

OpenStudio Results

Model Summary

Building Summary

Information	Value	Units
Building Name	RESIDENTIAL BUILDING KENYA	building_name
Net Site Energy	457,919	kBtu
Total Building Area	4,483	ft^2
EUI (Based on Net Site Energy and Total Building Area)	102.14	kBtu/ft^2
OpenStudio Standards Building Type		

Weather Summary

	Value
Weather File	MOMBASA/MOI_INTL - KEN SWERA WMO#=638200
Latitude	-4.0
Longitude	39.62
Elevation	180 (ft)
Time Zone	3.00
North Axis Angle	0.00
ASHRAE Climate Zone	

Sizing Period Design Days

	Maximum Dry Bulb (F)	Daily Temperature Range (R)	Humidity Value	Humidity Type	Wind Speed (mph)	Wind Direction
MOMBASA/MOI_INTL ANN CLG .4% CONDNS DB=>MWB	91.4	13.14	77.36	Wetbulb [F]	11.63	90.0
MOMBASA/MOI_INTL ANN CLG .4% CONDNS DP=>MDB	82.04	13.14	77.54	Dewpoint [F]	11.63	90.0
MOMBASA/MOI_INTL ANN CLG .4% CONDNS ENTH=>MDB	86.54	13.14	35.47	Enthalpy [Btu/lb]	11.63	90.0
MOMBASA/MOI_INTL ANN CLG .4% CONDNS WB=>MDB	86.18	13.14	79.52	Wetbulb [F]	11.63	90.0
MOMBASA/MOI_INTL ANN HTG 99.6% CONDNS DB	67.82	0.0	67.82	Wetbulb [F]	4.47	240.0
MOMBASA/MOI_INTL ANN HTG WIND 99.6% CONDNS WS=>MCDB	79.16	0.0	79.16	Wetbulb [F]	21.92	240.0
MOMBASA/MOI_INTL ANN HUM_N 99.6% CONDNS DP=>MCDB	78.08	0.0	62.24	Dewpoint [F]	4.47	240.0

Unmet Hours Summary

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

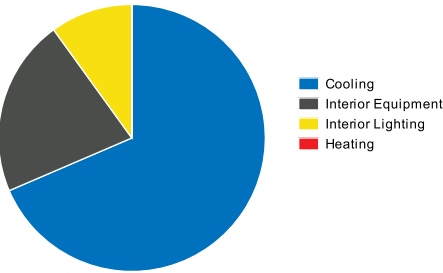
Unmet Hours Tolerance

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

Annual Overview

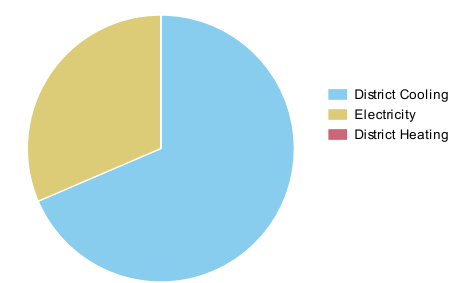
End Use - view table

End Use	Consumption (kBtu)
Heating	28
Cooling	313,889
Interior Lighting	45,581
Exterior Lighting	0
Interior Equipment	98,431
Exterior Equipment	0
Fans	0
Pumps	0
Heat Rejection	0
Humidification	0
Heat Recovery	0
Water Systems	0
Refrigeration	0
Generators	0



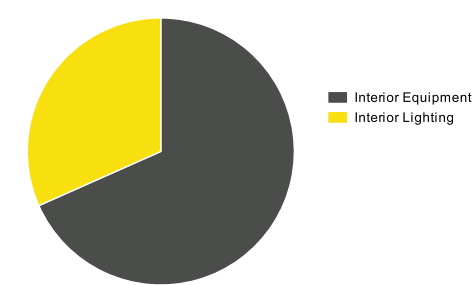
Energy Use - view table

Fuel	Consumption (kBtu)
Electricity	144,011
Natural Gas	0
Additional Fuel	0
District Cooling	313,889
District Heating	28



EUI - Electricity - view table

End Use	Consumption (kWh)
Heating	0
Cooling	0
Interior Lighting	13,358
Exterior Lighting	0
Interior Equipment	28,847
Exterior Equipment	0
Fans	0
Pumps	0
Heat Rejection	0
Humidification	0
Heat Recovery	0
Water Systems	0
Refrigeration	0
Generators	0

