# OpenStudio Results

## **Model Summary**

#### **Building Summary**

Information	Value	Units
Building Name	Building 1	building_name
Net Site Energy	12,348,607	kBtu
Total Building Area	120,556	ft^2
EUI (Based on Net Site Energy and Total Building Area)	102.43	kBtu/ft^2
OpenStudio Standards Building Type		

#### Weather Summary

	Value
Weather File	Kolkata West Bengal IND ISHRAE WMO#=428090
Latitude	22.65
Longitude	88.45
Elevation	20 (ft)
Time Zone	5.50
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
KOLKATA ANN CLG .4% CONDNS DB=>MWB	98.96	16.38	80.24	Wetbulb [F]	6.04	180.0
KOLKATA ANN CLG .4% CONDNS DP=>MDB	89.6	16.38	82.94	Dewpoint [F]	6.04	180.0
KOLKATA ANN CLG .4% CONDNS ENTH=>MDB	94.28	16.38	42.05	Enthalpy [Btu/lb]	6.04	180.0
KOLKATA ANN CLG .4% CONDNS WB=>MDB	93.56	16.38	85.1	Wetbulb [F]	6.04	180.0
KOLKATA ANN HTG 99.6% CONDNS DB	52.88	0.0	52.88	Wetbulb [F]	0.67	0.0
KOLKATA ANN HTG WIND 99.6% CONDNS WS=>MCDB	73.76	0.0	73.76	Wetbulb [F]	10.96	0.0
KOLKATA ANN HUM_N 99.6% CONDNS DP=>MCDB	73.04	0.0	43.7	Dewpoint [F]	0.67	0.0

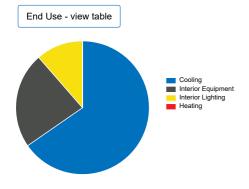
#### Unmet Hours Summary

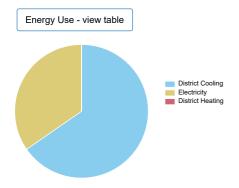
Time Setpoint Not Met	Time (hr)
During Heating	0.0
During Cooling	0.0
During Occupied Heating	0.0
During Occupied Cooling	0.0

