

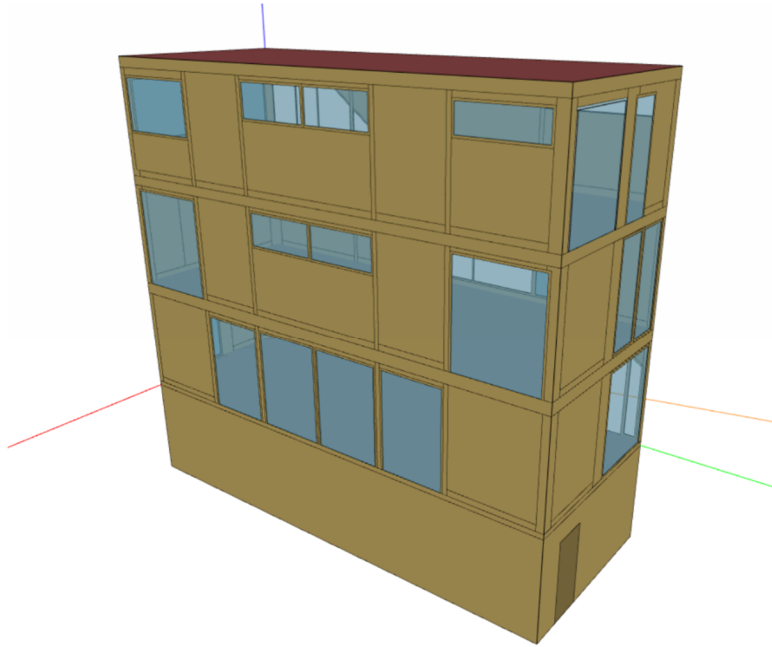
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# BUILDING HVAC LOAD CALCULATION

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3508 96th Ave SE  
MERCER ISLAND, WASHINGTON 98040

PROJECT: HEP-24-04



FOR:

SAM ADAMS  
2622 123rd Ave SE, Bellevue, WA 98005

SUBMITTED BY:  
HELIX ENERGY PARTNERS LLC

ARIL 12<sup>th</sup>, 2025  
v003



RENEWAL DATE DEC. 31, 2026

# OpenStudio Results

## Model Summary

### Building Summary

| Data                               | Value                      |
|------------------------------------|----------------------------|
| Building Name                      | 3508 96th Ave SW           |
| Total Site Energy                  | 60,196 kBtu                |
| Total Building Area                | 2,455 ft <sup>2</sup>      |
| Total Site EUI                     | 24.52 kBtu/ft <sup>2</sup> |
| OpenStudio Standards Building Type | n/a                        |

### Weather Summary

|                     | Value   |
|---------------------|---|
| Weather File        | Seattle Seattle Tacoma Intl A WA USA TMY3 WMO#=727930 |
| Latitude            | 47.47   |
| Longitude           | -122.3  |
| Elevation           | 400 ft  |
| Time Zone           | -8.0  |
| North Axis Angle    | 12.50   |
| ASHRAE Climate Zone |   |

Sizing Period Design Days

|  | Maximum Dry Bulb (F) | Daily Temperature Range (R) | Humidity Value | Humidity Type     | Wind Speed (mph) | Wind Direction |
|--|----------------------|-----------------------------|----------------|-------------------|------------------|----------------|
| SEATTLE SEATTLE TACOMA INTL A ANN CLG .4% CONDNS DB=>MWB         | 84.92                | 18.72                       | 18.3           | Wetbulb [F]       | 9.4              | 350.0          |
| SEATTLE SEATTLE TACOMA INTL A ANN CLG .4% CONDNS DP=>MDB         | 69.44                | 18.72                       | 15.9           | Dewpoint [F]      | 9.4              | 350.0          |
| SEATTLE SEATTLE TACOMA INTL A ANN CLG .4% CONDNS ENTH=>MDB       | 82.76                | 18.72                       | 54700.0        | Enthalpy [Btu/lb] | 9.4              | 350.0          |
| SEATTLE SEATTLE TACOMA INTL A ANN CLG .4% CONDNS WB=>MDB         | 82.22                | 18.72                       | 19.2           | Wetbulb [F]       | 9.4              | 350.0          |
| SEATTLE SEATTLE TACOMA INTL A ANN HTG 99.6% CONDNS DB            | 24.44                | 0.0                         | -4.2           | Wetbulb [F]       | 9.62             | 20.0           |
| SEATTLE SEATTLE TACOMA INTL A ANN HTG WIND 99.6% CONDNS WS=>MCDB | 42.08                | 0.0                         | 5.6            | Wetbulb [F]       | 27.07            | 20.0           |
| SEATTLE SEATTLE TACOMA INTL A ANN HUM_N 99.6% CONDNS DP=>MCDB    | 31.28                | 0.0                         | -13.0          | Dewpoint [F]      | 9.62             | 20.0           |

Unmet Hours Summary

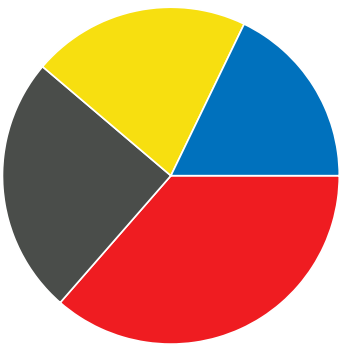
| Time Setpoint Not Met   | Time (hr) |
|-------------------------|-----------|
| During Heating          | 0.0       |
| During Cooling          | 0.0       |
| During Occupied Heating | 0.0       |
| During Occupied Cooling | 0.0       |

Unmet Hours Tolerance

| Tolerance for Time Setpoint Not Met | Temperature (F) |
|-------------------------------------|-----------------|
| Heating                             | 0.36            |
| Cooling                             | 0.36            |

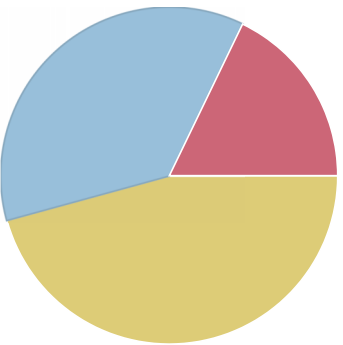
# Annual Overview

End Use - view table



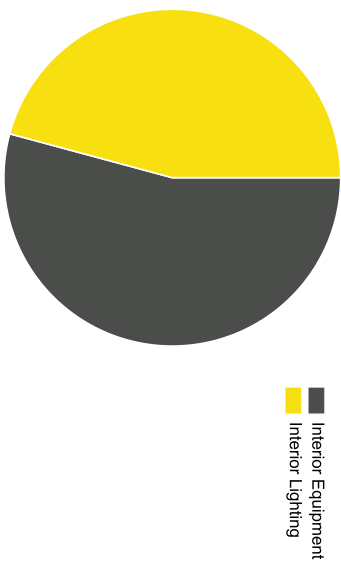
- Heating
- Interior Equipment
- Interior Lighting
- Cooling

