

Full-Sized legible color report must be on site and
made available by the Permittee for all inspections.

PRCNC20250692



WSEC C407 ENERGY REPORT

PROJECT:

East Town Crossing
Clubhouse with Manager Apartment
3002 E Pioneer Way, Puyallup, WA 98372
P/N: 0420264053



Report Prepared by:

Asim Drebi, P.E.
Robison Engineering Inc.
adrebi@robisonengineering.com
425.301.580`



Job Number:

810-010

Date:

Jul 8, 2025

**City of Puyallup
Building
REVIEWED
FOR
COMPLIANCE**

BSnowden
07/28/2025
3:35:34 PM



Energy Documents required per section C407.3 of
the 2021 Washington State Energy Code, items #3
and 4 must be provided prior to Final.

Table of Content

1. EXECUTIVE SUMMARY	3
Table 1.1: Proposed Building Details	3
Table 1.2: Performance Cost Index calculations	3
2. METHODOLOGY DESCRIPTION	4
3. PERFORMANCE-BASED COMPLIANCE (C407.3)	5
Table-3.1: Energy Model General Inputs	5
4. RESULTS	6
Graph-4.1.1: Energy Use Summary	6
Table-4.1.1: Energy Use Reduction Summary	6
Table-4.1.2: Energy Savings Summary (With Renewable)	7
Table-4.1.3: Energy Savings Summary (Without Renewable)	7
Graph-4.1.1: Energy Use Summary	8
Table-4.2.1: Monthly Energy Use - Baseline	9
Table-4.2.2: Monthly Energy Use - Proposed	9
Table-4.2.3: Monthly Energy Use - Margin	10
5. Building Components Summary:	11
5.1. Opaque Building Envelope Construction	11
Table-5.1.1: General Envelope Areas for Conditioned spaces used in Proposed and Baseline Models	11
Table-5.1.3: Fenestration Assemblies Used in Proposed and Baseline Models	12
5.2. Interior Lighting	13
Table-5.2.1: Interior Lighting Densities Used in Proposed and Baseline Models	13
5.3. Process Equipment	13
Table-5.3.1: Process Equipment Densities Used in Proposed and Baseline Models	13
5.4. General HVAC Systems	14
Table-5.4.1: HVAC Systems Used in Proposed and Baseline Models	14
5.5. Schedules	14
Graph-5.5.1: Multifamily Lighting Schedule (%)	15
Graph-5.5.2: Multifamily Process Lighting Schedule (%)	15
Graph-5.5.3: Multifamily Occupants Schedule (%)	15
Graph-5.5.4: Multifamily Receptacle Schedule (%)	16
Graph-5.5.5: Multifamily Process Load Schedule (%)	16
Graph-5.5.6: Multifamily Heating Schedule (Temperature F)	16
Graph-5.5.7: Multifamily Cooling Schedule (Temperature F)	17
Appendix B. HVAC Equipment Specifications:	18

1. EXECUTIVE SUMMARY

In this analysis, the Total Building Performance (TBP) modeling protocol has been adopted per Section C407 of the 2021 WSEC. The proposed project consists of 2-story above-grade structure featuring a total conditioned floor area of 4,975 SQFT that includes 1 Unit and a clubhouse. Preliminary results of the project achieves C407 compliance by obtaining a Regulated Performance Cost Index (PCI Regulated) of 0.45, and Total Project Performance Cost Index of 0.53, both below the maximum allowable limits of 0.59 and 0.59, respectively.

Table 1.1: Proposed Building Details

Building Information	
Project Name	East Town Crossing
Project Address	Puyallup, WA
Building type	Mixed Use
Construction Year	2026
Building size	2-story above-grade structure
Conditioned Floor Area	4,975 SF
Unit Types	1 Apartments & Club House
Compliance Path	2021 WSEC C407

Table 1.2: Performance Cost Index calculations

Performance Rating Summary				
Baseline Building Unregulated Energy Cost	BBUEC.	67,719	kBtu / yr	
Baseline Building Regulated Energy Cost	BBREC	368,842	kBtu / yr	
Baseline Building Performance ($BBP = BBUEC + BBREC$)	BBP	436,561	kBtu / yr	
Regulated Site Energy Target				COMPLIES
Proposed Building Performance [Regulated]	PBP Regulated	165,030	kBtu / yr	
Building Performance Factor (WSEC Table C407.3(2))	BPF	0.51		
Target Regulated Performance Cost Index $PCI_t = [BBUEC + (BPFns \times BBREC)/BBP]$	PCI t	0.59		
Proposed Regulated Performance Cost Index $PCI = [PBP_{Regulated} / BBP]$	PCI Regulated	0.45		
Total Site Energy Target				COMPLIES
Proposed Building Performance [Total]	PBP Total	232,750	kBtu / yr	
Target Site Energy Performance Factor (WSEC Table C407.3(3))	SEPF	0.59		
Proposed Performance Cost Index $PCI = [PBP_{Total} / BBP]$	PCI Total	0.53		

2. METHODOLOGY DESCRIPTION

To comply with the requirements of ASHRAE Standard 90.1–2022 Appendix G, EnergyPro software was used, which aligns with ASHRAE Standard 140 and uses the DOE-2.1E* v119 software engine licensed from the Department of Energy to provide a highly accurate hourly simulation of building energy use. The software capabilities include but not limited to:

1. Full Calendar Year Operation: Simulates building operation for a full calendar year, totaling 8,760 hours.
2. Comprehensive Climate Data: Incorporates a full year's climate data (8,760 hours), with approved coincident hourly data for temperature, solar radiation, humidity, and wind speed specific to the building's location.
3. Multiple Thermal Zones: Can handle ten or more thermal zones.
4. Thermal Mass Effects: Accounts for the effects of thermal mass.
5. Hourly Variations in Building Use: Simulates hourly changes in occupancy, illumination, receptacle loads, thermostat settings, mechanical ventilation, HVAC equipment availability, service hot water usage, and any process loads.
6. Part-load Performance Curves: Includes part-load performance curves for mechanical equipment.
7. Heating and Cooling Equipment Performance: Features capacity and efficiency correction curves for mechanical heating and cooling equipment.

3. PERFORMANCE-BASED COMPLIANCE (C407.3)

To set the standards for meeting Appendix G Performance Rating Method of ASHRAE Standard 90.1–2022, the following key inputs outlined in Table 3.1 below were used to obtain the results in this report.

Table-3.1: Energy Model General Inputs

Methodology	
Simulation Program:	<i>EnergyPro</i>
Energy Code Used:	<i>ASHRAE 90.1 - 2022</i>
New Construction Percent:	<i>100%</i>
Weather File:	<i>WA_Seattle_Boeing_Field.bin</i>
Climate Zone:	<i>DOE Climate Zone 4C</i>
Latitude:	<i>47</i>
Longitude:	<i>-122</i>
Building Performance Factor C407.3(2)	<i>BPF = 0.51</i>
Site Energy Performance Factor C407.3(3)	<i>SEPT = 0.59</i>

4. RESULTS

Graph-4.1.1: Energy Use Summary

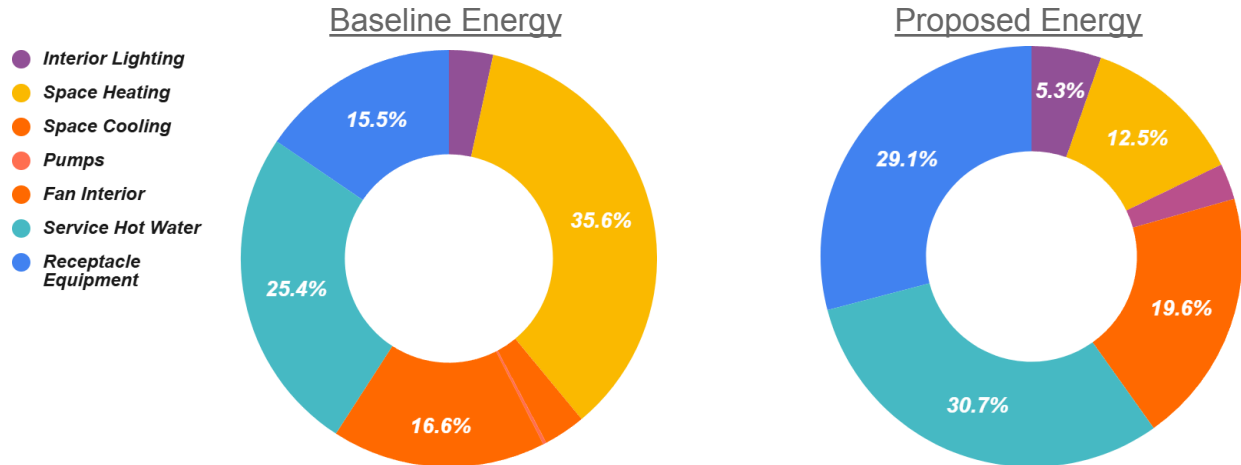


Table-4.1.1: Energy Use Reduction Summary

Energy Use Reduction									
End Use	Design Energy Type	Regulated / Unregulated	Baseline Building			Proposed Building		Compliance Margin	Compliance Weight
			Energy Use	Site Energy at BPF=1	Site Energy at BPF=0.51	Energy Use	Site Energy		
Interior Lighting	Electricity	R	4,377 kWh	14,926 kBtu	7,612 kBtu	3,649 kWh	12,443 kBtu	-63%	3%
			2 kW			2 kW			
Space Heating	N. Gas	R	1,553 therms	155,300 kBtu	79,203 kBtu	0 therms	29,009 kBtu	63%	31%
			99 kBtu/hr			0 kBtu/hr			
	Electricity	R	0 kWh			8,507 kWh			
			0 kW			7 kW			
Space Cooling	Electricity	R	4,173 kWh	14,230 kBtu	7,257 kBtu	1,890 kWh	6,445 kBtu	11%	3%
			8 kW			4 kW			
Pumps	Electricity	R	326 kWh	1,112 kBtu	567 kBtu	0 kWh	0 kBtu	100%	0%
			0 kW			0 kW			
Fan Interior	Electricity	R	21,283 kWh	72,575 kBtu	37,013 kBtu	13,369 kWh	45,588 kBtu	-23%	14%
			2 kW			2 kW			
Service Hot Water	N. Gas	R	1,107 therms	110,700 kBtu	56,457 kBtu	0 therms	71,545 kBtu	-27%	22%
			22 kBtu/hr			0 kBtu/hr			
	Electricity	R	0 kWh			20,981 kWh			
			0 kW			4 kW			
Receptacle Equipment	Electricity	UR	19,859 kWh	67,719 kBtu	67,719 kBtu	19,859 kWh	67,719 kBtu	0%	26%
			5 kW			5 kW			
Renewable Energy	Electricity	UR	0 kWh	0 kBtu	0 kBtu	0 kWh	0 kBtu	-%	0%
			0 kW			0 kW			

Table-4.1.2: Energy Savings Summary (With Renewable)

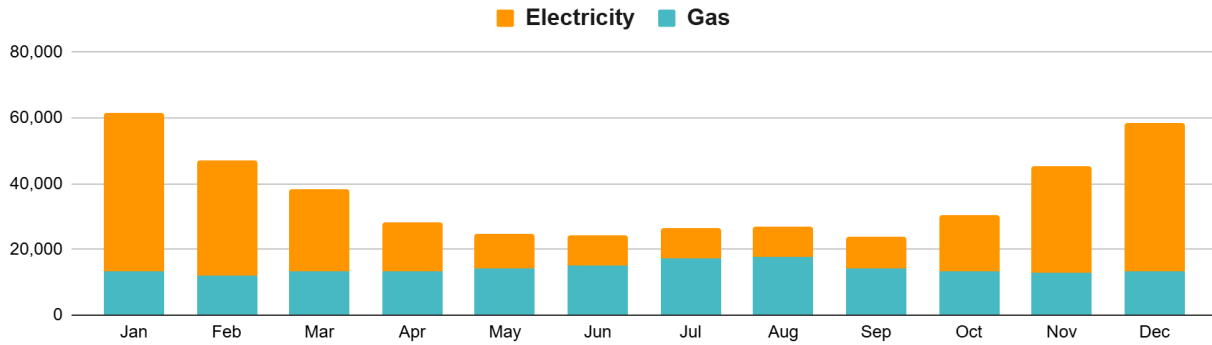
WSEC C407.3 (2.1) Regulated Site Energy Target <i>COMPLIES</i>										
Energy Type	Baseline Design				Proposed Design		Energy Savings	PCI	PCI t	Compliance Margin
	Total Energy		Regulated Energy	Regulated Energy [Reduced] BPF=0.51	Total Energy					
Elec.	50,018 kWh	436,561 kBtu	368,842 kBtu	188,110 kBtu	68,255 kWh	165,030 kBtu	55%	0.45	0.59	24%
N. Gas	2,660 therms				0 therms					

Table-4.1.3: Energy Savings Summary (Without Renewable)

WSEC C407.3 (2.2) Total Site Energy Target <i>COMPLIES</i>										
Energy Type	Baseline Design				Proposed Design		Energy Savings	PCI	SEP t	Compliance Margin
	Total Energy		Regulated Energy	Unregulated Energy	Total Energy [Reduced] BPF=0.51	Energy Use				
Elec.	50,018 kWh	436,561 kBtu	368,842 kBtu	67,719 kBtu	255,829 kBtu	68,255 kWh	47%	0.53	0.59	10%
N. Gas	2,660 therms					0 therms				

Graph-4.1.1: Energy Use Summary

Baseline Energy Consumption [kBtu]



Proposed Energy Consumption [kBtu]

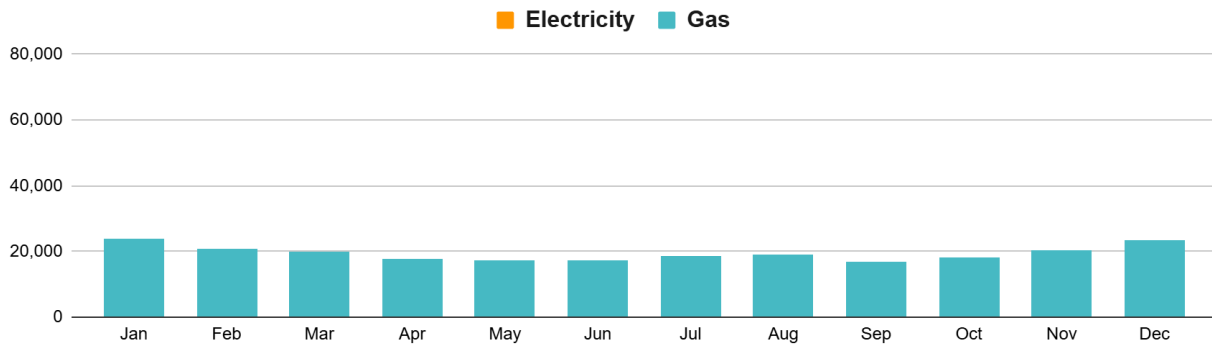


Table-4.2.1: Monthly Energy Use - Baseline

Baseline Energy Use Summary						
Month	Electricity			Gas		
	Energy Use [kWh]	Energy Use [kBtu]	Peak Demand [kW]	Energy Use [therms]	Energy Use [kBtu]	Peak Demand [kBtu/hr]
Jan	3,923	13,377	8.7	481	48,100	112.8
Feb	3,541	12,075	8.7	350	35,000	113.4
Mar	3,914	13,347	8.7	252	25,200	84.8
Apr	3,885	13,248	12.4	152	15,200	76.2
May	4,205	14,339	12.0	105	10,500	54.7
Jun	4,417	15,062	13.4	91	9,100	22.3
Jul	5,064	17,268	14.8	94	9,400	21.9
Aug	5,188	17,691	15.8	94	9,400	21.9
Sep	4,233	14,435	12.3	95	9,500	41.3
Oct	3,933	13,412	10.2	170	17,000	68.6
Nov	3,793	12,934	8.7	325	32,500	91.5
Dec	3,923	13,377	8.7	451	45,100	102.3
Year	50,019	170,565	15.8	2,660	266,000	113.4

Table-4.2.2: Monthly Energy Use - Proposed

Proposed Energy Use Summary						
Month	Electricity			Gas		
	Energy Use [kWh]	Energy Use [kBtu]	Peak Demand [kW]	Energy Use [therms]	Energy Use [kBtu]	Peak Demand [kBtu/hr]
Jan	7,017	23,928	15.0	0	0	0.0
Feb	6,045	20,613	15.1	0	0	0.0
Mar	5,796	19,764	13.9	0	0	0.0
Apr	5,157	17,585	12.6	0	0	0.0
May	5,104	17,405	12.4	0	0	0.0
Jun	5,056	17,241	13.1	0	0	0.0
Jul	5,463	18,629	13.6	0	0	0.0
Aug	5,539	18,888	14.3	0	0	0.0
Sep	4,997	17,040	12.5	0	0	0.0
Oct	5,297	18,063	11.9	0	0	0.0
Nov	5,952	20,296	14.2	0	0	0.0
Dec	6,828	23,283	15.0	0	0	0.0
Year	68,251	232,736	15.1	0	0	548.8

Table-4.2.3: Monthly Energy Use - Margin

Margin Energy Use Summary						
Month	Electricity			Gas		
	Energy Use [kWh]	Energy Use [kBtu]	Peak Demand [kW]	Energy Use [therms]	Energy Use [kBtu]	Peak Demand [kBtu/hr]
Jan	-3,094	-10,551	-6.3	481	1,640	112.8
Feb	-2,504	-8,539	-6.4	350	1,194	113.4
Mar	-1,882	-6,418	-5.2	252	859	84.8
Apr	-1,272	-4,338	-0.2	152	518	76.2
May	-899	-3,066	-0.4	105	358	54.7
Jun	-639	-2,179	0.3	91	310	22.3
Jul	-399	-1,361	1.2	94	321	21.9
Aug	-351	-1,197	1.5	94	321	21.9
Sep	-764	-2,605	-0.2	95	324	41.3
Oct	-1,364	-4,651	-1.7	170	580	68.6
Nov	-2,159	-7,362	-5.5	325	1,108	91.5
Dec	-2,905	-9,906	-6.3	451	1,538	102.3
Year	-18,232	-62,171	1.5	2,660	9,071	113.4

5. Building Components Summary:

5.1. Opaque Building Envelope Construction

Table-5.1.1: General Envelope Areas for Conditioned spaces used in Proposed and Baseline Models

Envelope General Information (conditioned spaces only) 6, 7, 8			
Opaque Surfaces & Orientation	Total Gross Surface Area (sqft)	Total Fenestration Area (sqft)	Window to Wall Ratio (%)
North-Facing 1	936	283	30%
East-Facing 2	1,308	322	25%
South-Facing 3	936	277	30%
West-Facing 4	1,308	395	30%
Total	4,488	1,277	28%
Roof	3,428	0	0%

Notes

1 North-Facing is oriented to within 45 degrees of true north, including 45 00'00" east of north (NE), but excluding 45 00'00" west of north (NW),

2 East-Facing is oriented to within 45 degrees of true east, including 45 00'00" south of east (SE), but excluding 45 00'00" north of east (NE),

3 South-Facing is oriented to within 45 degrees of true south, including 45 00'00" west of south (SW), but excluding 45 00'00" east of south (SE),