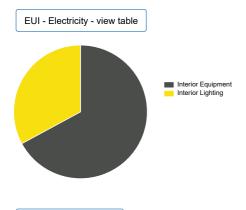
Unmet Hours Tolerance

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

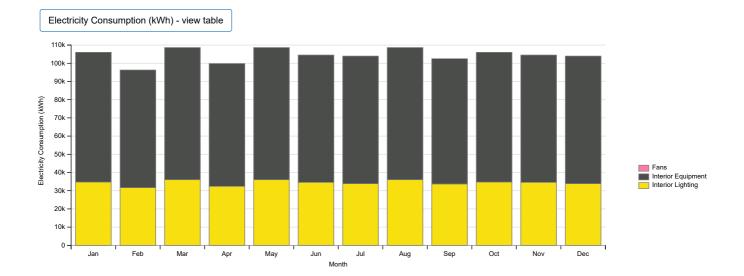
### **Annual Overview**

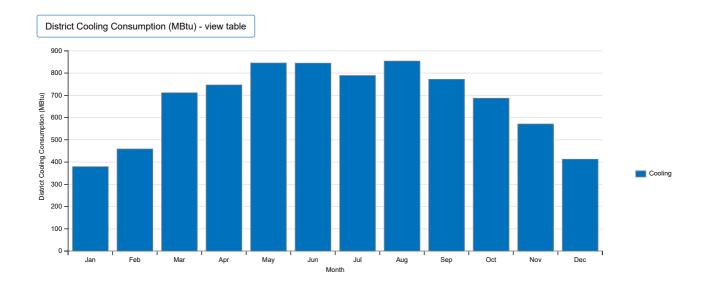


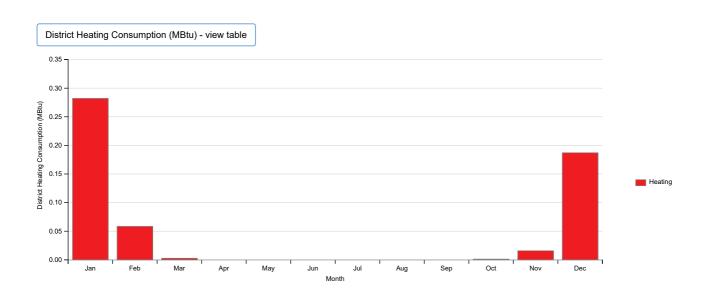


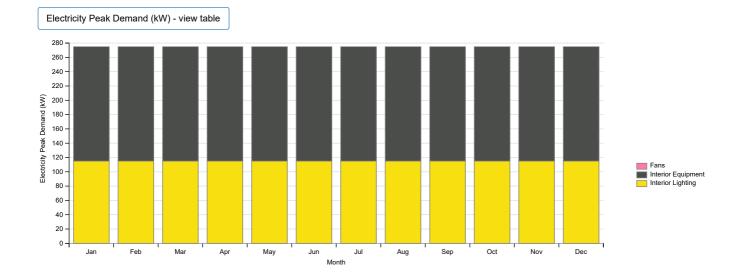


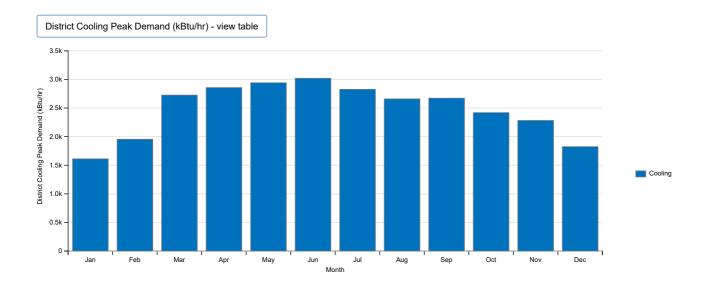
EUI - Gas - view table

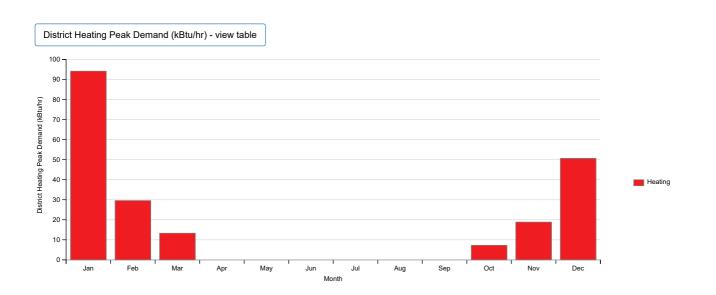












## Utility Bills/Rates

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 2-5	30,139	3	24.73
ASHRAE 189.1-2009 ExtWall Mass ClimateZone 3	18,729	28	8.77

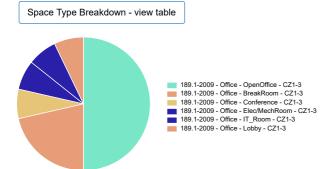
Sub Surface Constructions

Construction	Area (ft^2)	Surface Count	U-Factor (Btu/ft^2*h*R)
ASHRAE 189.1-2009 ExtWindow ClimateZone 3	9,688	24	

#### WWR & Skylight Ratio

Description	Total (%)	North (%)	East (%)	South (%)	West (%)
Gross Window-Wall Ratio	34.09	50.0	50.0	0.0	50.0
Gross Window-Wall Ratio (Conditioned)	34.09	50.0	50.0	0.0	50.0
Skylight-Roof Ratio	0.0				

### Space Type Breakdown



## Space Type Summary

189.1-2009 - Office - BreakRoom - CZ1-3 (4 spaces and 4 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	

189.1-2009 - Office - Conference - CZ1-3 (1 spaces and 1 thermal zones)

Definition	Value	Unit	Inst. Multiplier
189.1-2009 - Office - Conference - CZ1-3 People Definition	0.0500	people/ft^2	1.0
189.1-2009 - Office - Conference - CZ1-3 Electric Equipment Definition	0.3700	W/ft^2	1.0
189.1-2009 - Office - Conference - CZ1-3 Lights Definition	1.1700	W/ft^2	1.0
189.1-2009 - Office - Conference - CZ1-3 Infiltration	0.0595	cfm/ext surf area ft^2	
189.1-2009 - Office - Conference - CZ1-3 Ventilation (outdoor air method Sum)	20.0000	cfm/person	

189.1-2009 - Office - Elec/MechRoom - CZ1-3 (1 spaces and 1 thermal zones)