Energy Use - view table



- Electricity
- District Heating Water
- District Cooling

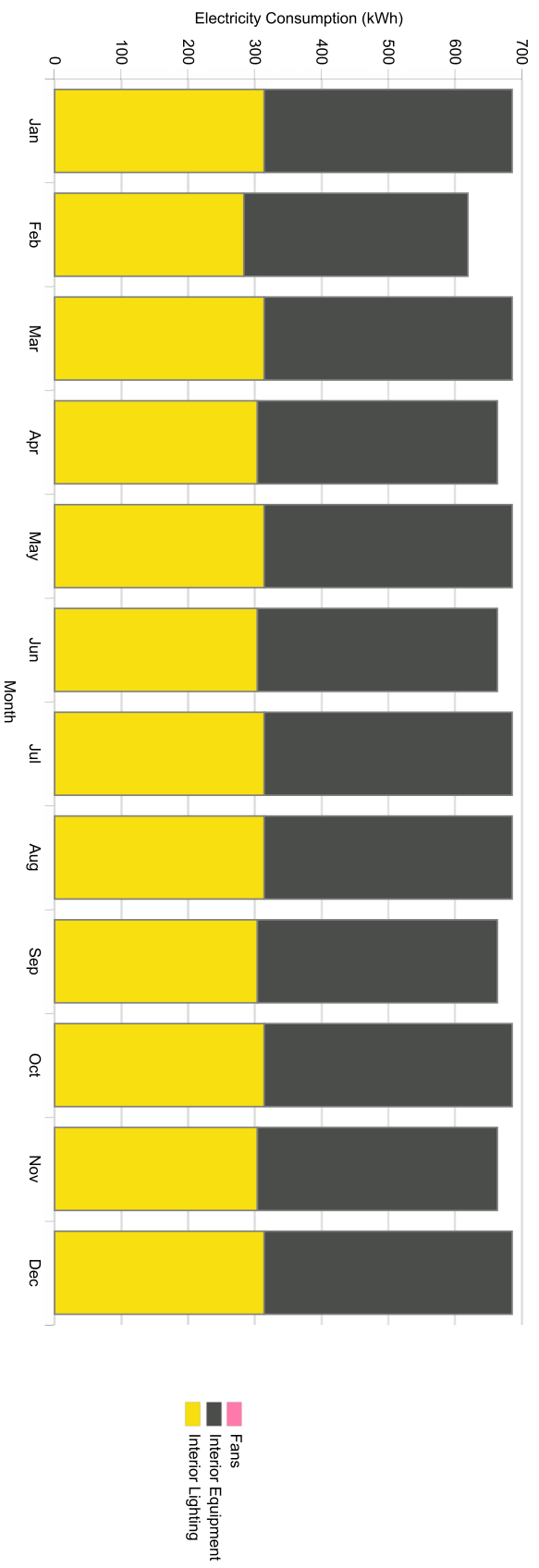
[EUI - Electricity - view table](#)



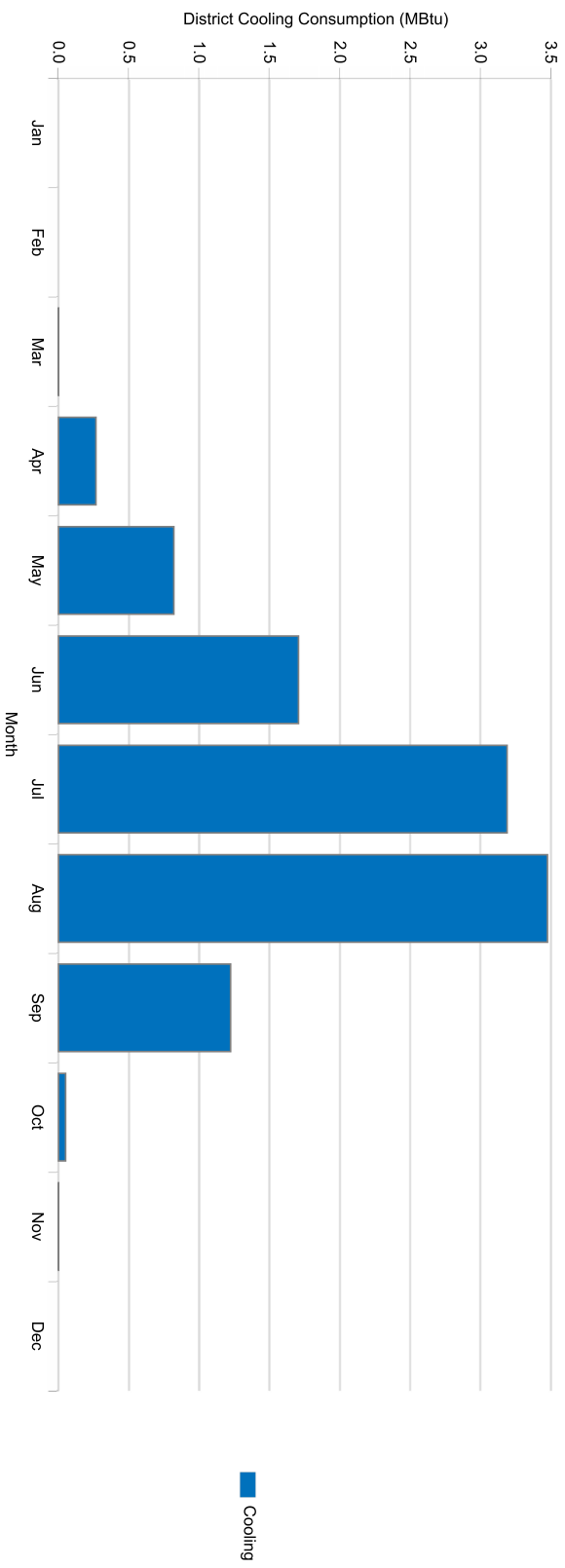
[EUI - Gas - view table](#)

## Monthly Overview

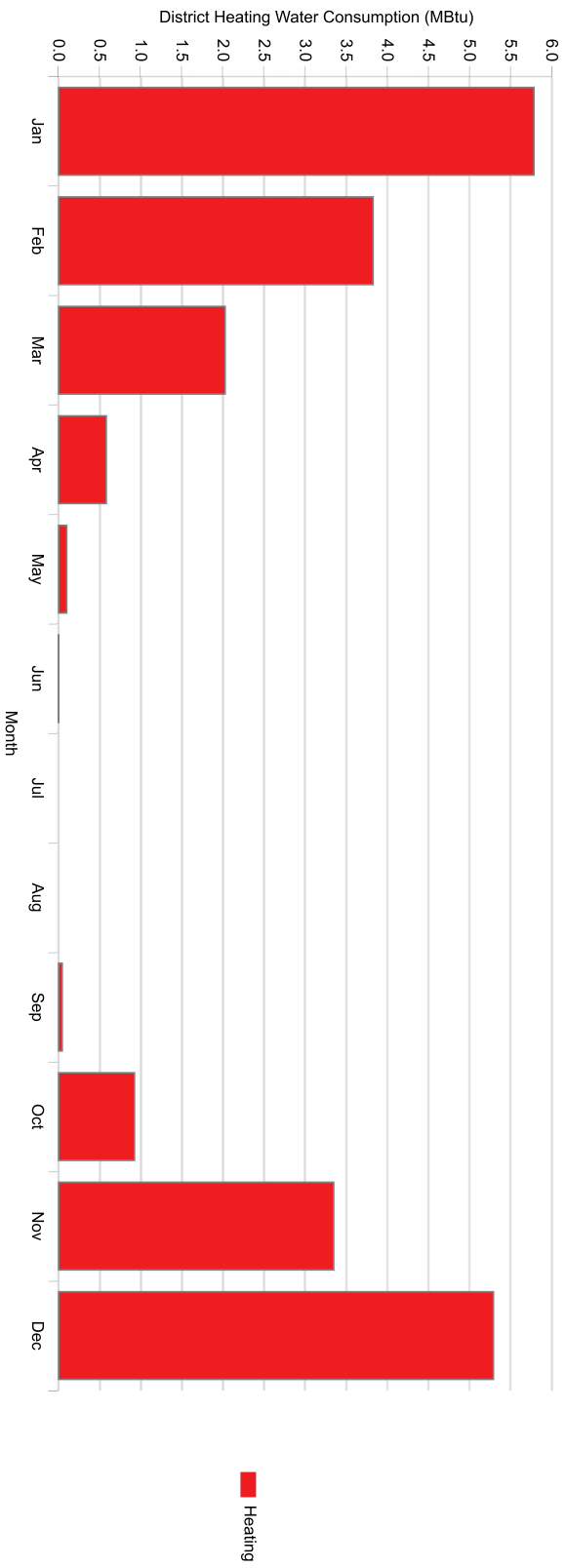
[Electricity Consumption \(kWh\) - view table](#)