4 West-Facing is oriented to within 45 degrees of true west, including 45 00'00" north of west (NW), but excluding 45 00'00" south of west (SW),

5 All vertical glazing flush with exterior wall and no shading projections per Table G3.1#5(c)

6 No manual shading devices such as blinds or shades per Table G3.1#5(c)

7 No self-shading per Table G3.1#5

8 Total vertical fenestration areas for new construction equal to Proposed up to 40% maximum, and distributed on each face of the building in the same proportions as the Proposed design per Table G3.1#5(c)

Table-5.1.2: Building Surface Assemblies Used in Proposed and Baseline Models

Opaque Surface Assembly Summary								
Surface Name	Proposed							Baseline
	Con. Type	Area (sqft)	Frame Type	Cavity R-Value	Cont. R-Value	U-Value	Description of Assembly Layers	U-Value 1
R-21 Wall Wood Frame	Exterior Wall	4,488	Wood	21	0	0.051	- Gypsum Board - 5/8 in - Wood Frame Wall - 16inOC - 2x6 - R21 ins. - Gypsum Board - 5/8 in	0.124 1
R-0 Slab On Grade	Underground Floor	3,428	Con.	0	0	0.73	- Concrete - 140 lb/ft3 - 6 in.	0.73 3
R-38 Roof (Main)	Roof	3,428	Wood	30	0	0.049	- Attic Roof R-30 Batt Insulation - Roof Assembly per Architect	0.063 4, 5

Opaque Surface Assembly Summary

Surface Name	Proposed							Baseline
	Con. Type	Area (sqft)	Frame Type	Cavity R-Value	Cont. R-Value	U-Value	Description of Assembly Layers	U-Value 1
Notes 1 New above-grade walls: steel-framed with U-factor from appropriate Table 5.5 per Table G3.1#5(b) 2 New floors: steel-joist with U-factor from appropriate Table 5.5 per Table G3.1#5(b). 3 New slab-on-grade floors: unheated 6" concrete slab with F-factor from appropriate Table 5.5 per Table G3.1#5(b). 4 New roofs: insulation entirely above deck with U-factor from appropriate Table 5.5 per Table G3.1#5(b). 5 Baseline Roof Reflectivity Modeled as 0.3 per Table G3.1#5(e) 6 Opaque envelope assemblies separating conditioned space from unconditioned or semiheated space are modeled using semiheated envelope assemblies per the ASHRAE 90.1-2007 User's Manual, Section 5.1.1, Envelope Component Assemblies (Page 5-2). 7 All Baseline new construction opaque envelope assemblies were modeled as required by Table 5.5 for the project's climate zone and Table G3.1#5(b) as delayed assemblies. See the Helpful Notes for each opaque assembly for more information. 8 All Proposed roofs, above-grade exterior walls, below-grade exterior walls, exposed floors, slab-on-grade floors, and opaque doors were modeled as-designed and with assembly U-factors / C-factors / F-factors consistent with Appendix A values 9 Infiltration rates and schedules have been modeled identically in the Baseline and Proposed case								

Table-5.1.3: Fenestration Assemblies Used in Proposed and Baseline Models

Fenestration Assembly Summary

Fenestration Assembly Name	Proposed						Baseline	
	Fenestration Type / Product Type / Frame Type	Certification Method	Assembly Method	Area (sqft)	Overall U-Value	Overall SHGC	Overall U-Value 3	Overall SHGC 3
Fixed Windows 1	Vertical Fenestration Fixed Window Metal Frame	NFRC Rated	Manufactured	1,020	0.3	0.38	0.57	0.39
Entrance Glazed Doors 4	Vertical Fenestration Public Entrance Metal Frame	NFRC Rated	Manufactured	257	0.6	0.38	0.57	0.39
Notes 1 "Fixed" includes curtain wall, storefront, picture windows, and other fixed windows. 2 "Operable" includes operable fenestration products other than "entrance doors." 3 U-Value and SHGC used for the baseline is based on Table G3.4-4 ASHRAE Standard 90.1 2022								

5.2. Interior Lighting

Table-5.2.1: Interior Lighting Densities Used in Proposed and Baseline Models

Interior Lighting 1			
Table 9.6.1 Space Type	Total Area of Space Type (SF)	Baseline Case	Proposed Case
		Modeled LPD (Excluding Section 9.6.2 Additional Lighting) (W/SF) 2	Modeled LPD (W/SF) 3
Building Common Area	3,428	0.70	0.75
Apartment	1,547	0.50	0.50
Total	4,975	0.64	0.67

Notes

1 All lighting schedules have been modeled identically in the Baseline and Proposed case and reflect the anticipated operating schedules of each space.

2 Baseline LPD is modeled using the maximum allowance from Table 9.6.1

3 The Proposed lighting power includes all lighting system components shown or provided for on the plans (including lamps and ballasts and task and furniture-mounted fixtures except where specifically exempted)

5.3. Process Equipment

Table-5.3.1: Process Equipment Densities Used in Proposed and Baseline Models

Process Equipment 1, 2, 3			
Space Type	Total Area of Space Type (SF)	Baseline Case	Proposed Case
		Equipment Power Density (W/SF)	Equipment Power Density (W/SF)
Building Common Area	3,428	0.50	1.50
Apartment	1,547	0.50	0.50
Total	4,975	0.50	1.19
Annual KWh/SF	4,975	3.99 KWh/SF	3.99 KWh/SF

Notes

1 All receptacle loads are modeled identically between the Proposed and Baseline case and included in the simulations per Table G3.1#12

2 All receptacle equipment and other process equipment designed or anticipated for the building have been accounted for in the energy models.

3 The Proposed lighting power includes all lighting system components shown or provided for on the plans (including lamps and ballasts and task and furniture-mounted fixtures except where specifically exempted)

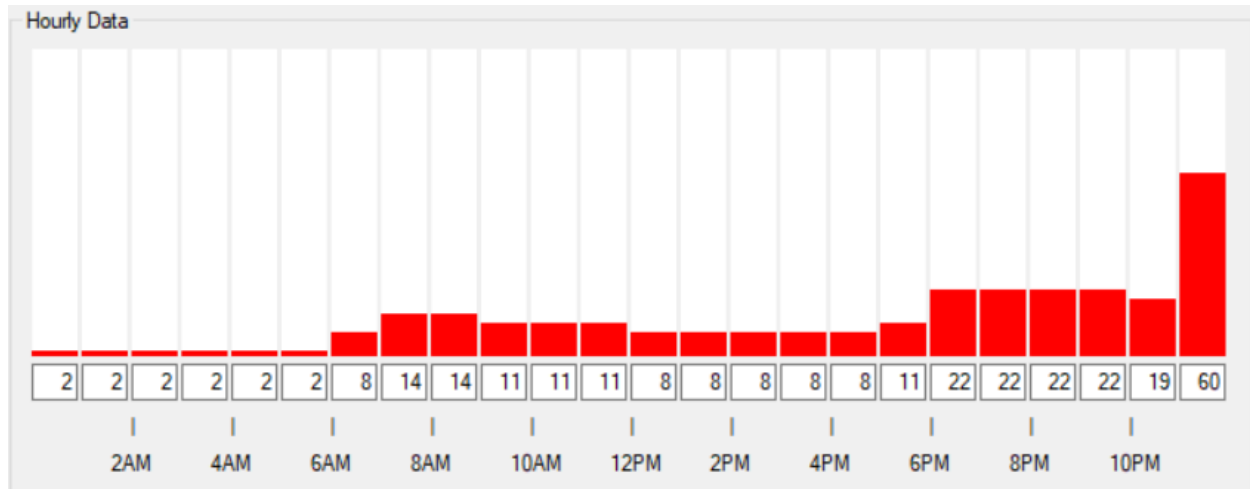
5.4. General HVAC Systems

Table-5.4.1: HVAC Systems Used in Proposed and Baseline Models

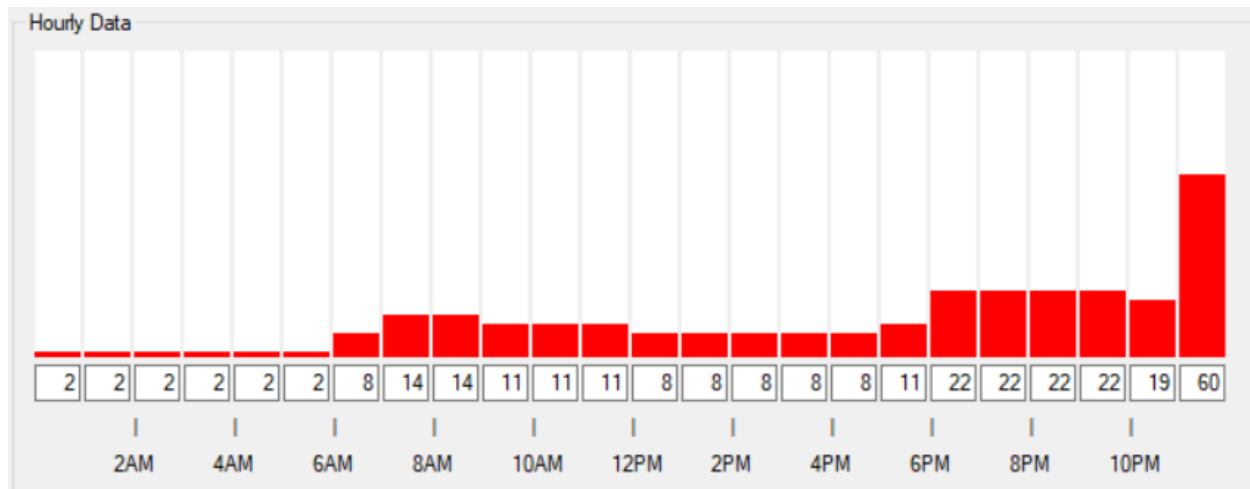
HVAC System 1,2,3,4,5,6,7,8			
Building Component	Baseline Case		Proposed Case
	Table G3.1.1A System Type	Source for SRD	System Type
Space Heating	System 1 - PTAC, Hot-water fossil fuel boiler, 80% Efficiency, 0.300 W/CFM Fan efficiency	Table G3.1.1-3,4; G3.5.6, ASHRAE Standard 90.1 2022	Split System + ERV
Space Cooling	System 1 - PTAC, Direct expansion, EER 11.9, 0.300 W/CFM Fan efficiency	Table G3.1.1-3,4; G3.5.3, ASHRAE Standard 90.1 2022	Split System + ERV
Energy Recovery	No energy recovery in SRD	-	Split System + ERV
Notes 1 The HVAC system type and all related parameters, such as equipment capacities and efficiencies, are modeled as designed (or installed) per Table G3.1#10(a&b) 2 Where no heating system exists or has been designed, the classification is assumed to be electric and the heating system is modeled identically to the Baseline case per Table G3.1#10(c) 3 Where no cooling system exists or has been designed, the cooling system is modeled identically to the Baseline case per Table G3.1#10(d) 4 All Proposed HVAC systems and related parameters, such as equipment capacities, efficiencies, airflows, fans, etc. have been modeled as designed 5 Each Proposed HVAC thermal zone has been modeled as a separate thermal block except as allowed by Table G3.1#7 6 All Proposed HVAC systems serving conditioned spaces have been modeled with heating and cooling as required by Table G3.1#1(b), with heating and/or cooling added as necessary identically to the Baseline case per Table G3.1#10(c&d) except where System types (9) or (10) have been modeled in accordance with Addendum dn. 7 All Proposed HVAC systems and related parameters are modeled directly in the energy simulation program used 8 All Proposed fan part-load efficiency curves for variable volume fans have been modeled identically to the Baseline curves for variable volume fans			

5.5. Schedules

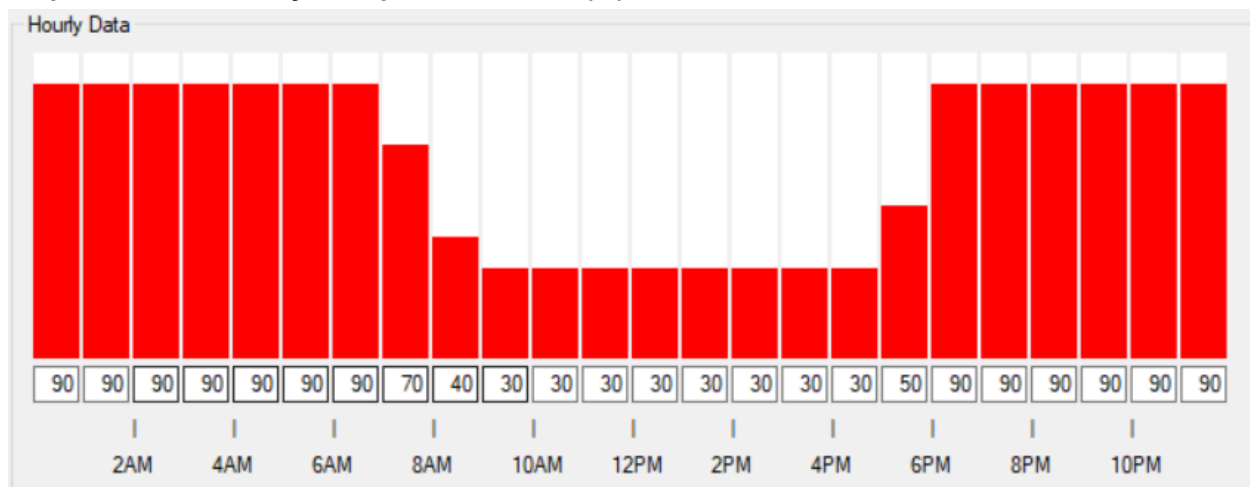
Graph-5.5.1: Multifamily Lighting Schedule (%)



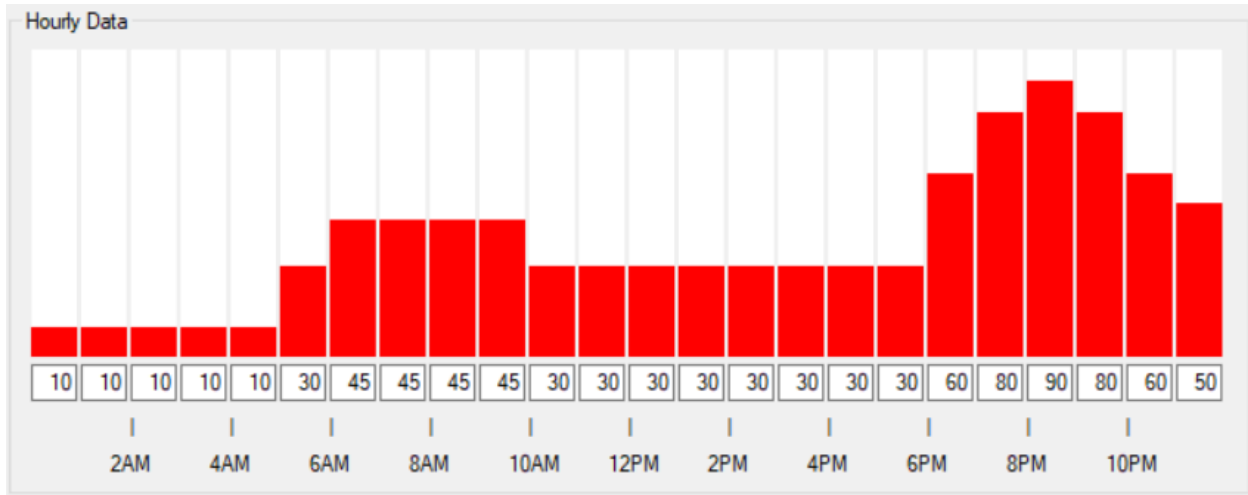
Graph-5.5.2: Multifamily Process Lighting Schedule (%)



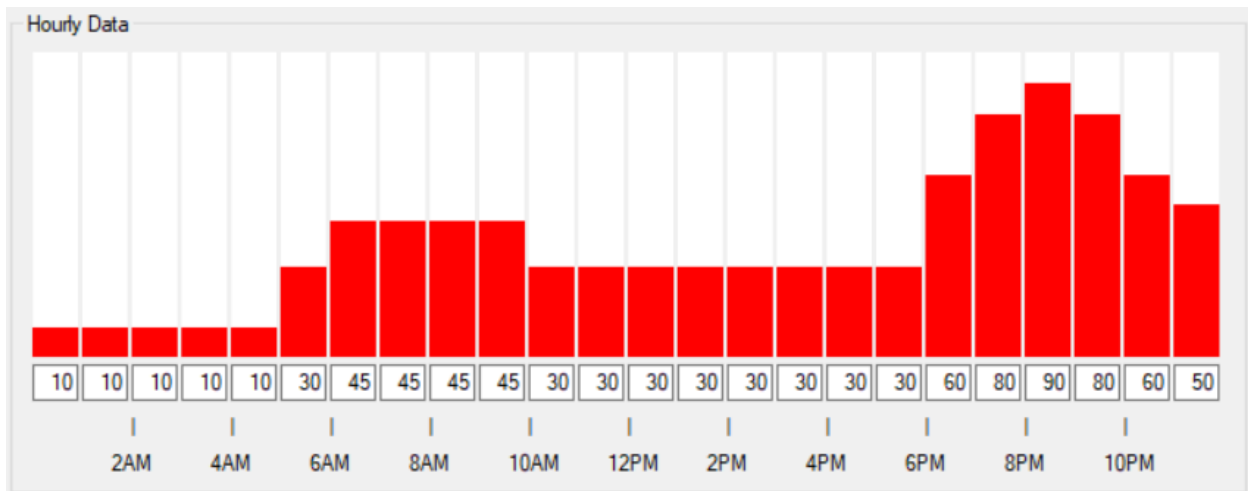
Graph-5.5.3: Multifamily Occupants Schedule (%)



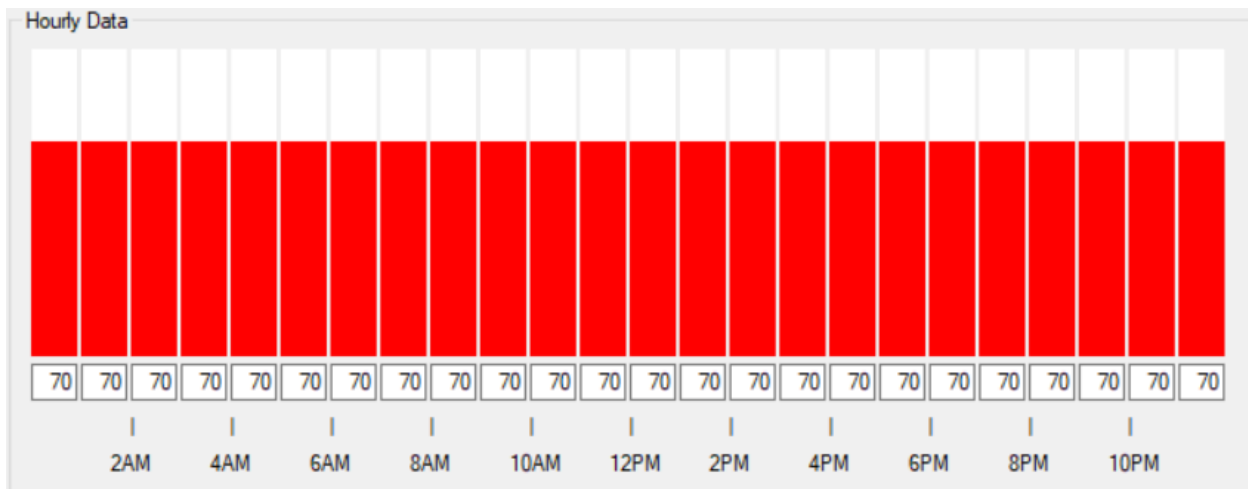
Graph-5.5.4: Multifamily Receptacle Schedule (%)



