
| July | 6485.15 | 24104.30 | 31-JUL-14:30 | 12.53 | 7.22 | 0.00 | 0.00 | 01-JUL-00:15 |
| August | 5888.00 | 23086.13 | 28-AUG-16:00 | 12.23 | 7.22 | 0.00 | 0.00 | 01-AUG-00:15 |
| September | 5762.44 | 23971.32 | 24-SEP-15:00 | 12.50 | 7.22 | 0.00 | 0.00 | 01-SEP-00:15 |
| October | 4692.21 | 20273.64 | 11-OCT-15:00 | 16.07 | 7.22 | 0.00 | 0.00 | 01-OCT-00:15 |
| November | 4540.80 | 21075.80 | 19-NOV-16:00 | 15.08 | 7.22 | 0.00 | 0.00 | 01-NOV-00:15 |
| December | 4838.93 | 22159.19 | 16-DEC-16:00 | 15.21 | 7.22 | 0.00 | 0.00 | 01-DEC-00:15 |
|  |  |  |  |  |  |  |  |  |
| Annual Sum or Average | 5915.62 |  |  |  |  | 0.00 |  |  |
| Minimum of Months | 4540.80 | 20273.64 |  | 12.23 | 7.22 | 0.00 | 0.00 |  |
| Maximum of Months | 7527.13 | 28868.59 |  | 17.07 | 7.22 | 0.00 | 0.00 |  |

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Report: **ZONE TEMPERATURE OSCILLATION REPORT**

For: **PLENUM-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |
| --- | --- | --- |
|  | ZONE OSCILLATING TEMPERATURES TIME {HOURS NON-ZERO} [HOURS] | ZONE PEOPLE OCCUPANT COUNT [] |
| January | 0.00 | 0.00 |
| February | 0.00 | 0.00 |
| March | 0.00 | 0.00 |
| April | 0.00 | 0.00 |
| May | 0.00 | 0.00 |
| June | 0.00 | 0.00 |
| July | 0.00 | 0.00 |
| August | 0.00 | 0.00 |
| September | 0.00 | 0.00 |
| October | 0.00 | 0.00 |
| November | 0.00 | 0.00 |
| December | 0.00 | 0.00 |
|  |  |  |
| Annual Sum or Average | 0.00 |  |
| Minimum of Months | 0.00 | 0.00 |
| Maximum of Months | 0.00 | 0.00 |

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Report: **ZONE TEMPERATURE OSCILLATION REPORT**

For: **SPACE1-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |
| --- | --- | --- |
|  | ZONE OSCILLATING TEMPERATURES TIME {HOURS NON-ZERO} [HOURS] | ZONE PEOPLE OCCUPANT COUNT {FOR HOURS SHOWN} [] |
| January | 0.00 | 0.00 |
| February | 0.00 | 0.00 |
| March | 0.00 | 0.00 |
| April | 0.00 | 0.00 |
| May | 0.00 | 0.00 |
| June | 0.00 | 0.00 |
| July | 0.00 | 0.00 |
| August | 0.00 | 0.00 |
| September | 0.00 | 0.00 |
| October | 0.00 | 0.00 |
| November | 0.00 | 0.00 |
| December | 0.00 | 0.00 |
|  |  |  |
| Annual Sum or Average | 0.00 |  |
| Minimum of Months | 0.00 | 0.00 |
| Maximum of Months | 0.00 | 0.00 |

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Report: **ZONE TEMPERATURE OSCILLATION REPORT**

For: **SPACE2-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |
| --- | --- | --- |
|  | ZONE OSCILLATING TEMPERATURES TIME {HOURS NON-ZERO} [HOURS] | ZONE PEOPLE OCCUPANT COUNT {FOR HOURS SHOWN} [] |
| January | 0.00 | 0.00 |
| February | 0.00 | 0.00 |
| March | 0.00 | 0.00 |
| April | 0.00 | 0.00 |
| May | 0.00 | 0.00 |
| June | 0.00 | 0.00 |
| July | 0.00 | 0.00 |
| August | 0.00 | 0.00 |
| September | 0.21 | 0.00 |
| October | 0.00 | 0.00 |
| November | 0.21 | 3.00 |
| December | 0.00 | 0.00 |
|  |  |  |
| Annual Sum or Average | 0.42 | 1.50 |
| Minimum of Months | 0.00 | 0.00 |
| Maximum of Months | 0.21 | 3.00 |

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Report: **ZONE TEMPERATURE OSCILLATION REPORT**

For: **SPACE3-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |
| --- | --- | --- |
|  | ZONE OSCILLATING TEMPERATURES TIME {HOURS NON-ZERO} [HOURS] | ZONE PEOPLE OCCUPANT COUNT {FOR HOURS SHOWN} [] |
| January | 0.00 | 0.00 |
| February | 0.00 | 0.00 |
| March | 0.00 | 0.00 |
| April | 0.00 | 0.00 |
| May | 0.00 | 0.00 |
| June | 0.00 | 0.00 |
| July | 0.00 | 0.00 |
| August | 0.00 | 0.00 |
| September | 0.21 | 0.00 |
| October | 0.00 | 0.00 |
| November | 0.00 | 0.00 |
| December | 0.00 | 0.00 |
|  |  |  |
| Annual Sum or Average | 0.21 | 0.00 |
| Minimum of Months | 0.00 | 0.00 |
| Maximum of Months | 0.21 | 0.00 |

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Report: **ZONE TEMPERATURE OSCILLATION REPORT**

For: **SPACE4-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |
| --- | --- | --- |
|  | ZONE OSCILLATING TEMPERATURES TIME {HOURS NON-ZERO} [HOURS] | ZONE PEOPLE OCCUPANT COUNT {FOR HOURS SHOWN} [] |
| January | 0.00 | 0.00 |
| February | 0.00 | 0.00 |
| March | 0.00 | 0.00 |
| April | 0.00 | 0.00 |
| May | 0.00 | 0.00 |
| June | 0.00 | 0.00 |
| July | 0.00 | 0.00 |
| August | 0.00 | 0.00 |
| September | 0.08 | 0.00 |
| October | 0.00 | 0.00 |
| November | 0.00 | 0.00 |
| December | 0.00 | 0.00 |
|  |  |  |
| Annual Sum or Average | 0.08 | 0.00 |
| Minimum of Months | 0.00 | 0.00 |
| Maximum of Months | 0.08 | 0.00 |

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Report: **ZONE TEMPERATURE OSCILLATION REPORT**

For: **SPACE5-1**

Timestamp: **2019-06-19 07:53:09**

**Custom Monthly Report**

|  |  |  |
| --- | --- | --- |
|  | ZONE OSCILLATING TEMPERATURES TIME {HOURS NON-ZERO} [HOURS] | ZONE PEOPLE OCCUPANT COUNT {FOR HOURS SHOWN} [] |
| January | 0.00 | 0.00 |
| February | 0.00 | 0.00 |
| March | 0.00 | 0.00 |
| April | 0.00 | 0.00 |
| May | 0.00 | 0.00 |
| June | 0.00 | 0.00 |
| July | 0.00 | 0.00 |
| August | 0.00 | 0.00 |
| September | 0.00 | 0.00 |
| October | 0.00 | 0.00 |
| November | 0.00 | 0.00 |
| December | 0.00 | 0.00 |
|  |  |  |
| Annual Sum or Average | 0.00 |  |
| Minimum of Months | 0.00 | 0.00 |
| Maximum of Months | 0.00 | 0.00 |

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Report: **Economics Results Summary Report**

For: **Entire Facility**

Timestamp: **2019-06-19 07:53:09**

**Annual Cost**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Electric | Gas | Other | Total |
| Cost [$] | 2207.45 | 1073.95 | 1671.53 | 4952.93 |
| Cost per Total Building Area [$/m2] | 2.38 | 1.16 | 1.80 | 5.34 |
| Cost per Net Conditioned Building Area [$/m2] | 2.38 | 1.16 | 1.80 | 5.34 |

**Tariff Summary**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Selected | Qualified | Meter | Buy or Sell | Group | Annual Cost ($) |
| WATER TARIFF | Yes | Yes | WATER:FACILITY | Buy | (none) | 1671.53 |
| EXAMPLEA | No | Yes | ELECTRICITYPURCHASED:FACILITY | Buy | (none) | 2325.05 |
| EXAMPLEA-GAS | Yes | Yes | GAS:FACILITY | Buy | (none) | 1073.95 |
| EXAMPLEAWITHVARIABLEMONTHLYCHARGE | No | Yes | ELECTRICITYPURCHASED:FACILITY | Buy | (none) | 2372.93 |
| EXAMPLEB | No | Yes | ELECTRICITYPURCHASED:FACILITY | Buy | (none) | 2631.79 |
| EXAMPLEC | No | Yes | ELECTRICITYPURCHASED:FACILITY | Buy | (none) | 3085.66 |
| EXAMPLED | Yes | Yes | ELECTRICITYPURCHASED:FACILITY | Buy | (none) | 2251.56 |
| EXAMPLEDWITHRATCHET | No | Yes | ELECTRICITYPURCHASED:FACILITY | Buy | (none) | 3572.32 |
| EXAMPLEE | No | Yes | ELECTRICITYPURCHASED:FACILITY | Buy | (none) | 3777.24 |
| EXAMPLEF | No | Yes | ELECTRICITYPURCHASED:FACILITY | Buy | (none) | 3381.68 |
| EXAMPLEFMC | No | Yes | ELECTRICITYPURCHASED:FACILITY | Buy | (none) | 3381.68 |
| EXAMPLEG | No | Yes | ELECTRICITYPURCHASED:FACILITY | Buy | (none) | 3841.07 |
| EXAMPLEH | No | Yes | ELECTRICITYPURCHASED:FACILITY | Buy | (none) | 3381.68 |
| EXAMPLEI-SELL | Yes | Yes | ELECTRICITYSURPLUSSOLD:FACILITY | Sell | (none) | -44.1 |
| EXAMPLEI-NETMETER | No | Yes | ELECTRICITYNET:FACILITY | Net | (none) | 2912.07 |

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Report: **Tariff Report**

For: **WATER TARIFF**

Timestamp: **2019-06-19 07:53:09**

**General**

|  |  |
| --- | --- |
|  | Parameter |
| Meter | WATER:FACILITY |
| Selected | Yes |
| Group | (none) |
| Qualified | Yes |
| Disqualifier | n/a |
| Computation | automatic |
| Units | User Defined |

**Categories**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| EnergyCharges ($) | 141.97 | 128.23 | 141.97 | 137.39 | 141.97 | 137.39 | 141.97 | 141.97 | 137.39 | 141.97 | 137.39 | 141.97 | 1671.53 | 141.97 |
| DemandCharges ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ServiceCharges ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Basis ($) | 141.97 | 128.23 | 141.97 | 137.39 | 141.97 | 137.39 | 141.97 | 141.97 | 137.39 | 141.97 | 137.39 | 141.97 | 1671.53 | 141.97 |
| Adjustment ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Surcharge ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Subtotal ($) | 141.97 | 128.23 | 141.97 | 137.39 | 141.97 | 137.39 | 141.97 | 141.97 | 137.39 | 141.97 | 137.39 | 141.97 | 1671.53 | 141.97 |
| Taxes ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total ($) | 141.97 | 128.23 | 141.97 | 137.39 | 141.97 | 137.39 | 141.97 | 141.97 | 137.39 | 141.97 | 137.39 | 141.97 | 1671.53 | 141.97 |

**Charges**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max | Category |
| WATERTARIFFENERGYCHARGE ($) | 141.97 | 128.23 | 141.97 | 137.39 | 141.97 | 137.39 | 141.97 | 141.97 | 137.39 | 141.97 | 137.39 | 141.97 | 1671.53 | 141.97 | EnergyCharges |

**Corresponding Sources for Charges**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| TotalEnergy | 20.28 | 18.32 | 20.28 | 19.63 | 20.28 | 19.63 | 20.28 | 20.28 | 19.63 | 20.28 | 19.63 | 20.28 | 238.79 | 20.28 |