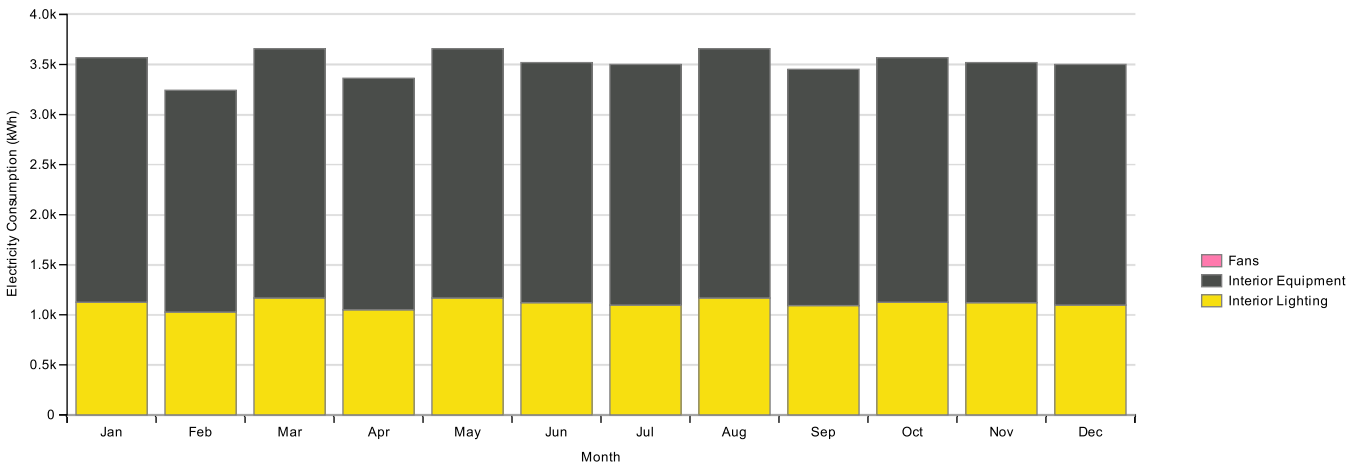


EUI - Gas - view table

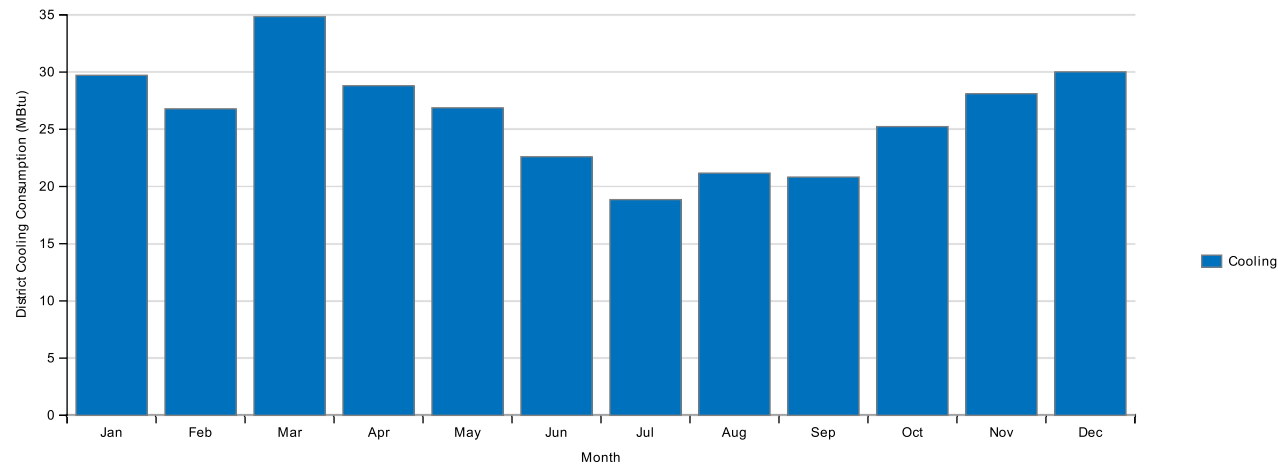
End Use	Consumption (therms)
Heating	0
Cooling	0
Interior Lighting	0
Exterior Lighting	0
Interior Equipment	0
Exterior Equipment	0
Fans	0
Pumps	0
Heat Rejection	0
Humidification	0
Heat Recovery	0
Water Systems	0

Monthly Overview

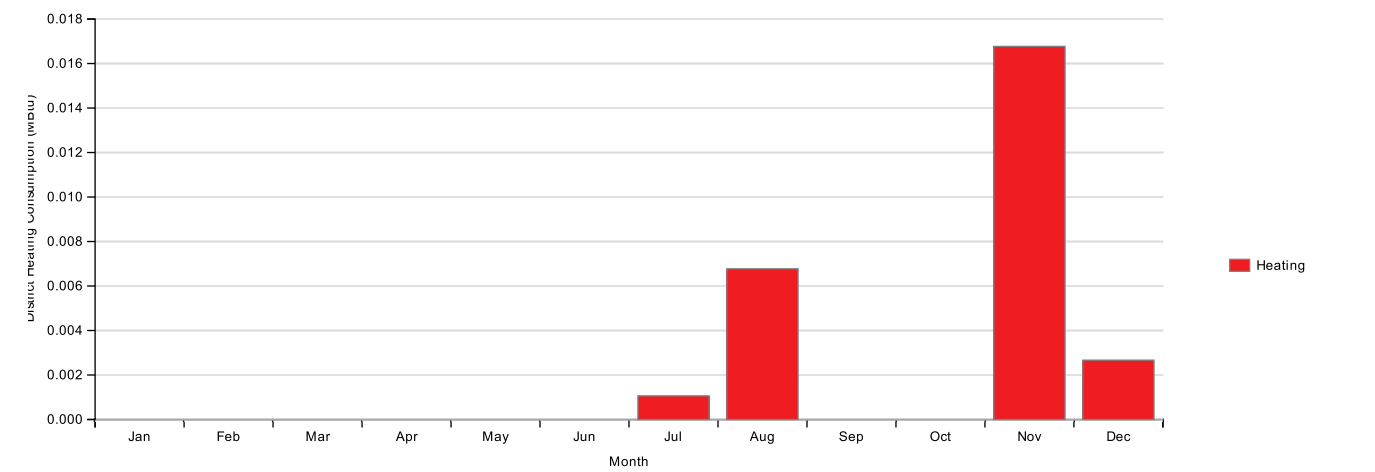
Electricity Consumption (kWh) - view table



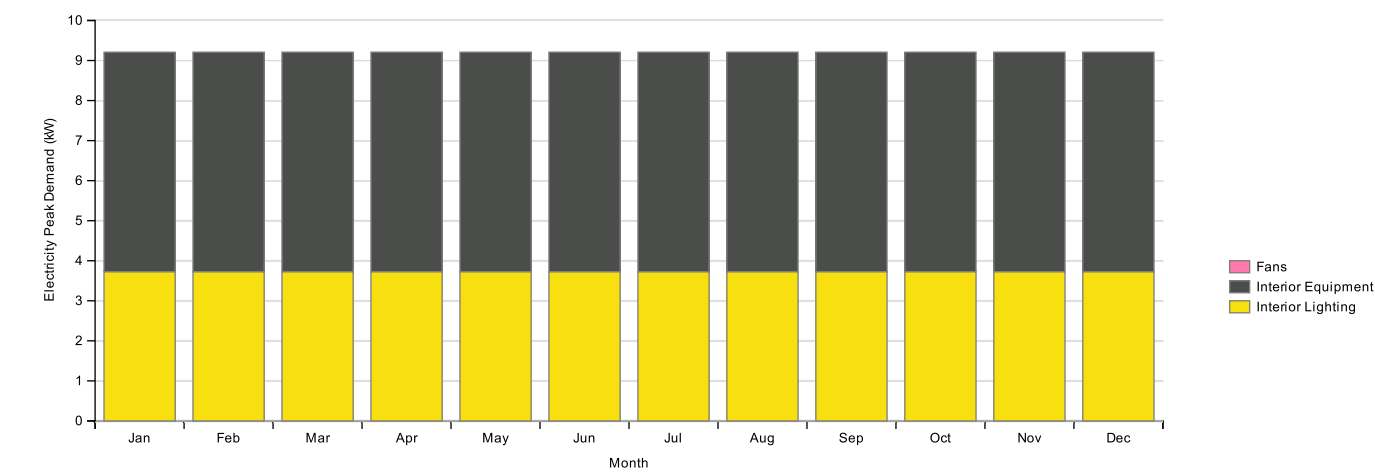
District Cooling Consumption (MBtu) - view table



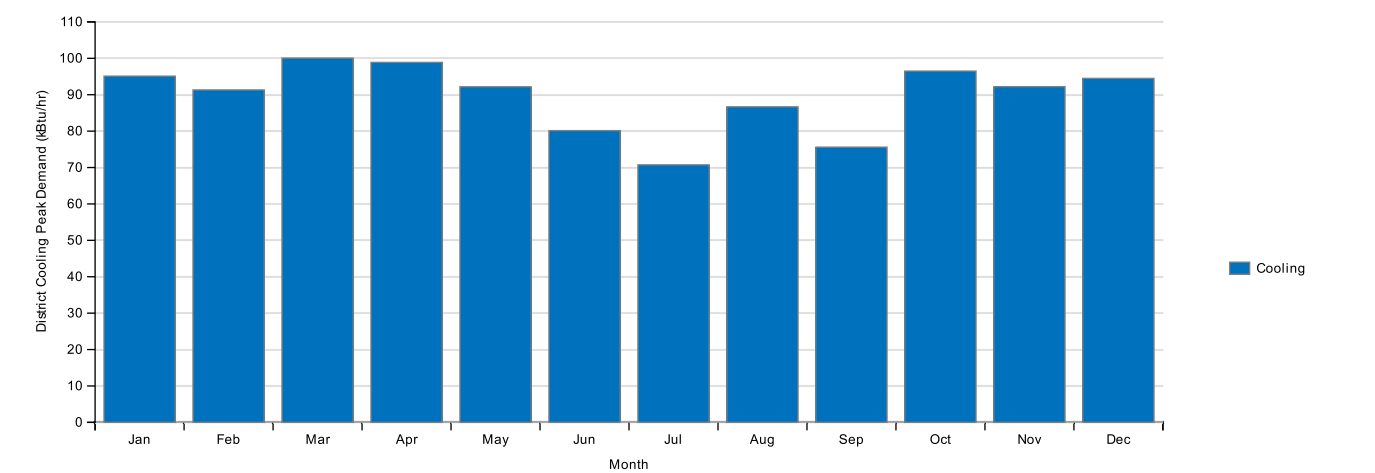
District Heating Consumption (MBtu) - view table