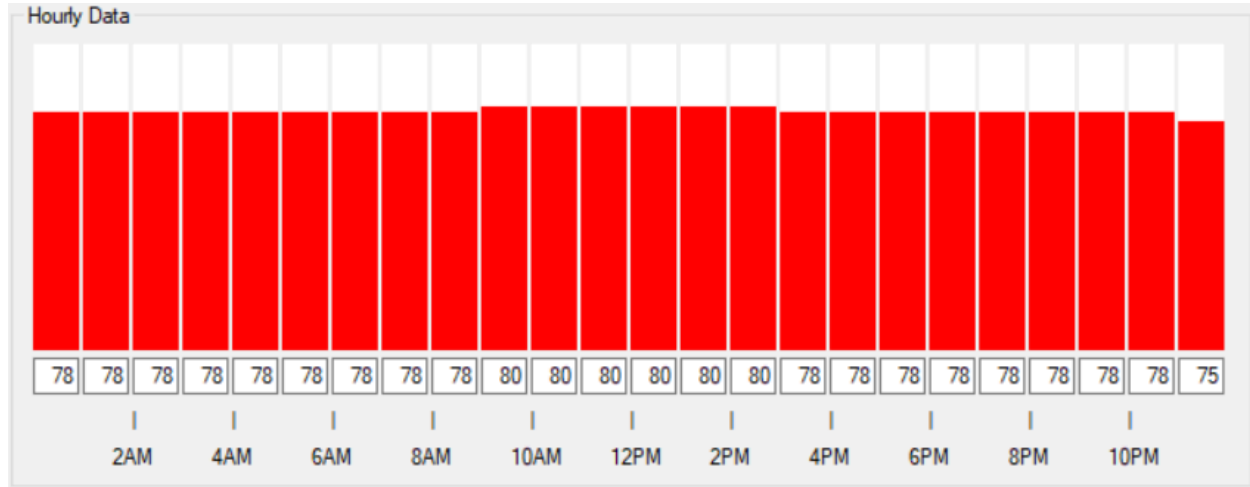
Graph-5.5.5: Multifamily Process Load Schedule (%)



Graph-5.5.6: Multifamily Heating Schedule (Temperature F)



Graph-5.5.7: Multifamily Cooling Schedule (Temperature F)



Appendix B. HVAC Equipment Specifications:

SPLIT SYSTEM HEAT PUMP SCHEDULE - INDOOR UNIT									
EQUIP NO.	SERVICE	MOUNTING/ DISCHARGE	FAN		ELECTRICAL			BASIS OF DESIGN (1)(3)	CONNECTED OUTDOOR UNIT
			AIRFLOW, CFM	ESP. IN WG	VOLTAGE	MCA	MOCP		
FCU-1	EXERCISE 102 & GATHERING 103	MULTI-POSITION AIR HANDLER	1400	0.9	208V/1P	6.5	15	DAIKIN FTQ42TAVJUD (4)	HP-1
FCU-2	RESTROOMS & GATHERING 106	MULTI-POSITION AIR HANDLER	1520	0.9	208V/1P	6.5	15	DAIKIN FTQ48TAVJUD (4)	HP-2
FCU-3	LEASING 109	WALL CASSETTE	431	-	208V/1P	(2)	(2)	DAIKIN FTX09AXVJU	HP-3
FCU-4	MANAGER APARTMENT	WALL CASSETTE	716	-	208V/1P	(2)	(2)	DAIKIN FTX18AXVJU	HP-4
FCU-5	BEDROOM SUITE	WALL CASSETTE	431	-	208V/1P	(2)	(2)	DAIKIN FTX09AXVJU	HP-3

- NOTES: (1) INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION REQUIREMENTS.
(2) INDOOR UNIT POWERED FROM OUTDOOR UNIT.
(3) PROVIDE HVAC PROGRAMMABLE CONTROL. BOD: DAIKIN BRC1E73 CONTROL
(4) CONTROL INTERLOCK TO DOOR SWITCH WHERE HVAC SYSTEM SHALL BE DISABLE WHEN DOOR IS OPEN FOR MORE THAN 5 MINS.
(5) MITSUBISHI, LG, AND CARRIER APPROVED ALTERNATES.

SPLIT SYSTEM HEAT PUMP SCHEDULE - OUTDOOR UNIT												
EQUIP NO.	SERVICE	CAPACITY, TONS	TOTAL COOLING CAPACITY, BTUH	SEER2	TOTAL HEATING CAPACITY, BTUH	HSPF2	ELECTRICAL			WEIGHT, LBS	BASIS OF DESIGN (1)(2)(3)(4)(5)	CONNECTED FAN COIL UNIT
							VOLTAGE	MCA	MOCPP			
HP-1	EXERCISE 102 & GATHERING 103	3.5	42,000	16	47,000	8.8	208V/1P	29.1	35	225	DAIKIN RZQ42TAVJUA	FCU-1
HP-2	RESTROOMS & GATHERING 106	4.0	48,000	14.8	54,000	8.8	208V/1P	29.1	35	225	DAIKIN RZQ48TAVJUA	FCU-2
HP-3	LEASING 109	0.75	8,900	19	10,000	10	208V/1P	8.7	15	57	DAIKIN RX09AXVJU	FCU-3
HP-4	MANAGER APARTMENT	1.5	18,000	18.5	21,600	9.0	208V/1P	16.4	20	101	DAIKIN RX18AXVJU	FCU-4
HP-5	BEDROOM SUITE	0.75	8,900	19	10,000	10	208V/1P	8.7	15	57	DAIKIN RX09AXVJU	FCU-5
NOTES: (1) (1) INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION REQUIREMENTS.												

- NOTES: (1) INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION REQUIREMENTS.
(2) ARI LISTED WITH ALL STANDARD FEATURES, INSTALLATION ACCESSORIES AND COMPRESSOR SHORT CYCLING PROTECTION, FILTER DRIVER, REFRIGERANT LINE FILTER, LIQUID SOLENOID VALVE, AND SAFETY PRESSURE SWITCHES. INSTALL REFRIGERANT TUBING AND LENGTH IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
(3) NOT USED.
(4) ROUTING OF REFRIGERANT LINES FROM INDOOR TO OUTDOOR UNITS NOT SHOWN ON PLANS. CONTRACTOR TO FIELD COORDINATE ROUTING.
(5) REFRIGERANT SHALL BE R-410A.
(6) MITSUBISHI, LG, AND CARRIER APPROVED ALTERNATES.

ENERGY RECOVERY VENTILATOR									
EQUIP NO.	SERVICE	MOUNTING/ DISCHARGE	FAN		ELECTRICAL			SENSIBLE HEAT RECOVERY EFFICIENCY	BASIS OF DESIGN (1)(2)(3)
			AIRFLOW, CFM	ESP. IN WG	VOLTAGE	MCA (WATTS)	MOCP		
ERV-1	EXERCISE 102 & GATHERING 103	HORIZONTAL	325	0.86	208V/1P	3.9	15	0.61	MITSUBISHI TLGHF0380RVX02A
ERV-2	RESTROOMS & GATHERING 106	HORIZONTAL	300	0.86	208V/1P	3.9	15	0.61	MITSUBISHI TLGHF0380RVX02A
ERV-3	LEASING 109	HORIZONTAL	50	0.1	120V/1P	(39)	15	0.70	PANASONIC FV-06VE1
ERV-4	MANAGER APARTMENT	HORIZONTAL	40	0.4	120V/1P	2.4	15	0.84	BROAN BLP150E75HS-HW

- NOTES: (1) INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION REQUIREMENTS.
(2) UNIT SHALL RUN CONTINUOUSLY.
(3) UNIT SHALL HAVE A MINIMUM MERV 8 FILTER.
(4) PROVIDE MANUFACTURER'S OPTIONAL WALL MOUNT SPEED CONTROLLER, PART NUMBER 611229. SPEED CONTROLLER SHALL BE MOUNTED NEXT TO THE LIGHT SWITCH FOR THE BATHROOM.
(5) MULTIPLE UNITS ARE IDENTIFIED WITH A LETTER SUFFIX (ERV-3A, ERV-3B, ETC.). THERE MAY BE GAPS IN THE SEQUENCE. REFER TO FLOOR PLANS FOR QUANTITIES.
(6) "X" REFERS TO THE FLOOR NUMBER.

FAN SCHEDULE									
EQUIP NO.	SERVICE	TYPE	AIRFLOW, CFM	ESP. IN WG	ELECTRICAL		OPERATION	WEIGHT, LBS	BASIS OF DESIGN (1)
					VOLTAGE	HP			
BEF-1	BATHROOM	CEILING MOUNTED	50	0.25	115V/1P	FHP	(2)	10	PANASONIC FV-0511VQ1 (3)

- NOTES: (1) PROVIDE BACKDRAFT DAMPERS ON EXHAUST FANS.
(2) FAN SHALL BE ACTIVATED VIA WALL SWITCH.
(3) PROVIDE MANUFACTURER'S OPTIONAL CEILING RADIATION DAMPER.

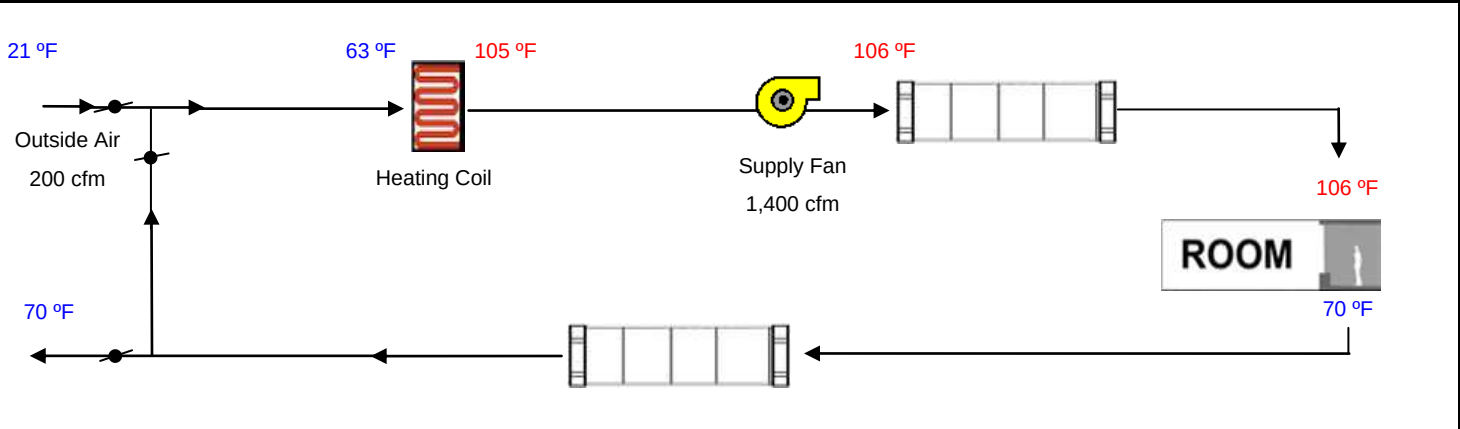
HVAC SYSTEM HEATING AND COOLING LOADS SUMMARY

Project Name		Date	3/27/2025
System Name	FCU-1	Floor Area	1,084

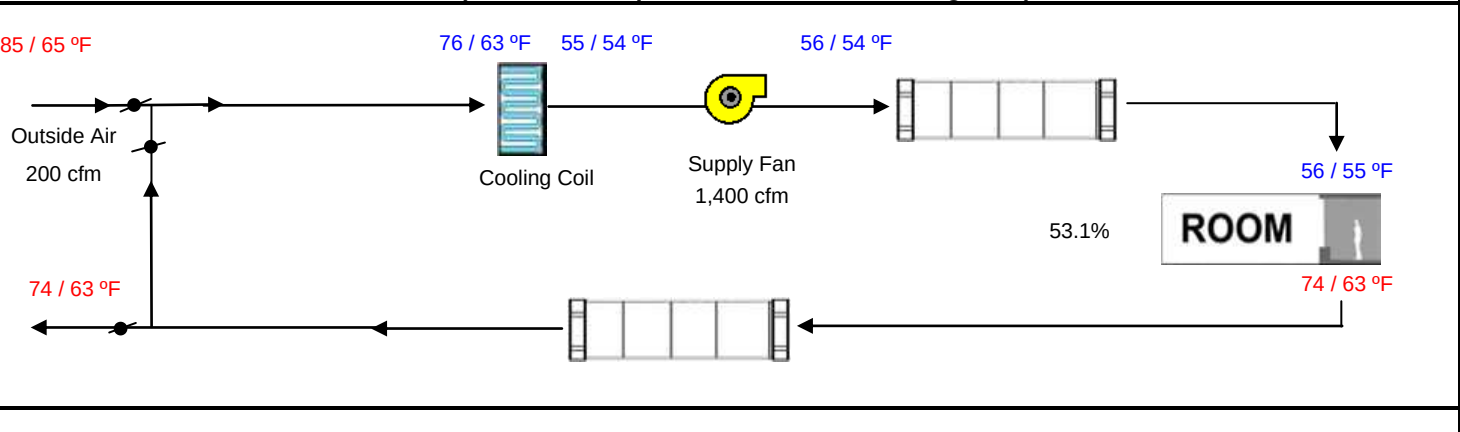
ENGINEERING CHECKS		SYSTEM LOAD				
Number of Systems	1	Total Room Loads Return Vented Lighting Return Air Ducts Return Fan Ventilation Supply Fan Supply Air Ducts TOTAL SYSTEM LOAD	COIL COOLING PEAK			COIL HTG. PEAK
Heating System			CFM	Sensible	Latent	CFM
Output per System	47,000		1,236	23,380	6,090	337
Total Output (Btuh)	47,000			0		
Output (Btuh/sqft)	43.4			298		612
				0		0
Cooling System						
Output per System	42,000		200	2,281	-810	200
Total Output (Btuh)	42,000			1,489		-1,489
Total Output (Tons)	3.5			298		612
Total Output (Btuh/sqft)	38.7					
Total Output (sqft/Ton)	309.7					
				27,745	5,280	22,902

Air System		HVAC EQUIPMENT SELECTION				
CFM per System	1,400	FCU-1	41,479	0		25,170
Airflow (cfm)	1,400					
Airflow (cfm/sqft)	1.29					
Airflow (cfm/Ton)	400.0					
Outside Air (%)	14.3%	Total Adjusted System Output (Adjusted for Peak Design conditions)		41,479	0	25,170
Outside Air (cfm/sqft)	0.18					
Note: values above given at ARI conditions		TIME OF SYSTEM PEAK		Aug 3 PM		Jan 1 AM

HEATING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Heating Peak)



COOLING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Cooling Peak)



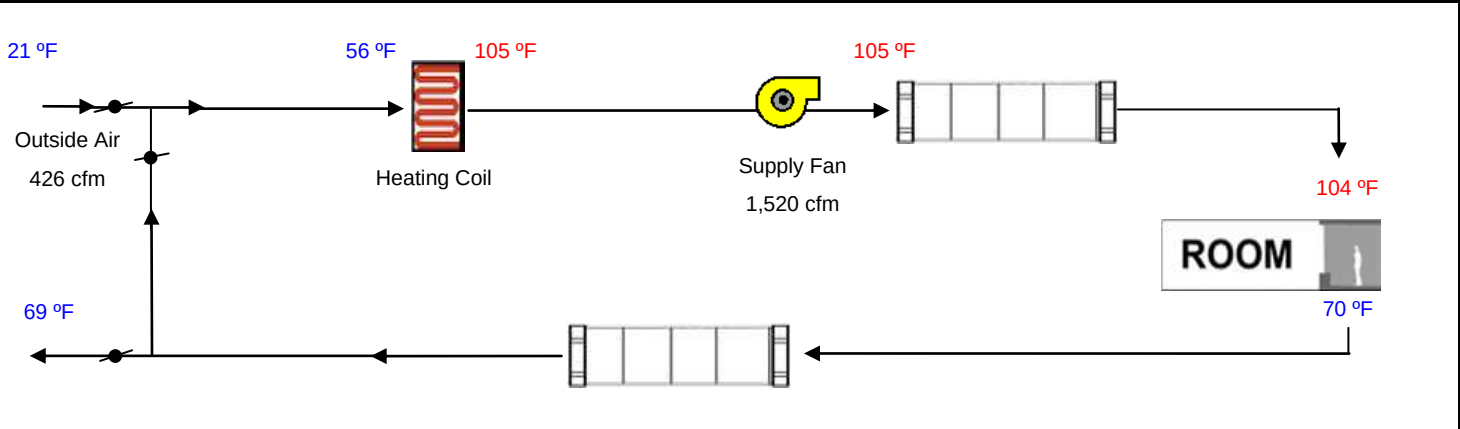
HVAC SYSTEM HEATING AND COOLING LOADS SUMMARY

Project Name		Date	3/27/2025
System Name	FCU-2	Floor Area	2,128

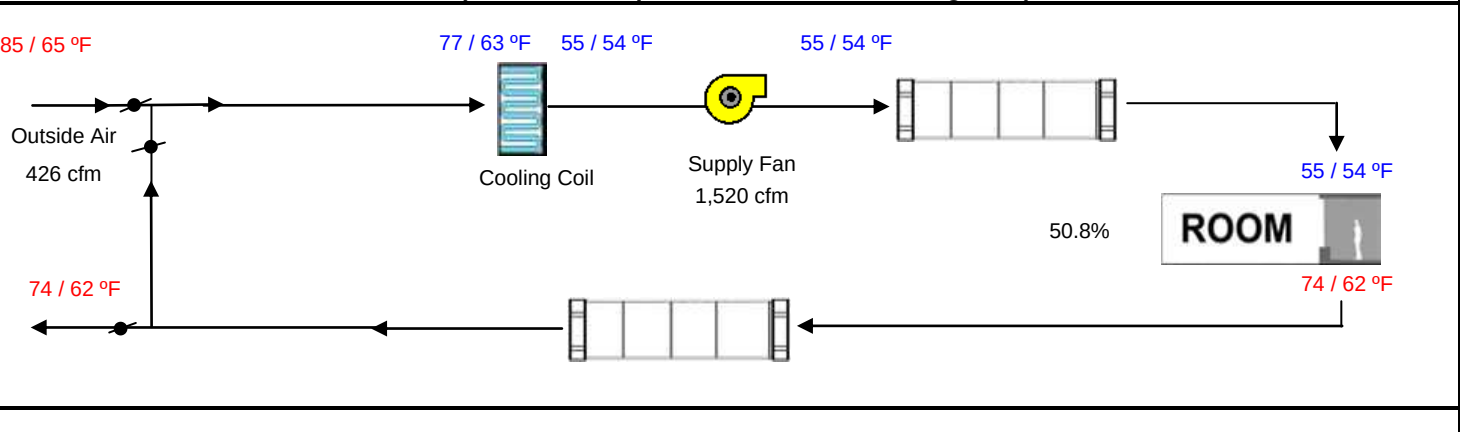
ENGINEERING CHECKS		SYSTEM LOAD				
Number of Systems	1	Total Room Loads Return Vented Lighting Return Air Ducts Return Fan Ventilation Supply Fan Supply Air Ducts TOTAL SYSTEM LOAD	COIL COOLING PEAK			COIL HTG. PEAK
Heating System			CFM	Sensible	Latent	CFM
Output per System	54,000		2,021	40,137	4,191	461
Total Output (Btuh)	54,000			0		
Output (Btuh/sqft)	25.4			511		811
				0		0
Cooling System						
Output per System	48,000		426	4,797	-852	426
Total Output (Btuh)	48,000			0		0
Total Output (Tons)	4.0			511		811
Total Output (Btuh/sqft)	22.6					
Total Output (sqft/Ton)	532.0			45,956	3,339	40,623