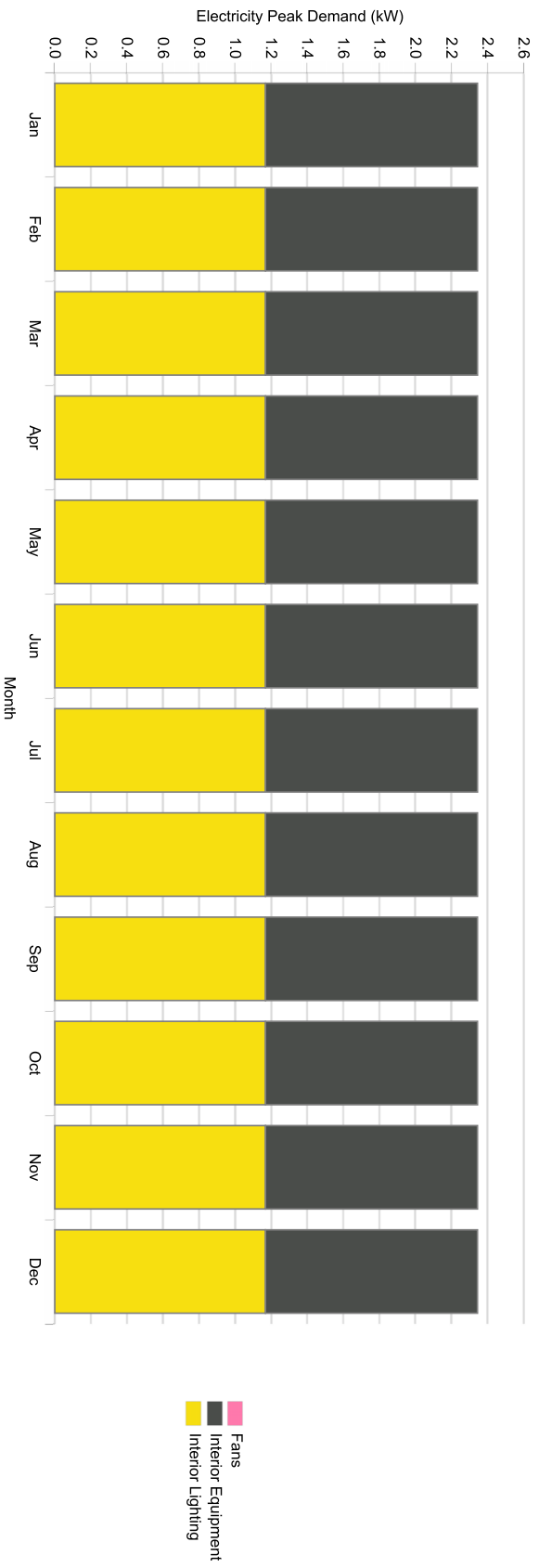
District Cooling Consumption (MBtu) - view table



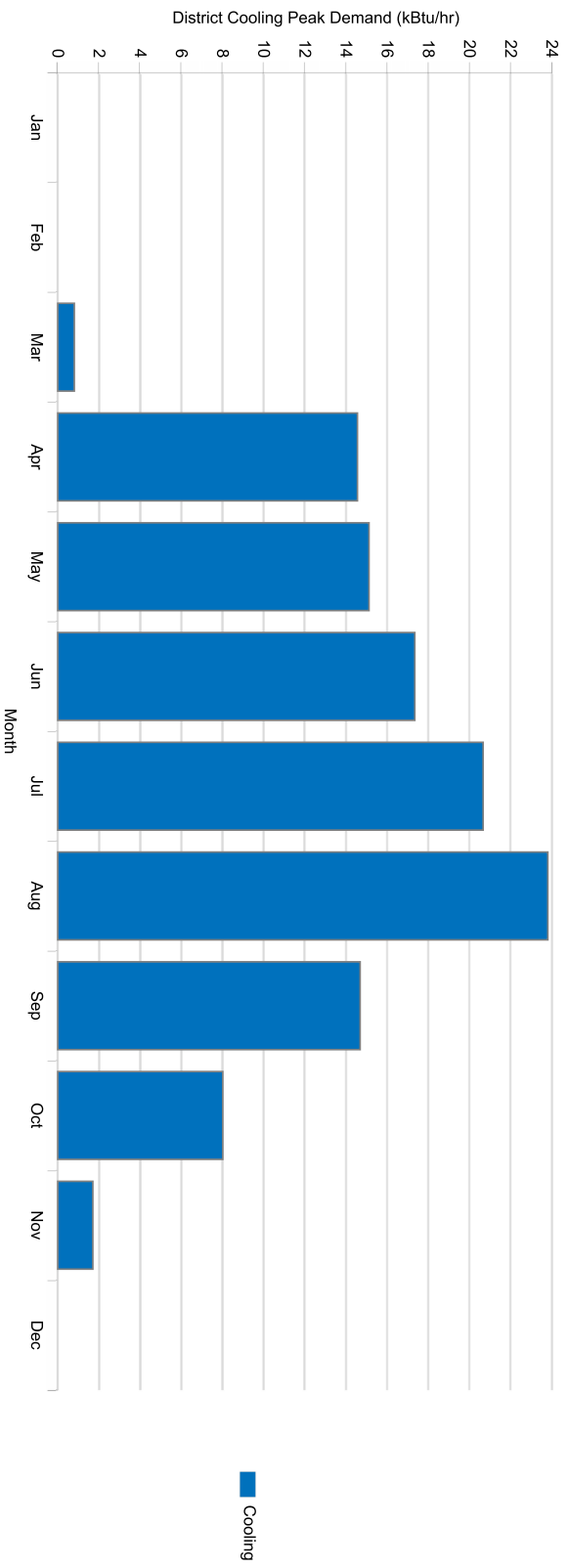
District Heating Water Consumption (MBtu) - view table



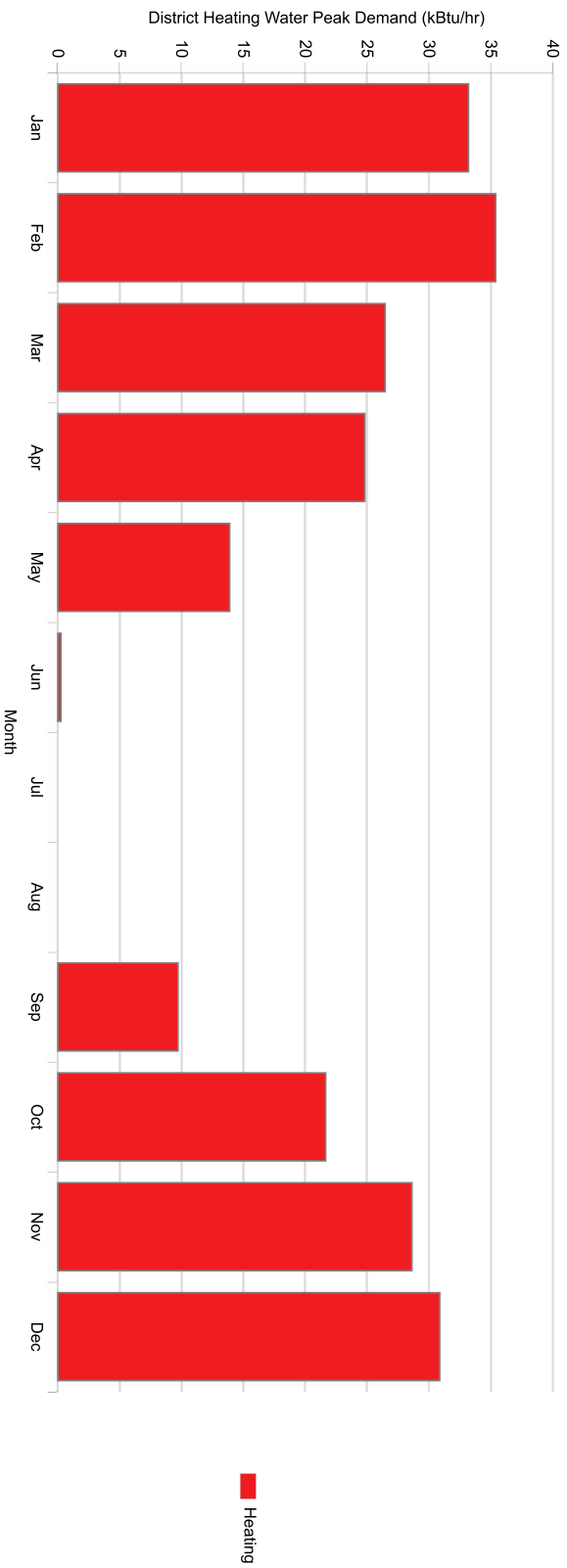
[Electricity Peak Demand \(kW\) - view table](#)