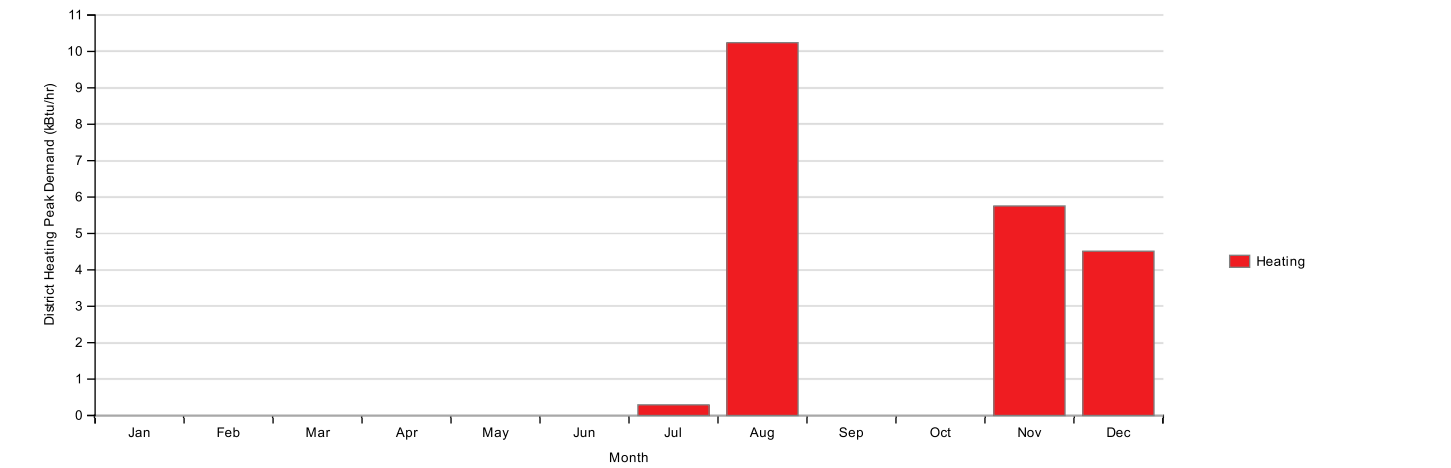
Electricity Peak Demand (kW) - view table



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



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



Utility Bills/Rates

No Data to Show for Utility Bills/Rates

Envelope

Base Surface Constructions

Construction	Net Area (ft^2)	Surface Count	R Value (ft^2*h*R/Btu)
ASHRAE 189.1-2009 ExtRoof IEAD ClimateZone 1	1,494	6	19.96
ASHRAE 189.1-2009 ExtWall Mass ClimateZone 1	4,348	33	5.76

Sub Surface Constructions

Construction	Area (ft^2)	Surface Count	U-Factor (Btu/ft^2*h*R)
ASHRAE 189.1-2009 ExtWindow ClimateZone 1	692	33	

WWR & Skylight Ratio

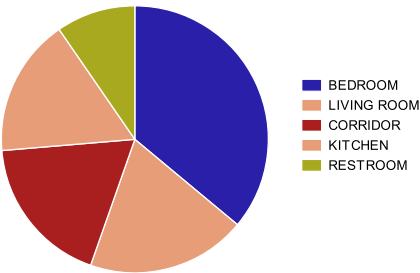
Description	Total (%)	North (%)	East (%)	South (%)	West (%)
Gross Window-Wall Ratio	13.73	11.99	7.38	23.03	8.27
Gross Window-Wall Ratio (Conditioned)	13.73	11.99	7.38	23.03	8.27
Skylight-Roof Ratio	0.0				

Space Type Breakdown

Space Type Breakdown - view table

Space Type Name	Floor Area (ft^2)	Standards Building Type	Standards Space Type
BEDROOM	1,616	Office	IT_Room
CORRIDOR	820	Office	Corridor
KITCHEN	750	Office	BreakRoom
LIVING ROOM	867	Office	Lobby

RESTROOM	430	Office	Restroom
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Space Type Summary

BEDROOM
(6 spaces and 6 thermal zones)

Definition	Value	Unit	Inst. Multiplier
189.1-2009 - Office - IT_Room - CZ1-3 People Definition	0.0050	people/ft^2	1.0
189.1-2009 - Office - IT_Room - CZ1-3 Electric Equipment Definition	1.5600	W/ft^2	1.0
189.1-2009 - Office - IT_Room - CZ1-3 Lights Definition	0.9900	W/ft^2	1.0
189.1-2009 - Office - IT_Room - CZ1-3 Infiltration	0.0595	cfm/ext surf area ft^2	
189.1-2009 - Office - IT_Room - CZ1-3 Ventilation (outdoor air method Sum)	0.0500	cfm/floor area ft^2	

CORRIDOR
(3 spaces and 3 thermal zones)

Definition	Value	Unit	Inst. Multiplier
189.1-2009 - Office - Corridor - CZ1-3 People Definition	0.0010	people/ft^2	1.0
189.1-2009 - Office - Corridor - CZ1-3 Electric Equipment Definition	0.1600	W/ft^2	1.0
189.1-2009 - Office - Corridor - CZ1-3 Lights Definition	0.4500	W/ft^2	1.0
189.1-2009 - Office - Corridor - CZ1-3 Infiltration	0.0595	cfm/ext surf area ft^2	
189.1-2009 - Office - Corridor - CZ1-3 Ventilation (outdoor air method Sum)	0.0500	cfm/floor area ft^2	

KITCHEN
(3 spaces and 3 thermal zones)

Definition	Value	Unit	Inst. Multiplier
189.1-2009 - Office - BreakRoom - CZ1-3 People Definition	0.0500	people/ft^2	1.0
189.1-2009 - Office - BreakRoom - CZ1-3 Electric Equipment Definition	4.4600	W/ft^2	1.0
189.1-2009 - Office - BreakRoom - CZ1-3 Lights Definition	1.0800	W/ft^2	1.0
189.1-2009 - Office - BreakRoom - CZ1-3 Infiltration	0.0595	cfm/ext surf area ft^2	
189.1-2009 - Office - BreakRoom - CZ1-3 Ventilation (outdoor air method Sum)	15.0000	cfm/person	

LIVING ROOM
(3 spaces and 3 thermal zones)