Air System		HVAC EQUIPMENT SELECTION				
CFM per System	1,520	FCU-2	47,319	0		28,919
Airflow (cfm)	1,520					
Airflow (cfm/sqft)	0.71					
Airflow (cfm/Ton)	380.0					
Outside Air (%)	28.0%		47,319	0		28,919
Outside Air (cfm/sqft)	0.20	Total Adjusted System Output (Adjusted for Peak Design conditions)				
Note: values above given at ARI conditions		TIME OF SYSTEM PEAK		Aug 3 PM	Jan 1 AM	

HEATING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Heating Peak)



COOLING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Cooling Peak)



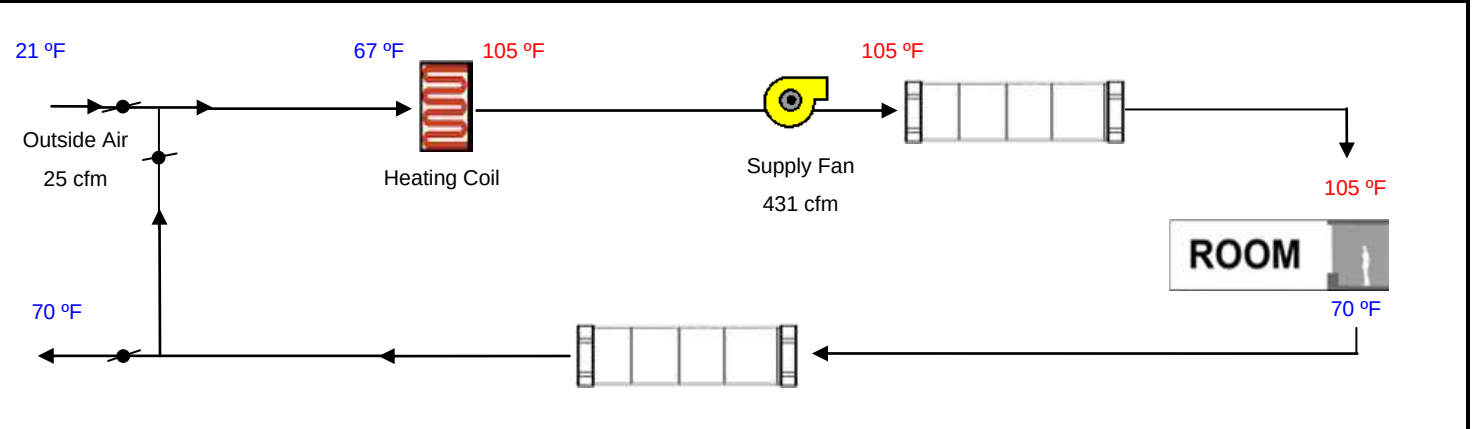
HVAC SYSTEM HEATING AND COOLING LOADS SUMMARY

Project Name		Date	3/27/2025
System Name	FCU-3	Floor Area	215

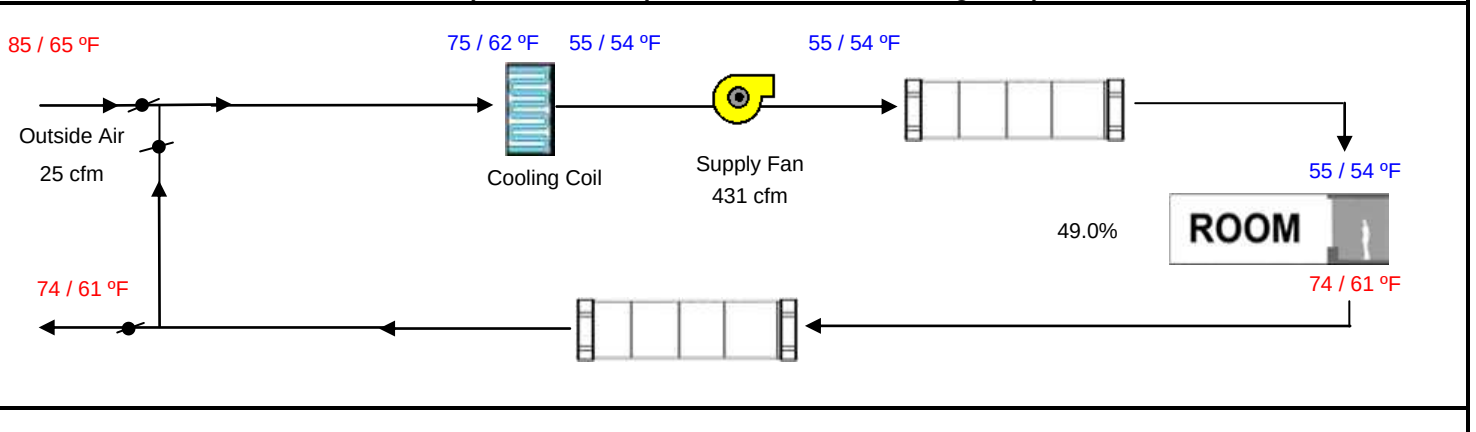
ENGINEERING CHECKS		SYSTEM LOAD				
Number of Systems	1	COIL COOLING PEAK			COIL HTG. PEAK	
Heating System		CFM	Sensible	Latent	CFM	Sensible
Output per System	10,000	276	5,525	395	92	3,373
Total Output (Btuh)	10,000		0			
Output (Btuh/sqft)	46.5		70			162
			0			0
Cooling System		CFM	Sensible	Latent	CFM	Sensible
Output per System	8,900	25	287	-11	25	1,308
Total Output (Btuh)	8,900		0			0
Total Output (Tons)	0.7		70			162
Total Output (Btuh/sqft)	41.4					
Total Output (sqft/Ton)	289.9	TOTAL SYSTEM LOAD		5,953	385	5,005

Air System		HVAC EQUIPMENT SELECTION				
CFM per System	431	FCU-3	8,614	0		5,355
Airflow (cfm)	431					
Airflow (cfm/sqft)	2.00					
Airflow (cfm/Ton)	581.1					
Outside Air (%)	5.8%	Total Adjusted System Output		8,614	0	5,355
Outside Air (cfm/sqft)	0.12	(Adjusted for Peak Design conditions)				
Note: values above given at ARI conditions		TIME OF SYSTEM PEAK		Aug 3 PM		Jan 1 AM

HEATING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Heating Peak)



COOLING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Cooling Peak)



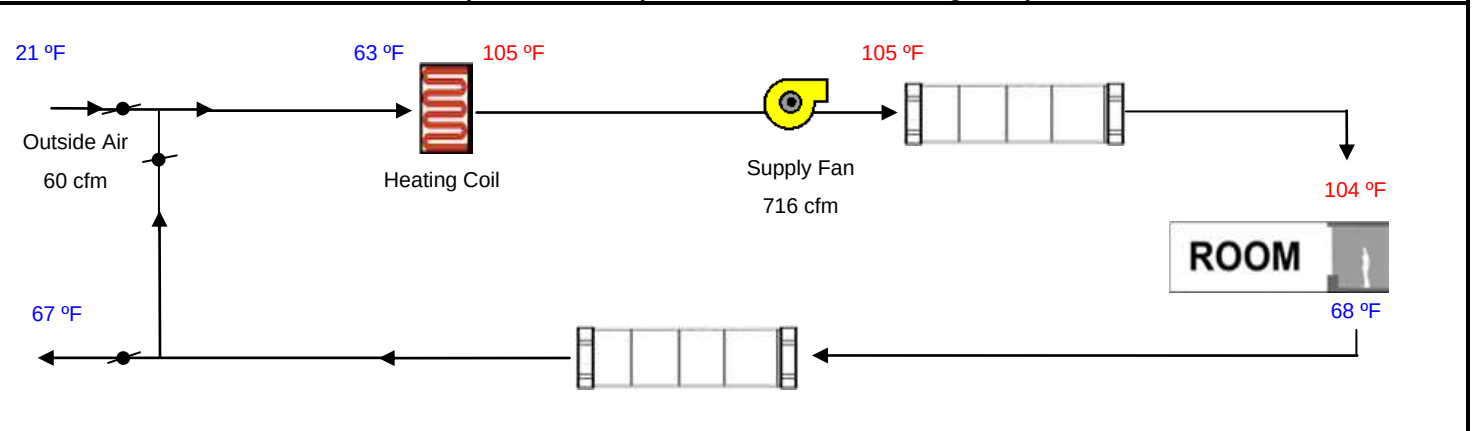
HVAC SYSTEM HEATING AND COOLING LOADS SUMMARY

Project Name		Date	3/27/2025
System Name	FCU-4/5	Floor Area	1,547

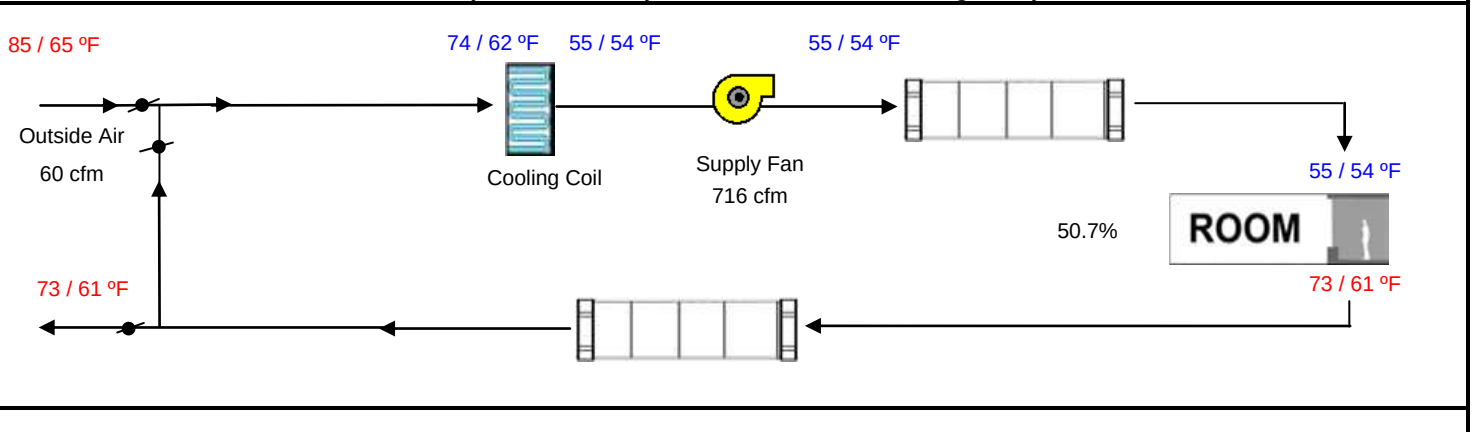
ENGINEERING CHECKS		SYSTEM LOAD					
Number of Systems	1	Total Room Loads Return Vented Lighting Return Air Ducts Return Fan Ventilation Supply Fan Supply Air Ducts TOTAL SYSTEM LOAD	COIL COOLING PEAK			COIL HTG. PEAK	
Heating System			CFM	Sensible	Latent	CFM	Sensible
Output per System	21,600		1,062	19,947	604	382	14,643
Total Output (Btuh)	21,600			0			
Output (Btuh/sqft)	14.0			254			702
Cooling System				0			0
Output per System	18,000		60	739	-26	60	2,961
Total Output (Btuh)	18,000			0			0
Total Output (Tons)	1.5			254			702
Total Output (Btuh/sqft)	11.6						
Total Output (sqft/Ton)	1,031.3		21,194	578	19,009		

Air System		HVAC EQUIPMENT SELECTION				
CFM per System	716	FCU-4				
Airflow (cfm)	716		17,378	0		11,568
Airflow (cfm/sqft)	0.46					
Airflow (cfm/Ton)	477.3					
Outside Air (%)	8.4%	Total Adjusted System Output		17,378	0	11,568
Outside Air (cfm/sqft)	0.04	(Adjusted for Peak Design conditions)				
Note: values above given at ARI conditions		TIME OF SYSTEM PEAK		Aug 3 PM		Jan 1 AM

HEATING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Heating Peak)



COOLING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Cooling Peak)



DOE-2 OUTPUT REPORT

Proposed

DOE-2 UNITS TABLE

	ENGLISH	MULTIPLIED BY	GIVES	METRIC	MULTIPLIED BY	GIVES	ENGLISH
1			1.000000			1.000000	
2			1.000000			1.000000	
3	BTU		0.293000	WH		3.412969	BTU
4	BTU/HR		0.293000	WATT		3.412969	BTU/HR
5	BTU/LB-F	4183.830078	J/KG-K			0.000239	BTU/LB-F
6	BTU/HR-SQFT-F	5.674460	W/M2-K			0.176228	BTU/HR-SQFT-F
7	DEGREES		1.000000	DEGREES		1.000000	DEGREES
9	SQFT		0.092903	M2		10.763915	SQFT
10	CUFT		0.028317	M3		35.314724	CUFT
11	LB/HR		0.453592	KG/HR		2.204624	LB/HR
12	LB/CUFT	16.018459	KG/M3			0.062428	LB/CUFT
13	MPH		0.447040	M/S		2.236936	MPH
14	BTU/HR-F		0.527178	W/K		1.896893	BTU/HR-F
15	FT		0.304800	M		3.280840	FT
16	BTU/HR-FT-F		1.729600	W/M-K		0.578168	BTU/HR-FT-F
17	BTU/HR- SQFT		3.152480	WATT /M2		0.317211	BTU/HR- SQFT
18	IN		2.540000	CM		0.393701	IN
19	UNITS/IN		0.393700	UNITS/CM		2.540005	UNITS/IN
20	UNITS		1.000000	UNITS		1.000000	UNITS
21	LB		0.453592	KG		2.204624	LB
22	FRAC.OR MULT.		1.000000	FRAC.OR MULT.		1.000000	FRAC.OR MULT.
23	HOURS		1.000000	HRS		1.000000	HOURS
24	PERCENT-RH		1.000000	PERCENT-RH		1.000000	PERCENT-RH
25	CFM		1.699010	M3/H		0.588578	CFM
26	IN-WATER	25.400000	MM-WATER			0.039370	IN-WATER
27	LB/SQFT		4.882400	KG/M2		0.204817	LB/SQFT
28	KW		1.000000	KW		1.000000	KW
29	W/SQFT		10.763920	W/M2		0.092903	W/SQFT
30	THERMS		25.000000	THERMIES		0.040000	THERMS
31	KNOTS		0.514440	M/SEC		1.943861	KNOTS
32	HR-SQFT-F /BTU		0.176228	M2-K /W		5.674467	HR-SQFT-F /BTU
33	\$DOLLARS		1.000000	\$DOLLARS		1.000000	\$DOLLARS
34	MBTU/HR		0.293000	MWATT		3.412969	MBTU/HR
35	YEARS		1.000000	YEARS		1.000000	YEARS
36	\$/HR		1.000000	\$/HR		1.000000	\$/HR
37	HRS/YEARS		1.000000	HRS/YEARS		1.000000	HRS/YEARS
38	PERCENT		1.000000	PERCENT		1.000000	PERCENT
39	\$/MONTH		1.000000	\$/MONTH		1.000000	\$/MONTH
40	GALLONS/MIN/TON		1.078000	LITERS/MIN/KW		0.927644	GALLONS/MIN/TON
41	BTU/LB		0.645683	WH/KG		1.548748	BTU/LB
42	LBS/SQIN-GAGE	68.947571	MBAR-GAGE			0.014504	LBS/SQIN-GAGE
43	\$/UNIT		1.000000	\$/UNIT		1.000000	\$/UNIT
44	BTU/HR/PERSON		0.293000	W/PERSON		3.412969	BTU/HR/PERSON
45	LBS/LB		1.000000	KGS/KG		1.000000	LBS/LB
46	BTU/BTU		1.000000	KWH/KWH		1.000000	BTU/BTU
47	LBS/KW		0.453590	KG/KW		2.204634	LBS/KW
48	REV/MIN		1.000000	REV/MIN		1.000000	REV/MIN
49	KW/TON		1.000000	KW/TON		1.000000	KW/TON
50	MBTU		0.293000	MWH		3.412969	MBTU
51	GAL		3.785410	LITER		0.264172	GAL
52	GAL/MIN		3.785410	LITERS/MIN		0.264172	GAL/MIN
53	BTU/F	1897.800049	J/K			0.000527	BTU/F
54	UNITS/HR		1.000000	UNITS/HR		1.000000	UNITS/HR
55	\$/UNIT-HR		1.000000	\$/UNIT-HR		1.000000	\$/UNIT-HR
56	KW/CFM		0.588500	KW/M3/HR		1.699235	KW/CFM
57	BTU/SQFT-F	20428.400391	J/M2-K			0.000049	BTU/SQFT-F
58	HR/HR		1.000000	HR/HR		1.000000	HR/HR
59	BTU/FT-F	6226.479980	J/M-K			0.000161	BTU/FT-F
60	R		0.555556	K		1.799999	R
61	INCH MER		33.863800	MBAR		0.029530	INCH MER
62	UNITS/GAL/MIN		0.264170	UNITS/LITER/MIN		3.785441	UNITS/GAL/MIN
63	(HR-SQFT-F/BTU)2		0.031056	(M2-K /W)2		32.199585	(HR-SQFT-F/BTU)2
64	KBTU/HR		0.293000	KW		3.412969	KBTU/HR
65	KBTU		0.293000	KWH		3.412969	KBTU
66	CFM		0.471900	L/S		2.119093	CFM
67	CFM/SQFT		18.288000	M3/H-M2		0.054681	CFM/SQFT
68	1/R		1.799900	1/K		0.555586	1/R
69	1/KNOT		1.943860	SEC/M		0.514440	1/KNOT
70	FOOTCANDLES		10.763910	LUX		0.092903	FOOTCANDLES
71	FOOTLAMBERT		3.426259	CANDELA/M2		0.291864	FOOTLAMBERT
72	LUMEN / WATT		1.000000	LUMEN / WATT		1.000000	LUMEN / WATT
73	KBTU/SQFT-YR		3.152480	KWH/M2-YR		0.317211	KBTU/SQFT-YR

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LV-C DETAILS OF SPACE

1-Fitness/Meetin

WEATHER FILE- SEATTLE SEATTLE-T WA

DATA FOR SPACE 1-Fitness/Meetin

LOCATION OF ORIGIN IN
BUILDING COORDINATES

XB (FT)	YB (FT)	ZB (FT)	SPACE AZIMUTH (DEG)	SPACE*FLOOR MULTIPLIER	HEIGHT (FT)	AREA (SQFT)	VOLUME (CUFT)
0.00	0.00	0.00	0.00	1.0	8.00	1084.00	8672.00

TOTAL NUMBER OF SURFACES	NUMBER OF EXTERIOR SURFACES	NUMBER OF INTERIOR SURFACES	NUMBER OF UNDERGROUND SURFACES	DAYLIGHTING	SUNSPACE
5	4	0	1	NO	NO

NUMBER OF SUBSURFACES

TOTAL	EXTERIOR WINDOWS	DOORS	INTERIOR WINDOWS
3	3	0	0

FLOOR WEIGHT (LB/SQFT)	CALCULATION TEMPERATURE (F)
91.4	72.0

INFILTRATION

SCHEDULE	INFILTRATION CALCULATION METHOD	FLOW RATE (CFM/SQFT)	AIR CHANGES PER HOUR	HEIGHT TO NEUTRAL ZONE (FT)
	AIR-CHANGE	0.00	0.00	0.0

PEOPLE

SCHEDULE	NUMBER	AREA PER PERSON (SQFT)	PEOPLE ACTIVITY (BTU/HR)	PEOPLE SENSIBLE (BTU/HR)	PEOPLE LATENT (BTU/HR)
SCHED-186	7.0	154.9	0.0	255.0	875.0

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LV-C DETAILS OF SPACE

1-Fitness/Meetin

WEATHER FILE- SEATTLE SEATTLE-T WA

----- (CONTINUED) -----

LIGHTING

SCHEDULE	LIGHTING TYPE	LOAD (WATTS/ SQFT)	LOAD (KW)	FRACTION OF LOAD TO SPACE
SCHED-187	REC-FLUOR-NV	0.75	0.00	1.00

TASK LIGHTING

SCHEDULE	LOAD (WATTS/ SQFT)	LOAD (KW)
SCHED-187	0.00	0.