District Cooling Peak Demand (kBtu/hr) - view table



[District Heating Water Peak Demand \(kBtu/hr\) - view table](#)



# Utility Bills/Rates

No Data to Show for Utility Bills/Rates

## Envelope Summary

### Base Surface Constructions

| Construction   | Net Area (ft <sup>2</sup> ) | Surface Count | R Value (ft <sup>2</sup> h*R/Btu) |
|----------------|-----------------------------|---------------|-----------------------------------|
| CONSTR-DET1.0  | 1,310                       | 49            | 29.86                             |
| CONSTR-DET1.1  | 45                          | 4             | 11.22                             |
| CONSTR-DET1.2  | 194                         | 46            | 12.74                             |
| CONSTR-DET13.1 | 1,518                       | 1             | 16.92                             |
| CONSTR-DET2.1  | 116                         | 34            | 13.02                             |

|                |     |    |       |  |  |
|----------------|-----|----|-------|--|--|
| CONSTR-DET3.1  | 113 | 31 | 1.62  |  |  |
| CONSTR-DET4.1  | 324 | 17 | 15.12 |  |  |
| CONSTR-DET4.1A | 24  | 2  | 0.40  |  |  |
| CONSTR-DET8.1A | 614 | 1  | 79.45 |  |  |
| ExtRoof-1      | 614 | 1  | 28.79 |  |  |
| ExtWall        | 1   | 1  | 18.90 |  |  |

Sub Surface Constructions

| Construction        | Net Area (ft <sup>2</sup> ) | Surface Count | U-factor (Btu/ft <sup>2</sup> *h*R) | SHGC | VLT  |
|---------------------|-----------------------------|---------------|-------------------------------------|------|------|
| D1-DUAL PANE LOW E  | 418                         | 10            | 0.28                                | 0.18 | 0.40 |
| D2-STEEL DOOR BLACK | 39                          | 1             |                                     | n/a  | n/a  |
| W1-DUAL PANE LOW E  | 580                         | 30            | 0.28                                | 0.18 | 0.40 |

Sub Surface Construction Details (Material Layers)

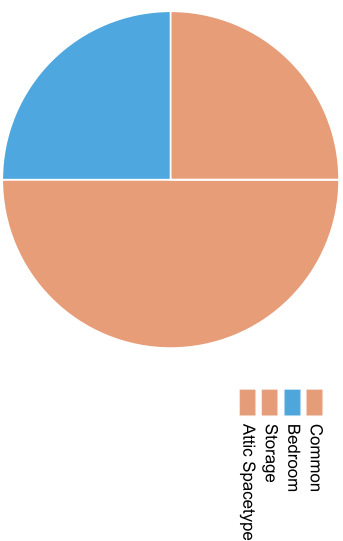
| Material Name   |
|---|
| <i>(Material Layers In Construction 'D1-DUAL PANE LOW E:')</i>  |
| DUAL PANE LOW E   |
| <i>(Material Layers In Construction 'D2-STEEL DOOR BLACK:')</i> |
| STEEL DOOR  |
| <i>(Material Layers In Construction 'W1-DUAL PANE LOW E:')</i>  |
| DUAL PANE LOW E   |

Window-to-Wall and Skylight-to-Roof area Ratios

| Description                           | Total (%) | North (%) | East (%) | South (%) | West (%) |
|---------------------------------------|-----------|-----------|----------|-----------|----------|
| Gross Window-Wall Ratio               | 24.52     | 28.69     | 25.7     | 28.79     | 20.04    |
| Gross Window-Wall Ratio (Conditioned) | 34.03     | 40.29     | 36.09    | 37.49     | 28.14    |
| Skylight-Roof Ratio                   | 0.0       |           |          |           |          |

# Space Type Breakdown

Space Type Breakdown - view table



# Space Type Summary

Attic SpaceType  
(3 spaces and 2 thermal zones)

| Definition                | Value  | Unit                 | Inst. Multiplier |
|---------------------------|--------|----------------------|------------------|
| Building Infiltration-3 1 | 0.1700 | cfm/ floor area ft^2 |                  |

Bedroom  
(1 spaces and 1 thermal zones)

| Definition  | Value  | Unit  | Inst. Multiplier |
|---|--------|---|------------------|
| Internal Mass Definition 1                                  | 8      | ft <sup>2</sup> /floor area ft <sup>2</sup> | 1.0              |
| Bedroom People Definition                                   | 300    | ft <sup>2</sup> /person                     | 1.0              |
| Bedroom Electric Equipment Definition                       | 0.6000 | W/ft <sup>2</sup>                           | 1.0              |
| Bedroom Lights Definition                                   | 0.5000 | W/ft <sup>2</sup>                           | 1.0              |
| Building Infiltration-1                                     | 0.1700 | cfm/ floor area ft <sup>2</sup>             |                  |
| WSECR M1505.4.3(1) 3000-35000 3Bdr (outdoor air method Sum) | 0.0140 | cfm/ floor area ft <sup>2</sup>             |                  |
| WSECR M1505.4.3(1) 3000-35000 3Bdr (outdoor air method Sum) | 0.0140 | cfm   |                  |

Common  
(2 spaces and 2 thermal zones)

| Definition  | Value  | Unit  | Inst. Multiplier |
|---|--------|---|------------------|
| Internal Mass Definition 1                                  | 8      | ft <sup>2</sup> /floor area ft <sup>2</sup> | 1.0              |
| Common People Definition                                    | 720    | ft <sup>2</sup> /person                     | 1.0              |
| Common Electric Equipment Definition                        | 0.8000 | W/ft <sup>2</sup>                           | 1.0              |
| Common Lights Definition                                    | 0.7800 | W/ft <sup>2</sup>                           | 1.0              |
| Building Infiltration-2                                     | 0.1700 | cfm/ floor area ft <sup>2</sup>             |                  |
| WSECR M1505.4.3(1) 3000-35000 3Bdr (outdoor air method Sum) | 0.0140 | cfm/ floor area ft <sup>2</sup>             |                  |
| WSECR M1505.4.3(1) 3000-35000 3Bdr (outdoor air method Sum) | 0.0140 | cfm   |                  |

Storage  
(1 spaces and 1 thermal zones)

| Definition                 | Value  | Unit  | Inst. Multiplier |
|----------------------------|--------|---|------------------|
| Internal Mass Definition 1 | 8      | ft <sup>2</sup> /floor area ft <sup>2</sup> | 1.0              |
| Building Infiltration-3    | 0.1700 | cfm/ floor area ft <sup>2</sup>             |                  |

## Interior Lighting Summary

### Zone Lighting

| Lights                     | Zone | Lighting Power Density (W/ft <sup>2</sup> ) | Total Power (W) | Schedule Name    | Scheduled Hours/Week (hr) | Actual Load Hours/Week (hr) | Return Air Fraction | Annual Consumption (kWh) |
|----------------------------|------|---|-----------------|------------------|---------------------------|-----------------------------|---------------------|--------------------------|
| 1-LIVING COMMON LIGHTS     |      | 0.78  | 478.74          | LIGHTING-COMMON  | 59.85                     | 59.85                       | 0.0000              | 1494.44                  |
| 3-HALL 2 COMMON LIGHTS     |      | 0.78  | 478.74          | LIGHTING-COMMON  | 59.85                     | 59.85                       | 0.0000              | 1494.44                  |
| 2-BEDROOM 4 BEDROOM LIGHTS |      | 0.5   | 306.88          | LIGHTING-BEDROOM | 44.35                     | 44.34                       | 0.0000              | 708.33                   |