Definition	Value	Unit	Inst. Multiplier
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189.1-2009 - Office - Lobby - CZ1-3 People Definition	0.0100	people/ft^2	1.0
189.1-2009 - Office - Lobby - CZ1-3 Electric Equipment Definition	0.0700	W/ft^2	1.0
189.1-2009 - Office - Lobby - CZ1-3 Lights Definition	1.1700	W/ft^2	1.0
189.1-2009 - Office - Lobby - CZ1-3 Infiltration	0.0595	cfm/ext surf area ft^2	
189.1-2009 - Office - Lobby - CZ1-3 Ventilation (outdoor air method Sum)	15.0000	cfm/person	

RESTROOM

(3 spaces and 3 thermal zones)

Definition	Value	Unit	Inst. Multiplier
189.1-2009 - Office - Restroom - CZ1-3 People Definition	0.0100	people/ft^2	1.0
189.1-2009 - Office - Restroom - CZ1-3 Electric Equipment Definition	0.0700	W/ft^2	1.0
189.1-2009 - Office - Restroom - CZ1-3 Lights Definition	0.8100	W/ft^2	1.0
189.1-2009 - Office - Restroom - CZ1-3 Infiltration	0.0595	cfm/ext surf area ft^2	
189.1-2009 - Office - Restroom - CZ1-3 Ventilation (outdoor air method Sum)	0.9600	cfm/floor area ft^2	

Interior Lighting Summary

Interior Lighting Summary

	Zone	Lighting Power Density (W/ft^2)	Total Power (W)	Schedule Name	Scheduled Hours/Week (hr)	Actual Load Hours/Week (hr)	Return Air Fraction	Consumption (kWh)
BEDROOM 1 1F 189.1-2009 - OFFICE - IT_ROOM - CZ1-3 LIGHTS	BEDROOM 1 1F	0.99	262.94	OFFICE BLDG LIGHT	61.85	61.85	0.0000	847.22
BEDROOM 1 2F 189.1-2009 - OFFICE - IT_ROOM - CZ1-3 LIGHTS	BEDROOM 1 2F	0.99	262.94	OFFICE BLDG LIGHT	61.85	61.85	0.0000	847.22
BEDROOM 1 GF 189.1-2009 - OFFICE - IT_ROOM - CZ1-3 LIGHTS	BEDROOM 1 GF	0.99	262.94	OFFICE BLDG LIGHT	61.85	61.85	0.0000	847.22
BEDROOM 2 1F 189.1-2009 - OFFICE - IT_ROOM - CZ1-3 LIGHTS	BEDROOM 2 1F	0.99	270.35	OFFICE BLDG LIGHT	61.85	61.85	0.0000	872.22
BEDROOM 2 2F 189.1-2009 - OFFICE - IT_ROOM - CZ1-3 LIGHTS	BEDROOM 2 2F	0.99	270.35	OFFICE BLDG LIGHT	61.85	61.85	0.0000	872.22
BEDROOM 2 GF 189.1-2009 - OFFICE - IT_ROOM - CZ1-3 LIGHTS	BEDROOM 2 GF	0.99	270.35	OFFICE BLDG LIGHT	61.85	61.85	0.0000	872.22
CORRIDOR 1F 189.1-2009 - OFFICE - CORRIDOR - CZ1-3 LIGHTS	CORRIDOR 1F	0.45	122.96	OFFICE BLDG LIGHT	61.85	61.85	0.0000	397.22
CORRIDOR 2F 189.1-2009 - OFFICE - CORRIDOR - CZ1-3 LIGHTS	CORRIDOR 2F	0.45	122.96	OFFICE BLDG LIGHT	61.85	61.85	0.0000	397.22
CORRIDOR GF 189.1-2009 - OFFICE - CORRIDOR - CZ1-3 LIGHTS	CORRIDOR GF	0.45	122.96	OFFICE BLDG LIGHT	61.85	61.85	0.0000	397.22
KITCHEN 1F 189.1-2009 - OFFICE - BREAKROOM - CZ1-3 LIGHTS	KITCHEN 1F	1.08	270.17	OFFICE BLDG LIGHT	61.85	61.85	0.0000	872.22
KITCHEN 2F 189.1-2009 - OFFICE - BREAKROOM - CZ1-3 LIGHTS	KITCHEN 2F	1.08	270.17	OFFICE BLDG LIGHT	61.85	61.85	0.0000	872.22

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KITCHEN GF 189.1-2009 - OFFICE - BREAKROOM - CZ1-3 LIGHTS	KITCHEN GF	1.08	270.17	OFFICE BLDG LIGHT	61.85	61.85	0.0000	872.22
LIVING ROOM 1F 189.1-2009 - OFFICE - LOBBY - CZ1-3 LIGHTS	LIVING ROOM 1F	1.17	338.02	OFFICE BLDG LIGHT	61.85	61.85	0.0000	1088.89
LIVING ROOM 2F 189.1-2009 - OFFICE - LOBBY - CZ1-3 LIGHTS	LIVING ROOM 2F	1.17	338.02	OFFICE BLDG LIGHT	61.85	61.85	0.0000	1088.89
LIVING ROOM GF 189.1-2009 - OFFICE - LOBBY - CZ1-3 LIGHTS	LIVING ROOM GF	1.17	338.02	OFFICE BLDG LIGHT	61.85	61.85	0.0000	1088.89
RESTROOM 1F 189.1-2009 - OFFICE - RESTROOM - CZ1-3 LIGHTS	RESTROOM 1F	0.81	116.22	OFFICE BLDG LIGHT	61.85	61.85	0.0000	375.0
RESTROOM 2F 189.1-2009 - OFFICE - RESTROOM - CZ1-3 LIGHTS	RESTROOM 2F	0.81	116.22	OFFICE BLDG LIGHT	61.85	61.85	0.0000	375.0
RESTROOM GF 189.1-2009 - OFFICE - RESTROOM - CZ1-3 LIGHTS	RESTROOM GF	0.81	116.22	OFFICE BLDG LIGHT	61.85	61.85	0.0000	375.0

Plug Loads Summary

Electric Plug Load Consumption

	Electricity Annual Value (kWh)
InteriorEquipment:Electricity:Zone:BEDROOM 1 1F	1963.89
InteriorEquipment:Electricity:Zone:BEDROOM 1 2F	1963.89
InteriorEquipment:Electricity:Zone:BEDROOM 1 GF	1963.89
InteriorEquipment:Electricity:Zone:BEDROOM 2 1F	2016.67
InteriorEquipment:Electricity:Zone:BEDROOM 2 2F	2016.67
InteriorEquipment:Electricity:Zone:BEDROOM 2 GF	2016.67
InteriorEquipment:Electricity:Zone:CORRIDOR 1F	208.33
InteriorEquipment:Electricity:Zone:CORRIDOR 2F	208.33
InteriorEquipment:Electricity:Zone:CORRIDOR GF	208.33
InteriorEquipment:Electricity:Zone:KITCHEN 1F	5283.33
InteriorEquipment:Electricity:Zone:KITCHEN 2F	5283.33
InteriorEquipment:Electricity:Zone:KITCHEN GF	5283.33
InteriorEquipment:Electricity:Zone:LIVING ROOM 1F	94.44
InteriorEquipment:Electricity:Zone:LIVING ROOM 2F	94.44
InteriorEquipment:Electricity:Zone:LIVING ROOM GF	94.44
InteriorEquipment:Electricity:Zone:RESTROOM 1F	47.22
InteriorEquipment:Electricity:Zone:RESTROOM 2F	47.22
InteriorEquipment:Electricity:Zone:RESTROOM GF	47.22