ELECTRICAL EQUIPMENT

SCHEDULE	ELEC LOAD (WATTS/ SQFT)	ELEC LOAD (KW)	FRACTION OF LOAD TO SPACE	
			SENSIBLE	LATENT
SCHED-188	1.50	0.00	1.00	0.00

EXTERIOR SURFACES (U-VALUE EXCLUDES OUTSIDE AIR FILM)

SURFACE	MULTIPLIER	AREA (SQFT)	WIDTH (FT)	HEIGHT (FT)	CONSTRUCTION	U-VALUE		SURFACE TYPE
						(BTU/HR-SQFT-F)		
	1.0	340.00	42.50	8.00	Wall-0	0.097		DELAYED
	1.0	438.00	54.75	8.00	Wall-0	0.097		DELAYED
	1.0	269.04	33.63	8.00	Wall-0	0.097		DELAYED
	1.0	1083.73	32.92	32.92	Roof-2	0.032		DELAYED

SURFACE	AZIMUTH (DEG)	TILT (DEG)	LOCATION OF ORIGIN IN BUILDING COORDINATES			LOCATION OF ORIGIN IN SPACE COORDINATES		
			XB (FT)	YB (FT)	ZB (FT)	X (FT)	Y (FT)	Z (FT)
	0.0	90.0	0.00	0.00	0.00	0.00	0.00	0.00
	90.0	90.0	0.00	0.00	0.00	0.00	0.00	0.00
	270.0	90.0	0.00	0.00	0.00	0.00	0.00	0.00
	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

UNDERGROUND SURFACES (U-VALUE INCLUDES INSIDE AIR FILM)

SURFACE	MULTIPLIER	AREA (SQFT)	CONSTRUCTION	U-VALUE (BTU/HR-SQFT-F)
	1.0	1084.00	Slab-1	0.74

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LV-C DETAILS OF SPACE

1-Fitness/Meetin

WEATHER FILE- SEATTLE SEATTLE-T WA

----- (CONTINUED) -----

EXTERIOR WINDOWS (U-VALUE INCLUDES OUTSIDE AIR FILM)

WINDOW	MULTIPLIER	GLASS AREA (SQFT)	GLASS SHADING COEFF	NUMBER OF PANES	GLASS TYPE CODE	SET- BACK (FT)	GLASS WIDTH (FT)	GLASS HEIGHT (FT)	CENTER-OF- GLASS U-VALUE (BTU/HR-SQFT-F)	GLASS VISIBLE TRANS
	1.0	163.01	0.29	1	1	0.00	24.44	6.67	0.300	0.900
	1.0	136.00	0.29	1	1	0.00	20.39	6.67	0.300	0.900
	1.0	93.98	0.29	1	1	0.00	14.09	6.67	0.300	0.900

WINDOW	LOCATED IN SURFACE	LOCATION OF ORIGIN IN BUILDING COORDINATES			LOCATION OF ORIGIN IN SURFACE COORDINATES	
		XB (FT)	YB (FT)	ZB (FT)	X (FT)	Y (FT)
		0.00	0.00	0.00	0.00	0.00
		0.00	0.00	0.00	0.00	0.00
		0.00	0.00	0.00	0.00	0.00

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LV-C DETAILS OF SPACE

2-Gathering

WEATHER FILE- SEATTLE SEATTLE-T WA

DATA FOR SPACE 2-Gathering

LOCATION OF ORIGIN IN
BUILDING COORDINATES

XB (FT)	YB (FT)	ZB (FT)	SPACE AZIMUTH (DEG)	SPACE*FLOOR MULTIPLIER	HEIGHT (FT)	AREA (SQFT)	VOLUME (CUFT)
0.00	0.00	0.00	0.00	1.0	8.00	2128.00	17024.00

TOTAL NUMBER OF SURFACES	NUMBER OF EXTERIOR SURFACES	NUMBER OF INTERIOR SURFACES	NUMBER OF UNDERGROUND SURFACES	DAYLIGHTING	SUNSPACE
5	4	0	1	NO	NO

NUMBER OF SUBSURFACES

TOTAL	EXTERIOR WINDOWS	DOORS	INTERIOR WINDOWS
3	3	0	0

FLOOR WEIGHT (LB/SQFT)	CALCULATION TEMPERATURE (F)
91.3	72.0

INFILTRATION

SCHEDULE	INFILTRATION CALCULATION METHOD	FLOW RATE (CFM/SQFT)	AIR CHANGES PER HOUR	HEIGHT TO NEUTRAL ZONE (FT)
	AIR-CHANGE	0.00	0.00	0.0

PEOPLE

SCHEDULE	NUMBER	AREA PER PERSON (SQFT)	PEOPLE ACTIVITY (BTU/HR)	PEOPLE SENSIBLE (BTU/HR)	PEOPLE LATENT (BTU/HR)
SCHED-186	21.3	100.0	0.0	250.0	200.0

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LV-C DETAILS OF SPACE

2-Gathering

WEATHER FILE- SEATTLE SEATTLE-T WA

----- (CONTINUED) -----

LIGHTING

SCHEDULE	LIGHTING TYPE	LOAD (WATTS/ SQFT)	LOAD (KW)	FRACTION OF LOAD TO SPACE
SCHED-187	REC-FLUOR-NV	0.75	0.00	1.00

TASK LIGHTING

SCHEDULE	LOAD (WATTS/ SQFT)	LOAD (KW)
SCHED-187	0.00	0.

ELECTRICAL EQUIPMENT

SCHEDULE	ELEC LOAD (WATTS/ SQFT)	ELEC LOAD (KW)	FRACTION OF LOAD TO SPACE SENSIBLE	LATENT
SCHED-188	1.50	0.00	1.00	0.00

EXTERIOR SURFACES (U-VALUE EXCLUDES OUTSIDE AIR FILM)

SURFACE	MULTIPLIER	AREA (SQFT)	WIDTH (FT)	HEIGHT (FT)	CONSTRUCTION	U-VALUE (BTU/HR-SQFT-F)	SURFACE TYPE
	1.0	501.04	62.63	8.00	Wall-0	0.097	DELAYED
	1.0	517.04	64.63	8.00	Wall-0	0.097	DELAYED
	1.0	691.04	86.38	8.00	Wall-0	0.097	DELAYED
	1.0	638.07	25.26	25.26	Roof-2	0.032	DELAYED

SURFACE	AZIMUTH (DEG)	TILT (DEG)	LOCATION OF ORIGIN IN BUILDING COORDINATES			LOCATION OF ORIGIN IN SPACE COORDINATES		
			XB (FT)	YB (FT)	ZB (FT)	X (FT)	Y (FT)	Z (FT)
	90.0	90.0	0.00	0.00	0.00	0.00	0.00	0.00
	180.0	90.0	0.00	0.00	0.00	0.00	0.00	0.00
	270.0	90.0	0.00	0.00	0.00	0.00	0.00	0.00
	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

UNDERGROUND SURFACES (U-VALUE INCLUDES INSIDE AIR FILM)

SURFACE	MULTIPLIER	AREA (SQFT)	CONSTRUCTION	U-VALUE (BTU/HR-SQFT-F)
	1.0	2128.00	Slab-1	0.74

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LV-C DETAILS OF SPACE

2-Gathering

WEATHER FILE- SEATTLE SEATTLE-T WA

----- (CONTINUED) -----

EXTERIOR WINDOWS (U-VALUE INCLUDES OUTSIDE AIR FILM)

WINDOW	MULTIPLIER	GLASS AREA (SQFT)	GLASS SHADING COEFF	NUMBER OF PANES	GLASS TYPE CODE	SET- BACK (FT)	GLASS WIDTH (FT)	GLASS HEIGHT (FT)	CENTER-OF- GLASS U-VALUE (BTU/HR-SQFT-F)	GLASS VISIBLE TRANS
	1.0	104.99	0.29	1	1	0.00	15.74	6.67	0.300	0.900
	1.0	196.03	0.29	1	1	0.00	29.39	6.67	0.300	0.900
	1.0	178.02	0.29	1	1	0.00	26.69	6.67	0.300	0.900

WINDOW	LOCATED IN SURFACE	LOCATION OF ORIGIN IN BUILDING COORDINATES			LOCATION OF ORIGIN IN SURFACE COORDINATES	
		XB (FT)	YB (FT)	ZB (FT)	X (FT)	Y (FT)
		0.00	0.00	0.00	0.00	0.00
		0.00	0.00	0.00	0.00	0.00
		0.00	0.00	0.00	0.00	0.00

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LV-C DETAILS OF SPACE

3-Leasing

WEATHER FILE- SEATTLE SEATTLE-T WA

DATA FOR SPACE 3-Leasing

LOCATION OF ORIGIN IN
BUILDING COORDINATES

XB (FT)	YB (FT)	ZB (FT)	SPACE AZIMUTH (DEG)	SPACE*FLOOR MULTIPLIER	HEIGHT (FT)	AREA (SQFT)	VOLUME (CUFT)
0.00	0.00	0.00	0.00	1.0	8.00	215.00	1720.00

TOTAL NUMBER OF SURFACES	NUMBER OF EXTERIOR SURFACES	NUMBER OF INTERIOR SURFACES	NUMBER OF UNDERGROUND SURFACES	DAYLIGHTING	SUNSPACE
4	3	0	1	NO	NO

NUMBER OF SUBSURFACES

TOTAL	EXTERIOR WINDOWS	DOORS	INTERIOR WINDOWS
2	2	0	0

FLOOR WEIGHT (LB/SQFT)	CALCULATION TEMPERATURE (F)
91.4	72.0

INFILTRATION

SCHEDULE	INFILTRATION CALCULATION METHOD	FLOW RATE (CFM/SQFT)	AIR CHANGES PER HOUR	HEIGHT TO NEUTRAL ZONE (FT)
	AIR-CHANGE	0.00	0.00	0.0

PEOPLE

SCHEDULE	NUMBER	AREA PER PERSON (SQFT)	PEOPLE ACTIVITY (BTU/HR)	PEOPLE SENSIBLE (BTU/HR)	PEOPLE LATENT (BTU/HR)
SCHED-186	2.0	107.0	0.0	250.0	200.0

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LV-C DETAILS OF SPACE

3-Leasing

WEATHER FILE- SEATTLE SEATTLE-T WA

----- (CONTINUED) -----

LIGHTING

SCHEDULE	LIGHTING TYPE	LOAD (WATTS/ SQFT)	LOAD (KW)	FRACTION OF LOAD TO SPACE
SCHED-187	REC-FLUOR-NV	0.75	0.00	1.00

TASK LIGHTING

SCHEDULE	LOAD (WATTS/ SQFT)	LOAD (KW)
SCHED-187	0.00	0.

ELECTRICAL EQUIPMENT

SCHEDULE	ELEC LOAD (WATTS/ SQFT)	ELEC LOAD (KW)	FRACTION OF LOAD TO SPACE	
			SENSIBLE	LATENT
SCHED-188	1.50	0.00	1.00	0.00

EXTERIOR SURFACES (U-VALUE EXCLUDES OUTSIDE AIR FILM)

SURFACE	MULTIPLIER	AREA (SQFT)	WIDTH (FT)	HEIGHT (FT)	CONSTRUCTION	U-VALUE	SURFACE TYPE
						(BTU/HR-SQFT-F)	
	1.0	176.00	22.00	8.00	Wall-0	0.097	DELAYED
	1.0	135.04	16.88	8.00	Wall-0	0.097	DELAYED
	1.0	214.92	14.66	14.66	Roof-2	0.032	DELAYED

SURFACE	AZIMUTH (DEG)	TILT (DEG)	LOCATION OF ORIGIN IN BUILDING COORDINATES			LOCATION OF ORIGIN IN SPACE COORDINATES		
			XB (FT)	YB (FT)	ZB (FT)	X (FT)	Y (FT)	Z (FT)
	0.0	90.0	0.00	0.00	0.00	0.00	0.00	0.00
	270.0	90.0	0.00	0.00	0.00	0.00	0.00	0.00
	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

UNDERGROUND SURFACES (U-VALUE INCLUDES INSIDE AIR FILM)

SURFACE	MULTIPLIER	AREA (SQFT)	CONSTRUCTION	U-VALUE (BTU/HR-SQFT-F)
	1.0	215.00	Slab-1	0.74

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LV-C DETAILS OF SPACE

3-Leasing

WEATHER FILE- SEATTLE SEATTLE-T WA

----- (CONTINUED) -----

EXTERIOR WINDOWS (U-VALUE INCLUDES OUTSIDE AIR FILM)

WINDOW	MULTIPLIER	GLASS AREA (SQFT)	GLASS SHADING COEFF	NUMBER OF PANES	GLASS TYPE CODE	SET- BACK (FT)	GLASS WIDTH (FT)	GLASS HEIGHT (FT)	CENTER-OF- GLASS U-VALUE (BTU/HR-SQFT-F)	GLASS VISIBLE TRANS
	1.0	78.97	0.29	1	1	0.00	11.84	6.67	0.300	0.900
	1.0	42.02	0.29	1	1	0.00	6.30	6.67	0.300	0.900

WINDOW	LOCATED IN SURFACE	LOCATION OF ORIGIN IN BUILDING COORDINATES			LOCATION OF ORIGIN IN SURFACE COORDINATES	
		XB (FT)	YB (FT)	ZB (FT)	X (FT)	Y (FT)
		0.00	0.00	0.00	0.00	0.00
		0.00	0.00	0.00	0.00	0.00

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LV-C DETAILS OF SPACE

4-Apartment

WEATHER FILE- SEATTLE SEATTLE-T WA

DATA FOR SPACE 4-Apartment

LOCATION OF ORIGIN IN
BUILDING COORDINATES

XB (FT)	YB (FT)	ZB (FT)	SPACE AZIMUTH (DEG)	SPACE*FLOOR MULTIPLIER	HEIGHT (FT)	AREA (SQFT)	VOLUME (CUFT)
0.00	0.00	0.00	0.00	1.0	8.00	1547.00	12376.00

TOTAL NUMBER OF SURFACES	NUMBER OF EXTERIOR SURFACES	NUMBER OF INTERIOR SURFACES	NUMBER OF UNDERGROUND SURFACES	DAYLIGHTING	SUNSPACE
5	5	0	0	NO	NO

NUMBER OF SUBSURFACES

TOTAL	EXTERIOR WINDOWS	DOORS	INTERIOR WINDOWS
4	4	0	0

FLOOR WEIGHT (LB/SQFT)	CALCULATION TEMPERATURE (F)
68.0	70.0

INFILTRATION

SCHEDULE	INFILTRATION CALCULATION METHOD	FLOW RATE (CFM/SQFT)	AIR CHANGES PER HOUR	HEIGHT TO NEUTRAL ZONE (FT)
	AIR-CHANGE	0.00	0.00	0.0

PEOPLE

SCHEDULE	NUMBER	AREA PER PERSON (SQFT)	PEOPLE ACTIVITY (BTU/HR)	PEOPLE SENSIBLE (BTU/HR)	PEOPLE LATENT (BTU/HR)
SCHED-186	3.0	515.6	0.0	250.0	200.0

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LV-C DETAILS OF SPACE

4-Apartment

WEATHER FILE- SEATTLE SEATTLE-T WA

----- (CONTINUED) -----

LIGHTING

SCHEDULE	LIGHTING TYPE	LOAD (WATTS/ SQFT)	LOAD (KW)	FRACTION OF LOAD TO SPACE
SCHED-187	REC-FLUOR-NV	0.50	0.00	1.00

TASK LIGHTING

SCHEDULE	LOAD (WATTS/ SQFT)	LOAD (KW)
SCHED-187	0.00	0.