**Ratchets**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |

**Qualifies**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |

**Native Variables**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| TotalEnergy | 20.28 | 18.32 | 20.28 | 19.63 | 20.28 | 19.63 | 20.28 | 20.28 | 19.63 | 20.28 | 19.63 | 20.28 | 238.79 | 20.28 |
| TotalDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakEnergy | 20.28 | 18.32 | 20.28 | 19.63 | 20.28 | 19.63 | 20.28 | 20.28 | 19.63 | 20.28 | 19.63 | 20.28 | 238.79 | 20.28 |
| PeakDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ShoulderEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ShoulderDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| OffPeakEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| OffPeakDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MidPeakEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MidPeakDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakExceedsOffPeak | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| OffPeakExceedsPeak | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakExceedsMidPeak | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MidPeakExceedsPeak | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakExceedsShoulder | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ShoulderExceedsPeak | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsWinter | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| IsNotWinter | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsSpring | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsNotSpring | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| IsSummer | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsNotSummer | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| IsAutumn | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsNotAutumn | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| PeakAndShoulderEnergy | 20.28 | 18.32 | 20.28 | 19.63 | 20.28 | 19.63 | 20.28 | 20.28 | 19.63 | 20.28 | 19.63 | 20.28 | 238.79 | 20.28 |
| PeakAndShoulderDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakAndMidPeakEnergy | 20.28 | 18.32 | 20.28 | 19.63 | 20.28 | 19.63 | 20.28 | 20.28 | 19.63 | 20.28 | 19.63 | 20.28 | 238.79 | 20.28 |
| PeakAndMidPeakDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ShoulderAndOffPeakEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ShoulderAndOffPeakDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakAndOffPeakEnergy | 20.28 | 18.32 | 20.28 | 19.63 | 20.28 | 19.63 | 20.28 | 20.28 | 19.63 | 20.28 | 19.63 | 20.28 | 238.79 | 20.28 |
| PeakAndOffPeakDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RealTimePriceCosts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AboveCustomerBaseCosts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BelowCustomerBaseCosts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AboveCustomerBaseEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BelowCustomerBaseEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

**Other Variables**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| NotIncluded | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

**Computation - Automatic**  
  
WATERTARIFFENERGYCHARGE FROM TotalEnergy  
EnergyCharges SUM WATERTARIFFENERGYCHARGE  
Basis SUM EnergyCharges DemandCharges ServiceCharges  
Subtotal SUM Basis Adjustment Surcharge  
Total SUM Subtotal Taxes

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Report: **Tariff Report**

For: **EXAMPLEA**

Timestamp: **2019-06-19 07:53:09**

**General**

|  |  |
| --- | --- |
|  | Parameter |
| Meter | ELECTRICITYPURCHASED:FACILITY |
| Selected | No |
| Group | (none) |
| Qualified | Yes |
| Disqualifier | n/a |
| Computation | automatic |
| Units | kWh |

**Categories**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| EnergyCharges ($) | 199.29 | 176.30 | 191.65 | 208.57 | 215.17 | 179.19 | 205.09 | 192.95 | 183.64 | 187.44 | 172.30 | 183.33 | 2294.93 | 215.17 |
| DemandCharges ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ServiceCharges ($) | 2.51 | 2.51 | 2.51 | 2.51 | 2.51 | 2.51 | 2.51 | 2.51 | 2.51 | 2.51 | 2.51 | 2.51 | 30.12 | 2.51 |
| Basis ($) | 201.80 | 178.81 | 194.16 | 211.08 | 217.68 | 181.70 | 207.60 | 195.46 | 186.15 | 189.95 | 174.81 | 185.84 | 2325.05 | 217.68 |
| Adjustment ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Surcharge ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Subtotal ($) | 201.80 | 178.81 | 194.16 | 211.08 | 217.68 | 181.70 | 207.60 | 195.46 | 186.15 | 189.95 | 174.81 | 185.84 | 2325.05 | 217.68 |
| Taxes ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total ($) | 201.80 | 178.81 | 194.16 | 211.08 | 217.68 | 181.70 | 207.60 | 195.46 | 186.15 | 189.95 | 174.81 | 185.84 | 2325.05 | 217.68 |

**Charges**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max | Category |
| FLATENERGYCHARGE ($) | 199.29 | 176.30 | 191.65 | 208.57 | 215.17 | 179.19 | 205.09 | 192.95 | 183.64 | 187.44 | 172.30 | 183.33 | 2294.93 | 215.17 | EnergyCharges |

**Corresponding Sources for Charges**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| TotalEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |

**Ratchets**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |

**Qualifies**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |

**Native Variables**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| TotalEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| TotalDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| PeakEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| PeakDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| ShoulderEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ShoulderDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| OffPeakEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| OffPeakDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MidPeakEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MidPeakDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakExceedsOffPeak | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| OffPeakExceedsPeak | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakExceedsMidPeak | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| MidPeakExceedsPeak | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakExceedsShoulder | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| ShoulderExceedsPeak | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsWinter | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| IsNotWinter | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsSpring | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsNotSpring | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| IsSummer | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsNotSummer | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| IsAutumn | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsNotAutumn | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| PeakAndShoulderEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| PeakAndShoulderDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| PeakAndMidPeakEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| PeakAndMidPeakDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| ShoulderAndOffPeakEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ShoulderAndOffPeakDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakAndOffPeakEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| PeakAndOffPeakDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| RealTimePriceCosts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AboveCustomerBaseCosts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BelowCustomerBaseCosts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AboveCustomerBaseEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BelowCustomerBaseEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

**Other Variables**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| NotIncluded | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

**Computation - Automatic**  
  
FLATENERGYCHARGE FROM TotalEnergy  
EnergyCharges SUM FLATENERGYCHARGE  
Basis SUM EnergyCharges DemandCharges ServiceCharges  
Subtotal SUM Basis Adjustment Surcharge  
Total SUM Subtotal Taxes

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Report: **Tariff Report**

For: **EXAMPLEA-GAS**

Timestamp: **2019-06-19 07:53:09**

**General**

|  |  |
| --- | --- |
|  | Parameter |
| Meter | GAS:FACILITY |
| Selected | Yes |
| Group | (none) |
| Qualified | Yes |
| Disqualifier | n/a |
| Computation | automatic |
| Units | Therm |

**Categories**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| EnergyCharges ($) | 74.32 | 66.75 | 72.85 | 75.04 | 78.33 | 74.65 | 78.68 | 77.96 | 75.58 | 74.06 | 71.71 | 74.02 | 893.95 | 78.68 |
| DemandCharges ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ServiceCharges ($) | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 180.00 | 15.00 |
| Basis ($) | 89.32 | 81.75 | 87.85 | 90.04 | 93.33 | 89.65 | 93.68 | 92.96 | 90.58 | 89.06 | 86.71 | 89.02 | 1073.95 | 93.68 |
| Adjustment ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Surcharge ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Subtotal ($) | 89.32 | 81.75 | 87.85 | 90.04 | 93.33 | 89.65 | 93.68 | 92.96 | 90.58 | 89.06 | 86.71 | 89.02 | 1073.95 | 93.68 |
| Taxes ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total ($) | 89.32 | 81.75 | 87.85 | 90.04 | 93.33 | 89.65 | 93.68 | 92.96 | 90.58 | 89.06 | 86.71 | 89.02 | 1073.95 | 93.68 |

**Charges**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max | Category |
| FLATENERGYCHARGE-GAS ($) | 74.32 | 66.75 | 72.85 | 75.04 | 78.33 | 74.65 | 78.68 | 77.96 | 75.58 | 74.06 | 71.71 | 74.02 | 893.95 | 78.68 | EnergyCharges |

**Corresponding Sources for Charges**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| TotalEnergy | 148.64 | 133.49 | 145.70 | 150.09 | 156.66 | 149.30 | 157.36 | 155.92 | 151.17 | 148.12 | 143.42 | 148.03 | 1787.89 | 157.36 |

**Ratchets**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |

**Qualifies**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |

**Native Variables**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| TotalEnergy | 148.64 | 133.49 | 145.70 | 150.09 | 156.66 | 149.30 | 157.36 | 155.92 | 151.17 | 148.12 | 143.42 | 148.03 | 1787.89 | 157.36 |
| TotalDemand | 1.03 | 1.03 | 0.8383 | 0.9169 | 1.03 | 1.05 | 1.06 | 1.03 | 1.07 | 0.9408 | 0.9492 | 0.9250 | 11.86 | 1.07 |
| PeakEnergy | 148.64 | 133.49 | 145.70 | 150.09 | 156.66 | 149.30 | 157.36 | 155.92 | 151.17 | 148.12 | 143.42 | 148.03 | 1787.89 | 157.36 |
| PeakDemand | 1.03 | 1.03 | 0.8383 | 0.9169 | 1.03 | 1.05 | 1.06 | 1.03 | 1.07 | 0.9408 | 0.9492 | 0.9250 | 11.86 | 1.07 |
| ShoulderEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ShoulderDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| OffPeakEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| OffPeakDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MidPeakEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MidPeakDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakExceedsOffPeak | 1.03 | 1.03 | 0.8383 | 0.9169 | 1.03 | 1.05 | 1.06 | 1.03 | 1.07 | 0.9408 | 0.9492 | 0.9250 | 11.86 | 1.07 |
| OffPeakExceedsPeak | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakExceedsMidPeak | 1.03 | 1.03 | 0.8383 | 0.9169 | 1.03 | 1.05 | 1.06 | 1.03 | 1.07 | 0.9408 | 0.9492 | 0.9250 | 11.86 | 1.07 |
| MidPeakExceedsPeak | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakExceedsShoulder | 1.03 | 1.03 | 0.8383 | 0.9169 | 1.03 | 1.05 | 1.06 | 1.03 | 1.07 | 0.9408 | 0.9492 | 0.9250 | 11.86 | 1.07 |
| ShoulderExceedsPeak | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsWinter | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| IsNotWinter | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsSpring | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsNotSpring | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| IsSummer | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsNotSummer | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| IsAutumn | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsNotAutumn | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| PeakAndShoulderEnergy | 148.64 | 133.49 | 145.70 | 150.09 | 156.66 | 149.30 | 157.36 | 155.92 | 151.17 | 148.12 | 143.42 | 148.03 | 1787.89 | 157.36 |
| PeakAndShoulderDemand | 1.03 | 1.03 | 0.8383 | 0.9169 | 1.03 | 1.05 | 1.06 | 1.03 | 1.07 | 0.9408 | 0.9492 | 0.9250 | 11.86 | 1.07 |
| PeakAndMidPeakEnergy | 148.64 | 133.49 | 145.70 | 150.09 | 156.66 | 149.30 | 157.36 | 155.92 | 151.17 | 148.12 | 143.42 | 148.03 | 1787.89 | 157.36 |
| PeakAndMidPeakDemand | 1.03 | 1.03 | 0.8383 | 0.9169 | 1.03 | 1.05 | 1.06 | 1.03 | 1.07 | 0.9408 | 0.9492 | 0.9250 | 11.86 | 1.07 |
| ShoulderAndOffPeakEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ShoulderAndOffPeakDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakAndOffPeakEnergy | 148.64 | 133.49 | 145.70 | 150.09 | 156.66 | 149.30 | 157.36 | 155.92 | 151.17 | 148.12 | 143.42 | 148.03 | 1787.89 | 157.36 |
| PeakAndOffPeakDemand | 1.03 | 1.03 | 0.8383 | 0.9169 | 1.03 | 1.05 | 1.06 | 1.03 | 1.07 | 0.9408 | 0.9492 | 0.9250 | 11.86 | 1.07 |
| RealTimePriceCosts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AboveCustomerBaseCosts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BelowCustomerBaseCosts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AboveCustomerBaseEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BelowCustomerBaseEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

**Other Variables**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| NotIncluded | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

**Computation - Automatic**  
  
FLATENERGYCHARGE-GAS FROM TotalEnergy  
EnergyCharges SUM FLATENERGYCHARGE-GAS  
Basis SUM EnergyCharges DemandCharges ServiceCharges  
Subtotal SUM Basis Adjustment Surcharge  
Total SUM Subtotal Taxes

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Report: **Tariff Report**

For: **EXAMPLEAWITHVARIABLEMONTHLYCHARGE**

Timestamp: **2019-06-19 07:53:09**

**General**

|  |  |
| --- | --- |
|  | Parameter |
| Meter | ELECTRICITYPURCHASED:FACILITY |
| Selected | No |
| Group | (none) |
| Qualified | Yes |
| Disqualifier | n/a |
| Computation | automatic |
| Units | kWh |

**Categories**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| EnergyCharges ($) | 199.29 | 176.30 | 191.65 | 208.57 | 215.17 | 179.19 | 205.09 | 192.95 | 183.64 | 187.44 | 172.30 | 183.33 | 2294.93 | 215.17 |
| DemandCharges ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ServiceCharges ($) | 1.00 | 2.00 | 3.00 | 4.00 | 5.00 | 6.00 | 7.00 | 8.00 | 9.00 | 10.00 | 11.00 | 12.00 | 78.00 | 12.00 |
| Basis ($) | 200.29 | 178.30 | 194.65 | 212.57 | 220.17 | 185.19 | 212.09 | 200.95 | 192.64 | 197.44 | 183.30 | 195.33 | 2372.93 | 220.17 |
| Adjustment ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Surcharge ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Subtotal ($) | 200.29 | 178.30 | 194.65 | 212.57 | 220.17 | 185.19 | 212.09 | 200.95 | 192.64 | 197.44 | 183.30 | 195.33 | 2372.93 | 220.17 |
| Taxes ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total ($) | 200.29 | 178.30 | 194.65 | 212.57 | 220.17 | 185.19 | 212.09 | 200.95 | 192.64 | 197.44 | 183.30 | 195.33 | 2372.93 | 220.17 |