Exterior Lighting

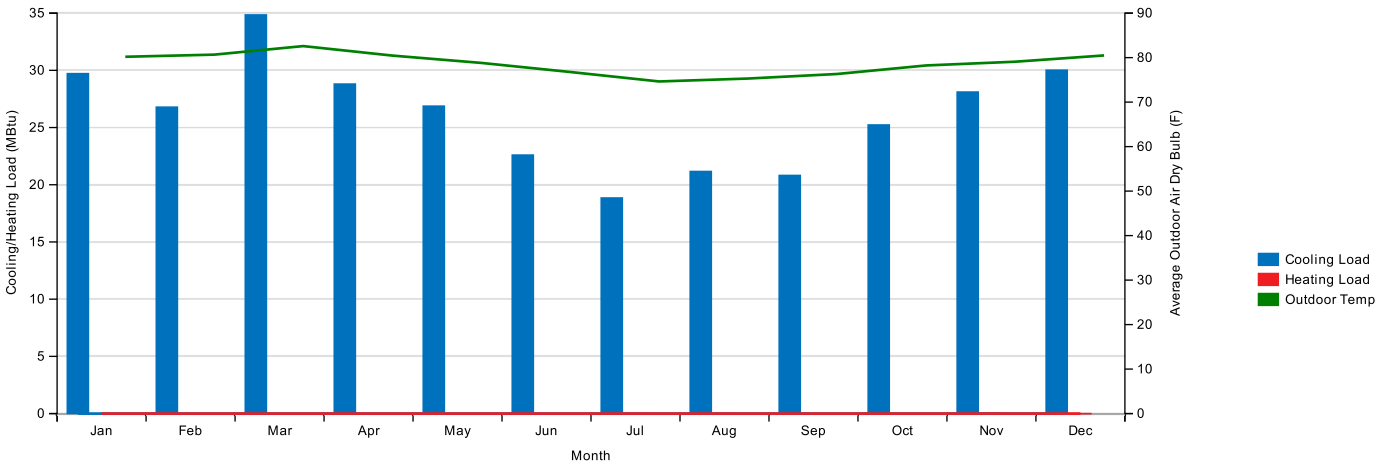
No Data to Show for Exterior Lighting

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)	>= 88 (F)	Unmet Clg (hr)	Unmet Clg - Occ (hr)	Mean Temp (F)
BEDROOM 1 1F	0	0	0	0	0	0	0	3	4	4795	402	3556	0	0	0	77.1 (F)
BEDROOM 1 2F	0	0	0	0	0	0	0	5	6	4798	356	3595	0	0	0	77.2 (F)
BEDROOM 1 GF	0	0	0	0	0	3	8	13	546	6249	1558	383	0	0	0	75.5 (F)
BEDROOM 2 1F	0	0	0	0	0	0	0	0	6	4794	105	3855	0	0	0	77.2 (F)
BEDROOM 2 2F	0	0	0	0	0	0	0	4	4	4794	107	3851	0	0	0	77.3 (F)
BEDROOM 2 GF	0	0	0	0	0	1	9	10	314	6615	1556	255	0	0	0	75.5 (F)
CORRIDOR 1F	0	0	0	0	0	0	0	7	13	5071	1741	1928	0	0	0	76.5 (F)
CORRIDOR 2F	0	0	0	0	0	0	3	5	12	4976	1302	2462	0	0	0	76.7 (F)
CORRIDOR GF	0	0	0	0	2	8	18	839	3027	4673	189	4	0	0	0	74.0 (F)
KITCHEN 1F	0	0	0	0	0	0	0	0	0	4784	0	3976	0	0	0	77.4 (F)
KITCHEN 2F	0	0	0	0	0	0	0	0	0	4784	5	3971	0	0	0	77.4 (F)
KITCHEN GF	0	0	0	0	0	0	0	0	3	4850	1137	2770	0	0	0	76.7 (F)
LIVING ROOM 1F	0	0	0	0	0	0	0	0	10	4922	1016	2812	0	0	0	76.8 (F)
LIVING ROOM 2F	0	0	0	0	0	0	0	5	7	4900	821	3027	0	0	0	76.9 (F)
LIVING ROOM GF	0	0	0	0	0	4	11	276	1459	6345	612	53	0	0	0	74.8 (F)
RESTROOM 1F	0	0	0	4	8	7	7	49	466	5627	1226	1366	0	0	0	75.9 (F)
RESTROOM 2F	0	0	0	4	7	8	7	36	358	5578	1172	1590	0	0	0	76.1 (F)
RESTROOM GF	0	0	0	5	15	7	87	569	1321	5665	708	383	0	0	0	74.8 (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 (%)	>= 80 (%)	Mean Relative Humidity (%)
BEDROOM 1 1F	5	1	14	62	3178	1017	693	772	1091	1214	559	58.5 (%)
BEDROOM 1 2F	5	2	12	50	2981	1034	808	669	1041	1391	629	59.2 (%)
BEDROOM 1 GF	3	2	1	22	1307	948	849	714	501	401	538	70.7 (%)
BEDROOM 2 1F	5	3	9	68	3097	1088	745	895	1243	1145	380	58.1 (%)
BEDROOM 2 2F	5	2	10	57	2901	1130	795	775	1275	1336	414	58.8 (%)
BEDROOM 2 GF	3	2	0	22	1030	1037	894	751	586	405	539	71.1 (%)
CORRIDOR 1F	4	1	2	28	668	1230	1310	1289	762	764	1144	66.3 (%)
CORRIDOR 2F	4	1	6	33	709	1287	1320	1389	690	739	1171	65.7 (%)
CORRIDOR GF	0	2	2	1	8	23	23	208	548	643	659	87.8 (%)
KITCHEN 1F	4	6	63	1554	1343	1775	1554	2290	169	2	0	53.5 (%)
KITCHEN 2F	5	5	28	127	478	1644	3438	2897	136	2	0	57.4 (%)
KITCHEN GF	0	5	3	18	35	118	652	3167	1659	1129	1140	68.0 (%)
LIVING ROOM 1F	5	1	8	25	660	1581	1458	1450	763	1023	1131	63.7 (%)
LIVING ROOM 2F	5	2	6	28	613	1576	1479	1447	782	1040	1167	63.8 (%)
LIVING ROOM GF	3	1	1	2	21	32	93	1492	1452	684	569	79.5 (%)
RESTROOM 1F	5	1	6	12	12	21	42	148	620	1491	1602	80.4 (%)
RESTROOM 2F	5	1	6	13	12	21	49	164	704	1608	1702	79.5 (%)
RESTROOM GF	3	3	4	5	15	12	22	73	263	856	1320	86.0 (%)