ELECTRICAL EQUIPMENT

SCHEDULE	ELEC LOAD (WATTS/ SQFT)	ELEC LOAD (KW)	FRACTION OF LOAD TO SPACE	
			SENSIBLE	LATENT
SCHED-188	0.50	0.00	1.00	0.00

EXTERIOR SURFACES (U-VALUE EXCLUDES OUTSIDE AIR FILM)

SURFACE	MULTIPLIER	AREA (SQFT)	WIDTH (FT)	HEIGHT (FT)	CONSTRUCTION	U-VALUE (BTU/HR-SQFT-F)	SURFACE TYPE
	1.0	419.04	52.38	8.00	Wall-0	0.097	DELAYED
	1.0	369.04	46.13	8.00	Wall-0	0.097	DELAYED
	1.0	422.00	52.75	8.00	Wall-0	0.097	DELAYED
	1.0	369.04	46.13	8.00	Wall-0	0.097	DELAYED
	1.0	1546.85	39.33	39.33	Roof-2	0.032	DELAYED

SURFACE	AZIMUTH (DEG)	TILT (DEG)	LOCATION OF ORIGIN IN BUILDING COORDINATES			LOCATION OF ORIGIN IN SPACE COORDINATES		
			XB (FT)	YB (FT)	ZB (FT)	X (FT)	Y (FT)	Z (FT)
	0.0	90.0	0.00	0.00	0.00	0.00	0.00	0.00
	90.0	90.0	0.00	0.00	0.00	0.00	0.00	0.00
	180.0	90.0	0.00	0.00	0.00	0.00	0.00	0.00
	270.0	90.0	0.00	0.00	0.00	0.00	0.00	0.00
	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LV-C DETAILS OF SPACE

4-Apartment

WEATHER FILE- SEATTLE SEATTLE-T WA

----- (CONTINUED) -----

EXTERIOR WINDOWS (U-VALUE INCLUDES OUTSIDE AIR FILM)

WINDOW	MULTIPLIER	GLASS AREA (SQFT)	GLASS SHADING COEFF	NUMBER OF PANES	GLASS TYPE CODE	SET- BACK (FT)	GLASS WIDTH (FT)	GLASS HEIGHT (FT)	CENTER-OF- GLASS U-VALUE (BTU/HR-SQFT-F)	GLASS VISIBLE TRANS
	1.0	41.02	0.29	1	1	0.00	6.15	6.67	0.300	0.900
	1.0	79.97	0.29	1	1	0.00	11.99	6.67	0.300	0.900
	1.0	79.97	0.29	1	1	0.00	11.99	6.67	0.300	0.900
	1.0	79.97	0.29	1	1	0.00	11.99	6.67	0.300	0.900

WINDOW	LOCATED IN SURFACE	LOCATION OF ORIGIN IN BUILDING COORDINATES			LOCATION OF ORIGIN IN SURFACE COORDINATES	
		XB (FT)	YB (FT)	ZB (FT)	X (FT)	Y (FT)
		0.00	0.00	0.00	0.00	0.00
		0.00	0.00	0.00	0.00	0.00
		0.00	0.00	0.00	0.00	0.00
		0.00	0.00	0.00	0.00	0.00

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LV-D DETAILS OF EXTERIOR SURFACES IN THE PROJECT

WEATHER FILE- SEATTLE SEATTLE-T WA

NUMBER OF EXTERIOR SURFACES 16 RECTANGULAR 16 OTHER 0
 (U-VALUE INCLUDES OUTSIDE AIR FILM; WINDOW INCLUDES FRAME, IF DEFINED)

SURFACE	SPACE	- - - W I N D O W S - - -		- - - W A L L - - -		- W A L L + W I N D O W S -		AZIMUTH
		U-VALUE (BTU/HR-SQFT-F)	AREA (SQFT)	U-VALUE (BTU/HR-SQFT-F)	AREA (SQFT)	U-VALUE (BTU/HR-SQFT-F)	AREA (SQFT)	
1-Fitness/Meetin		0.300	163.01	0.093	176.99	0.192	340.00	NORTH
3-Leasing		0.300	78.97	0.093	97.03	0.186	176.00	NORTH
4-Apartment		0.300	41.02	0.093	378.02	0.114	419.04	NORTH
1-Fitness/Meetin		0.300	136.00	0.093	302.00	0.158	438.00	EAST
2-Gathering		0.300	104.99	0.093	396.05	0.137	501.04	EAST
4-Apartment		0.300	79.97	0.093	289.07	0.138	369.04	EAST
2-Gathering		0.300	196.03	0.093	321.01	0.172	517.04	SOUTH
4-Apartment		0.300	79.97	0.093	342.03	0.133	422.00	SOUTH
2-Gathering		0.300	178.02	0.093	513.02	0.147	691.04	WEST
1-Fitness/Meetin		0.300	93.98	0.093	175.06	0.166	269.04	WEST
3-Leasing		0.300	42.02	0.093	93.02	0.158	135.04	WEST
4-Apartment		0.300	79.97	0.093	289.07	0.138	369.04	WEST
2-Gathering		0.000	0.00	0.032	638.07	0.032	638.07	ROOF
3-Leasing		0.000	0.00	0.032	214.92	0.032	214.92	ROOF
1-Fitness/Meetin		0.000	0.00	0.032	1083.73	0.032	1083.73	ROOF
4-Apartment		0.000	0.00	0.032	1546.85	0.032	1546.85	ROOF
1-Fitness/Meetin		0.000	0.00	0.735	1084.00	0.735	1084.00	UNDERGRND
2-Gathering		0.000	0.00	0.735	2128.00	0.735	2128.00	UNDERGRND
3-Leasing		0.000	0.00	0.735	215.00	0.735	215.00	UNDERGRND

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LV-D DETAILS OF EXTERIOR SURFACES IN THE PROJECT

WEATHER FILE- SEATTLE SEATTLE-T WA

----- (CONTINUED) -----

	AVERAGE U-VALUE/WINDOWS (BTU/HR-SQFT-F)	AVERAGE U-VALUE/WALLS (BTU/HR-SQFT-F)	AVERAGE U-VALUE WALLS+WINDOWS (BTU/HR-SQFT-F)	WINDOW AREA (SQFT)	WALL AREA (SQFT)	WINDOW+WALL AREA (SQFT)
NORTH	0.300	0.093	0.156	283.01	652.03	935.04
EAST	0.300	0.093	0.144	320.96	987.12	1308.08
SOUTH	0.300	0.093	0.154	276.00	663.04	939.04
WEST	0.300	0.093	0.149	394.00	1070.16	1464.16
ROOF	0.000	0.032	0.032	0.00	3483.56	3483.56
ALL WALLS	0.300	0.093	0.150	1273.97	3372.35	4646.32
WALLS+ROOFS	0.300	0.062	0.099	1273.97	6855.91	8129.88
UNDERGRND	0.000	0.735	0.735	0.00	3427.00	3427.00
BUILDING	0.300	0.286	0.288	1273.97	10282.91	11556.88

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LV-I DETAILS OF CONSTRUCTIONS OCCURRING IN THE PROJECT

WEATHER FILE- SEATTLE SEATTLE-T WA

NUMBER OF CONSTRUCTIONS 3 DELAYED 3 QUICK 0

CONSTRUCTION NAME	U-VALUE (BTU/HR-SQFT-F)	SURFACE ABSORPTANCE	SURFACE ROUGHNESS INDEX	SURFACE TYPE	NUMBER OF RESPONSE FACTORS
Wall-0	0.097	0.70	1	DELAYED	9
Slab-1	0.735	0.70	3	DELAYED	5
Roof-2	0.032	0.90	3	DELAYED	11

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LS-A SPACE PEAK LOADS SUMMARY

WEATHER FILE- SEATTLE SEATTLE-T WA

SPACE NAME	MULTIPLIER SPACE FLOOR	COOLING LOAD (KBTU/HR)	TIME OF PEAK	DRY- BULB	WET- BULB	HEATING LOAD (KBTU/HR)	TIME OF PEAK	DRY- BULB	WET- BULB
1-Fitness/Meetin	1. 1.	15.070	AUG 10 8 PM	86.F	65.F	-6.826	FEB 19 5 AM	22.F	21.F
2-Gathering	1. 1.	27.379	AUG 10 8 PM	86.F	65.F	-5.096	FEB 19 5 AM	22.F	21.F
3-Leasing	1. 1.	4.037	AUG 10 8 PM	86.F	65.F	-2.062	FEB 19 5 AM	22.F	21.F
4-Apartment	1. 1.	15.778	AUG 10 7 PM	87.F	67.F	-10.081	FEB 19 5 AM	22.F	21.F
SUM		62.264				-24.065			
BUILDING PEAK		61.524	AUG 10 8 PM	86.F	65.F	-24.065	FEB 19 5 AM	22.F	21.F

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LS-B SPACE PEAK LOAD COMPONENTS

1-Fitness/Meetin

WEATHER FILE- SEATTLE SEATTLE-T WA

SPACE 1-Fitness/Meetin

SPACE TEMPERATURE USED FOR THE LOADS CALCULATION IS 72 F / 22 C

MULTIPLIER	1.0	FLOOR MULTIPLIER	1.0
FLOOR AREA	1084 SQFT	101 M2	
VOLUME	8672 CUFT	246 M3	

TIME	COOLING LOAD		HEATING LOAD	
	AUG 10	8PM	FEB 19	5AM
DRY-BULB TEMP	86 F	30 C	22 F	-6 C
WET-BULB TEMP	65 F	18 C	21 F	-6 C
TOT HORIZONTAL SOLAR RAD	31 BTU/H.SQFT	97 W/M2	0 BTU/H.SQFT	0 W/M2
WINDSPEED AT SPACE	3.8 KTS	2.0 M/S	4.5 KTS	2.3 M/S
CLOUD AMOUNT 0(CLEAR)-10	0		0	

	SENSIBLE		LATENT		SENSIBLE	
	(KBTU/H)	(KW)	(KBTU/H)	(KW)	(KBTU/H)	(KW)
WALL CONDUCTION	1.798	0.527	0.000	0.000	-2.912	-0.853
ROOF CONDUCTION	1.843	0.540	0.000	0.000	-1.761	-0.516
WINDOW GLASS+FRM COND	0.836	0.245	0.000	0.000	-5.417	-1.587
WINDOW GLASS SOLAR	4.998	1.465	0.000	0.000	0.518	0.152
DOOR CONDUCTION	0.000	0.000	0.000	0.000	0.000	0.000
INTERNAL SURFACE COND	0.000	0.000	0.000	0.000	0.000	0.000
UNDERGROUND SURF COND	-0.001	0.000	0.000	0.000	-0.003	-0.001
OCCUPANTS TO SPACE	1.468	0.430	5.511	1.615	1.528	0.448
LIGHT TO SPACE	0.468	0.137	0.000	0.000	0.205	0.060
EQUIPMENT TO SPACE	3.659	1.072	0.000	0.000	1.017	0.298
PROCESS TO SPACE	0.000	0.000	0.000	0.000	0.000	0.000
INFILTRATION	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	15.070	4.416	5.511	1.615	-6.826	-2.000
TOTAL / AREA	0.014	0.044	0.005	0.016	-0.006	-0.020
TOTAL LOAD	20.581 KBTU/H		6.030 KW		-6.826 KBTU/H	-2.000 KW
TOTAL LOAD / AREA	18.99 BTU/H.SQFT		59.879 W/M2		6.297 BTU/H.SQFT	19.858 W/M2

* NOTE 1)THE ABOVE LOADS EXCLUDE OUTSIDE VENTILATION AIR *

* ---- LOADS *

* 2)TIMES GIVEN IN STANDARD TIME FOR THE LOCATION *

* IN CONSIDERATION *

* 3)THE ABOVE LOADS ARE CALCULATED ASSUMING A *

* CONSTANT INDOOR SPACE TEMPERATURE *

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LS-B SPACE PEAK LOAD COMPONENTS

2-Gathering

WEATHER FILE- SEATTLE SEATTLE-T WA

SPACE 2-Gathering

SPACE TEMPERATURE USED FOR THE LOADS CALCULATION IS 72 F / 22 C

MULTIPLIER	1.0	FLOOR MULTIPLIER	1.0
FLOOR AREA	2128 SQFT	198 M2	
VOLUME	17024 CUFT	482 M3	

TIME	COOLING LOAD		HEATING LOAD	
	AUG 10	8PM	FEB 19	5AM
DRY-BULB TEMP	86 F	30 C	22 F	-6 C
WET-BULB TEMP	65 F	18 C	21 F	-6 C
TOT HORIZONTAL SOLAR RAD	31 BTU/H.SQFT	97 W/M2	0 BTU/H.SQFT	0 W/M2
WINDSPEED AT SPACE	3.8 KTS	2.0 M/S	4.5 KTS	2.3 M/S
CLOUD AMOUNT 0(CLEAR)-10	0		0	

	SENSIBLE		LATENT		SENSIBLE	
	(KBTU/H)	(KW)	(KBTU/H)	(KW)	(KBTU/H)	(KW)
WALL CONDUCTION	4.353	1.275	0.000	0.000	-5.454	-1.598
ROOF CONDUCTION	1.085	0.318	0.000	0.000	-1.037	-0.304
WINDOW GLASS+FRM COND	1.018	0.298	0.000	0.000	-6.591	-1.931
WINDOW GLASS SOLAR	8.446	2.475	0.000	0.000	1.040	0.305
DOOR CONDUCTION	0.000	0.000	0.000	0.000	0.000	0.000
INTERNAL SURFACE COND	0.000	0.000	0.000	0.000	0.000	0.000
UNDERGROUND SURF COND	-0.003	-0.001	0.000	0.000	-0.006	-0.002
OCCUPANTS TO SPACE	4.377	1.283	3.830	1.122	4.554	1.334
LIGHT TO SPACE	0.919	0.269	0.000	0.000	0.402	0.118
EQUIPMENT TO SPACE	7.184	2.105	0.000	0.000	1.996	0.585
PROCESS TO SPACE	0.000	0.000	0.000	0.000	0.000	0.000
INFILTRATION	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	27.379	8.022	3.830	1.122	-5.096	-1.493
TOTAL / AREA	0.013	0.041	0.002	0.006	-0.002	-0.008
TOTAL LOAD	31.209 KBTU/H		9.144 KW		-5.096 KBTU/H	-1.493 KW
TOTAL LOAD / AREA	14.67 BTU/H.SQFT		46.254 W/M2		2.395 BTU/H.SQFT	7.553 W/M2

* NOTE 1)THE ABOVE LOADS EXCLUDE OUTSIDE VENTILATION AIR *

* ---- LOADS *

* 2)TIMES GIVEN IN STANDARD TIME FOR THE LOCATION *

* IN CONSIDERATION *

* 3)THE ABOVE LOADS ARE CALCULATED ASSUMING A *

* CONSTANT INDOOR SPACE TEMPERATURE *

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LS-B SPACE PEAK LOAD COMPONENTS

3-Leasing

WEATHER FILE- SEATTLE SEATTLE-T WA

SPACE 3-Leasing

SPACE TEMPERATURE USED FOR THE LOADS CALCULATION IS 72 F / 22 C

MULTIPLIER	1.0	FLOOR MULTIPLIER	1.0
FLOOR AREA	215 SQFT	20 M2	
VOLUME	1720 CUFT	49 M3	

TIME	COOLING LOAD		HEATING LOAD	
	AUG 10	8PM	FEB 19	5AM
DRY-BULB TEMP	86 F	30 C	22 F	-6 C
WET-BULB TEMP	65 F	18 C	21 F	-6 C
TOT HORIZONTAL SOLAR RAD	31 BTU/H.SQFT	97 W/M2	0 BTU/H.SQFT	0 W/M2
WINDSPEED AT SPACE	3.8 KTS	2.0 M/S	4.5 KTS	2.3 M/S
CLOUD AMOUNT 0(CLEAR)-10	0		0	

	SENSIBLE		LATENT		SENSIBLE	
	(KBTU/H)	(KW)	(KBTU/H)	(KW)	(KBTU/H)	(KW)
WALL CONDUCTION	0.654	0.192	0.000	0.000	-0.849	-0.249
ROOF CONDUCTION	0.365	0.107	0.000	0.000	-0.349	-0.102
WINDOW GLASS+FRM COND	0.261	0.076	0.000	0.000	-1.670	-0.489
WINDOW GLASS SOLAR	1.525	0.447	0.000	0.000	0.135	0.040
DOOR CONDUCTION	0.000	0.000	0.000	0.000	0.000	0.000
INTERNAL SURFACE COND	0.000	0.000	0.000	0.000	0.000	0.000
UNDERGROUND SURF COND	0.000	0.000	0.000	0.000	-0.001	0.000
OCCUPANTS TO SPACE	0.413	0.121	0.362	0.106	0.430	0.126
LIGHT TO SPACE	0.093	0.027	0.000	0.000	0.041	0.012
EQUIPMENT TO SPACE	0.726	0.213	0.000	0.000	0.202	0.059
PROCESS TO SPACE	0.000	0.000	0.000	0.000	0.000	0.000
INFILTRATION	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	4.037	1.183	0.362	0.106	-2.062	-0.604
TOTAL / AREA	0.019	0.059	0.002	0.005	-0.010	-0.030
TOTAL LOAD	4.398 KBTU/H	1.289 KW			-2.062 KBTU/H	-0.604 KW
TOTAL LOAD / AREA	20.46 BTU/H.SQFT	64.517 W/M2			9.592 BTU/H.SQFT	30.251 W/M2

* NOTE 1)THE ABOVE LOADS EXCLUDE OUTSIDE VENTILATION AIR *

* ---- LOADS *

* 2)TIMES GIVEN IN STANDARD TIME FOR THE LOCATION *

* IN CONSIDERATION *

* 3)THE ABOVE LOADS ARE CALCULATED ASSUMING A *

* CONSTANT INDOOR SPACE TEMPERATURE *

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LS-B SPACE PEAK LOAD COMPONENTS

4-Apartment

WEATHER FILE- SEATTLE SEATTLE-T WA

SPACE 4-Apartment

SPACE TEMPERATURE USED FOR THE LOADS CALCULATION IS 70 F / 21 C

MULTIPLIER	1.0	FLOOR MULTIPLIER	1.0
FLOOR AREA	1547 SQFT	144 M2	
VOLUME	12376 CUFT	350 M3	

TIME	COOLING LOAD		HEATING LOAD	
	AUG 10	7PM	FEB 19	5AM
DRY-BULB TEMP	87 F	31 C	22 F	-6 C
WET-BULB TEMP	67 F	19 C	21 F	-6 C
TOT HORIZONTAL SOLAR RAD	84 BTU/H.SQFT	264 W/M2	0 BTU/H.SQFT	0 W/M2
WINDSPEED AT SPACE	3.2 KTS	1.6 M/S	4.5 KTS	2.3 M/S
CLOUD AMOUNT 0(CLEAR)-10	0		0	

	SENSIBLE		LATENT		SENSIBLE	
	(KBTU/H)	(KW)	(KBTU/H)	(KW)	(KBTU/H)	(KW)
WALL CONDUCTION	4.240	1.242	0.000	0.000	-5.579	-1.635
ROOF CONDUCTION	3.413	1.000	0.000	0.000	-2.451	-0.718
WINDOW GLASS+FRM COND	0.813	0.238	0.000	0.000	-3.744	-1.097
WINDOW GLASS SOLAR	4.922	1.442	0.000	0.000	0.388	0.114
DOOR CONDUCTION	0.000	0.000	0.000	0.000	0.000	0.000
INTERNAL SURFACE COND	0.000	0.000	0.000	0.000	0.000	0.000
UNDERGROUND SURF COND	0.000	0.000	0.000	0.000	0.000	0.000
OCCUPANTS TO SPACE	0.606	0.178	0.540	0.158	0.650	0.190
LIGHT TO SPACE	0.428	0.125	0.000	0.000	0.189	0.055
EQUIPMENT TO SPACE	1.355	0.397	0.000	0.000	0.465	0.136
PROCESS TO SPACE	0.000	0.000	0.000	0.000	0.000	0.000
INFILTRATION	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	15.778	4.623	0.540	0.158	-10.081	-2.954
TOTAL / AREA	0.010	0.032	0.000	0.001	-0.007	-0.021
TOTAL LOAD	16.318 KBTU/H		4.781 KW		-10.081 KBTU/H	-2.954 KW
TOTAL LOAD / AREA	10.55 BTU/H.SQFT		33.268 W/M2		6.517 BTU/H.SQFT	20.553 W/M2

* NOTE 1)THE ABOVE LOADS EXCLUDE OUTSIDE VENTILATION AIR *

* ---- LOADS *

* 2)TIMES GIVEN IN STANDARD TIME FOR THE LOCATION *

* IN CONSIDERATION *

* 3)THE ABOVE LOADS ARE CALCULATED ASSUMING A *

* CONSTANT INDOOR SPACE TEMPERATURE *

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LS-C BUILDING PEAK LOAD COMPONENTS