Definition	Value	Unit	Inst. Multiplier
189.1-2009 - Office - Elec/MechRoom - CZ1-3 Electric Equipment Definition	0.2700	W/ft^2	1.0
189.1-2009 - Office - Elec/MechRoom - CZ1-3 Lights Definition	1.3500	W/ft^2	1.0
189.1-2009 - Office - Elec/MechRoom - CZ1-3 Infiltration	0.0595	cfm/ext surf area ft^2	
189.1-2009 - Office - Elec/MechRoom - CZ1-3 Ventilation (outdoor air method Sum)	20.0000	cfm/person	

189.1-2009 - Office - IT\_Room - CZ1-3 (1 spaces and 1 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	

189.1-2009 - Office - Lobby - CZ1-3 (1 spaces and 1 thermal zones)

Definition	Value	Unit	Inst. Multiplier
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	

189.1-2009 - Office - OpenOffice - CZ1-3 (4 spaces and 4 thermal zones)

Definition	Value	Unit	Inst. Multiplier
189.1-2009 - Office - OpenOffice - CZ1-3 People Definition	0.0052	people/ft^2	1.0
189.1-2009 - Office - OpenOffice - CZ1-3 Electric Equipment Definition	0.7100	W/ft^2	1.0
189.1-2009 - Office - OpenOffice - CZ1-3 Lights Definition	0.9900	W/ft^2	1.0

189.1-2009 - Office - OpenOffice - CZ1-3 Infiltration	0.0595	cfm/ext surf area ft^2
189.1-2009 - Office - OpenOffice - CZ1-3 Ventilation (outdoor air method Sum)	20.0000	cfm/person

## **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)
THERMAL ZONE 5 189.1-2009 - OFFICE - BREAKROOM - CZ1-3 LIGHTS	THERMAL ZONE 5	1.08	6975.01	OFFICE BLDG LIGHT	61.85	61.85	0.0000	22494.45
THERMAL ZONE 6 189.1-2009 - OFFICE - BREAKROOM - CZ1-3 LIGHTS	THERMAL ZONE 6	1.08	6975.01	OFFICE BLDG LIGHT	61.85	61.85	0.0000	22494.45
THERMAL ZONE 7 189.1-2009 - OFFICE - BREAKROOM - CZ1-3 LIGHTS	THERMAL ZONE 7	1.08	6975.01	OFFICE BLDG LIGHT	61.85	61.85	0.0000	22494.45
THERMAL ZONE 8 189.1-2009 - OFFICE - BREAKROOM - CZ1-3 LIGHTS	THERMAL ZONE 8	1.08	6975.01	OFFICE BLDG LIGHT	61.85	61.85	0.0000	22494.45
THERMAL ZONE 11 189.1-2009 - OFFICE - CONFERENCE - CZ1-3 LIGHTS	THERMAL ZONE 11	1.17	10075.02	OFFICE BLDG LIGHT	61.85	61.85	0.0000	32494.45
THERMAL ZONE 9 189.1-2009 - OFFICE - ELEC/MECHROOM - CZ1-3 LIGHTS	THERMAL ZONE 9	1.35	11625.02	OFFICE BLDG LIGHT	61.85	61.85	0.0000	37491.67
THERMAL ZONE 10 189.1-2009 - OFFICE - IT_ROOM - CZ1-3 LIGHTS	THERMAL ZONE 10	0.99	8525.02	OFFICE BLDG LIGHT	61.85	61.85	0.0000	27494.45
THERMAL ZONE 12 189.1-2009 - OFFICE - LOBBY - CZ1-3 LIGHTS	THERMAL ZONE 12	1.17	10075.02	OFFICE BLDG LIGHT	61.85	61.85	0.0000	32494.45
THERMAL ZONE 1 189.1-2009 - OFFICE - OPENOFFICE - CZ1-3 LIGHTS	THERMAL ZONE 1	0.99	14918.78	OFFICE BLDG LIGHT	61.85	61.85	0.0000	48116.67
THERMAL ZONE 2 189.1-2009 - OFFICE - OPENOFFICE - CZ1-3 LIGHTS	THERMAL ZONE 2	0.99	14918.78	OFFICE BLDG LIGHT	61.85	61.85	0.0000	48116.67
THERMAL ZONE 3 189.1-2009 - OFFICE - OPENOFFICE - CZ1-3 LIGHTS	THERMAL ZONE 3	0.99	14918.78	OFFICE BLDG LIGHT	61.85	61.85	0.0000	48116.67
THERMAL ZONE 4 189.1-2009 - OFFICE - OPENOFFICE - CZ1-3 LIGHTS	THERMAL ZONE 4	0.99	14918.78	OFFICE BLDG LIGHT	61.85	61.85	0.0000	48116.67