**Charges**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max | Category |
| FLATENERGYCHARGE ($) | 199.29 | 176.30 | 191.65 | 208.57 | 215.17 | 179.19 | 205.09 | 192.95 | 183.64 | 187.44 | 172.30 | 183.33 | 2294.93 | 215.17 | EnergyCharges |

**Corresponding Sources for Charges**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| TotalEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |

**Ratchets**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |

**Qualifies**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |

**Native Variables**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| TotalEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| TotalDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| PeakEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| PeakDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| ShoulderEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ShoulderDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| OffPeakEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| OffPeakDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MidPeakEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MidPeakDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakExceedsOffPeak | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| OffPeakExceedsPeak | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakExceedsMidPeak | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| MidPeakExceedsPeak | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakExceedsShoulder | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| ShoulderExceedsPeak | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsWinter | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| IsNotWinter | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsSpring | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsNotSpring | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| IsSummer | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsNotSummer | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| IsAutumn | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsNotAutumn | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| PeakAndShoulderEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| PeakAndShoulderDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| PeakAndMidPeakEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| PeakAndMidPeakDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| ShoulderAndOffPeakEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ShoulderAndOffPeakDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakAndOffPeakEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| PeakAndOffPeakDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| RealTimePriceCosts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AboveCustomerBaseCosts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BelowCustomerBaseCosts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AboveCustomerBaseEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BelowCustomerBaseEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

**Other Variables**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| VARIABLEFIXEDCHARGE | 1.00 | 2.00 | 3.00 | 4.00 | 5.00 | 6.00 | 7.00 | 8.00 | 9.00 | 10.00 | 11.00 | 12.00 | 78.00 | 12.00 |
| NotIncluded | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

**Computation - Automatic**  
  
FLATENERGYCHARGE FROM TotalEnergy  
EnergyCharges SUM FLATENERGYCHARGE  
Basis SUM EnergyCharges DemandCharges ServiceCharges  
Subtotal SUM Basis Adjustment Surcharge  
Total SUM Subtotal Taxes

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Report: **Tariff Report**

For: **EXAMPLEB**

Timestamp: **2019-06-19 07:53:09**

**General**

|  |  |
| --- | --- |
|  | Parameter |
| Meter | ELECTRICITYPURCHASED:FACILITY |
| Selected | No |
| Group | (none) |
| Qualified | Yes |
| Disqualifier | n/a |
| Computation | automatic |
| Units | kWh |

**Categories**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| EnergyCharges ($) | 222.11 | 197.70 | 214.00 | 231.96 | 238.97 | 200.76 | 228.27 | 215.38 | 205.50 | 209.53 | 193.45 | 205.16 | 2562.79 | 238.97 |
| DemandCharges ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ServiceCharges ($) | 5.75 | 5.75 | 5.75 | 5.75 | 5.75 | 5.75 | 5.75 | 5.75 | 5.75 | 5.75 | 5.75 | 5.75 | 69.00 | 5.75 |
| Basis ($) | 227.86 | 203.45 | 219.75 | 237.71 | 244.72 | 206.51 | 234.02 | 221.13 | 211.25 | 215.28 | 199.20 | 210.91 | 2631.79 | 244.72 |
| Adjustment ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Surcharge ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Subtotal ($) | 227.86 | 203.45 | 219.75 | 237.71 | 244.72 | 206.51 | 234.02 | 221.13 | 211.25 | 215.28 | 199.20 | 210.91 | 2631.79 | 244.72 |
| Taxes ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total ($) | 227.86 | 203.45 | 219.75 | 237.71 | 244.72 | 206.51 | 234.02 | 221.13 | 211.25 | 215.28 | 199.20 | 210.91 | 2631.79 | 244.72 |

**Charges**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max | Category |
| BLOCKENERGYCHARGE ($) | 222.11 | 197.70 | 214.00 | 231.96 | 238.97 | 200.76 | 228.27 | 215.38 | 205.50 | 209.53 | 193.45 | 205.16 | 2562.79 | 238.97 | EnergyCharges |

**Corresponding Sources for Charges**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| TotalEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |

**Ratchets**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |

**Qualifies**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |

**Native Variables**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| TotalEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| TotalDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| PeakEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| PeakDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| ShoulderEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ShoulderDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| OffPeakEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| OffPeakDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MidPeakEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MidPeakDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakExceedsOffPeak | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| OffPeakExceedsPeak | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakExceedsMidPeak | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| MidPeakExceedsPeak | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakExceedsShoulder | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| ShoulderExceedsPeak | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsWinter | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| IsNotWinter | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsSpring | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsNotSpring | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| IsSummer | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsNotSummer | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| IsAutumn | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsNotAutumn | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| PeakAndShoulderEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| PeakAndShoulderDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| PeakAndMidPeakEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| PeakAndMidPeakDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| ShoulderAndOffPeakEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ShoulderAndOffPeakDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakAndOffPeakEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| PeakAndOffPeakDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| RealTimePriceCosts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AboveCustomerBaseCosts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BelowCustomerBaseCosts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AboveCustomerBaseEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BelowCustomerBaseEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

**Other Variables**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| NotIncluded | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

**Computation - Automatic**  
  
BLOCKENERGYCHARGE FROM TotalEnergy  
EnergyCharges SUM BLOCKENERGYCHARGE  
Basis SUM EnergyCharges DemandCharges ServiceCharges  
Subtotal SUM Basis Adjustment Surcharge  
Total SUM Subtotal Taxes

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Report: **Tariff Report**

For: **EXAMPLEC**

Timestamp: **2019-06-19 07:53:09**

**General**

|  |  |
| --- | --- |
|  | Parameter |
| Meter | ELECTRICITYPURCHASED:FACILITY |
| Selected | No |
| Group | (none) |
| Qualified | Yes |
| Disqualifier | n/a |
| Computation | automatic |
| Units | kWh |

**Categories**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| EnergyCharges ($) | 170.69 | 151.00 | 164.15 | 178.64 | 184.29 | 153.47 | 175.66 | 165.26 | 157.29 | 160.54 | 147.57 | 157.02 | 1965.59 | 184.29 |
| DemandCharges ($) | 90.43 | 97.71 | 101.30 | 99.42 | 96.57 | 94.59 | 92.17 | 92.00 | 92.26 | 87.44 | 87.71 | 88.48 | 1120.07 | 101.30 |
| ServiceCharges ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Basis ($) | 261.12 | 248.71 | 265.45 | 278.06 | 280.86 | 248.06 | 267.83 | 257.26 | 249.55 | 247.98 | 235.28 | 245.50 | 3085.66 | 280.86 |
| Adjustment ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Surcharge ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Subtotal ($) | 261.12 | 248.71 | 265.45 | 278.06 | 280.86 | 248.06 | 267.83 | 257.26 | 249.55 | 247.98 | 235.28 | 245.50 | 3085.66 | 280.86 |
| Taxes ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total ($) | 261.12 | 248.71 | 265.45 | 278.06 | 280.86 | 248.06 | 267.83 | 257.26 | 249.55 | 247.98 | 235.28 | 245.50 | 3085.66 | 280.86 |

**Charges**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max | Category |
| BLOCKENERGYCHARGE ($) | 170.69 | 151.00 | 164.15 | 178.64 | 184.29 | 153.47 | 175.66 | 165.26 | 157.29 | 160.54 | 147.57 | 157.02 | 1965.59 | 184.29 | EnergyCharges |
| BLOCKDEMANDCHARGE ($) | 90.43 | 97.71 | 101.30 | 99.42 | 96.57 | 94.59 | 92.17 | 92.00 | 92.26 | 87.44 | 87.71 | 88.48 | 1120.07 | 101.30 | DemandCharges |

**Corresponding Sources for Charges**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| TotalEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| TotalDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |

**Ratchets**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |

**Qualifies**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |

**Native Variables**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| TotalEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| TotalDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| PeakEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| PeakDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| ShoulderEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ShoulderDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| OffPeakEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| OffPeakDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MidPeakEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MidPeakDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakExceedsOffPeak | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| OffPeakExceedsPeak | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakExceedsMidPeak | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| MidPeakExceedsPeak | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakExceedsShoulder | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| ShoulderExceedsPeak | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsWinter | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| IsNotWinter | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsSpring | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsNotSpring | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| IsSummer | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsNotSummer | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| IsAutumn | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsNotAutumn | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| PeakAndShoulderEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| PeakAndShoulderDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| PeakAndMidPeakEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| PeakAndMidPeakDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| ShoulderAndOffPeakEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ShoulderAndOffPeakDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakAndOffPeakEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| PeakAndOffPeakDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| RealTimePriceCosts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AboveCustomerBaseCosts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BelowCustomerBaseCosts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AboveCustomerBaseEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BelowCustomerBaseEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

**Other Variables**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| NotIncluded | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

**Computation - Automatic**  
  
BLOCKENERGYCHARGE FROM TotalEnergy  
BLOCKDEMANDCHARGE FROM TotalDemand  
EnergyCharges SUM BLOCKENERGYCHARGE  
DemandCharges SUM BLOCKDEMANDCHARGE  
Basis SUM EnergyCharges DemandCharges ServiceCharges  
Subtotal SUM Basis Adjustment Surcharge  
Total SUM Subtotal Taxes

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Report: **Tariff Report**

For: **EXAMPLED**

Timestamp: **2019-06-19 07:53:09**

**General**

|  |  |
| --- | --- |
|  | Parameter |
| Meter | ELECTRICITYPURCHASED:FACILITY |
| Selected | Yes |
| Group | (none) |
| Qualified | Yes |
| Disqualifier | n/a |
| Computation | automatic |
| Units | kWh |

**Categories**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| EnergyCharges ($) | 138.02 | 122.63 | 132.90 | 144.23 | 148.65 | 240.01 | 273.26 | 257.68 | 245.73 | 130.09 | 119.95 | 127.33 | 2080.48 | 273.26 |
| DemandCharges ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ServiceCharges ($) | 7.00 | 7.00 | 7.00 | 7.00 | 7.00 | 7.00 | 7.00 | 7.00 | 7.00 | 7.00 | 7.00 | 7.00 | 84.00 | 7.00 |
| Basis ($) | 145.02 | 129.63 | 139.90 | 151.23 | 155.65 | 247.01 | 280.26 | 264.68 | 252.73 | 137.09 | 126.95 | 134.33 | 2164.48 | 280.26 |
| Adjustment ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Surcharge ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Subtotal ($) | 145.02 | 129.63 | 139.90 | 151.23 | 155.65 | 247.01 | 280.26 | 264.68 | 252.73 | 137.09 | 126.95 | 134.33 | 2164.48 | 280.26 |
| Taxes ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total ($) | 150.00 | 150.00 | 150.00 | 151.23 | 155.65 | 247.01 | 280.26 | 264.68 | 252.73 | 150.00 | 150.00 | 150.00 | 2251.56 | 280.26 |

**Charges**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max | Category |
| WINTERENERGYCOST ($) | 138.02 | 122.63 | 132.90 | 144.23 | 148.65 | 0.00 | 0.00 | 0.00 | 0.00 | 130.09 | 119.95 | 127.33 | 1063.80 | 148.65 | EnergyCharges |
| SUMMERENERGYCOST ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 240.01 | 273.26 | 257.68 | 245.73 | 0.00 | 0.00 | 0.00 | 1016.68 | 273.26 | EnergyCharges |

**Corresponding Sources for Charges**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| TotalEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |

**Ratchets**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |

**Qualifies**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |

**Native Variables**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| TotalEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| TotalDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| PeakEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| PeakDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| ShoulderEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ShoulderDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| OffPeakEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| OffPeakDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MidPeakEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MidPeakDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakExceedsOffPeak | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| OffPeakExceedsPeak | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakExceedsMidPeak | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| MidPeakExceedsPeak | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakExceedsShoulder | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| ShoulderExceedsPeak | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsWinter | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 1.00 | 1.00 | 8.00 | 1.00 |
| IsNotWinter | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.00 | 0.00 | 0.00 | 4.00 | 1.00 |
| IsSpring | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsNotSpring | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| IsSummer | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.00 | 0.00 | 0.00 | 4.00 | 1.00 |
| IsNotSummer | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 1.00 | 1.00 | 8.00 | 1.00 |
| IsAutumn | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsNotAutumn | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| PeakAndShoulderEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| PeakAndShoulderDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| PeakAndMidPeakEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| PeakAndMidPeakDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| ShoulderAndOffPeakEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ShoulderAndOffPeakDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakAndOffPeakEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| PeakAndOffPeakDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| RealTimePriceCosts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AboveCustomerBaseCosts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BelowCustomerBaseCosts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AboveCustomerBaseEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BelowCustomerBaseEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