Zone Overview

Zone Summary

	Area (ft^2)	Conditioned (Y/N)	Part of Total Floor Area (Y/N)	Volume (ft^3)	Multiplier	Gross Wall Area (ft^2)	Window Glass Area (ft^2)	Lighting (W/ft^2)	People (ft^2/person)	Plug and Process (W/ft^2)
BEDROOM 1 1F	265.55	Yes	Yes	2656.02	1.00	370.71	59.74	0.99	199.99	1.56
BEDROOM 1 2F	265.55	Yes	Yes	2656.02	1.00	370.71	59.74	0.99	199.99	1.56
BEDROOM 1 GF	265.55	Yes	Yes	2656.02	1.00	370.71	59.74	0.99	199.99	1.56
BEDROOM 2 1F	273.08	Yes	Yes	2730.88	1.00	334.65	24.22	0.99	199.99	1.56
BEDROOM 2 2F	273.08	Yes	Yes	2730.88	1.00	334.65	24.22	0.99	199.99	1.56
BEDROOM 2 GF	273.08	Yes	Yes	2730.88	1.00	334.65	24.22	0.99	199.99	1.56
CORRIDOR 1F	273.3	Yes	Yes	2732.3	1.00	200.1	43.27	0.45	999.97	0.16

CORRIDOR 2F	273.3	Yes	Yes	2732.3	1.00	200.1	43.27	0.45	999.97	0.16
CORRIDOR GF	273.3	Yes	Yes	2732.3	1.00	200.1	43.27	0.45	999.97	0.16
KITCHEN 1F	250.15	Yes	Yes	2501.69	1.00	183.74	43.59	1.08	20.02	4.46
KITCHEN 2F	250.15	Yes	Yes	2501.69	1.00	183.74	43.59	1.08	20.02	4.46
KITCHEN GF	250.15	Yes	Yes	2501.69	1.00	183.74	43.59	1.08	20.02	4.46
LIVING ROOM 1F	288.9	Yes	Yes	2889.09	1.00	488.9	38.75	1.17	100.0	0.07
LIVING ROOM 2F	288.9	Yes	Yes	2889.09	1.00	488.9	38.75	1.17	100.0	0.07
LIVING ROOM GF	288.9	Yes	Yes	2889.09	1.00	488.9	38.75	1.17	100.0	0.07
RESTROOM 1F	143.48	Yes	Yes	1434.83	1.00	101.72	20.99	0.81	100.0	0.07
RESTROOM 2F	143.48	Yes	Yes	1434.83	1.00	101.72	20.99	0.81	100.0	0.07
RESTROOM GF	143.48	Yes	Yes	1434.83	1.00	101.72	20.99	0.81	100.0	0.07
Total	4483.38			44833.74		5039.34	691.69	0.92	75.46	1.36
Conditioned Total	4483.38			44833.74		5039.34	691.69	0.92	75.46	1.36
Unconditioned Total	0.0			0.0		0.0	0.0	0.0	0.0	0.0
Not Part of Total	0.0			0.0		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 ³ /min)	Design Air Flow With Sizing Factor (ft ³ /min)	Date/Time Of Peak	Outdoor Temperature at Peak Load (F)	Outdoor Humidity Ratio at Peak Load (lbWater/lbAir)
BEDROOM 1 1F	Cooling	0.38 (ton)	0.44 (ton)	235.2	269.1	3/21 15:15:00	91.2	0.02
BEDROOM 1 1F	Heating	0.48 (kBtu/h)	0.59 (kBtu/h)	12.71	16.95	7/21 19:00:00	67.82	0.01
BEDROOM 1 2F	Cooling	0.42 (ton)	0.48 (ton)	254.27	292.41	3/21 16:00:00	90.61	0.02
BEDROOM 1 2F	Heating	0.56 (kBtu/h)	0.69 (kBtu/h)	14.83	19.07	7/21 19:00:00	67.82	0.01
BEDROOM 1 GF	Cooling	0.27 (ton)	0.31 (ton)	167.39	192.82	3/21 15:15:00	91.2	0.02
BEDROOM 1 GF	Heating	0.82 (kBtu/h)	1.02 (kBtu/h)	21.19	27.55	7/21 19:00:00	67.82	0.01
BEDROOM 2 1F	Cooling	0.35 (ton)	0.4 (ton)	211.89	243.67	3/21 15:45:00	90.81	0.02
BEDROOM 2 1F	Heating	0.41 (kBtu/h)	0.51 (kBtu/h)	10.59	12.71	7/21 19:00:00	67.82	0.01
BEDROOM 2 2F	Cooling	0.38 (ton)	0.44 (ton)	235.2	269.1	3/21 17:00:00	89.56	0.02
BEDROOM 2 2F	Heating	0.49 (kBtu/h)	0.61 (kBtu/h)	12.71	16.95	7/21 19:00:00	67.82	0.01
BEDROOM 2 GF	Cooling	0.25 (ton)	0.29 (ton)	152.56	173.75	3/21 15:45:00	90.81	0.02
BEDROOM 2 GF	Heating	0.76 (kBtu/h)	0.96 (kBtu/h)	21.19	25.43	7/21 19:00:00	67.82	0.01

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OpenStudio Results

CORRIDOR 1F	Cooling	0.21 (ton)	0.24 (ton)	129.25	148.32	3/21 17:30:00	88.9	0.02
CORRIDOR 1F	Heating	0.37 (kBtu/h)	0.46 (kBtu/h)	10.59	12.71	7/21 19:00:00	67.82	0.01
CORRIDOR 2F	Cooling	0.26 (ton)	0.3 (ton)	156.8	180.1	3/21 17:45:00	88.57	0.02
CORRIDOR 2F	Heating	0.46 (kBtu/h)	0.58 (kBtu/h)	12.71	14.83	7/21 19:00:00	67.82	0.01
CORRIDOR GF	Cooling	0.09 (ton)	0.11 (ton)	55.09	63.57	3/21 17:30:00	88.9	0.02
CORRIDOR GF	Heating	0.78 (kBtu/h)	0.97 (kBtu/h)	21.19	25.43	7/21 19:00:00	67.82	0.01
KITCHEN 1F	Cooling	0.96 (ton)	1.1 (ton)	586.93	673.8	3/21 15:00:00	91.4	0.02
KITCHEN 1F	Heating	0.3 (kBtu/h)	0.38 (kBtu/h)	8.48	188.58	7/21 19:00:00	67.82	0.01
KITCHEN 2F	Cooling	0.99 (ton)	1.14 (ton)	606.0	697.11	3/21 15:15:00	91.2	0.02
KITCHEN 2F	Heating	0.38 (kBtu/h)	0.47 (kBtu/h)	10.59	188.58	7/21 19:00:00	67.82	0.01
KITCHEN GF	Cooling	0.85 (ton)	0.98 (ton)	523.36	601.76	3/21 15:00:00	91.4	0.02
KITCHEN GF	Heating	0.64 (kBtu/h)	0.79 (kBtu/h)	16.95	188.58	7/21 19:00:00	67.82	0.01
LIVING ROOM 1F	Cooling	0.34 (ton)	0.39 (ton)	209.77	241.55	3/21 15:30:00	91.0	0.02
LIVING ROOM 1F	Heating	0.48 (kBtu/h)	0.6 (kBtu/h)	12.71	42.38	7/21 19:00:00	67.82	0.01
LIVING ROOM 2F	Cooling	0.38 (ton)	0.44 (ton)	233.08	269.1	3/21 17:15:00	89.24	0.02
LIVING ROOM 2F	Heating	0.57 (kBtu/h)	0.71 (kBtu/h)	14.83	42.38	7/21 19:00:00	67.82	0.01
LIVING ROOM GF	Cooling	0.23 (ton)	0.27 (ton)	141.96	163.15	3/21 15:30:00	91.0	0.02
LIVING ROOM GF	Heating	0.84 (kBtu/h)	1.05 (kBtu/h)	23.31	42.38	7/21 19:00:00	67.82	0.01
RESTROOM 1F	Cooling	0.3 (ton)	0.34 (ton)	182.22	209.77	3/21 15:00:00	91.4	0.02
RESTROOM 1F	Heating	0.48 (kBtu/h)	0.6 (kBtu/h)	12.71	137.73	7/21 19:00:00	67.82	0.01
RESTROOM 2F	Cooling	0.32 (ton)	0.36 (ton)	192.82	222.48	3/21 15:15:00	91.2	0.02
RESTROOM 2F	Heating	0.53 (kBtu/h)	0.66 (kBtu/h)	14.83	137.73	7/21 19:00:00	67.82	0.01
RESTROOM GF	Cooling	0.25 (ton)	0.28 (ton)	150.44	171.63	3/21 15:00:00	91.4	0.02
RESTROOM GF	Heating	0.68 (kBtu/h)	0.85 (kBtu/h)	19.07	137.73	7/21 19:00:00	67.82	0.01