## Plug Loads Summary

Electric Plug Load Consumption

	Electricity Annual Value (kWh)
InteriorEquipment:Electricity:Zone:THERMAL ZONE 5	136433.33
InteriorEquipment:Electricity:Zone:THERMAL ZONE 6	136433.33
InteriorEquipment:Electricity:Zone:THERMAL ZONE 7	136433.33
InteriorEquipment:Electricity:Zone:THERMAL ZONE 8	136433.33
InteriorEquipment:Electricity:Zone:THERMAL ZONE 11	15091.67
InteriorEquipment:Electricity:Zone:THERMAL ZONE 9	11013.89

InteriorEquipment:Electricity:Zone:THERMAL ZONE 10	63627.78
InteriorEquipment:Electricity:Zone:THERMAL ZONE 12	2855.56
InteriorEquipment:Electricity:Zone:THERMAL ZONE 1	50677.78
InteriorEquipment:Electricity:Zone:THERMAL ZONE 2	50677.78
InteriorEquipment:Electricity:Zone:THERMAL ZONE 3	50677.78
InteriorEquipment:Electricity:Zone:THERMAL ZONE 4	50677.78

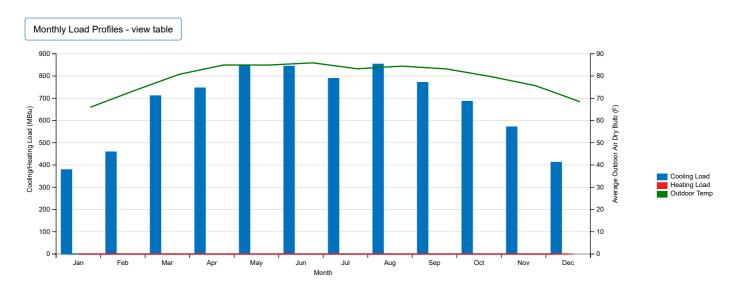
### **Exterior Lighting**

No Data to Show for Exterior Lighting

### Water Use Equipment

No Data to Show for Water Use Equipment

#### **HVAC Load Profiles**



#### **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)
THERMAL ZONE 1	0	0	0	0	0	0	140	2107	2406	4107	0	0	0	0	0	73.4 (F)
THERMAL ZONE 10	0	0	0	0	0	0	0	6	77	5071	569	3037	0	0	0	76.9 (F)
THERMAL ZONE 11	0	0	0	0	0	0	0	12	75	5086	677	2910	0	0	0	76.8 (F)
THERMAL ZONE 12	0	0	0	0	0	8	29	178	334	5143	537	2531	0	0	0	76.4 (F)
THERMAL ZONE 2	0	0	0	0	0	0	0	0	0	4923	1095	2742	0	0	0	76.7 (F)
THERMAL ZONE 3	0	0	0	0	0	0	0	0	0	4784	514	3462	0	0	0	77.2 (F)
THERMAL ZONE 4	0	0	0	0	0	0	0	0	80	5054	435	3191	0	0	0	77.0 (F)
THERMAL ZONE 5	0	0	0	0	0	0	0	0	0	4784	412	3564	0	0	0	77.1 (F)