**Other Variables**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| NotIncluded | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

**Computation - Automatic**  
  
WINTERENERGYCOST FROM TotalEnergy  
SUMMERENERGYCOST FROM TotalEnergy  
EnergyCharges SUM WINTERENERGYCOST SUMMERENERGYCOST  
Basis SUM EnergyCharges DemandCharges ServiceCharges  
Subtotal SUM Basis Adjustment Surcharge  
Total SUM Subtotal Taxes

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Report: **Tariff Report**

For: **EXAMPLEDWITHRATCHET**

Timestamp: **2019-06-19 07:53:09**

**General**

|  |  |
| --- | --- |
|  | Parameter |
| Meter | ELECTRICITYPURCHASED:FACILITY |
| Selected | No |
| Group | (none) |
| Qualified | Yes |
| Disqualifier | n/a |
| Computation | automatic |
| Units | kWh |

**Categories**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| EnergyCharges ($) | 138.02 | 122.63 | 132.90 | 144.23 | 148.65 | 240.01 | 273.26 | 257.68 | 245.73 | 130.09 | 119.95 | 127.33 | 2080.48 | 273.26 |
| DemandCharges ($) | 94.04 | 100.81 | 104.15 | 102.40 | 99.75 | 160.65 | 157.06 | 156.80 | 157.19 | 91.26 | 91.51 | 92.23 | 1407.84 | 160.65 |
| ServiceCharges ($) | 7.00 | 7.00 | 7.00 | 7.00 | 7.00 | 7.00 | 7.00 | 7.00 | 7.00 | 7.00 | 7.00 | 7.00 | 84.00 | 7.00 |
| Basis ($) | 239.06 | 230.44 | 244.05 | 253.62 | 255.39 | 407.67 | 437.32 | 421.48 | 409.92 | 228.35 | 218.47 | 226.56 | 3572.32 | 437.32 |
| Adjustment ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Surcharge ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Subtotal ($) | 239.06 | 230.44 | 244.05 | 253.62 | 255.39 | 407.67 | 437.32 | 421.48 | 409.92 | 228.35 | 218.47 | 226.56 | 3572.32 | 437.32 |
| Taxes ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total ($) | 239.06 | 230.44 | 244.05 | 253.62 | 255.39 | 407.67 | 437.32 | 421.48 | 409.92 | 228.35 | 218.47 | 226.56 | 3572.32 | 437.32 |

**Charges**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max | Category |
| WINTERENERGYCOST ($) | 138.02 | 122.63 | 132.90 | 144.23 | 148.65 | 0.00 | 0.00 | 0.00 | 0.00 | 130.09 | 119.95 | 127.33 | 1063.80 | 148.65 | EnergyCharges |
| SUMMERENERGYCOST ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 240.01 | 273.26 | 257.68 | 245.73 | 0.00 | 0.00 | 0.00 | 1016.68 | 273.26 | EnergyCharges |
| WINTERDEMANDCOST ($) | 94.04 | 100.81 | 104.15 | 102.40 | 99.75 | 0.00 | 0.00 | 0.00 | 0.00 | 91.26 | 91.51 | 92.23 | 776.15 | 104.15 | DemandCharges |
| SUMMERDEMANDCOST ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 160.65 | 157.06 | 156.80 | 157.19 | 0.00 | 0.00 | 0.00 | 631.70 | 160.65 | DemandCharges |

**Corresponding Sources for Charges**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| TotalEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| BILLINGDEMAND1 | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |

**Ratchets**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| BILLINGDEMAND1 | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |

**Qualifies**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |

**Native Variables**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| TotalEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| TotalDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| PeakEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| PeakDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| ShoulderEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ShoulderDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| OffPeakEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| OffPeakDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MidPeakEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MidPeakDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakExceedsOffPeak | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| OffPeakExceedsPeak | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakExceedsMidPeak | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| MidPeakExceedsPeak | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakExceedsShoulder | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| ShoulderExceedsPeak | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsWinter | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 1.00 | 1.00 | 8.00 | 1.00 |
| IsNotWinter | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.00 | 0.00 | 0.00 | 4.00 | 1.00 |
| IsSpring | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsNotSpring | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| IsSummer | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.00 | 0.00 | 0.00 | 4.00 | 1.00 |
| IsNotSummer | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 1.00 | 1.00 | 8.00 | 1.00 |
| IsAutumn | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsNotAutumn | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| PeakAndShoulderEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| PeakAndShoulderDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| PeakAndMidPeakEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| PeakAndMidPeakDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| ShoulderAndOffPeakEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ShoulderAndOffPeakDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakAndOffPeakEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| PeakAndOffPeakDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| RealTimePriceCosts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AboveCustomerBaseCosts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BelowCustomerBaseCosts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AboveCustomerBaseEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BelowCustomerBaseEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

**Other Variables**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| NotIncluded | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

**Computation - Automatic**  
  
WINTERENERGYCOST FROM TotalEnergy  
SUMMERENERGYCOST FROM TotalEnergy  
BILLINGDEMAND1 FROM TotalDemand TotalDemand  
SUMMERDEMANDCOST FROM BILLINGDEMAND1  
EnergyCharges SUM WINTERENERGYCOST SUMMERENERGYCOST  
WINTERDEMANDCOST FROM BILLINGDEMAND1  
DemandCharges SUM WINTERDEMANDCOST SUMMERDEMANDCOST  
Basis SUM EnergyCharges DemandCharges ServiceCharges  
Subtotal SUM Basis Adjustment Surcharge  
Total SUM Subtotal Taxes

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Report: **Tariff Report**

For: **EXAMPLEE**

Timestamp: **2019-06-19 07:53:09**

**General**

|  |  |
| --- | --- |
|  | Parameter |
| Meter | ELECTRICITYPURCHASED:FACILITY |
| Selected | No |
| Group | (none) |
| Qualified | Yes |
| Disqualifier | n/a |
| Computation | automatic |
| Units | kWh |

**Categories**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| EnergyCharges ($) | 310.66 | 278.94 | 303.22 | 328.58 | 334.64 | 283.50 | 319.06 | 303.99 | 290.55 | 293.91 | 272.60 | 289.60 | 3609.24 | 334.64 |
| DemandCharges ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ServiceCharges ($) | 14.00 | 14.00 | 14.00 | 14.00 | 14.00 | 14.00 | 14.00 | 14.00 | 14.00 | 14.00 | 14.00 | 14.00 | 168.00 | 14.00 |
| Basis ($) | 324.66 | 292.94 | 317.22 | 342.58 | 348.64 | 297.50 | 333.06 | 317.99 | 304.55 | 307.91 | 286.60 | 303.60 | 3777.24 | 348.64 |
| Adjustment ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Surcharge ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Subtotal ($) | 324.66 | 292.94 | 317.22 | 342.58 | 348.64 | 297.50 | 333.06 | 317.99 | 304.55 | 307.91 | 286.60 | 303.60 | 3777.24 | 348.64 |
| Taxes ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total ($) | 324.66 | 292.94 | 317.22 | 342.58 | 348.64 | 297.50 | 333.06 | 317.99 | 304.55 | 307.91 | 286.60 | 303.60 | 3777.24 | 348.64 |

**Charges**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max | Category |
| BLOCKENERGYCHARGE ($) | 310.66 | 278.94 | 303.22 | 328.58 | 334.64 | 283.50 | 319.06 | 303.99 | 290.55 | 293.91 | 272.60 | 289.60 | 3609.24 | 334.64 | EnergyCharges |

**Corresponding Sources for Charges**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| TotalEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |

**Ratchets**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |

**Qualifies**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |

**Native Variables**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| TotalEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| TotalDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| PeakEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| PeakDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| ShoulderEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ShoulderDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| OffPeakEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| OffPeakDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MidPeakEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MidPeakDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakExceedsOffPeak | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| OffPeakExceedsPeak | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakExceedsMidPeak | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| MidPeakExceedsPeak | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakExceedsShoulder | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| ShoulderExceedsPeak | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsWinter | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| IsNotWinter | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsSpring | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsNotSpring | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| IsSummer | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsNotSummer | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| IsAutumn | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsNotAutumn | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| PeakAndShoulderEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| PeakAndShoulderDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| PeakAndMidPeakEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| PeakAndMidPeakDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| ShoulderAndOffPeakEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ShoulderAndOffPeakDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakAndOffPeakEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| PeakAndOffPeakDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| RealTimePriceCosts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AboveCustomerBaseCosts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BelowCustomerBaseCosts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AboveCustomerBaseEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BelowCustomerBaseEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

**Other Variables**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| NotIncluded | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

**Computation - Automatic**  
  
BLOCKENERGYCHARGE FROM TotalEnergy TotalDemand  
EnergyCharges SUM BLOCKENERGYCHARGE  
Basis SUM EnergyCharges DemandCharges ServiceCharges  
Subtotal SUM Basis Adjustment Surcharge  
Total SUM Subtotal Taxes

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Report: **Tariff Report**

For: **EXAMPLEF**

Timestamp: **2019-06-19 07:53:09**

**General**

|  |  |
| --- | --- |
|  | Parameter |
| Meter | ELECTRICITYPURCHASED:FACILITY |
| Selected | No |
| Group | (none) |
| Qualified | Yes |
| Disqualifier | n/a |
| Computation | automatic |
| Units | kWh |

**Categories**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| EnergyCharges ($) | 160.76 | 141.85 | 152.86 | 167.33 | 171.66 | 398.68 | 456.10 | 429.99 | 409.53 | 151.83 | 139.54 | 148.55 | 2928.68 | 456.10 |
| DemandCharges ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ServiceCharges ($) | 37.75 | 37.75 | 37.75 | 37.75 | 37.75 | 37.75 | 37.75 | 37.75 | 37.75 | 37.75 | 37.75 | 37.75 | 453.00 | 37.75 |
| Basis ($) | 198.51 | 179.60 | 190.61 | 205.08 | 209.41 | 436.43 | 493.85 | 467.74 | 447.28 | 189.58 | 177.29 | 186.30 | 3381.68 | 493.85 |
| Adjustment ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Surcharge ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Subtotal ($) | 198.51 | 179.60 | 190.61 | 205.08 | 209.41 | 436.43 | 493.85 | 467.74 | 447.28 | 189.58 | 177.29 | 186.30 | 3381.68 | 493.85 |
| Taxes ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total ($) | 198.51 | 179.60 | 190.61 | 205.08 | 209.41 | 436.43 | 493.85 | 467.74 | 447.28 | 189.58 | 177.29 | 186.30 | 3381.68 | 493.85 |

**Charges**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max | Category |
| SUMMERONPEAK ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 353.65 | 404.38 | 382.07 | 364.14 | 0.00 | 0.00 | 0.00 | 1504.25 | 404.38 | EnergyCharges |
| SUMMEROFFPEAK ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 45.03 | 51.72 | 47.92 | 45.38 | 0.00 | 0.00 | 0.00 | 190.05 | 51.72 | EnergyCharges |
| WINTERONPEAK ($) | 103.83 | 91.34 | 97.41 | 107.37 | 109.42 | 0.00 | 0.00 | 0.00 | 0.00 | 98.54 | 90.55 | 96.46 | 794.92 | 109.42 | EnergyCharges |
| WINTEROFFPEAK ($) | 56.93 | 50.51 | 55.46 | 59.95 | 62.25 | 0.00 | 0.00 | 0.00 | 0.00 | 53.28 | 48.99 | 52.09 | 439.46 | 62.25 | EnergyCharges |

**Corresponding Sources for Charges**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| PeakEnergy | 1248.72 | 1098.55 | 1171.48 | 1291.31 | 1315.90 | 2524.45 | 2886.57 | 2727.34 | 2599.35 | 1185.12 | 1089.02 | 1160.03 | 20297.85 | 2886.57 |
| OffPeakEnergy | 2352.40 | 2087.09 | 2291.54 | 2477.46 | 2572.12 | 713.36 | 819.33 | 759.20 | 718.99 | 2201.85 | 2024.31 | 2152.62 | 21170.27 | 2572.12 |

**Ratchets**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |

**Qualifies**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| MINDEMAND | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |

**Native Variables**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| TotalEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| TotalDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| PeakEnergy | 1248.72 | 1098.55 | 1171.48 | 1291.31 | 1315.90 | 2524.45 | 2886.57 | 2727.34 | 2599.35 | 1185.12 | 1089.02 | 1160.03 | 20297.85 | 2886.57 |
| PeakDemand | 15.96 | 18.16 | 17.47 | 17.97 | 17.41 | 17.58 | 17.13 | 17.10 | 17.15 | 15.66 | 15.67 | 16.04 | 203.30 | 18.16 |
| ShoulderEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ShoulderDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| OffPeakEnergy | 2352.40 | 2087.09 | 2291.54 | 2477.46 | 2572.12 | 713.36 | 819.33 | 759.20 | 718.99 | 2201.85 | 2024.31 | 2152.62 | 21170.27 | 2572.12 |
| OffPeakDemand | 16.81 | 18.15 | 18.83 | 18.48 | 17.95 | 16.66 | 15.84 | 16.01 | 16.23 | 16.25 | 16.30 | 16.45 | 203.96 | 18.83 |
| MidPeakEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MidPeakDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakExceedsOffPeak | 0.00 | 0.0128 | 0.00 | 0.00 | 0.00 | 0.9175 | 1.29 | 1.09 | 0.9148 | 0.00 | 0.00 | 0.00 | 4.23 | 1.29 |
| OffPeakExceedsPeak | 0.8529 | 0.00 | 1.36 | 0.5063 | 0.5414 | 0.00 | 0.00 | 0.00 | 0.00 | 0.5962 | 0.6283 | 0.4098 | 4.89 | 1.36 |
| PeakExceedsMidPeak | 15.96 | 18.16 | 17.47 | 17.97 | 17.41 | 17.58 | 17.13 | 17.10 | 17.15 | 15.66 | 15.67 | 16.04 | 203.30 | 18.16 |
| MidPeakExceedsPeak | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakExceedsShoulder | 15.96 | 18.16 | 17.47 | 17.97 | 17.41 | 17.58 | 17.13 | 17.10 | 17.15 | 15.66 | 15.67 | 16.04 | 203.30 | 18.16 |
| ShoulderExceedsPeak | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsWinter | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 1.00 | 1.00 | 8.00 | 1.00 |
| IsNotWinter | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.00 | 0.00 | 0.00 | 4.00 | 1.00 |
| IsSpring | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsNotSpring | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| IsSummer | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.00 | 0.00 | 0.00 | 4.00 | 1.00 |
| IsNotSummer | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 1.00 | 1.00 | 8.00 | 1.00 |
| IsAutumn | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsNotAutumn | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| PeakAndShoulderEnergy | 1248.72 | 1098.55 | 1171.48 | 1291.31 | 1315.90 | 2524.45 | 2886.57 | 2727.34 | 2599.35 | 1185.12 | 1089.02 | 1160.03 | 20297.85 | 2886.57 |
| PeakAndShoulderDemand | 15.96 | 18.16 | 17.47 | 17.97 | 17.41 | 17.58 | 17.13 | 17.10 | 17.15 | 15.66 | 15.67 | 16.04 | 203.30 | 18.16 |
| PeakAndMidPeakEnergy | 1248.72 | 1098.55 | 1171.48 | 1291.31 | 1315.90 | 2524.45 | 2886.57 | 2727.34 | 2599.35 | 1185.12 | 1089.02 | 1160.03 | 20297.85 | 2886.57 |
| PeakAndMidPeakDemand | 15.96 | 18.16 | 17.47 | 17.97 | 17.41 | 17.58 | 17.13 | 17.10 | 17.15 | 15.66 | 15.67 | 16.04 | 203.30 | 18.16 |
| ShoulderAndOffPeakEnergy | 2352.40 | 2087.09 | 2291.54 | 2477.46 | 2572.12 | 713.36 | 819.33 | 759.20 | 718.99 | 2201.85 | 2024.31 | 2152.62 | 21170.27 | 2572.12 |
| ShoulderAndOffPeakDemand | 16.81 | 18.15 | 18.83 | 18.48 | 17.95 | 16.66 | 15.84 | 16.01 | 16.23 | 16.25 | 16.30 | 16.45 | 203.96 | 18.83 |
| PeakAndOffPeakEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| PeakAndOffPeakDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| RealTimePriceCosts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AboveCustomerBaseCosts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BelowCustomerBaseCosts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AboveCustomerBaseEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BelowCustomerBaseEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

**Other Variables**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| NotIncluded | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

**Computation - Automatic**  
  
MINDEMAND FROM TotalDemand  
SUMMERONPEAK FROM PeakEnergy  
SUMMEROFFPEAK FROM OffPeakEnergy  
WINTERONPEAK FROM PeakEnergy  
WINTEROFFPEAK FROM OffPeakEnergy  
EnergyCharges SUM SUMMERONPEAK SUMMEROFFPEAK WINTERONPEAK WINTEROFFPEAK  
Basis SUM EnergyCharges DemandCharges ServiceCharges  
Subtotal SUM Basis Adjustment Surcharge  
Total SUM Subtotal Taxes

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Report: **Tariff Report**

For: **EXAMPLEFMC**

Timestamp: **2019-06-19 07:53:09**

**General**

|  |  |
| --- | --- |
|  | Parameter |
| Meter | ELECTRICITYPURCHASED:FACILITY |
| Selected | No |
| Group | (none) |
| Qualified | Yes |
| Disqualifier | n/a |
| Computation | MANUALEXAMPLE |
| Units | kWh |

**Categories**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| EnergyCharges ($) | 160.76 | 141.85 | 152.86 | 167.33 | 171.66 | 398.68 | 456.10 | 429.99 | 409.53 | 151.83 | 139.54 | 148.55 | 2928.68 | 456.10 |
| DemandCharges ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ServiceCharges ($) | 37.75 | 37.75 | 37.75 | 37.75 | 37.75 | 37.75 | 37.75 | 37.75 | 37.75 | 37.75 | 37.75 | 37.75 | 453.00 | 37.75 |
| Basis ($) | 198.51 | 179.60 | 190.61 | 205.08 | 209.41 | 436.43 | 493.85 | 467.74 | 447.28 | 189.58 | 177.29 | 186.30 | 3381.68 | 493.85 |
| Adjustment ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Surcharge ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Subtotal ($) | 198.51 | 179.60 | 190.61 | 205.08 | 209.41 | 436.43 | 493.85 | 467.74 | 447.28 | 189.58 | 177.29 | 186.30 | 3381.68 | 493.85 |
| Taxes ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total ($) | 198.51 | 179.60 | 190.61 | 205.08 | 209.41 | 436.43 | 493.85 | 467.74 | 447.28 | 189.58 | 177.29 | 186.30 | 3381.68 | 493.85 |

**Charges**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max | Category |
| SUMMERONPEAK ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 353.65 | 404.38 | 382.07 | 364.14 | 0.00 | 0.00 | 0.00 | 1504.25 | 404.38 | EnergyCharges |
| SUMMEROFFPEAK ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 45.03 | 51.72 | 47.92 | 45.38 | 0.00 | 0.00 | 0.00 | 190.05 | 51.72 | EnergyCharges |
| WINTERONPEAK ($) | 103.83 | 91.34 | 97.41 | 107.37 | 109.42 | 0.00 | 0.00 | 0.00 | 0.00 | 98.54 | 90.55 | 96.46 | 794.92 | 109.42 | EnergyCharges |
| WINTEROFFPEAK ($) | 56.93 | 50.51 | 55.46 | 59.95 | 62.25 | 0.00 | 0.00 | 0.00 | 0.00 | 53.28 | 48.99 | 52.09 | 439.46 | 62.25 | EnergyCharges |

**Corresponding Sources for Charges**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| PeakEnergy | 1248.72 | 1098.55 | 1171.48 | 1291.31 | 1315.90 | 2524.45 | 2886.57 | 2727.34 | 2599.35 | 1185.12 | 1089.02 | 1160.03 | 20297.85 | 2886.57 |
| OffPeakEnergy | 2352.40 | 2087.09 | 2291.54 | 2477.46 | 2572.12 | 713.36 | 819.33 | 759.20 | 718.99 | 2201.85 | 2024.31 | 2152.62 | 21170.27 | 2572.12 |

**Ratchets**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |

**Qualifies**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| MINDEMAND | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

**Native Variables**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| TotalEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| TotalDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| PeakEnergy | 1248.72 | 1098.55 | 1171.48 | 1291.31 | 1315.90 | 2524.45 | 2886.57 | 2727.34 | 2599.35 | 1185.12 | 1089.02 | 1160.03 | 20297.85 | 2886.57 |
| PeakDemand | 15.96 | 18.16 | 17.47 | 17.97 | 17.41 | 17.58 | 17.13 | 17.10 | 17.15 | 15.66 | 15.67 | 16.04 | 203.30 | 18.16 |
| ShoulderEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ShoulderDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| OffPeakEnergy | 2352.40 | 2087.09 | 2291.54 | 2477.46 | 2572.12 | 713.36 | 819.33 | 759.20 | 718.99 | 2201.85 | 2024.31 | 2152.62 | 21170.27 | 2572.12 |
| OffPeakDemand | 16.81 | 18.15 | 18.83 | 18.48 | 17.95 | 16.66 | 15.84 | 16.01 | 16.23 | 16.25 | 16.30 | 16.45 | 203.96 | 18.83 |
| MidPeakEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MidPeakDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakExceedsOffPeak | 0.00 | 0.0128 | 0.00 | 0.00 | 0.00 | 0.9175 | 1.29 | 1.09 | 0.9148 | 0.00 | 0.00 | 0.00 | 4.23 | 1.29 |
| OffPeakExceedsPeak | 0.8529 | 0.00 | 1.36 | 0.5063 | 0.5414 | 0.00 | 0.00 | 0.00 | 0.00 | 0.5962 | 0.6283 | 0.4098 | 4.89 | 1.36 |
| PeakExceedsMidPeak | 15.96 | 18.16 | 17.47 | 17.97 | 17.41 | 17.58 | 17.13 | 17.10 | 17.15 | 15.66 | 15.67 | 16.04 | 203.30 | 18.16 |
| MidPeakExceedsPeak | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakExceedsShoulder | 15.96 | 18.16 | 17.47 | 17.97 | 17.41 | 17.58 | 17.13 | 17.10 | 17.15 | 15.66 | 15.67 | 16.04 | 203.30 | 18.16 |
| ShoulderExceedsPeak | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsWinter | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 1.00 | 1.00 | 8.00 | 1.00 |
| IsNotWinter | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.00 | 0.00 | 0.00 | 4.00 | 1.00 |
| IsSpring | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsNotSpring | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| IsSummer | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.00 | 0.00 | 0.00 | 4.00 | 1.00 |
| IsNotSummer | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 1.00 | 1.00 | 8.00 | 1.00 |
| IsAutumn | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsNotAutumn | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| PeakAndShoulderEnergy | 1248.72 | 1098.55 | 1171.48 | 1291.31 | 1315.90 | 2524.45 | 2886.57 | 2727.34 | 2599.35 | 1185.12 | 1089.02 | 1160.03 | 20297.85 | 2886.57 |
| PeakAndShoulderDemand | 15.96 | 18.16 | 17.47 | 17.97 | 17.41 | 17.58 | 17.13 | 17.10 | 17.15 | 15.66 | 15.67 | 16.04 | 203.30 | 18.16 |
| PeakAndMidPeakEnergy | 1248.72 | 1098.55 | 1171.48 | 1291.31 | 1315.90 | 2524.45 | 2886.57 | 2727.34 | 2599.35 | 1185.12 | 1089.02 | 1160.03 | 20297.85 | 2886.57 |
| PeakAndMidPeakDemand | 15.96 | 18.16 | 17.47 | 17.97 | 17.41 | 17.58 | 17.13 | 17.10 | 17.15 | 15.66 | 15.67 | 16.04 | 203.30 | 18.16 |
| ShoulderAndOffPeakEnergy | 2352.40 | 2087.09 | 2291.54 | 2477.46 | 2572.12 | 713.36 | 819.33 | 759.20 | 718.99 | 2201.85 | 2024.31 | 2152.62 | 21170.27 | 2572.12 |
| ShoulderAndOffPeakDemand | 16.81 | 18.15 | 18.83 | 18.48 | 17.95 | 16.66 | 15.84 | 16.01 | 16.23 | 16.25 | 16.30 | 16.45 | 203.96 | 18.83 |
| PeakAndOffPeakEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| PeakAndOffPeakDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| RealTimePriceCosts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AboveCustomerBaseCosts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BelowCustomerBaseCosts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AboveCustomerBaseEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BelowCustomerBaseEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

**Other Variables**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| NotIncluded | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SUMENECHARGES | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 398.68 | 456.10 | 429.99 | 409.53 | 0.00 | 0.00 | 0.00 | 1694.29 | 456.10 |
| WINENECHARGES | 160.76 | 141.85 | 152.86 | 167.33 | 171.66 | 0.00 | 0.00 | 0.00 | 0.00 | 151.83 | 139.54 | 148.55 | 1234.38 | 171.66 |