### Space Lighting Details

| Load Name   | Definition Name           | Load Type | Load (units)              | Multiplier | Total Load (W) |
|---|---------------------------|-----------|---------------------------|------------|----------------|
| (Space Name: '1-Living', Area: 614 ft <sup>2</sup> , Total LPD: 0.78 W/ft <sup>2</sup> )    |                           |           |                           |            |                |
| Common Lights   | Common Lights Definition  | Spacetype | 0.78 (W/ft <sup>2</sup> ) | 1          | 479            |
| (Space Name: '2-Bedroom 4', Area: 614 ft <sup>2</sup> , Total LPD: 0.5 W/ft <sup>2</sup> )  |                           |           |                           |            |                |
| Bedroom Lights  | Bedroom Lights Definition | Spacetype | 0.5 (W/ft <sup>2</sup> )  | 1          | 307            |
| (Space Name: 'B-Basement 1', Area: 614 ft <sup>2</sup> , Total LPD: 0.0 W/ft <sup>2</sup> ) |                           |           |                           |            |                |

|   |                          |           |                           |   |     |
|---|--------------------------|-----------|---------------------------|---|-----|
| -   | -                        | -         | -                         | - | -   |
| <b>(Space Name: '1-2 Plenum East', Area: 0 ft<sup>2</sup>, Total LPD: 0.0 W/ft<sup>2</sup>)</b>   |                          |           |                           |   |     |
| -   | -                        | -         | -                         | - | -   |
| <b>(Space Name: '1-2 Plenum East', Area: 614 ft<sup>2</sup>, Total LPD: 0.0 W/ft<sup>2</sup>)</b> |                          |           |                           |   |     |
| -   | -                        | -         | -                         | - | -   |
| <b>(Space Name: '3-Hall 2', Area: 614 ft<sup>2</sup>, Total LPD: 0.78 W/ft<sup>2</sup>)</b>       |                          |           |                           |   |     |
| Common Lights   | Common Lights Definition | SpaceType | 0.78 (W/ft <sup>2</sup> ) | 1 | 479 |
| <b>(Space Name: '2-3 Plenum East', Area: 614 ft<sup>2</sup>, Total LPD: 0.0 W/ft<sup>2</sup>)</b> |                          |           |                           |   |     |
| -   | -                        | -         | -                         | - | -   |

Lighting Controls Details

| Space Name | Control Name | Zone Controlled (type, fraction) | Illuminance Setpoint (fc) |
|------------|--------------|----------------------------------|---------------------------|
|------------|--------------|----------------------------------|---------------------------|

# Plug Loads Summary

Electric Plug Load Consumption

|  | Electricity Annual Value (kWh) |
|--|--------------------------------|
| InteriorEquipment:Electricity:Zone:TZ:1-LIVING         | 1741.67                        |
| General:InteriorEquipment:Electricity:Zone:TZ:1-LIVING | 1741.67                        |
| InteriorEquipment:Electricity:Zone:TZ:3-HALL 2         | 1741.67                        |
| General:InteriorEquipment:Electricity:Zone:TZ:3-HALL 2 | 1741.67                        |
| InteriorEquipment:Electricity:Zone:TZ:2-BEDROOM 4      | 1022.22                        |

General: Interior Equipment: Electricity: Zone: TZ-2-BEDROOM 4

1022.22

## Space-level Electric Plug Loads

| Equipment Name  | Definition                            | Load (units)             | Inheritance Level | Multiplier | Total Load (W) |
|---|---------------------------------------|--------------------------|-------------------|------------|----------------|
| (Space Name: 1-Living, Area: 614 ft <sup>2</sup> )    |                                       |                          |                   |            |                |
| Common Electric Equipment                             | Common Electric Equipment Definition  | 0.8 (W/ft <sup>2</sup> ) | spaceType         | 1.0        | 491            |
| (Space Name: 2-Bedroom 4, Area: 614 ft <sup>2</sup> ) |                                       |                          |                   |            |                |
| Bedroom Electric Equipment                            | Bedroom Electric Equipment Definition | 0.6 (W/ft <sup>2</sup> ) | spaceType         | 1.0        | 368            |
| (Space Name: 3-Hall 2, Area: 614 ft <sup>2</sup> )    |                                       |                          |                   |            |                |
| Common Electric Equipment                             | Common Electric Equipment Definition  | 0.8 (W/ft <sup>2</sup> ) | spaceType         | 1.0        | 491            |

## Exterior Lighting

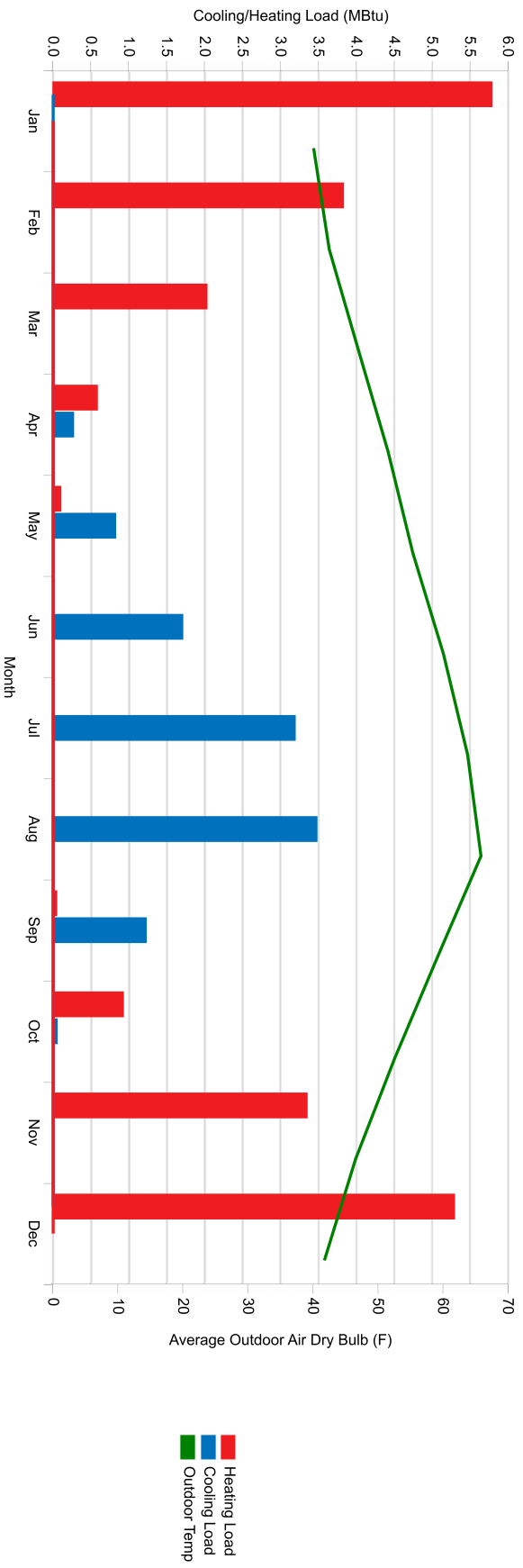
No Data to Show for Exterior Lighting

## Water Use Equipment

No Data to Show for Water Use Equipment

## HVAC Load Profiles

[Monthly Load Profiles - view table](#)