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^3)	Avg. Mechanical Ventilation (ach)	Min. Mechanical Ventilation (ach)	Avg. Infiltration (ach)	Min. Infiltration (ach)	Avg. Simple Ventilation (ach)	Min. Simple Ventilation (ach)
BEDROOM 1 1F	0.51	1.33	2656	0.0	0.0	0.161	0.002	0.298	0.006
BEDROOM 1 2F	0.51	1.33	2656	0.0	0.0	0.277	0.004	0.298	0.006
BEDROOM 1 GF	0.51	1.33	2656	0.0	0.0	0.161	0.002	0.298	0.006
BEDROOM 2 1F	0.53	1.37	2731	0.0	0.0	0.141	0.002	0.298	0.006
BEDROOM 2 2F	0.53	1.37	2731	0.0	0.0	0.257	0.004	0.298	0.006
BEDROOM 2 GF	0.53	1.37	2731	0.0	0.0	0.141	0.002	0.298	0.006
CORRIDOR 1F	0.15	0.27	2732	0.0	0.0	0.084	0.001	0.298	0.006
CORRIDOR 2F	0.15	0.27	2732	0.0	0.0	0.2	0.003	0.298	0.006
CORRIDOR GF	0.15	0.27	2732	0.0	0.0	0.084	0.001	0.297	0.006
KITCHEN 1F	4.81	12.51	2502	0.0	0.0	0.085	0.001	1.317	0.005
KITCHEN 2F	4.81	12.51	2502	0.0	0.0	0.2	0.003	1.317	0.005
KITCHEN GF	4.81	12.51	2502	0.0	0.0	0.085	0.001	1.316	0.005
LIVING ROOM 1F	1.11	2.89	2889	0.0	0.0	0.195	0.003	0.263	0.001
LIVING ROOM 2F	1.11	2.89	2889	0.0	0.0	0.311	0.005	0.263	0.001
LIVING ROOM GF	1.11	2.89	2889	0.0	0.0	0.195	0.003	0.263	0.001
RESTROOM 1F	0.55	1.43	1435	0.0	0.0	0.082	0.001	5.713	0.113
RESTROOM 2F	0.55	1.43	1435	0.0	0.0	0.197	0.003	5.714	0.113
RESTROOM GF	0.55	1.43	1435	0.0	0.0	0.081	0.001	5.708	0.113

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^2)	Energy Per Conditioned Building Area (kBtu/ft^2)
Total Site Energy	457918.9	102.1	102.1
Net Site Energy	457918.9	102.1	102.1
Total Source Energy	787531.8	175.7	175.7
Net Source Energy	787531.8	175.7	175.7

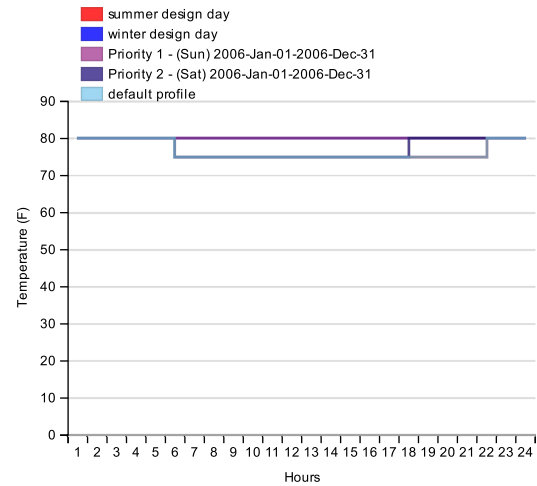
Site to Source Energy Conversion Factors

	Site=>Source Conversion Factor
Electricity	3.167
Natural Gas	1.084
District Cooling	1.056
District Heating	3.613