**Computation - User Defined**  
  
SUMENECHARGES SUM SUMMERONPEAK SUMMEROFFPEAK  
WINENECHARGES SUM WINTERONPEAK WINTEROFFPEAK  
EnergyCharges SUM SUMENECHARGES WINENECHARGES  
Basis SUM EnergyCharges DemandCharges ServiceCharges  
Subtotal SUM Basis Adjustment Surcharge  
Total SUM Subtotal Taxes

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Report: **Tariff Report**

For: **EXAMPLEG**

Timestamp: **2019-06-19 07:53:09**

**General**

|  |  |
| --- | --- |
|  | Parameter |
| Meter | ELECTRICITYPURCHASED:FACILITY |
| Selected | No |
| Group | (none) |
| Qualified | Yes |
| Disqualifier | n/a |
| Computation | automatic |
| Units | kWh |

**Categories**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| EnergyCharges ($) | 295.00 | 265.59 | 286.20 | 308.47 | 315.96 | 269.47 | 302.54 | 287.54 | 275.45 | 279.72 | 260.22 | 274.89 | 3421.07 | 315.96 |
| DemandCharges ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ServiceCharges ($) | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 35.00 | 420.00 | 35.00 |
| Basis ($) | 330.00 | 300.59 | 321.20 | 343.47 | 350.96 | 304.47 | 337.54 | 322.54 | 310.45 | 314.72 | 295.22 | 309.89 | 3841.07 | 350.96 |
| Adjustment ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Surcharge ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Subtotal ($) | 330.00 | 300.59 | 321.20 | 343.47 | 350.96 | 304.47 | 337.54 | 322.54 | 310.45 | 314.72 | 295.22 | 309.89 | 3841.07 | 350.96 |
| Taxes ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total ($) | 330.00 | 300.59 | 321.20 | 343.47 | 350.96 | 304.47 | 337.54 | 322.54 | 310.45 | 314.72 | 295.22 | 309.89 | 3841.07 | 350.96 |

**Charges**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max | Category |
| ENERGYFIRST200KWHPERKW ($) | 3361.58 | 3185.65 | 3463.02 | 3695.87 | 3589.83 | 3237.81 | 3426.48 | 3419.93 | 3318.34 | 3250.38 | 3113.33 | 3289.17 | 40351.39 | 3695.87 | none |
| COSTOFFIRST200KWHPERKW ($) | 278.67 | 265.59 | 286.20 | 303.50 | 295.62 | 269.47 | 283.49 | 283.00 | 275.45 | 270.40 | 260.22 | 273.29 | 3344.91 | 303.50 | EnergyCharges |
| COSTOFRESTOFENERGY ($) | 16.34 | 0.00 | 0.00 | 4.97 | 20.34 | 0.00 | 19.06 | 4.54 | 0.00 | 9.32 | 0.00 | 1.60 | 76.16 | 20.34 | EnergyCharges |

**Corresponding Sources for Charges**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| TotalEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| ENERGYFIRST200KWHPERKW | 3361.58 | 3185.65 | 3463.02 | 3695.87 | 3589.83 | 3237.81 | 3426.48 | 3419.93 | 3318.34 | 3250.38 | 3113.33 | 3289.17 | 40351.39 | 3695.87 |
| RESTOFENERGY | 239.54 | 0.00 | 0.00 | 72.90 | 298.19 | 0.00 | 279.42 | 66.61 | 0.00 | 136.59 | 0.00 | 23.47 | 1116.72 | 298.19 |

**Ratchets**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |

**Qualifies**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |

**Native Variables**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| TotalEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| TotalDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| PeakEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| PeakDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| ShoulderEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ShoulderDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| OffPeakEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| OffPeakDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MidPeakEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MidPeakDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakExceedsOffPeak | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| OffPeakExceedsPeak | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakExceedsMidPeak | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| MidPeakExceedsPeak | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakExceedsShoulder | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| ShoulderExceedsPeak | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsWinter | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| IsNotWinter | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsSpring | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsNotSpring | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| IsSummer | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsNotSummer | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| IsAutumn | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsNotAutumn | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| PeakAndShoulderEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| PeakAndShoulderDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| PeakAndMidPeakEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| PeakAndMidPeakDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| ShoulderAndOffPeakEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ShoulderAndOffPeakDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakAndOffPeakEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| PeakAndOffPeakDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| RealTimePriceCosts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AboveCustomerBaseCosts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BelowCustomerBaseCosts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AboveCustomerBaseEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BelowCustomerBaseEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

**Other Variables**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| NotIncluded | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

**Computation - Automatic**  
  
ENERGYFIRST200KWHPERKW FROM TotalEnergy TotalDemand  
RESTOFENERGY FROM ENERGYFIRST200KWHPERKW  
COSTOFFIRST200KWHPERKW FROM ENERGYFIRST200KWHPERKW  
COSTOFRESTOFENERGY FROM RESTOFENERGY TotalDemand  
EnergyCharges SUM COSTOFFIRST200KWHPERKW COSTOFRESTOFENERGY  
Basis SUM EnergyCharges DemandCharges ServiceCharges  
Subtotal SUM Basis Adjustment Surcharge  
Total SUM Subtotal Taxes

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Report: **Tariff Report**

For: **EXAMPLEH**

Timestamp: **2019-06-19 07:53:09**

**General**

|  |  |
| --- | --- |
|  | Parameter |
| Meter | ELECTRICITYPURCHASED:FACILITY |
| Selected | No |
| Group | (none) |
| Qualified | Yes |
| Disqualifier | n/a |
| Computation | automatic |
| Units | kWh |

**Categories**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| EnergyCharges ($) | 160.76 | 141.85 | 152.86 | 167.33 | 171.66 | 398.68 | 456.10 | 429.99 | 409.53 | 151.83 | 139.54 | 148.55 | 2928.68 | 456.10 |
| DemandCharges ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ServiceCharges ($) | 37.75 | 37.75 | 37.75 | 37.75 | 37.75 | 37.75 | 37.75 | 37.75 | 37.75 | 37.75 | 37.75 | 37.75 | 453.00 | 37.75 |
| Basis ($) | 198.51 | 179.60 | 190.61 | 205.08 | 209.41 | 436.43 | 493.85 | 467.74 | 447.28 | 189.58 | 177.29 | 186.30 | 3381.68 | 493.85 |
| Adjustment ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Surcharge ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Subtotal ($) | 198.51 | 179.60 | 190.61 | 205.08 | 209.41 | 436.43 | 493.85 | 467.74 | 447.28 | 189.58 | 177.29 | 186.30 | 3381.68 | 493.85 |
| Taxes ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total ($) | 198.51 | 179.60 | 190.61 | 205.08 | 209.41 | 436.43 | 493.85 | 467.74 | 447.28 | 189.58 | 177.29 | 186.30 | 3381.68 | 493.85 |

**Charges**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max | Category |

**Corresponding Sources for Charges**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |

**Ratchets**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |

**Qualifies**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |

**Native Variables**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| TotalEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| TotalDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| PeakEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| PeakDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| ShoulderEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ShoulderDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| OffPeakEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| OffPeakDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MidPeakEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MidPeakDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakExceedsOffPeak | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| OffPeakExceedsPeak | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakExceedsMidPeak | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| MidPeakExceedsPeak | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakExceedsShoulder | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| ShoulderExceedsPeak | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsWinter | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| IsNotWinter | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsSpring | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsNotSpring | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| IsSummer | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsNotSummer | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| IsAutumn | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsNotAutumn | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| PeakAndShoulderEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| PeakAndShoulderDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| PeakAndMidPeakEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| PeakAndMidPeakDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| ShoulderAndOffPeakEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ShoulderAndOffPeakDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakAndOffPeakEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| PeakAndOffPeakDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| RealTimePriceCosts | 160.76 | 141.85 | 152.86 | 167.33 | 171.66 | 398.68 | 456.10 | 429.99 | 409.53 | 151.83 | 139.54 | 148.55 | 2928.68 | 456.10 |
| AboveCustomerBaseCosts | 160.76 | 141.85 | 152.86 | 167.33 | 171.66 | 398.68 | 456.10 | 429.99 | 409.53 | 151.83 | 139.54 | 148.55 | 2928.68 | 456.10 |
| BelowCustomerBaseCosts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AboveCustomerBaseEnergy | 3601.12 | 3185.65 | 3463.02 | 3768.77 | 3888.02 | 3237.81 | 3705.90 | 3486.54 | 3318.34 | 3386.97 | 3113.33 | 3312.65 | 41468.11 | 3888.02 |
| BelowCustomerBaseEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

**Other Variables**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| NotIncluded | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

**Computation - Automatic**  
  
EnergyCharges SUM RealTimePriceCosts  
Basis SUM EnergyCharges DemandCharges ServiceCharges  
Subtotal SUM Basis Adjustment Surcharge  
Total SUM Subtotal Taxes

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Report: **Tariff Report**

For: **EXAMPLEI-SELL**

Timestamp: **2019-06-19 07:53:09**

**General**

|  |  |
| --- | --- |
|  | Parameter |
| Meter | ELECTRICITYSURPLUSSOLD:FACILITY |
| Selected | Yes |
| Group | (none) |
| Qualified | Yes |
| Disqualifier | n/a |
| Computation | automatic |
| Units | kWh |

**Categories**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| EnergyCharges ($) | -3.8 | -3.3 | -3.4 | -3.6 | -3.8 | -3.4 | -4.0 | -3.8 | -3.7 | -4.0 | -3.6 | -3.7 | -44.1 | -3.3 |
| DemandCharges ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ServiceCharges ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Basis ($) | -3.8 | -3.3 | -3.4 | -3.6 | -3.8 | -3.4 | -4.0 | -3.8 | -3.7 | -4.0 | -3.6 | -3.7 | -44.1 | -3.3 |
| Adjustment ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Surcharge ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Subtotal ($) | -3.8 | -3.3 | -3.4 | -3.6 | -3.8 | -3.4 | -4.0 | -3.8 | -3.7 | -4.0 | -3.6 | -3.7 | -44.1 | -3.3 |
| Taxes ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total ($) | -3.8 | -3.3 | -3.4 | -3.6 | -3.8 | -3.4 | -4.0 | -3.8 | -3.7 | -4.0 | -3.6 | -3.7 | -44.1 | -3.3 |

**Charges**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max | Category |
| GENERATEDELECTRICSOLD ($) | -3.8 | -3.3 | -3.4 | -3.6 | -3.8 | -3.4 | -4.0 | -3.8 | -3.7 | -4.0 | -3.6 | -3.7 | -44.1 | -3.3 | EnergyCharges |

**Corresponding Sources for Charges**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| TotalEnergy | 189.62 | 164.35 | 171.66 | 180.64 | 190.00 | 171.38 | 197.58 | 190.31 | 184.89 | 198.97 | 182.03 | 184.01 | 2205.43 | 198.97 |