# Zone Conditions

Temperature (Table values represent hours spent in each temperature range)

| Zone               | Unmet Htg (hr) | Unmet Htg - Occ (hr) | < 56 (F) | 56-61 (F) | 61-66 (F) | 66-68 (F) | 68-70 (F) | 70-72 (F) | 72-74 (F) | 74-76 (F) | 76-78 (F) | 78-83 (F) | 83-88 (F) | >= 88 (F) | Unmet Cig (hr) | Unmet Cig - Occ (hr) | Mean Temp (F) |
|--------------------|----------------|----------------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------|----------------------|---------------|
| TZ-1-2 PLENUM EAST | 0              | 0                    | 3408     | 2018      | 1367      | 1135      | 369       | 243       | 108       | 79        | 33        | 0         | 0         | 0         | 0              | 0                    | 58.2 (F)      |
| TZ-1-LIVING        | 0              | 0                    | 0        | 0         | 0         | 1739      | 2664      | 617       | 732       | 1163      | 1845      | 0         | 0         | 0         | 0              | 0                    | 70.9 (F)      |
| TZ-2-3 PLENUM EAST | 0              | 0                    | 4088     | 1677      | 1159      | 865       | 282       | 238       | 179       | 103       | 121       | 42        | 6         | 0         | 0              | 0                    | 56.8 (F)      |
| TZ-2-BEDROOM 4     | 0              | 0                    | 0        | 0         | 0         | 1896      | 3148      | 449       | 648       | 1155      | 1464      | 0         | 0         | 0         | 0              | 0                    | 70.4 (F)      |
| TZ-3-HALL 2        | 0              | 0                    | 0        | 0         | 0         | 1647      | 2606      | 634       | 850       | 1262      | 1761      | 0         | 0         | 0         | 0              | 0                    | 71.0 (F)      |

|               |   |   |      |      |      |      |     |   |   |   |   |   |   |   |   |   |   |   |          |
|---------------|---|---|------|------|------|------|-----|---|---|---|---|---|---|---|---|---|---|---|----------|
| TZ-B-BASEMENT | 0 | 0 | 1321 | 3282 | 1737 | 2054 | 366 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60.9 (F) |
|---------------|---|---|------|------|------|------|-----|---|---|---|---|---|---|---|---|---|---|---|----------|

Humidity (Table values represent hours spent in each Humidity range)

| Zone               | < 30 (%) | 30-35 (%) | 35-40 (%) | 40-45 (%) | 45-50 (%) | 50-55 (%) | 55-60 (%) | 60-65 (%) | 65-70 (%) | 70-75 (%) | 75-80 (%) | >= 80 (%) | Mean Relative Humidity (%) |
|--------------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------------|
| TZ-1-2 PLENUM EAST | 93       | 128       | 248       | 440       | 764       | 1259      | 1651      | 1745      | 1215      | 729       | 328       | 160       | 58.7 (%)                   |
| TZ-1-LIVING        | 1160     | 1323      | 2342      | 2220      | 1075      | 412       | 190       | 31        | 7         | 0         | 0         | 0         | 38.9 (%)                   |
| TZ-2-3 PLENUM EAST | 77       | 83        | 254       | 401       | 594       | 827       | 1148      | 1359      | 1675      | 1266      | 726       | 350       | 62.1 (%)                   |
| TZ-2-BEDROOM 4     | 1413     | 1413      | 2074      | 1861      | 1214      | 505       | 222       | 51        | 7         | 0         | 0         | 0         | 38.7 (%)                   |
| TZ-3-HALL 2        | 1210     | 1317      | 2335      | 2176      | 1122      | 418       | 145       | 32        | 5         | 0         | 0         | 0         | 38.7 (%)                   |
| TZ-B-BASEMENT      | 162      | 191       | 315       | 946       | 1368      | 1604      | 1821      | 1205      | 714       | 299       | 96        | 39        | 53.9 (%)                   |

# Zone Overview

Zone Summary

|                    | Area (ft^2) | Conditioned (Y/N) | Part of Total Floor Area (Y/N) | Volume (ft^3) | Multiplier | Above Ground Gross Wall Area (ft^2) | Underground Gross Wall Area (ft^2) | Window Glass Area (ft^2) | Lighting (W/ft^2) | People (ft^2/person) | Plug and Process (W/ft^2) |
|--------------------|-------------|-------------------|--------------------------------|---------------|------------|-------------------------------------|------------------------------------|--------------------------|-------------------|----------------------|---------------------------|
| TZ-1-2 PLENUM EAST | 613.76      | No                | No                             | 834.49        | 1.00       | 149.73                              | 0.0                                | 0.0                      | 0.0               | 0.0                  | 0.0                       |
| TZ-1-LIVING        | 613.76      | Yes               | Yes                            | 5217.04       | 1.00       | 936.14                              | 0.0                                | 355.53                   | 0.78              | 720.0                | 0.8                       |
| TZ-2-3 PLENUM EAST | 613.76      | No                | No                             | 476.39        | 1.00       | 85.47                               | 0.0                                | 0.0                      | 0.0               | 0.0                  | 0.0                       |

|                     |         |     |     |          |      |         |        |        |      |        |      |
|---------------------|---------|-----|-----|----------|------|---------|--------|--------|------|--------|------|
| TZ-2-BEDROOM 4      | 613.76  | Yes | Yes | 5217.04  | 1.00 | 936.03  | 0.0    | 319.69 | 0.5  | 299.99 | 0.6  |
| TZ-3-HALL 2         | 613.76  | Yes | Yes | 5709.32  | 1.00 | 1024.51 | 0.0    | 310.32 | 0.78 | 720.0  | 0.8  |
| TZ-B-BASEMENT       | 613.76  | No  | Yes | 5217.04  | 1.00 | 22.17   | 913.96 | 11.95  | 0.0  | 0.0    | 0.0  |
| Total               | 2455.03 |     |     | 21360.43 |      | 2918.85 | 913.96 | 997.6  | 0.51 | 654.55 | 0.55 |
| Conditioned Total   | 1841.27 |     |     | 16143.39 |      | 2896.68 | 0.0    | 985.54 | 0.69 | 490.94 | 0.73 |
| Unconditioned Total | 613.76  |     |     | 5217.04  |      | 22.17   | 913.96 | 11.95  | 0.0  | 0.0    | 0.0  |
| Not Part of Total   | 1227.52 |     |     | 1310.53  |      | 235.19  | 0.0    | 0.0    | 0.0  | 0.0    | 0.0  |

Zone Sensible Cooling and Heating Sensible Sizing

|                | Heating/Cooling | Calculated Design Load | Design Load With Sizing Factor | Calculated Design Air Flow (ft <sup>3</sup> /min) | Design Air Flow With Sizing Factor (ft <sup>3</sup> /min) | Date/Time Of Peak | Outdoor Temperature at Peak Load (F) | Outdoor Humidity Ratio at Peak Load (lbWater/lbAir) |
|----------------|-----------------|------------------------|--------------------------------|---|---|-------------------|--------------------------------------|---|
| TZ-1-LIVING    | Cooling         | 0.81 (ton)             | 0.93 (ton)                     | 504.29  | 580.57  | 8/21 16:10:00     | 83.55                                | 0.01  |
| TZ-1-LIVING    | Heating         | 12.7 (kBtu/h)          | 15.88 (kBtu/h)                 | 326.31  | 406.82  | 12/21 24:00:00    | 24.44                                | 0.0   |
| TZ-2-BEDROOM 4 | Cooling         | 0.8 (ton)              | 0.92 (ton)                     | 497.94  | 572.1   | 8/21 17:10:00     | 81.99                                | 0.01  |
| TZ-2-BEDROOM 4 | Heating         | 12.16 (kBtu/h)         | 15.2 (kBtu/h)                  | 311.48  | 389.87  | 12/21 24:00:00    | 24.44                                | 0.0   |
| TZ-3-HALL 2    | Cooling         | 0.89 (ton)             | 1.03 (ton)                     | 557.27  | 639.9   | 8/21 16:30:00     | 83.05                                | 0.01  |
| TZ-3-HALL 2    | Heating         | 12.12 (kBtu/h)         | 15.16 (kBtu/h)                 | 311.48  | 387.76  | 12/21 24:00:00    | 24.44                                | 0.0   |