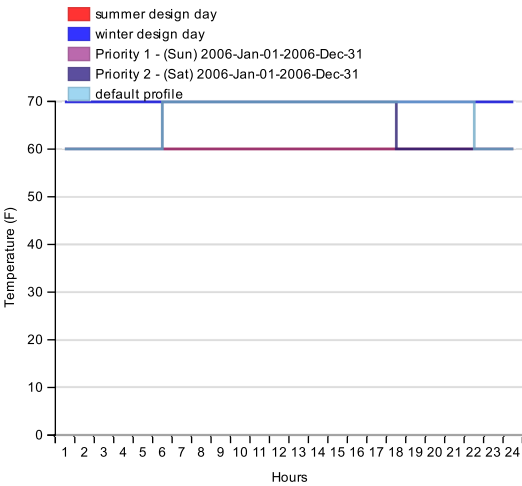
Schedule Overview

Schedule Overview - view table

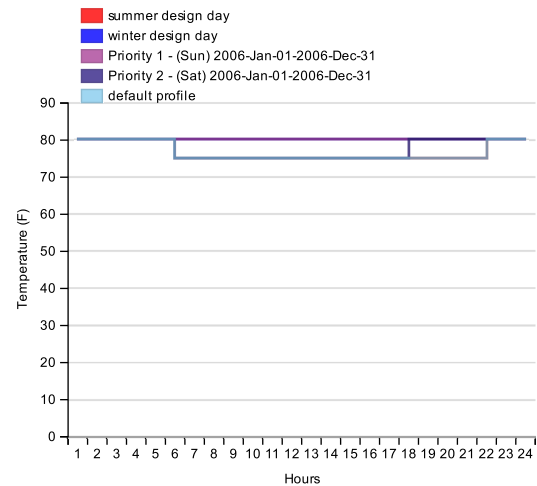
Large Office ClgSetp



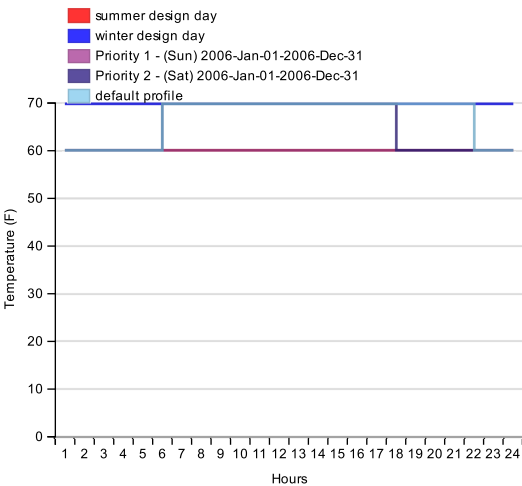
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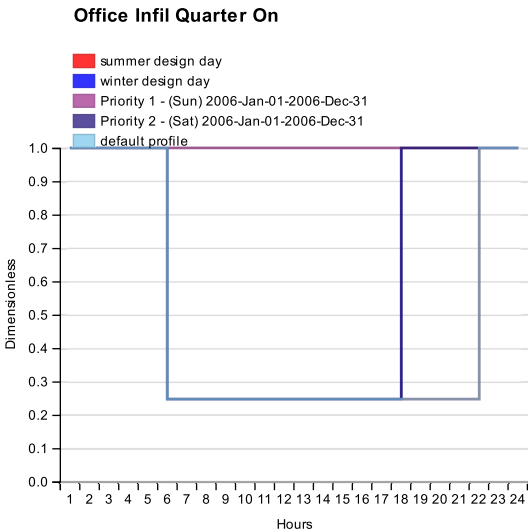
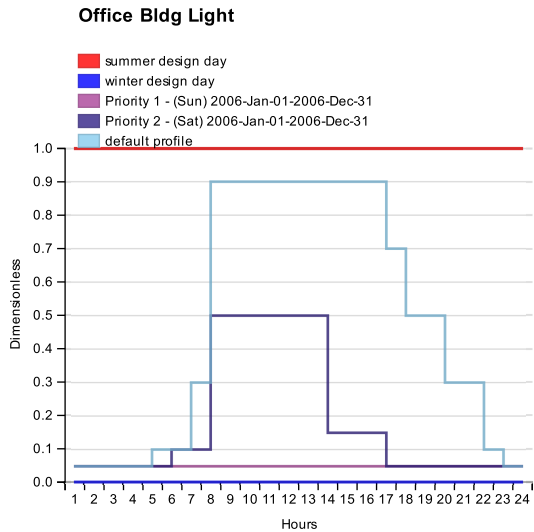
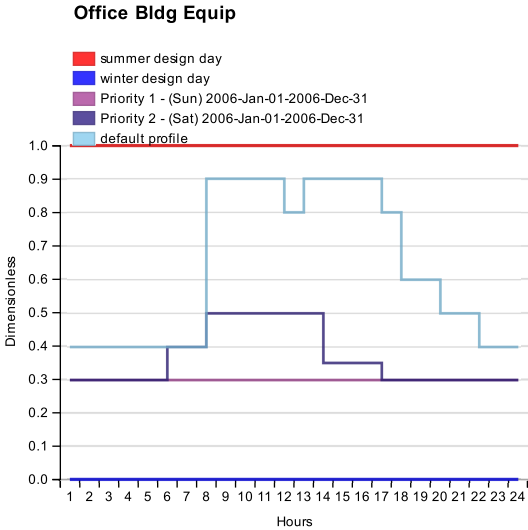
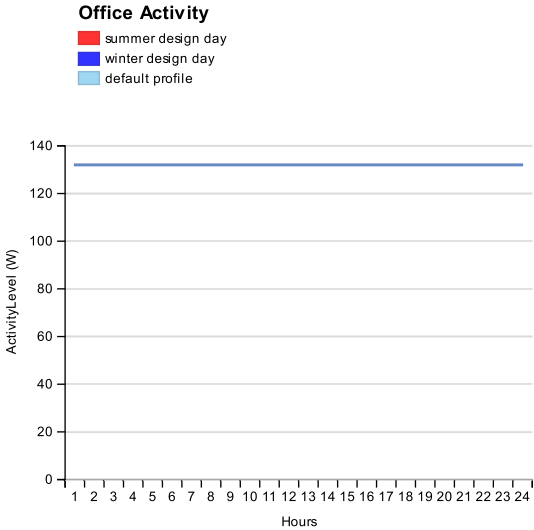


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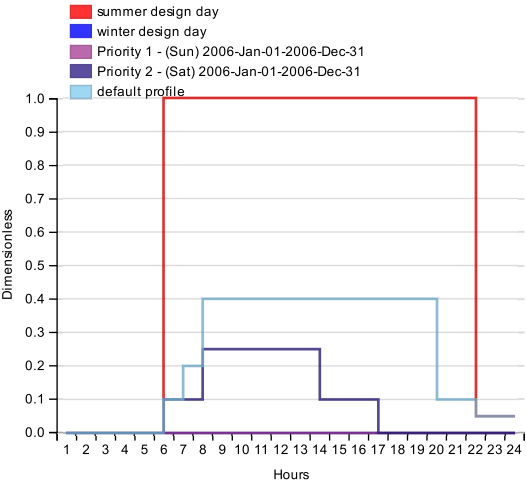


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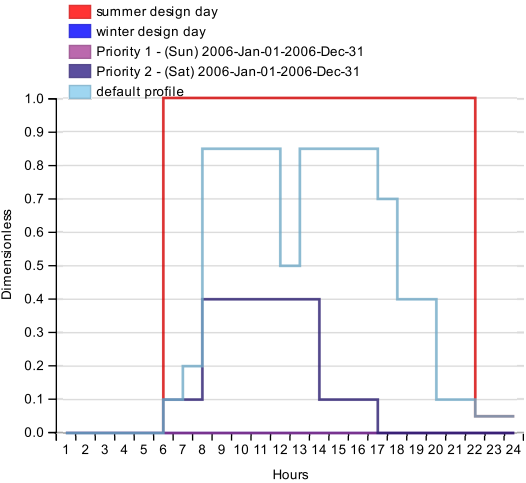




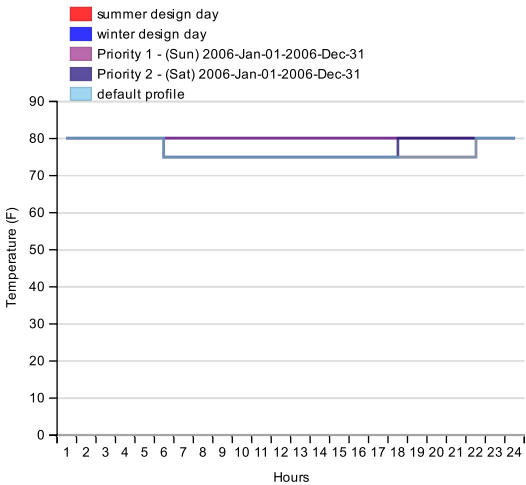
Office Misc Occ



Office Work Occ



Small Office ClgSetp



Small Office HtgSetp