WEATHER FILE- SEATTLE SEATTLE-T WA

*** BUILDING ***

FLOOR AREA	4974	SQFT	462	M2
VOLUME	39792	CUFT	1127	M3

TIME	COOLING LOAD		HEATING LOAD	
	AUG 10	8PM	FEB 19	5AM
DRY-BULB TEMP	86 F	30 C	22 F	-6 C
WET-BULB TEMP	65 F	18 C	21 F	-6 C
TOT HORIZONTAL SOLAR RAD	31 BTU/H.SQFT	97 W/M2	0 BTU/H.SQFT	0 W/M2
WINDSPEED AT SPACE	3.8 KTS	2.0 M/S	4.5 KTS	2.3 M/S
CLOUD AMOUNT 0(CLEAR)-10	0		0	

	SENSIBLE		LATENT		SENSIBLE	
	(KBTU/H)	(KW)	(KBTU/H)	(KW)	(KBTU/H)	(KW)
WALL CONDUCTION	10.787	3.161	0.000	0.000	-14.794	-4.335
ROOF CONDUCTION	6.143	1.800	0.000	0.000	-5.598	-1.640
WINDOW GLASS+FRM COND	2.903	0.851	0.000	0.000	-17.423	-5.105
WINDOW GLASS SOLAR	19.576	5.736	0.000	0.000	2.081	0.610
DOOR CONDUCTION	0.000	0.000	0.000	0.000	0.000	0.000
INTERNAL SURFACE COND	0.000	0.000	0.000	0.000	0.000	0.000
UNDERGROUND SURF COND	-0.004	-0.001	0.000	0.000	-0.009	-0.003
OCCUPANTS TO SPACE	6.875	2.014	10.243	3.001	7.162	2.098
LIGHT TO SPACE	1.928	0.565	0.000	0.000	0.837	0.245
EQUIPMENT TO SPACE	13.318	3.902	0.000	0.000	3.679	1.078
PROCESS TO SPACE	0.000	0.000	0.000	0.000	0.000	0.000
INFILTRATION	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	61.524	18.027	10.243	3.001	-24.065	-7.051
TOTAL / AREA	0.012	0.039	0.002	0.006	-0.005	-0.015
TOTAL LOAD	71.768 KBTU/H		21.028 KW		-24.065 KBTU/H	-7.051 KW
TOTAL LOAD / AREA	14.43 BTU/H.SQFT		45.505 W/M2		4.838 BTU/H.SQFT	15.259 W/M2

* NOTE 1)THE ABOVE LOADS EXCLUDE OUTSIDE VENTILATION AIR *

* ---- LOADS *

* 2)TIMES GIVEN IN STANDARD TIME FOR THE LOCATION *

* IN CONSIDERATION *

* 3)THE ABOVE LOADS ARE CALCULATED ASSUMING A *

* CONSTANT INDOOR SPACE TEMPERATURE *

Proposed

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

WEATHER FILE- SEATTLE SEATTLE-T WA

EnergyPro 9.4 by EnergySoft User Number: 6394 ID: 810-010 Page 44 of 280

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LS-E SPACE MONTHLY LOAD COMPONENTS IN MBTU FOR

1-Fitness/Meetin

WEATHER FILE- SEATTLE SEATTLE-T WA

(UNITS=MBTU)		WALLS	ROOFS	INT SUR	UND SUR	INFIL	WIN CON	WIN SOL	OCCUP	LIGHTS	EQUIP	SOURCE	TOTAL
JAN	HEATNG	-1.332	-0.758	0.000	-0.002	0.000	-2.504	0.464	0.817	0.228	1.376	0.000	-1.710
	SEN CL	-0.092	-0.052	0.000	0.000	0.000	-0.172	0.037	0.083	0.029	0.207	0.000	0.041
	LAT CL					0.000			0.314		0.000	0.000	0.314
FEB	HEATNG	-0.898	-0.503	0.000	-0.001	0.000	-1.725	0.464	0.579	0.151	0.891	0.000	-1.042
	SEN CL	-0.244	-0.106	0.000	-0.001	0.000	-0.544	0.300	0.236	0.082	0.539	0.000	0.261
	LAT CL					0.000			0.825		0.000	0.000	0.825
MAR	HEATNG	-0.539	-0.312	0.000	-0.001	0.000	-1.031	0.307	0.431	0.087	0.525	0.000	-0.532
	SEN CL	-0.443	-0.124	0.000	-0.001	0.000	-1.127	0.921	0.471	0.170	1.058	0.000	0.925
	LAT CL					0.000			1.606		0.000	0.000	1.606
APR	HEATNG	-0.284	-0.163	0.000	-0.001	0.000	-0.549	0.212	0.259	0.045	0.267	0.000	-0.214
	SEN CL	-0.380	-0.012	0.000	-0.002	0.000	-1.195	1.530	0.608	0.204	1.266	0.000	2.020
	LAT CL					0.000			2.057		0.000	0.000	2.057
MAY	HEATNG	-0.128	-0.072	0.000	0.000	0.000	-0.250	0.111	0.133	0.021	0.122	0.000	-0.063
	SEN CL	-0.321	0.112	0.000	-0.002	0.000	-1.240	1.999	0.769	0.236	1.460	0.000	3.014
	LAT CL					0.000			2.620		0.000	0.000	2.620
JUN	HEATNG	-0.015	-0.009	0.000	0.000	0.000	-0.030	0.016	0.018	0.003	0.013	0.000	-0.004
	SEN CL	-0.184	0.202	0.000	-0.001	0.000	-1.061	2.226	0.853	0.246	1.518	0.000	3.799
	LAT CL					0.000			2.923		0.000	0.000	2.923
JUL	HEATNG	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	SEN CL	-0.020	0.325	0.000	-0.001	0.000	-0.832	2.348	0.899	0.257	1.583	0.000	4.559
	LAT CL					0.000			3.085		0.000	0.000	3.085
AUG	HEATNG	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	SEN CL	0.017	0.246	0.000	-0.001	0.000	-0.673	2.049	0.902	0.257	1.583	0.000	4.380
	LAT CL					0.000			3.097		0.000	0.000	3.097
SEP	HEATNG	-0.043	-0.028	0.000	0.000	0.000	-0.083	0.028	0.053	0.008	0.046	0.000	-0.020
	SEN CL	-0.251	0.022	0.000	-0.001	0.000	-1.081	1.493	0.819	0.241	1.486	0.000	2.727
	LAT CL					0.000			2.801		0.000	0.000	2.801
OCT	HEATNG	-0.356	-0.215	0.000	0.000	0.000	-0.676	0.184	0.339	0.067	0.406	0.000	-0.251
	SEN CL	-0.409	-0.154	0.000	-0.001	0.000	-1.040	0.867	0.560	0.190	1.176	0.000	1.189
	LAT CL					0.000			1.920		0.000	0.000	1.920
NOV	HEATNG	-0.810	-0.462	0.000	-0.001	0.000	-1.538	0.316	0.603	0.153	0.904	0.000	-0.835
	SEN CL	-0.259	-0.129	0.000	0.000	0.000	-0.552	0.237	0.278	0.096	0.627	0.000	0.297
	LAT CL					0.000			0.972		0.000	0.000	0.972
DEC	HEATNG	-1.249	-0.737	0.000	-0.002	0.000	-2.335	0.399	0.809	0.225	1.352	0.000	-1.538
	SEN CL	-0.106	-0.059	0.000	0.000	0.000	-0.209	0.060	0.090	0.033	0.231	0.000	0.039
	LAT CL					0.000			0.336		0.000	0.000	0.336
TOT	HEATNG	-5.655	-3.259	0.000	-0.008	0.000	-10.719	2.502	4.043	0.986	5.901	0.000	-6.209
	SEN CL	-2.693	0.270	0.000	-0.011	0.000	-9.725	14.067	6.567	2.043	12.734	0.000	23.251
	LAT CL					0.000			22.556		0.000	0.000	22.556

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LS-E SPACE MONTHLY LOAD COMPONENTS IN MBTU FOR 2-Gathering

WEATHER FILE- SEATTLE SEATTLE-T WA

(UNITS=MBTU)		WALLS	ROOFS	INT SUR	UND SUR	INFIL	WIN CON	WIN SOL	OCCUP	LIGHTS	EQUIP	SOURCE	TOTAL
JAN	HEATNG	-1.007	-0.191	0.000	-0.001	0.000	-1.200	0.261	0.931	0.127	0.756	0.000	-0.324
	SEN CL	-1.568	-0.285	0.000	-0.003	0.000	-2.062	0.887	1.750	0.377	2.351	0.000	1.448
	LAT CL					0.000			1.410		0.000	0.000	1.410
FEB	HEATNG	-0.545	-0.103	0.000	-0.001	0.000	-0.657	0.178	0.513	0.065	0.387	0.000	-0.162
	SEN CL	-1.471	-0.256	0.000	-0.003	0.000	-2.105	1.486	1.916	0.391	2.419	0.000	2.377
	LAT CL					0.000			1.532		0.000	0.000	1.532
MAR	HEATNG	-0.123	-0.023	0.000	0.000	0.000	-0.150	0.037	0.146	0.015	0.082	0.000	-0.015
	SEN CL	-1.584	-0.234	0.000	-0.004	0.000	-2.474	2.265	2.544	0.489	3.025	0.000	4.028
	LAT CL					0.000			2.032		0.000	0.000	2.032
APR	HEATNG	-0.015	-0.003	0.000	0.000	0.000	-0.018	0.005	0.018	0.002	0.008	0.000	-0.002
	SEN CL	-1.126	-0.100	0.000	-0.004	0.000	-2.105	2.860	2.568	0.487	3.000	0.000	5.581
	LAT CL					0.000			2.054		0.000	0.000	2.054
MAY	HEATNG	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	SEN CL	-0.752	0.024	0.000	-0.003	0.000	-1.812	3.193	2.689	0.505	3.107	0.000	6.951
	LAT CL					0.000			2.152		0.000	0.000	2.152
JUN	HEATNG	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	SEN CL	-0.330	0.114	0.000	-0.003	0.000	-1.327	3.130	2.598	0.489	3.007	0.000	7.676
	LAT CL					0.000			2.077		0.000	0.000	2.077
JUL	HEATNG	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	SEN CL	0.065	0.191	0.000	-0.002	0.000	-1.009	3.503	2.680	0.505	3.107	0.000	9.041
	LAT CL					0.000			2.144		0.000	0.000	2.144
AUG	HEATNG	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	SEN CL	0.147	0.145	0.000	-0.002	0.000	-0.815	3.241	2.689	0.505	3.107	0.000	9.017
	LAT CL					0.000			2.152		0.000	0.000	2.152
SEP	HEATNG	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	SEN CL	-0.339	-0.004	0.000	-0.002	0.000	-1.408	2.794	2.598	0.489	3.007	0.000	7.134
	LAT CL					0.000			2.077		0.000	0.000	2.077
OCT	HEATNG	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	SEN CL	-1.288	-0.218	0.000	-0.002	0.000	-2.087	2.203	2.681	0.504	3.106	0.000	4.900
	LAT CL					0.000			2.144		0.000	0.000	2.144
NOV	HEATNG	-0.333	-0.063	0.000	0.000	0.000	-0.397	0.077	0.363	0.045	0.245	0.000	-0.064
	SEN CL	-1.574	-0.285	0.000	-0.002	0.000	-2.150	1.104	2.263	0.444	2.762	0.000	2.562
	LAT CL					0.000			1.808		0.000	0.000	1.808
DEC	HEATNG	-0.901	-0.173	0.000	-0.001	0.000	-1.062	0.192	0.861	0.120	0.699	0.000	-0.266
	SEN CL	-1.532	-0.296	0.000	-0.002	0.000	-2.038	0.939	1.821	0.385	2.408	0.000	1.685
	LAT CL					0.000			1.467		0.000	0.000	1.467
TOT	HEATNG	-2.923	-0.556	0.000	-0.004	0.000	-3.483	0.750	2.832	0.374	2.177	0.000	-0.832
	SEN CL	-11.352	-1.204	0.000	-0.033	0.000	-21.390	27.605	28.797	5.571	34.406	0.000	62.401
	LAT CL					0.000			23.049		0.000	0.000	23.049

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LS-E SPACE MONTHLY LOAD COMPONENTS IN MBTU FOR 3-Leasing

WEATHER FILE- SEATTLE SEATTLE-T WA

(UNITS=MBTU)		WALLS	ROOFS	INT SUR	UND SUR	INFIL	WIN CON	WIN SOL	OCCUP	LIGHTS	EQUIP	SOURCE	TOTAL
JAN	HEATNG	-0.413	-0.159	0.000	0.000	0.000	-0.816	0.136	0.249	0.050	0.306	0.000	-0.647
	SEN CL	-0.004	-0.002	0.000	0.000	0.000	-0.009	0.003	0.005	0.001	0.008	0.000	0.002
	LAT CL					0.000			0.004		0.000	0.000	0.004
FEB	HEATNG	-0.314	-0.115	0.000	0.000	0.000	-0.637	0.164	0.201	0.039	0.236	0.000	-0.428
	SEN CL	-0.024	-0.006	0.000	0.000	0.000	-0.062	0.040	0.028	0.007	0.047	0.000	0.031
	LAT CL					0.000			0.023		0.000	0.000	0.023
MAR	HEATNG	-0.218	-0.079	0.000	0.000	0.000	-0.442	0.138	0.164	0.029	0.168	0.000	-0.239
	SEN CL	-0.080	-0.008	0.000	0.000	0.000	-0.223	0.186	0.090	0.022	0.146	0.000	0.132
	LAT CL					0.000			0.073		0.000	0.000	0.073
APR	HEATNG	-0.123	-0.045	0.000	0.000	0.000	-0.253	0.103	0.103	0.016	0.094	0.000	-0.105
	SEN CL	-0.088	0.010	0.000	0.000	0.000	-0.285	0.350	0.141	0.034	0.210	0.000	0.372
	LAT CL					0.000			0.113		0.000	0.000	0.113
MAY	HEATNG	-0.054	-0.020	0.000	0.000	0.000	-0.111	0.052	0.054	0.007	0.041	0.000	-0.032
	SEN CL	-0.090	0.029	0.000	0.000	0.000	-0.348	0.539	0.200	0.044	0.273	0.000	0.646
	LAT CL					0.000			0.159		0.000	0.000	0.159
JUN	HEATNG	-0.009	-0.004	0.000	0.000	0.000	-0.019	0.010	0.011	0.001	0.006	0.000	-0.003
	SEN CL	-0.071	0.042	0.000	0.000	0.000	-0.317	0.588	0.234	0.048	0.298	0.000	0.821
	LAT CL					0.000			0.187		0.000	0.000	0.187
JUL	HEATNG	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	SEN CL	-0.020	0.064	0.000	0.000	0.000	-0.256	0.657	0.253	0.051	0.314	0.000	1.063
	LAT CL					0.000			0.202		0.000	0.000	0.202
AUG	HEATNG	-0.001	0.000	0.000	0.000	0.000	-0.003	0.001	0.002	0.000	0.001	0.000	0.000
	SEN CL	-0.015	0.049	0.000	0.000	0.000	-0.205	0.531	0.252	0.051	0.313	0.000	0.976
	LAT CL					0.000			0.202		0.000	0.000	0.202
SEP	HEATNG	-0.030	-0.013	0.000	0.000	0.000	-0.061	0.022	0.035	0.005	0.029	0.000	-0.013
	SEN CL	-0.069	0.012	0.000	0.000	0.000	-0.298	0.386	0.211	0.045	0.275	0.000	0.561
	LAT CL					0.000			0.169		0.000	0.000	0.169
OCT	HEATNG	-0.152	-0.060	0.000	0.000	0.000	-0.307	0.089	0.137	0.022	0.136	0.000	-0.134
	SEN CL	-0.081	-0.013	0.000	0.000	0.000	-0.222	0.186	0.116	0.029	0.178	0.000	0.191
	LAT CL					0.000			0.095		0.000	0.000	0.095
NOV	HEATNG	-0.285	-0.108	0.000	0.000	0.000	-0.570	0.114	0.209	0.040	0.242	0.000	-0.359
	SEN CL	-0.031	-0.009	0.000	0.000	0.000	-0.074	0.036	0.039	0.010	0.062	0.000	0.034
	LAT CL					0.000			0.032		0.000	0.000	0.032
DEC	HEATNG	-0.395	-0.157	0.000	0.000	0.000	-0.776	0.120	0.250	0.050	0.308	0.000	-0.600
	SEN CL	-0.003	-0.001	0.000	0.000	0.000	-0.007	0.003	0.003	0.001	0.006	0.000	0.001
	LAT CL					0.000			0.003		0.000	0.000	0.003
TOT	HEATNG	-1.994	-0.760	0.000	-0.002	0.000	-3.994	0.949	1.414	0.259	1.568	0.000	-2.561
	SEN CL	-0.576	0.168	0.000	-0.002	0.000	-2.306	3.504	1.572	0.342	2.129	0.000	4.831
	LAT CL					0.000			1.262		0.000	0.000	1.262

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LS-E SPACE MONTHLY LOAD COMPONENTS IN MBTU FOR 4-Apartment

WEATHER FILE- SEATTLE SEATTLE-T WA

(UNITS=MBTU)		WALLS	ROOFS	INT SUR	UND SUR	INFIL	WIN CON	WIN SOL	OCCUP	LIGHTS	EQUIP	SOURCE	TOTAL
JAN	HEATNG	-2.560	-1.082	0.000	0.000	0.000	-1.791	0.561	0.377	0.244	0.750	0.000	-3.501
	SEN CL	-0.004	-0.001	0.000	0.000	0.000	-0.008	0.012	0.001	0.001	0.003	0.000	0.005
	LAT CL					0.000			0.001		0.000	0.000	0.001
FEB	HEATNG	-1.921	-0.798	0.000	0.000	0.000	-1.375	0.598	0.312	0.196	0.597	0.000	-2.391
	SEN CL	-0.086	-0.006	0.000	0.000	0.000	-0.142	0.242	0.031	0.025	0.083	0.000	0.147
	LAT CL					0.000			0.023		0.000	0.000	0.023
MAR	HEATNG	-1.485	-0.602	0.000	0.000	0.000	-1.068	0.505	0.287	0.174	0.516	0.000	-1.673
	SEN CL	-0.208	0.052	0.000	0.000	0.000	-0.358	0.691	0.092	0.070	0.237	0.000	0.577
	LAT CL					0.000			0.072		0.000	0.000	0.072
APR	HEATNG	-0.938	-0.376	0.000	0.000	0.000	-0.685	0.406	0.207	0.113	0.325	0.000	-0.949
	SEN CL	-0.186	0.198	0.000	0.000	0.000	-0.449	1.131	0.158	0.124	0.404	0.000	1.380
	LAT CL					0.000			0.126		0.000	0.000	0.126
MAY	HEATNG	-0.664	-0.263	0.000	0.000	0.000	-0.493	0.330	0.177	0.082	0.244	0.000	-0.588
	SEN CL	-0.055	0.395	0.000	0.000	0.000	-0.456	1.413	0.202	0.163	0.509	0.000	2.172
	LAT CL					0.000			0.161		0.000	0.000	0.161
JUN	HEATNG	-0.319	-0.132	0.000	0.000	0.000	-0.247	0.191	0.113	0.043	0.133	0.000	-0.219
	SEN CL	0.046	0.479	0.000	0.000	0.000	-0.422	1.560	0.253	0.194	0.596	0.000	2.705
	LAT CL					0.000			0.201		0.000	0.000	0.201
JUL	HEATNG	-0.178	-0.075	0.000	0.000	0.000	-0.140	0.121	0.076	0.027	0.090	0.000	-0.079
	SEN CL	0.290	0.612	0.000	0.000	0.000	-0.338	1.789	0.302	0.218	0.663	0.000	3.535
	LAT CL					0.000			0.241		0.000	0.000	0.241
AUG	HEATNG	-0.157	-0.069	0.000	0.000	0.000	-0.122	0.089	0.068	0.025	0.080	0.000	-0.086
	SEN CL	0.361	0.493	0.000	0.000	0.000	-0.244	1.655	0.311	0.220	0.673	0.000	3.469
	LAT CL					0.000			0.248		0.000	0.000	0.248
SEP	HEATNG	-0.463	-0.221	0.000	0.000	0.000	-0.351	0.221	0.155	0.071	0.218	0.000	-0.371
	SEN CL	0.132	0.282	0.000	0.000	0.000	-0.371	1.227	0.211	0.166	0.511	0.000	2.159
	LAT CL					0.000			0.170		0.000	0.000	0.170
OCT	HEATNG	-1.100	-0.476	0.000	0.000	0.000	-0.792	0.387	0.263	0.152	0.452	0.000	-1.114
	SEN CL	-0.147	0.022	0.000	0.000	0.000	-0.319	0.727	0.115	0.092	0.300	0.000	0.790
	LAT CL					0.000			0.092		0.000	0.000	0.092
NOV	HEATNG	-1.838	-0.771	0.000	0.000	0.000	-1.302	0.454	0.345	0.217	0.664	0.000	-2.231
	SEN CL	-0.033	-0.003	0.000	0.000	0.000	-0.082	0.144	0.025	0.020	0.064	0.000	0.136
	LAT CL					0.000			0.019		0.000	0.000	0.019
DEC	HEATNG	-2.391	-1.054	0.000	0.000	0.000	-1.656	0.480	0.370	0.238	0.731	0.000	-3.280
	SEN CL	-0.028	-0.011	0.000	0.000	0.000	-0.050	0.078	0.008	0.006	0.021	0.000	0.025
	LAT CL					0.000			0.005		0.000	0.000	0.005
TOT	HEATNG	-14.013	-5.920	0.000	0.000	0.000	-10.022	4.342	2.749	1.582	4.800	0.000	-16.482
	SEN CL	0.082	2.513	0.000	0.000	0.000	-3.240	10.669	1.710	1.299	4.065	0.000	17.100
	LAT CL					0.000			1.359		0.000	0.000	1.359