## Zone Equipment Detail

No Data to Show for Zone Equipment Detail

## Air Loops Detail

No Data to Show for Air Loops Detail

## Plant Loops Detail

No Data to Show for Plant Loops Detail

## Outdoor Air

Average and Minimum Outdoor Air During Occupied Hours

|                | Average Number of Occupants | Nominal Number of Occupants | Zone Volume (ft <sup>3</sup> ) | Avg. Mechanical Ventilation (ach) | Min. Mechanical Ventilation (ach) | Avg. Infiltration (ach) | Min. Infiltration (ach) | Avg. Simple Ventilation (ach) | Min. Simple Ventilation (ach) |
|----------------|-----------------------------|-----------------------------|--------------------------------|-----------------------------------|-----------------------------------|-------------------------|-------------------------|-------------------------------|-------------------------------|
| TZ-1-LIVING    | 0.76                        | 0.85                        | 5217                           | 0.0                               | 0.0                               | 0.125                   | 0.001                   | 0.102                         | 0.003                         |
| TZ-2-BEDROOM 4 | 1.93                        | 2.05                        | 5217                           | 0.0                               | 0.0                               | 0.045                   | 0.001                   | 0.103                         | 0.003                         |
| TZ-3-HALL 2    | 0.76                        | 0.85                        | 5709                           | 0.0                               | 0.0                               | 0.114                   | 0.001                   | 0.094                         | 0.003                         |

## Cash Flow

No Data to Show for Cash Flow

## Site and Source Summary

Site and Source Energy

|                   | Total Energy (kBtu) | Energy Per Total Building Area (kBtu/ft <sup>2</sup> ) | Energy Per Conditioned Building Area (kBtu/ft <sup>2</sup> ) |
|-------------------|---------------------|--|--|
| Total Site Energy | 60195.9             | 24.5   | 32.7   |

|                     |          |      |      |
|---------------------|----------|------|------|
| Net Site Energy     | 60195.9  | 24.5 | 32.7 |
| Total Source Energy | 177772.6 | 72.4 | 96.5 |
| Net Source Energy   | 177772.6 | 72.4 | 96.5 |

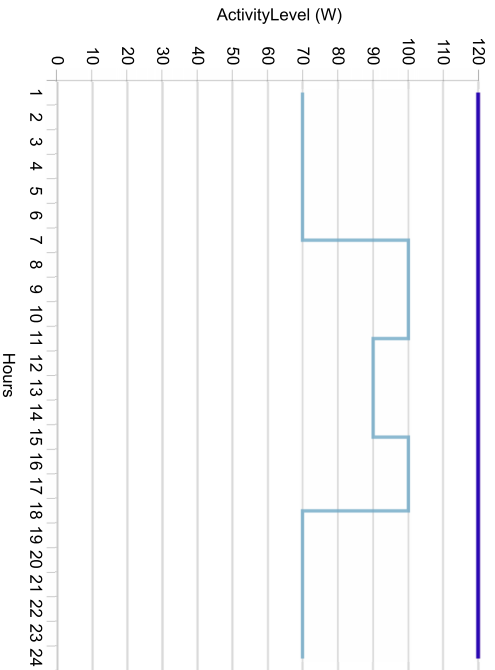
Site to Source Energy Conversion Factors

|                  | Site=>Source Conversion Factor |
|------------------|--------------------------------|
| Electricity      | 3.167                          |
| Natural Gas      | 1.084                          |
| District Cooling | 1.056                          |
| District Heating | 0.0                            |

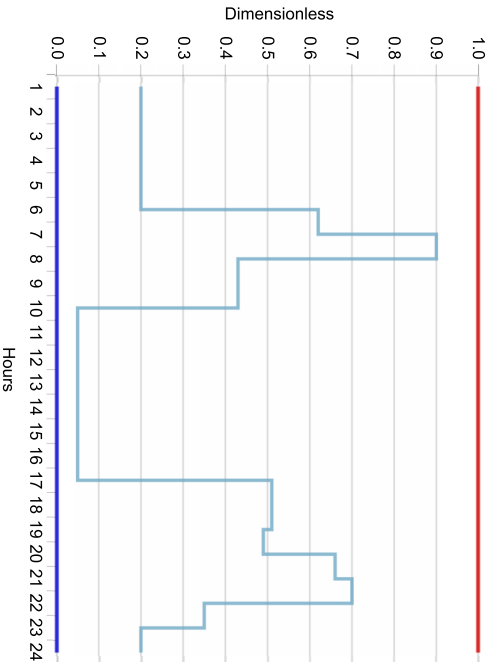
# Schedule Overview

[Schedule Overview - view table](#)

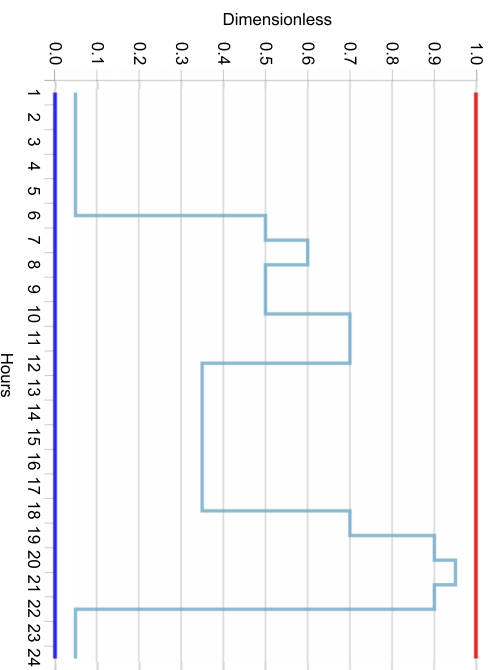
**Activity Main**  
■ summer design day  
■ winter design day  
■ default profile



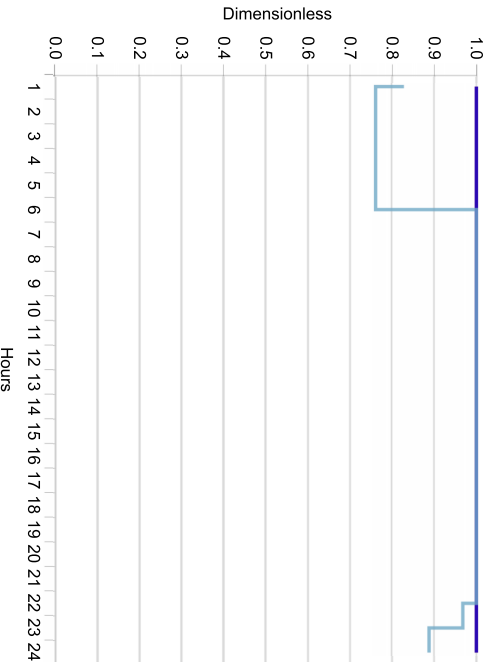
**Equipment-Bedroom**  
■ summer design day  
■ winter design day  
■ default profile