**Ratchets**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |

**Qualifies**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |

**Native Variables**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| TotalEnergy | 189.62 | 164.35 | 171.66 | 180.64 | 190.00 | 171.38 | 197.58 | 190.31 | 184.89 | 198.97 | 182.03 | 184.01 | 2205.43 | 198.97 |
| TotalDemand | 0.9711 | 0.9683 | 0.9570 | 0.9627 | 0.9683 | 0.9866 | 0.9951 | 1.01 | 1.01 | 1.00 | 1.01 | 0.9739 | 11.81 | 1.01 |
| PeakEnergy | 189.62 | 164.35 | 171.66 | 180.64 | 190.00 | 171.38 | 197.58 | 190.31 | 184.89 | 198.97 | 182.03 | 184.01 | 2205.43 | 198.97 |
| PeakDemand | 0.9711 | 0.9683 | 0.9570 | 0.9627 | 0.9683 | 0.9866 | 0.9951 | 1.01 | 1.01 | 1.00 | 1.01 | 0.9739 | 11.81 | 1.01 |
| ShoulderEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ShoulderDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| OffPeakEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| OffPeakDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MidPeakEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MidPeakDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakExceedsOffPeak | 0.9711 | 0.9683 | 0.9570 | 0.9627 | 0.9683 | 0.9866 | 0.9951 | 1.01 | 1.01 | 1.00 | 1.01 | 0.9739 | 11.81 | 1.01 |
| OffPeakExceedsPeak | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakExceedsMidPeak | 0.9711 | 0.9683 | 0.9570 | 0.9627 | 0.9683 | 0.9866 | 0.9951 | 1.01 | 1.01 | 1.00 | 1.01 | 0.9739 | 11.81 | 1.01 |
| MidPeakExceedsPeak | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakExceedsShoulder | 0.9711 | 0.9683 | 0.9570 | 0.9627 | 0.9683 | 0.9866 | 0.9951 | 1.01 | 1.01 | 1.00 | 1.01 | 0.9739 | 11.81 | 1.01 |
| ShoulderExceedsPeak | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsWinter | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| IsNotWinter | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsSpring | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsNotSpring | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| IsSummer | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsNotSummer | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| IsAutumn | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsNotAutumn | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| PeakAndShoulderEnergy | 189.62 | 164.35 | 171.66 | 180.64 | 190.00 | 171.38 | 197.58 | 190.31 | 184.89 | 198.97 | 182.03 | 184.01 | 2205.43 | 198.97 |
| PeakAndShoulderDemand | 0.9711 | 0.9683 | 0.9570 | 0.9627 | 0.9683 | 0.9866 | 0.9951 | 1.01 | 1.01 | 1.00 | 1.01 | 0.9739 | 11.81 | 1.01 |
| PeakAndMidPeakEnergy | 189.62 | 164.35 | 171.66 | 180.64 | 190.00 | 171.38 | 197.58 | 190.31 | 184.89 | 198.97 | 182.03 | 184.01 | 2205.43 | 198.97 |
| PeakAndMidPeakDemand | 0.9711 | 0.9683 | 0.9570 | 0.9627 | 0.9683 | 0.9866 | 0.9951 | 1.01 | 1.01 | 1.00 | 1.01 | 0.9739 | 11.81 | 1.01 |
| ShoulderAndOffPeakEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ShoulderAndOffPeakDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakAndOffPeakEnergy | 189.62 | 164.35 | 171.66 | 180.64 | 190.00 | 171.38 | 197.58 | 190.31 | 184.89 | 198.97 | 182.03 | 184.01 | 2205.43 | 198.97 |
| PeakAndOffPeakDemand | 0.9711 | 0.9683 | 0.9570 | 0.9627 | 0.9683 | 0.9866 | 0.9951 | 1.01 | 1.01 | 1.00 | 1.01 | 0.9739 | 11.81 | 1.01 |
| RealTimePriceCosts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AboveCustomerBaseCosts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BelowCustomerBaseCosts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AboveCustomerBaseEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BelowCustomerBaseEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

**Other Variables**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| NotIncluded | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

**Computation - Automatic**  
  
GENERATEDELECTRICSOLD FROM TotalEnergy  
EnergyCharges SUM GENERATEDELECTRICSOLD  
Basis SUM EnergyCharges DemandCharges ServiceCharges  
Subtotal SUM Basis Adjustment Surcharge  
Total SUM Subtotal Taxes

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Report: **Tariff Report**

For: **EXAMPLEI-NETMETER**

Timestamp: **2019-06-19 07:53:09**

**General**

|  |  |
| --- | --- |
|  | Parameter |
| Meter | ELECTRICITYNET:FACILITY |
| Selected | No |
| Group | (none) |
| Qualified | Yes |
| Disqualifier | n/a |
| Computation | automatic |
| Units | kWh |

**Categories**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| EnergyCharges ($) | 221.75 | 196.38 | 213.94 | 233.23 | 240.37 | 199.32 | 228.04 | 214.26 | 203.67 | 207.22 | 190.53 | 203.36 | 2552.07 | 240.37 |
| DemandCharges ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ServiceCharges ($) | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 360.00 | 30.00 |
| Basis ($) | 251.75 | 226.38 | 243.94 | 263.23 | 270.37 | 229.32 | 258.04 | 244.26 | 233.67 | 237.22 | 220.53 | 233.36 | 2912.07 | 270.37 |
| Adjustment ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Surcharge ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Subtotal ($) | 251.75 | 226.38 | 243.94 | 263.23 | 270.37 | 229.32 | 258.04 | 244.26 | 233.67 | 237.22 | 220.53 | 233.36 | 2912.07 | 270.37 |
| Taxes ($) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total ($) | 251.75 | 226.38 | 243.94 | 263.23 | 270.37 | 229.32 | 258.04 | 244.26 | 233.67 | 237.22 | 220.53 | 233.36 | 2912.07 | 270.37 |

**Charges**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max | Category |
| NETMETEREDCHARGE ($) | 221.75 | 196.38 | 213.94 | 233.23 | 240.37 | 199.32 | 228.04 | 214.26 | 203.67 | 207.22 | 190.53 | 203.36 | 2552.07 | 240.37 | EnergyCharges |

**Corresponding Sources for Charges**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| TotalEnergy | 3411.50 | 3021.29 | 3291.36 | 3588.13 | 3698.02 | 3066.43 | 3508.32 | 3296.23 | 3133.45 | 3188.00 | 2931.31 | 3128.63 | 39262.68 | 3698.02 |

**Ratchets**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |

**Qualifies**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |

**Native Variables**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| TotalEnergy | 3411.50 | 3021.29 | 3291.36 | 3588.13 | 3698.02 | 3066.43 | 3508.32 | 3296.23 | 3133.45 | 3188.00 | 2931.31 | 3128.63 | 39262.68 | 3698.02 |
| TotalDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| PeakEnergy | 3411.50 | 3021.29 | 3291.36 | 3588.13 | 3698.02 | 3066.43 | 3508.32 | 3296.23 | 3133.45 | 3188.00 | 2931.31 | 3128.63 | 39262.68 | 3698.02 |
| PeakDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| ShoulderEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ShoulderDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| OffPeakEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| OffPeakDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MidPeakEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MidPeakDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakExceedsOffPeak | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| OffPeakExceedsPeak | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakExceedsMidPeak | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| MidPeakExceedsPeak | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakExceedsShoulder | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| ShoulderExceedsPeak | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsWinter | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| IsNotWinter | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsSpring | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsNotSpring | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| IsSummer | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsNotSummer | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| IsAutumn | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| IsNotAutumn | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | 1.00 |
| PeakAndShoulderEnergy | 3411.50 | 3021.29 | 3291.36 | 3588.13 | 3698.02 | 3066.43 | 3508.32 | 3296.23 | 3133.45 | 3188.00 | 2931.31 | 3128.63 | 39262.68 | 3698.02 |
| PeakAndShoulderDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| PeakAndMidPeakEnergy | 3411.50 | 3021.29 | 3291.36 | 3588.13 | 3698.02 | 3066.43 | 3508.32 | 3296.23 | 3133.45 | 3188.00 | 2931.31 | 3128.63 | 39262.68 | 3698.02 |
| PeakAndMidPeakDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| ShoulderAndOffPeakEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ShoulderAndOffPeakDemand | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PeakAndOffPeakEnergy | 3411.50 | 3021.29 | 3291.36 | 3588.13 | 3698.02 | 3066.43 | 3508.32 | 3296.23 | 3133.45 | 3188.00 | 2931.31 | 3128.63 | 39262.68 | 3698.02 |
| PeakAndOffPeakDemand | 16.81 | 18.16 | 18.83 | 18.48 | 17.95 | 17.58 | 17.13 | 17.10 | 17.15 | 16.25 | 16.30 | 16.45 | 208.19 | 18.83 |
| RealTimePriceCosts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AboveCustomerBaseCosts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BelowCustomerBaseCosts | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AboveCustomerBaseEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BelowCustomerBaseEnergy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

**Other Variables**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Sum | Max |
| NotIncluded | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

**Computation - Automatic**  
  
NETMETEREDCHARGE FROM TotalEnergy  
EnergyCharges SUM NETMETEREDCHARGE  
Basis SUM EnergyCharges DemandCharges ServiceCharges  
Subtotal SUM Basis Adjustment Surcharge  
Total SUM Subtotal Taxes

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Report: **Life-Cycle Cost Report**

For: **Entire Facility**

Timestamp: **2019-06-19 07:53:09**

**Life-Cycle Cost Parameters**

|  |  |
| --- | --- |
|  | Value |
| Name | TYPICALLCC |
| Discounting Convention | EndOfYear |
| Inflation Approach | ConstantDollar |
| Real Discount Rate | 0.0300 |
| Nominal Discount Rate | -- N/A -- |
| Inflation | -- N/A -- |
| Base Date | January 2012 |
| Service Date | January 2014 |
| Length of Study Period in Years | 22 |
| Tax rate | 0.0000 |
| Depreciation Method | None |

**Use Price Escalation**

|  |  |  |  |
| --- | --- | --- | --- |
|  | MIDWEST COMMERCIAL-ELECTRICITY | MIDWEST COMMERCIAL-ELECTRICITY | MIDWEST COMMERCIAL-NATURAL GAS |
| Resource | ElectricityPurchased | ElectricitySurplusSold | Gas |
| Start Date | January 2012 | January 2012 | January 2012 |
| 1 | 1.007200 | 1.007200 | 0.995000 |
| 2 | 1.014800 | 1.014800 | 0.971100 |
| 3 | 1.031500 | 1.031500 | 0.977400 |
| 4 | 1.049300 | 1.049300 | 0.984900 |
| 5 | 1.050500 | 1.050500 | 0.989900 |
| 6 | 1.045100 | 1.045100 | 1.000000 |
| 7 | 1.042900 | 1.042900 | 1.011300 |
| 8 | 1.041000 | 1.041000 | 1.028900 |
| 9 | 1.040600 | 1.040600 | 1.061600 |
| 10 | 1.044400 | 1.044400 | 1.103100 |
| 11 | 1.050500 | 1.050500 | 1.132100 |
| 12 | 1.053500 | 1.053500 | 1.148400 |
| 13 | 1.052400 | 1.052400 | 1.162300 |
| 14 | 1.047800 | 1.047800 | 1.178600 |
| 15 | 1.042900 | 1.042900 | 1.192500 |
| 16 | 1.039100 | 1.039100 | 1.202500 |
| 17 | 1.037200 | 1.037200 | 1.213800 |
| 18 | 1.036000 | 1.036000 | 1.228900 |
| 19 | 1.034100 | 1.034100 | 1.245300 |
| 20 | 1.031900 | 1.031900 | 1.264200 |
| 21 | 1.028800 | 1.028800 | 1.281800 |
| 22 | 1.034100 | 1.034100 | 1.318200 |

**Use Adjustment**

|  |  |
| --- | --- |
|  | NOELECTRICUSEADJUSTMENT |
|  | ElectricityPurchased |
| January 2014 | 1.000000 |
| January 2015 | 1.000000 |
| January 2016 | 1.000000 |
| January 2017 | 1.000000 |
| January 2018 | 1.000000 |
| January 2019 | 1.000000 |
| January 2020 | 1.000000 |
| January 2021 | 1.000000 |
| January 2022 | 1.000000 |
| January 2023 | 1.000000 |
| January 2024 | 1.000000 |
| January 2025 | 1.000000 |
| January 2026 | 1.000000 |
| January 2027 | 1.000000 |
| January 2028 | 1.000000 |
| January 2029 | 1.000000 |
| January 2030 | 1.000000 |
| January 2031 | 1.000000 |
| January 2032 | 1.000000 |
| January 2033 | 1.000000 |

**Cash Flow for Recurring and Nonrecurring Costs (Without Escalation)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | ANNUALMAINT | PHASE ONE INVESTMENT | PHASE TWO INVESTMENT | FANREPLACEMENT | PLANTREPLACEMENT | RESIDUALVALUE |
|  | Recurring | Nonrecurring | Nonrecurring | Nonrecurring | Nonrecurring | Nonrecurring |
| January 2012 | 0.00 | 51500.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| January 2013 | 0.00 | 0.00 | 51500.00 | 0.00 | 0.00 | 0.00 |
| January 2014 | 7000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| January 2015 | 7000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| January 2016 | 7000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| January 2017 | 7000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| January 2018 | 7000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| January 2019 | 7000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| January 2020 | 7000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| January 2021 | 7000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| January 2022 | 7000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| January 2023 | 7000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| January 2024 | 7000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| January 2025 | 7000.00 | 0.00 | 0.00 | 12000.00 | 0.00 | 0.00 |
| January 2026 | 7000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| January 2027 | 7000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| January 2028 | 7000.00 | 0.00 | 0.00 | 0.00 | 60000.00 | 0.00 |
| January 2029 | 7000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| January 2030 | 7000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| January 2031 | 7000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| January 2032 | 7000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| January 2033 | 7000.00 | 0.00 | 0.00 | 0.00 | 0.00 | -20000.0 |