THERMAL ZONE 6	0	0	0	0	0	0	0	0	0	4784	0	3976	0	0	0	77.4 (F)
THERMAL ZONE 7	0	0	0	0	0	0	0	0	0	4784	0	3976	0	0	0	77.4 (F)
THERMAL ZONE 8	0	0	0	0	0	0	0	0	0	4784	0	3976	0	0	0	77.4 (F)
THERMAL ZONE 9	0	0	0	0	0	185	968	2783	1173	3651	0	0	0	0	0	72.7 (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 (%)
THERMAL ZONE 1	0	0	0	32	301	384	429	787	1082	1254	745	78.2 (%)
THERMAL ZONE 10	0	3	9	801	2401	1193	876	903	780	858	592	58.1 (%)
THERMAL ZONE 11	0	0	0	102	350	770	1020	1331	1121	1619	1715	67.3 (%)
THERMAL ZONE 12	0	0	4	93	952	933	943	2576	912	616	538	64.4 (%)
THERMAL ZONE 2	0	0	18	553	1666	871	1131	2252	1126	456	215	59.5 (%)
THERMAL ZONE 3	0	0	72	1104	2069	1261	1722	2279	252	1	0	54.0 (%)
THERMAL ZONE 4	0	4	12	357	1509	901	1081	2409	851	824	652	60.3 (%)
THERMAL ZONE 5	0	4	37	224	1096	971	1323	1845	2216	603	264	61.0 (%)
THERMAL ZONE 6	0	25	2529	1037	1229	941	493	1334	1092	80	0	50.1 (%)
THERMAL ZONE 7	0	25	2966	677	1380	870	468	1397	937	40	0	49.5 (%)
THERMAL ZONE 8	3	26	430	993	1466	1348	1750	1618	1094	32	0	54.5 (%)
THERMAL ZONE 9	0	0	4	2188	904	690	669	743	605	551	490	63.2 (%)

## 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)
THERMAL ZONE 1	15069.47	Yes	Yes	148321.6	1.00	3552.09	645.83	0.99	190.52	0.71
THERMAL ZONE 10	8611.13	Yes	Yes	84755.2	1.00	1937.5	968.75	0.99	199.99	1.56
THERMAL ZONE 11	8611.13	Yes	Yes	84755.2	1.00	1937.5	968.75	1.17	20.02	0.37
THERMAL ZONE 12	8611.13	Yes	Yes	84755.2	1.00	1937.5	968.75	1.17	100.0	0.07
THERMAL ZONE 2	15069.47	Yes	Yes	148321.6	1.00	3552.09	645.83	0.99	190.52	0.71
THERMAL ZONE 3	15069.47	Yes	Yes	148321.6	1.00	3552.09	645.83	0.99	190.52	0.71

THERMAL ZONE 4	15069.47	Yes	Yes	148321.6	1.00	3552.09	645.83	0.99	190.52	0.71
THERMAL ZONE 5	6458.35	Yes	Yes	63566.4	1.00	1614.59	807.29	1.08	20.02	4.46
THERMAL ZONE 6	6458.35	Yes	Yes	63566.4	1.00	1614.59	807.29	1.08	20.02	4.46
THERMAL ZONE 7	6458.35	Yes	Yes	63566.4	1.00	1614.59	807.29	1.08	20.02	4.46
THERMAL ZONE 8	6458.35	Yes	Yes	63566.4	1.00	1614.59	807.29	1.08	20.02	4.46
THERMAL ZONE 9	8611.13	Yes	Yes	84755.2	1.00	1937.5	968.75	1.35	0.0	0.27
Total	120555.8			1186572.8		28416.72	9687.52	1.06	55.65	1.47
Conditioned Total	120555.8			1186572.8		28416.72	9687.52	1.06	55.65	1.47
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 (IbWater/IbAir)
THERMAL ZONE 1	Cooling	9.43 (ton)	10.85 (ton)	5727.33	6585.48	5/21 15:20:00	98.64	0.02
THERMAL ZONE 1	Heating	33.4 (kBtu/h)	41.75 (kBtu/h)	889.93	1582.8	1/21 19:00:00	52.88	0.01
THERMAL ZONE 10	Cooling	9.56 (ton)	11.0 (ton)	5642.58	6488.01	5/21 07:00:00	84.06	0.02
THERMAL ZONE 10	Heating	21.69 (kBtu/h)	27.11 (kBtu/h)	578.45	722.54	1/21 19:00:00	52.88	0.01
THERMAL ZONE 11	Cooling	30.7 (ton)	35.31 (ton)	18703.35	21510.87	5/21 15:00:00	98.96	0.02
THERMAL ZONE 11	Heating	13.39 (kBtu/h)	16.74 (kBtu/h)	355.97	8611.13	1/21 19:00:00	52.88	0.01
THERMAL ZONE 12	Cooling	10.14 (ton)	11.66 (ton)	6159.58	7085.53	5/21 15:20:00	98.64	0.02
THERMAL ZONE 12	Heating	29.77 (kBtu/h)	37.22 (kBtu/h)	792.46	1292.52	1/21 19:00:00	52.88	0.01
THERMAL ZONE 2	Cooling	13.27 (ton)	15.26 (ton)	8053.86	9263.74	5/21 15:20:00	98.64	0.02
THERMAL ZONE 2	Heating	18.5 (kBtu/h)	23.12 (kBtu/h)	493.7	1582.8	1/21 19:00:00	52.88	0.01
THERMAL ZONE 3	Cooling	14.3 (ton)	16.45 (ton)	8683.17	9986.28	5/21 15:20:00	98.64	0.02
THERMAL ZONE 3	Heating	18.07 (kBtu/h)	22.58 (kBtu/h)	480.99	1582.8	1/21 19:00:00	52.88	0.01
THERMAL ZONE 4	Cooling	15.67 (ton)	18.02 (ton)	9513.77	10939.78	5/21 15:50:00	98.15	0.02
THERMAL ZONE 4	Heating	46.66 (kBtu/h)	58.33 (kBtu/h)	1243.78	1582.8	1/21 19:00:00	52.88	0.01
THERMAL ZONE 5	Cooling	24.66 (ton)	28.35 (ton)	15022.86	17277.35	5/21 15:10:00	98.8	0.02
THERMAL ZONE 5	Heating	16.9 (kBtu/h)	21.12 (kBtu/h)	449.2	4843.76	1/21 19:00:00	52.88	0.01
THERMAL ZONE 6	Cooling	27.09 (ton)	31.15 (ton)	16499.72	18974.57	5/21 15:20:00	98.64	0.02