**Equipment-Common**  
■ summer design day  
■ winter design day  
■ default profile

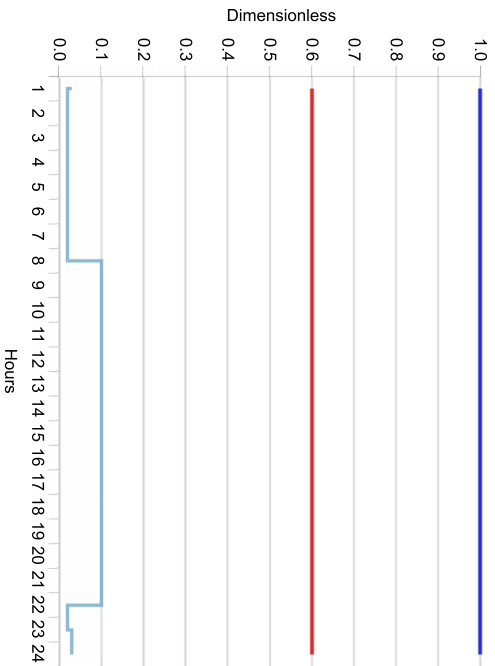


**Infiltration-Attic**  
■ summer design day  
■ winter design day  
■ default profile



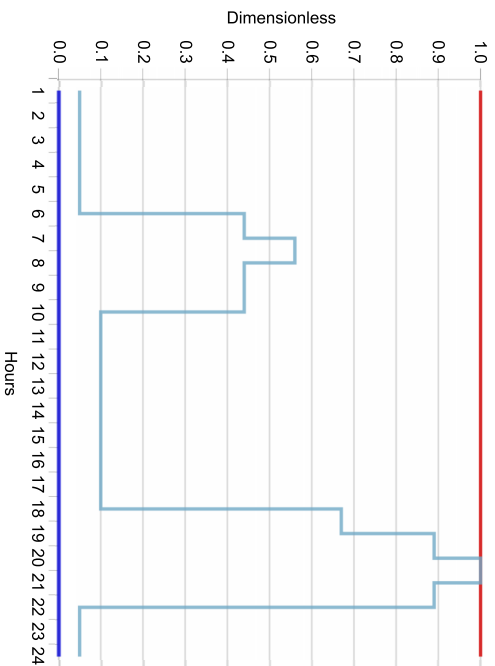
### Infiltration-Building

- summer design day
- winter design day
- default profile



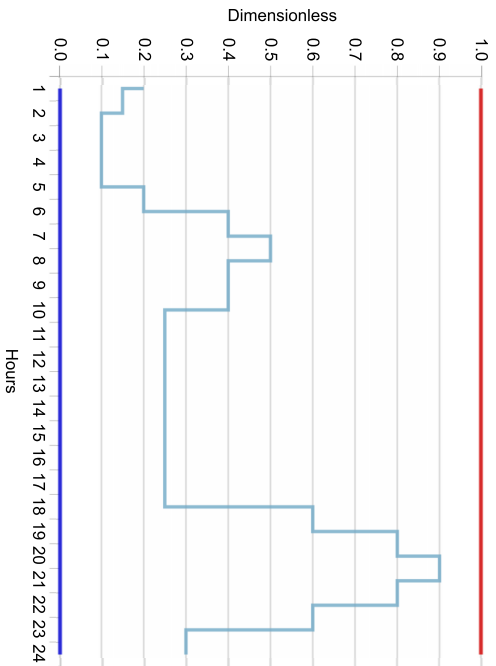
### Lighting-Bedroom

- summer design day
- winter design day
- default profile



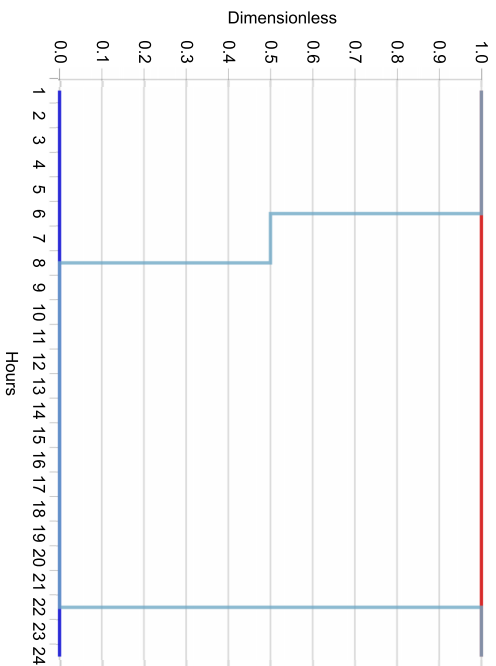
### Lighting-Common

- summer design day
- winter design day
- default profile



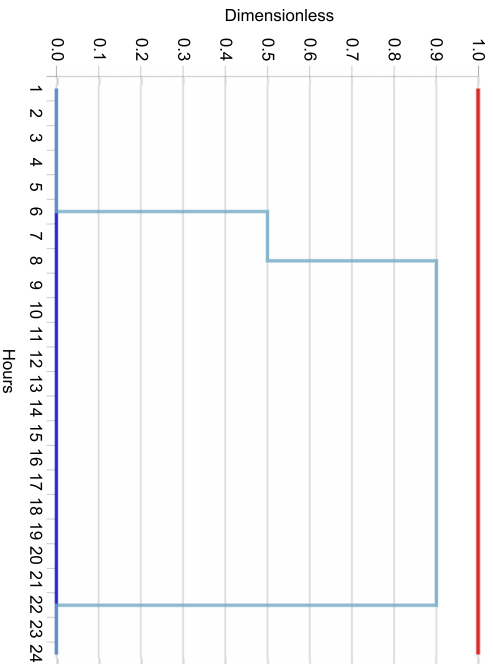
### Occupancy-Bedroom

- summer design day
- winter design day
- default profile



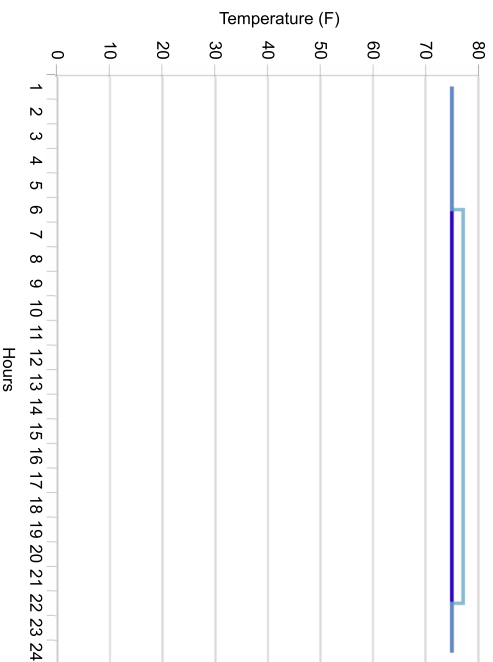
### Occupancy-Common

- summer design day
- winter design day
- default profile



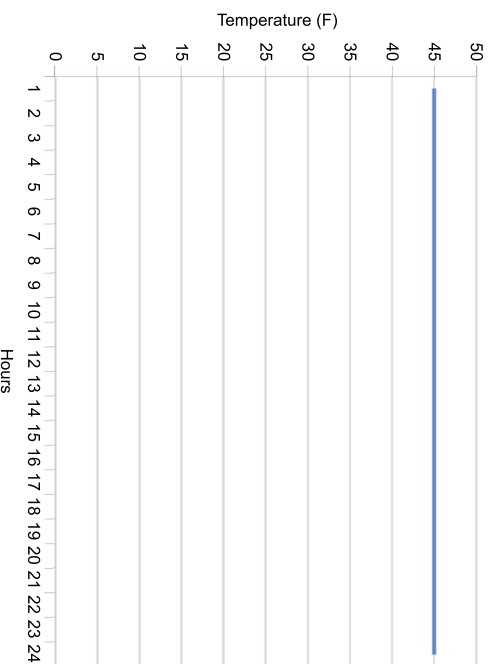
### Thermostat-CigSetp

- summer design day
- winter design day
- default profile



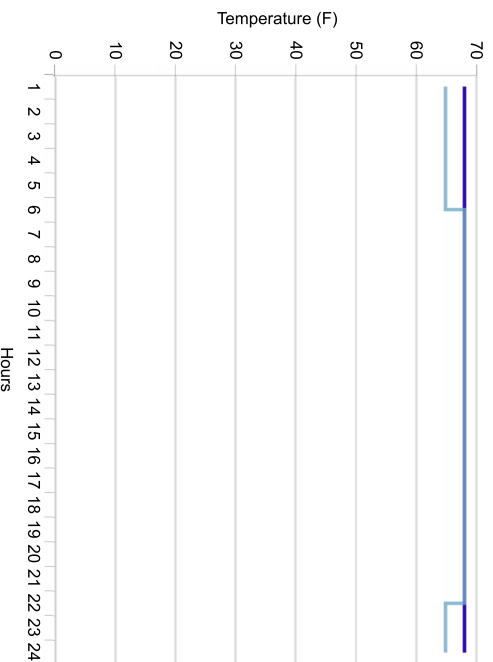
### Thermostat-FizProtect

- summer design day
- winter design day
- default profile



### Thermostat-HigSetp

- summer design day
- winter design day
- default profile



# Measure Warnings

## Measure Warning Summary

| Description                      | Count |
|----------------------------------|-------|
| Number of measures in workflow   | 2     |
| Number of measures with warnings | 0     |
| Total number of warnings         | 0     |