**Energy and Water Cost Cash Flows (Without Escalation)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Gas | Water | ElectricityPurchased | ElectricitySurplusSold |
| January 2012 | 0.00 | 0.00 | 0.00 | 0.00 |
| January 2013 | 0.00 | 0.00 | 0.00 | 0.00 |
| January 2014 | 1073.95 | 1671.53 | 2251.56 | -44.1 |
| January 2015 | 1073.95 | 1671.53 | 2251.56 | -44.1 |
| January 2016 | 1073.95 | 1671.53 | 2251.56 | -44.1 |
| January 2017 | 1073.95 | 1671.53 | 2251.56 | -44.1 |
| January 2018 | 1073.95 | 1671.53 | 2251.56 | -44.1 |
| January 2019 | 1073.95 | 1671.53 | 2251.56 | -44.1 |
| January 2020 | 1073.95 | 1671.53 | 2251.56 | -44.1 |
| January 2021 | 1073.95 | 1671.53 | 2251.56 | -44.1 |
| January 2022 | 1073.95 | 1671.53 | 2251.56 | -44.1 |
| January 2023 | 1073.95 | 1671.53 | 2251.56 | -44.1 |
| January 2024 | 1073.95 | 1671.53 | 2251.56 | -44.1 |
| January 2025 | 1073.95 | 1671.53 | 2251.56 | -44.1 |
| January 2026 | 1073.95 | 1671.53 | 2251.56 | -44.1 |
| January 2027 | 1073.95 | 1671.53 | 2251.56 | -44.1 |
| January 2028 | 1073.95 | 1671.53 | 2251.56 | -44.1 |
| January 2029 | 1073.95 | 1671.53 | 2251.56 | -44.1 |
| January 2030 | 1073.95 | 1671.53 | 2251.56 | -44.1 |
| January 2031 | 1073.95 | 1671.53 | 2251.56 | -44.1 |
| January 2032 | 1073.95 | 1671.53 | 2251.56 | -44.1 |
| January 2033 | 1073.95 | 1671.53 | 2251.56 | -44.1 |

**Capital Cash Flow by Category (Without Escalation)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Construction | Salvage | OtherCapital | Total |
| January 2012 | 51500.00 | 0.00 | 0.00 | 51500.00 |
| January 2013 | 51500.00 | 0.00 | 0.00 | 51500.00 |
| January 2014 | 0.00 | 0.00 | 0.00 | 0.00 |
| January 2015 | 0.00 | 0.00 | 0.00 | 0.00 |
| January 2016 | 0.00 | 0.00 | 0.00 | 0.00 |
| January 2017 | 0.00 | 0.00 | 0.00 | 0.00 |
| January 2018 | 0.00 | 0.00 | 0.00 | 0.00 |
| January 2019 | 0.00 | 0.00 | 0.00 | 0.00 |
| January 2020 | 0.00 | 0.00 | 0.00 | 0.00 |
| January 2021 | 0.00 | 0.00 | 0.00 | 0.00 |
| January 2022 | 0.00 | 0.00 | 0.00 | 0.00 |
| January 2023 | 0.00 | 0.00 | 0.00 | 0.00 |
| January 2024 | 0.00 | 0.00 | 0.00 | 0.00 |
| January 2025 | 0.00 | 0.00 | 12000.00 | 12000.00 |
| January 2026 | 0.00 | 0.00 | 0.00 | 0.00 |
| January 2027 | 0.00 | 0.00 | 0.00 | 0.00 |
| January 2028 | 0.00 | 0.00 | 60000.00 | 60000.00 |
| January 2029 | 0.00 | 0.00 | 0.00 | 0.00 |
| January 2030 | 0.00 | 0.00 | 0.00 | 0.00 |
| January 2031 | 0.00 | 0.00 | 0.00 | 0.00 |
| January 2032 | 0.00 | 0.00 | 0.00 | 0.00 |
| January 2033 | 0.00 | -20000.0 | 0.00 | -20000.0 |

**Operating Cash Flow by Category (Without Escalation)**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Energy | Water | Maintenance | Repair | Operation | Replacement | MinorOverhaul | MajorOverhaul | OtherOperational | Total |
| January 2012 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| January 2013 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| January 2014 | 3281.40 | 1671.53 | 7000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11952.93 |
| January 2015 | 3281.40 | 1671.53 | 7000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11952.93 |
| January 2016 | 3281.40 | 1671.53 | 7000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11952.93 |
| January 2017 | 3281.40 | 1671.53 | 7000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11952.93 |
| January 2018 | 3281.40 | 1671.53 | 7000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11952.93 |
| January 2019 | 3281.40 | 1671.53 | 7000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11952.93 |
| January 2020 | 3281.40 | 1671.53 | 7000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11952.93 |
| January 2021 | 3281.40 | 1671.53 | 7000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11952.93 |
| January 2022 | 3281.40 | 1671.53 | 7000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11952.93 |
| January 2023 | 3281.40 | 1671.53 | 7000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11952.93 |
| January 2024 | 3281.40 | 1671.53 | 7000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11952.93 |
| January 2025 | 3281.40 | 1671.53 | 7000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11952.93 |
| January 2026 | 3281.40 | 1671.53 | 7000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11952.93 |
| January 2027 | 3281.40 | 1671.53 | 7000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11952.93 |
| January 2028 | 3281.40 | 1671.53 | 7000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11952.93 |
| January 2029 | 3281.40 | 1671.53 | 7000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11952.93 |
| January 2030 | 3281.40 | 1671.53 | 7000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11952.93 |
| January 2031 | 3281.40 | 1671.53 | 7000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11952.93 |
| January 2032 | 3281.40 | 1671.53 | 7000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11952.93 |
| January 2033 | 3281.40 | 1671.53 | 7000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11952.93 |

**Monthly Total Cash Flow (Without Escalation)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | January | February | March | April | May | June | July | August | September | October | November | December |
| 2012 | 51500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2013 | 51500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2014 | 7377.49 | 356.69 | 376.38 | 375.05 | 387.14 | 470.62 | 511.95 | 495.80 | 477.00 | 377.04 | 370.45 | 377.30 |
| 2015 | 7377.49 | 356.69 | 376.38 | 375.05 | 387.14 | 470.62 | 511.95 | 495.80 | 477.00 | 377.04 | 370.45 | 377.30 |
| 2016 | 7377.49 | 356.69 | 376.38 | 375.05 | 387.14 | 470.62 | 511.95 | 495.80 | 477.00 | 377.04 | 370.45 | 377.30 |
| 2017 | 7377.49 | 356.69 | 376.38 | 375.05 | 387.14 | 470.62 | 511.95 | 495.80 | 477.00 | 377.04 | 370.45 | 377.30 |
| 2018 | 7377.49 | 356.69 | 376.38 | 375.05 | 387.14 | 470.62 | 511.95 | 495.80 | 477.00 | 377.04 | 370.45 | 377.30 |
| 2019 | 7377.49 | 356.69 | 376.38 | 375.05 | 387.14 | 470.62 | 511.95 | 495.80 | 477.00 | 377.04 | 370.45 | 377.30 |
| 2020 | 7377.49 | 356.69 | 376.38 | 375.05 | 387.14 | 470.62 | 511.95 | 495.80 | 477.00 | 377.04 | 370.45 | 377.30 |
| 2021 | 7377.49 | 356.69 | 376.38 | 375.05 | 387.14 | 470.62 | 511.95 | 495.80 | 477.00 | 377.04 | 370.45 | 377.30 |
| 2022 | 7377.49 | 356.69 | 376.38 | 375.05 | 387.14 | 470.62 | 511.95 | 495.80 | 477.00 | 377.04 | 370.45 | 377.30 |
| 2023 | 7377.49 | 356.69 | 376.38 | 375.05 | 387.14 | 470.62 | 511.95 | 495.80 | 477.00 | 377.04 | 370.45 | 377.30 |
| 2024 | 7377.49 | 356.69 | 376.38 | 375.05 | 387.14 | 470.62 | 511.95 | 495.80 | 477.00 | 377.04 | 370.45 | 377.30 |
| 2025 | 19377.49 | 356.69 | 376.38 | 375.05 | 387.14 | 470.62 | 511.95 | 495.80 | 477.00 | 377.04 | 370.45 | 377.30 |
| 2026 | 7377.49 | 356.69 | 376.38 | 375.05 | 387.14 | 470.62 | 511.95 | 495.80 | 477.00 | 377.04 | 370.45 | 377.30 |
| 2027 | 7377.49 | 356.69 | 376.38 | 375.05 | 387.14 | 470.62 | 511.95 | 495.80 | 477.00 | 377.04 | 370.45 | 377.30 |
| 2028 | 67377.49 | 356.69 | 376.38 | 375.05 | 387.14 | 470.62 | 511.95 | 495.80 | 477.00 | 377.04 | 370.45 | 377.30 |
| 2029 | 7377.49 | 356.69 | 376.38 | 375.05 | 387.14 | 470.62 | 511.95 | 495.80 | 477.00 | 377.04 | 370.45 | 377.30 |
| 2030 | 7377.49 | 356.69 | 376.38 | 375.05 | 387.14 | 470.62 | 511.95 | 495.80 | 477.00 | 377.04 | 370.45 | 377.30 |
| 2031 | 7377.49 | 356.69 | 376.38 | 375.05 | 387.14 | 470.62 | 511.95 | 495.80 | 477.00 | 377.04 | 370.45 | 377.30 |
| 2032 | 7377.49 | 356.69 | 376.38 | 375.05 | 387.14 | 470.62 | 511.95 | 495.80 | 477.00 | 377.04 | 370.45 | 377.30 |
| 2033 | -12622.5 | 356.69 | 376.38 | 375.05 | 387.14 | 470.62 | 511.95 | 495.80 | 477.00 | 377.04 | 370.45 | 377.30 |

**Present Value for Recurring, Nonrecurring and Energy Costs (Before Tax)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Category | Kind | Cost | Present Value | Present Value Factor |
| ANNUALMAINT | Maintenance | Recurring | 7000.00 | 98164.13 | 14.0234 |
| PHASE ONE INVESTMENT | Construction | Nonrecurring | 51500.00 | 50000.00 | 0.9709 |
| PHASE TWO INVESTMENT | Construction | Nonrecurring | 51500.00 | 48543.69 | 0.9426 |
| FANREPLACEMENT | Other Capital | Nonrecurring | 12000.00 | 7933.41 | 0.6611 |
| PLANTREPLACEMENT | Other Capital | Nonrecurring | 60000.00 | 36300.99 | 0.6050 |
| RESIDUALVALUE | Salvage | Nonrecurring | -20000.0 | -10437.9 | 0.5219 |
| Gas | Energy | Energy Cost | 1073.95 | 16841.57 | 15.6820 |
| Water | Water | Water Cost | 1671.53 | 23440.67 | 14.0234 |
| ElectricityPurchased | Energy | Energy Cost | 2251.56 | 32908.86 | 14.6160 |
| ElectricitySurplusSold | Energy | Energy Cost | -44.1 | -644.7 | 14.6160 |
| TOTAL |  |  |  | 303050.78 |  |

**Present Value by Category**

|  |  |
| --- | --- |
|  | Present Value |
| Construction | 98543.69 |
| Salvage | -10437.9 |
| Other Capital | 44234.40 |
| Energy | 49105.74 |
| Water | 23440.67 |
| Maintenance | 98164.13 |
| Repair | 0.00 |
| Operation | 0.00 |
| Replacement | 0.00 |
| Minor Overhaul | 0.00 |
| Major Overhaul | 0.00 |
| Other Operational | 0.00 |
| Total Energy | 49105.74 |
| Total Operation | 170710.54 |
| Total Capital | 132340.24 |
| Grand Total | 303050.78 |

**Present Value by Year**

|  |  |  |
| --- | --- | --- |
|  | Total Cost | Present Value of Costs |
| January 2012 | 51500.00 | 50000.00 |
| January 2013 | 51500.00 | 48543.69 |
| January 2014 | 11952.93 | 10980.05 |
| January 2015 | 11952.93 | 10702.31 |
| January 2016 | 11952.93 | 10397.51 |
| January 2017 | 11952.93 | 10093.77 |
| January 2018 | 11952.93 | 9805.69 |
| January 2019 | 11952.93 | 9531.70 |
| January 2020 | 11952.93 | 9280.32 |
| January 2021 | 11952.93 | 9049.42 |
| January 2022 | 11952.93 | 8818.07 |
| January 2023 | 11952.93 | 8578.16 |
| January 2024 | 11952.93 | 8336.82 |
| January 2025 | 23952.93 | 16032.27 |
| January 2026 | 11952.93 | 7865.61 |
| January 2027 | 11952.93 | 7637.98 |
| January 2028 | 71952.93 | 43721.31 |
| January 2029 | 11952.93 | 7212.16 |
| January 2030 | 11952.93 | 7009.75 |
| January 2031 | 11952.93 | 6814.13 |
| January 2032 | 11952.93 | 6622.15 |
| January 2033 | -8047.1 | -3982.1 |
| TOTAL |  | 303050.78 |