THERMAL ZONE 6	Heating	11.0 (kBtu/h)	13.75 (kBtu/h)	292.41	4843.76	1/21 19:00:00	52.88	0.01
THERMAL ZONE 7	Cooling	27.63 (ton)	31.77 (ton)	16828.14	19351.73	5/21 15:10:00	98.8	0.02
THERMAL ZONE 7	Heating	10.9 (kBtu/h)	13.62 (kBtu/h)	290.29	4843.76	1/21 19:00:00	52.88	0.01
THERMAL ZONE 8	Cooling	28.22 (ton)	32.45 (ton)	17188.36	19764.91	5/21 15:20:00	98.64	0.02
THERMAL ZONE 8	Heating	23.21 (kBtu/h)	29.02 (kBtu/h)	618.71	4843.76	1/21 19:00:00	52.88	0.01
THERMAL ZONE 9	Cooling	4.1 (ton)	4.71 (ton)	2339.24	2690.98	5/21 07:00:00	84.06	0.02
THERMAL ZONE 9	Heating	21.48 (kBtu/h)	26.85 (kBtu/h)	572.1	716.18	1/21 19:00:00	52.88	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)
THERMAL ZONE 1	44.18	79.11	148322	0.0	0.0	0.027	0.0	0.315	0.001
THERMAL ZONE 10	16.57	43.06	84755	0.0	0.0	0.026	0.0	0.302	0.006
THERMAL ZONE 11	165.7	430.56	84755	0.0	0.0	0.026	0.0	1.777	0.006
THERMAL ZONE 12	33.14	86.11	84755	0.0	0.0	0.143	0.002	0.267	0.001
THERMAL ZONE 2	44.18	79.11	148322	0.0	0.0	0.028	0.0	0.315	0.001
THERMAL ZONE 3	44.18	79.11	148322	0.0	0.0	0.028	0.0	0.315	0.001
THERMAL ZONE 4	44.18	79.11	148322	0.0	0.0	0.145	0.002	0.315	0.001
THERMAL ZONE 5	124.27	322.92	63566	0.0	0.0	0.029	0.0	1.333	0.004
THERMAL ZONE 6	124.27	322.92	63566	0.0	0.0	0.029	0.0	1.334	0.004
THERMAL ZONE 7	124.27	322.92	63566	0.0	0.0	0.029	0.0	1.334	0.004
THERMAL ZONE 8	124.27	322.92	63566	0.0	0.0	0.146	0.002	1.334	0.004

#### 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	12348606.7	102.4	102.4
Net Site Energy	12348606.7	102.4	102.4
Total Source Energy	22067552.1	183.0	183.0
Net Source Energy	22067552.1	183.0	183.0

#### 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