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LS-F BUILDING MONTHLY LOAD COMPONENTS IN MBTU

WEATHER FILE- SEATTLE SEATTLE-T WA

(UNITS=MBTU)		WALLS	ROOFS	INT SUR	UND SUR	INFIL	WIN CON	WIN SOL	OCCUP	LIGHTS	EQUIP	SOURCE	TOTAL
JAN	HEATNG	-5.311	-2.190	0.000	-0.004	0.000	-6.310	1.422	2.373	0.649	3.188	0.000	-6.183
	SEN CL	-1.667	-0.340	0.000	-0.003	0.000	-2.251	0.939	1.839	0.409	2.569	0.000	1.495
	LAT CL					0.000			1.729		0.000	0.000	1.729
FEB	HEATNG	-3.678	-1.519	0.000	-0.002	0.000	-4.394	1.403	1.605	0.451	2.111	0.000	-4.023
	SEN CL	-1.825	-0.374	0.000	-0.004	0.000	-2.853	2.068	2.211	0.505	3.088	0.000	2.816
	LAT CL					0.000			2.404		0.000	0.000	2.404
MAR	HEATNG	-2.364	-1.016	0.000	-0.001	0.000	-2.691	0.988	1.029	0.306	1.291	0.000	-2.459
	SEN CL	-2.316	-0.314	0.000	-0.005	0.000	-4.182	4.063	3.197	0.752	4.466	0.000	5.661
	LAT CL					0.000			3.783		0.000	0.000	3.783
APR	HEATNG	-1.360	-0.586	0.000	-0.001	0.000	-1.505	0.727	0.587	0.175	0.694	0.000	-1.270
	SEN CL	-1.780	0.096	0.000	-0.006	0.000	-4.034	5.872	3.475	0.849	4.880	0.000	9.353
	LAT CL					0.000			4.351		0.000	0.000	4.351
MAY	HEATNG	-0.847	-0.355	0.000	0.000	0.000	-0.854	0.492	0.364	0.110	0.407	0.000	-0.683
	SEN CL	-1.218	0.560	0.000	-0.005	0.000	-3.856	7.144	3.860	0.948	5.349	0.000	12.784
	LAT CL					0.000			5.093		0.000	0.000	5.093
JUN	HEATNG	-0.343	-0.144	0.000	0.000	0.000	-0.295	0.217	0.143	0.046	0.152	0.000	-0.225
	SEN CL	-0.540	0.837	0.000	-0.004	0.000	-3.127	7.504	3.938	0.977	5.419	0.000	15.002
	LAT CL					0.000			5.388		0.000	0.000	5.388
JUL	HEATNG	-0.178	-0.075	0.000	0.000	0.000	-0.140	0.121	0.076	0.027	0.090	0.000	-0.079
	SEN CL	0.315	1.193	0.000	-0.004	0.000	-2.435	8.297	4.134	1.031	5.667	0.000	18.198
	LAT CL					0.000			5.672		0.000	0.000	5.672
AUG	HEATNG	-0.158	-0.070	0.000	0.000	0.000	-0.124	0.090	0.069	0.025	0.081	0.000	-0.086
	SEN CL	0.509	0.933	0.000	-0.003	0.000	-1.937	7.477	4.155	1.033	5.676	0.000	17.842
	LAT CL					0.000			5.699		0.000	0.000	5.699
SEP	HEATNG	-0.536	-0.263	0.000	0.000	0.000	-0.495	0.271	0.242	0.084	0.293	0.000	-0.404
	SEN CL	-0.526	0.312	0.000	-0.003	0.000	-3.158	5.900	3.838	0.940	5.278	0.000	12.581
	LAT CL					0.000			5.216		0.000	0.000	5.216
OCT	HEATNG	-1.608	-0.751	0.000	-0.001	0.000	-1.775	0.660	0.739	0.241	0.994	0.000	-1.500
	SEN CL	-1.925	-0.364	0.000	-0.003	0.000	-3.668	3.982	3.472	0.816	4.760	0.000	7.070
	LAT CL					0.000			4.251		0.000	0.000	4.251
NOV	HEATNG	-3.265	-1.405	0.000	-0.002	0.000	-3.806	0.960	1.520	0.454	2.055	0.000	-3.489
	SEN CL	-1.896	-0.425	0.000	-0.003	0.000	-2.857	1.520	2.605	0.570	3.516	0.000	3.029
	LAT CL					0.000			2.832		0.000	0.000	2.832
DEC	HEATNG	-4.936	-2.121	0.000	-0.003	0.000	-5.828	1.191	2.291	0.633	3.090	0.000	-5.683
	SEN CL	-1.669	-0.368	0.000	-0.002	0.000	-2.304	1.080	1.921	0.425	2.666	0.000	1.750
	LAT CL					0.000			1.810		0.000	0.000	1.810
TOT	HEATNG	-24.584	-10.495	0.000	-0.013	0.000	-28.219	8.543	11.039	3.200	14.445	0.000	-26.084
	SEN CL	-14.538	1.747	0.000	-0.046	0.000	-36.661	55.845	38.647	9.254	53.334	0.000	107.583
	LAT CL					0.000			48.225		0.000	0.000	48.225

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LS-K SPACE INPUT FUELS SUMMARY

1-Fitness/Meetin

WEATHER FILE- SEATTLE SEATTLE-T WA

SPACE 1-Fitness/Meetin

MONTH	- - - - L I G H T I N G - - - -		E Q U I P M E N T - - - - -		P R O C E S S - - - - -	
	TASK LIGHTING (KWH)	TOTAL LIGHTING (KWH)	GENERAL EQUIPMENT (KWH)	PROCESS ELECTRIC (KWH)	PROCESS GAS (MBTU)	PROCESS HOT WATER (MBTU)
JAN	0.00	75.36	463.74	0.00	0.0000	0.0000
FEB	0.00	68.06	418.86	0.00	0.0000	0.0000
MAR	0.00	75.36	463.74	0.00	0.0000	0.0000
APR	0.00	72.93	448.78	0.00	0.0000	0.0000
MAY	0.00	75.36	463.74	0.00	0.0000	0.0000
JUN	0.00	72.93	448.78	0.00	0.0000	0.0000
JUL	0.00	75.36	463.74	0.00	0.0000	0.0000
AUG	0.00	75.36	463.74	0.00	0.0000	0.0000
SEP	0.00	72.93	448.78	0.00	0.0000	0.0000
OCT	0.00	75.36	463.74	0.00	0.0000	0.0000
NOV	0.00	72.93	448.78	0.00	0.0000	0.0000
DEC	0.00	75.36	463.74	0.00	0.0000	0.0000
	-----	-----	-----	-----	-----	-----
ANNUAL	0.00	887.31	5460.18	0.00	0.0000	0.0000

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LS-K SPACE INPUT FUELS SUMMARY

2-Gathering

WEATHER FILE- SEATTLE SEATTLE-T WA

SPACE 2-Gathering

MONTH	- - - - L I G H T I N G - - - -		E Q U I P M E N T - - - - -		P R O C E S S - - - - -	
	TASK LIGHTING (KWH)	TOTAL LIGHTING (KWH)	GENERAL EQUIPMENT (KWH)	PROCESS ELECTRIC (KWH)	PROCESS GAS (MBTU)	PROCESS HOT WATER (MBTU)
JAN	0.00	147.93	910.36	0.00	0.0000	0.0000
FEB	0.00	133.62	822.26	0.00	0.0000	0.0000
MAR	0.00	147.93	910.36	0.00	0.0000	0.0000
APR	0.00	143.16	880.99	0.00	0.0000	0.0000
MAY	0.00	147.93	910.36	0.00	0.0000	0.0000
JUN	0.00	143.16	880.99	0.00	0.0000	0.0000
JUL	0.00	147.93	910.36	0.00	0.0000	0.0000
AUG	0.00	147.93	910.36	0.00	0.0000	0.0000
SEP	0.00	143.16	880.99	0.00	0.0000	0.0000
OCT	0.00	147.93	910.36	0.00	0.0000	0.0000
NOV	0.00	143.16	880.99	0.00	0.0000	0.0000
DEC	0.00	147.93	910.36	0.00	0.0000	0.0000
	-----	-----	-----	-----	-----	-----
ANNUAL	0.00	1741.85	10718.59	0.00	0.0000	0.0000

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LS-K SPACE INPUT FUELS SUMMARY

3-Leasing

WEATHER FILE- SEATTLE SEATTLE-T WA

SPACE 3-Leasing

MONTH	- - - - L I G H T I N G - - - -		E Q U I P M E N T - - - - -		P R O C E S S - - - - -	
	TASK LIGHTING (KWH)	TOTAL LIGHTING (KWH)	GENERAL EQUIPMENT (KWH)	PROCESS ELECTRIC (KWH)	PROCESS GAS (MBTU)	PROCESS HOT WATER (MBTU)
JAN	0.00	14.95	91.98	0.00	0.0000	0.0000
FEB	0.00	13.50	83.08	0.00	0.0000	0.0000
MAR	0.00	14.95	91.98	0.00	0.0000	0.0000
APR	0.00	14.46	89.01	0.00	0.0000	0.0000
MAY	0.00	14.95	91.98	0.00	0.0000	0.0000
JUN	0.00	14.46	89.01	0.00	0.0000	0.0000
JUL	0.00	14.95	91.98	0.00	0.0000	0.0000
AUG	0.00	14.95	91.98	0.00	0.0000	0.0000
SEP	0.00	14.46	89.01	0.00	0.0000	0.0000
OCT	0.00	14.95	91.98	0.00	0.0000	0.0000
NOV	0.00	14.46	89.01	0.00	0.0000	0.0000
DEC	0.00	14.95	91.98	0.00	0.0000	0.0000
	-----	-----	-----	-----	-----	-----
ANNUAL	0.00	175.97	1082.95	0.00	0.0000	0.0000

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LS-K SPACE INPUT FUELS SUMMARY

4-Apartment

WEATHER FILE- SEATTLE SEATTLE-T WA

SPACE 4-Apartment

MONTH	- - - - L I G H T I N G - - - -		E Q U I P M E N T - - - - -		P R O C E S S - - - - -	
	TASK LIGHTING (KWH)	TOTAL LIGHTING (KWH)	GENERAL EQUIPMENT (KWH)	PROCESS ELECTRIC (KWH)	PROCESS GAS (MBTU)	PROCESS HOT WATER (MBTU)
JAN	0.00	71.70	220.60	0.00	0.0000	0.0000
FEB	0.00	64.76	199.25	0.00	0.0000	0.0000
MAR	0.00	71.70	220.60	0.00	0.0000	0.0000
APR	0.00	69.38	213.49	0.00	0.0000	0.0000
MAY	0.00	71.70	220.60	0.00	0.0000	0.0000
JUN	0.00	69.38	213.49	0.00	0.0000	0.0000
JUL	0.00	71.70	220.60	0.00	0.0000	0.0000
AUG	0.00	71.70	220.60	0.00	0.0000	0.0000
SEP	0.00	69.38	213.49	0.00	0.0000	0.0000
OCT	0.00	71.70	220.60	0.00	0.0000	0.0000
NOV	0.00	69.38	213.49	0.00	0.0000	0.0000
DEC	0.00	71.70	220.60	0.00	0.0000	0.0000
	-----	-----	-----	-----	-----	-----
ANNUAL	0.00	844.16	2597.47	0.00	0.0000	0.0000

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LS-K *BUILDING* INPUT FUELS SUMMARY

WEATHER FILE- SEATTLE SEATTLE-T WA

BUILDING

MONTH	- - - - L I G H T I N G - - - -		E Q U I P M E N T - - - - -		P R O C E S S - - - - -	
	TASK LIGHTING (KWH)	TOTAL LIGHTING (KWH)	GENERAL EQUIPMENT (KWH)	PROCESS ELECTRIC (KWH)	PROCESS GAS (MBTU)	PROCESS HOT WATER (MBTU)
JAN	0.00	309.93	1686.68	0.00	0.0000	0.0000
FEB	0.00	279.94	1523.45	0.00	0.0000	0.0000
MAR	0.00	309.93	1686.68	0.00	0.0000	0.0000
APR	0.00	299.93	1632.27	0.00	0.0000	0.0000
MAY	0.00	309.93	1686.68	0.00	0.0000	0.0000
JUN	0.00	299.93	1632.27	0.00	0.0000	0.0000
JUL	0.00	309.93	1686.68	0.00	0.0000	0.0000
AUG	0.00	309.93	1686.68	0.00	0.0000	0.0000
SEP	0.00	299.93	1632.27	0.00	0.0000	0.0000
OCT	0.00	309.93	1686.68	0.00	0.0000	0.0000
NOV	0.00	299.93	1632.27	0.00	0.0000	0.0000
DEC	0.00	309.93	1686.68	0.00	0.0000	0.0000
	-----	-----	-----	-----	-----	-----
ANNUAL	0.00	3649.10	19859.93	0.00	0.0000	0.0000

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LS-L MANAGEMENT AND SOLAR SUMMARY FOR SPACE

1-Fitness/Meetin

WEATHER FILE- SEATTLE SEATTLE-T WA

DATA FOR SPACE 1-Fitness/Meetin

MONTH	NUMBER OF HOURS MANAGEMENT WOULD BE EMPLOYED	AVERAGE DAILY SOLAR RADIATION INTO SPACE (BTU/DAY)	MAXIMUM HOURLY SOLAR RADIATION INTO SPACE (BTU/HR)
JAN	0.	16226.706	5364.854
FEB	13.	27453.004	6384.492
MAR	24.	39601.410	8440.745
APR	51.	58202.367	9264.147
MAY	78.	68530.227	9780.339
JUN	79.	74571.422	9606.802
JUL	112.	75884.188	9646.837
AUG	105.	65762.516	9110.954
SEP	79.	50594.816	8875.672
OCT	27.	33627.301	7514.937
NOV	3.	18371.352	5526.401
DEC	0.	14816.340	5003.023

ANNUAL	571.	45393.957	9780.339

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LS-L MANAGEMENT AND SOLAR SUMMARY FOR SPACE

2-Gathering

WEATHER FILE- SEATTLE SEATTLE-T WA

DATA FOR SPACE 2-Gathering

MONTH	NUMBER OF HOURS MANAGEMENT WOULD BE EMPLOYED	AVERAGE DAILY SOLAR RADIATION INTO SPACE (BTU/DAY)	MAXIMUM HOURLY SOLAR RADIATION INTO SPACE (BTU/HR)
JAN	27.	37116.941	14045.472
FEB	51.	59752.324	15688.768
MAR	58.	74052.328	17081.887
APR	77.	95715.367	16706.908
MAY	85.	103835.547	17041.389
JUN	79.	103946.523	14275.895
JUL	119.	113395.172	14406.990
AUG	143.	104086.922	15108.270
SEP	133.	93116.211	16708.377
OCT	70.	70366.578	15701.816
NOV	30.	39265.129	14683.056
DEC	34.	36569.945	13230.559
-----	-----	-----	-----
ANNUAL	906.	77689.062	17081.887

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LS-L MANAGEMENT AND SOLAR SUMMARY FOR SPACE

3-Leasing

WEATHER FILE- SEATTLE SEATTLE-T WA

DATA FOR SPACE 3-Leasing

MONTH	NUMBER OF HOURS MANAGEMENT WOULD BE EMPLOYED	AVERAGE DAILY SOLAR RADIATION INTO SPACE (BTU/DAY)	MAXIMUM HOURLY SOLAR RADIATION INTO SPACE (BTU/HR)
JAN	0.	4491.258	1564.444
FEB	7.	7316.745	2111.061
MAR	11.	10431.640	2486.832
APR	24.	15166.616	2855.526
MAY	44.	19202.479	3305.021
JUN	30.	19900.057	2892.583
JUL	71.	21238.439	2935.307
AUG	55.	17102.480	2638.625
SEP	41.	13567.409	2629.503
OCT	11.	8747.102	2236.479
NOV	2.	4978.398	1856.323
DEC	0.	3952.220	1578.324

ANNUAL	296.	12201.042	3305.021

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LS-L MANAGEMENT AND SOLAR SUMMARY FOR SPACE

4-Apartment

WEATHER FILE- SEATTLE SEATTLE-T WA

DATA FOR SPACE 4-Apartment

MONTH	NUMBER OF HOURS MANAGEMENT WOULD BE EMPLOYED	AVERAGE DAILY SOLAR RADIATION INTO SPACE (BTU/DAY)	MAXIMUM HOURLY SOLAR RADIATION INTO SPACE (BTU/HR)
JAN	27.	18526.795	6200.533
FEB	51.	30096.707	7283.694
MAR	58.	38542.766	8013.495
APR	77.	51294.082	7916.651
MAY	85.	56522.484	8457.508
JUN	79.	58221.367	7262.071
JUL	119.	61720.293	7742.948
AUG	143.	56107.953	7571.583
SEP	133.	48252.609	7833.790
OCT	70.	35691.828	7198.252
NOV	30.	19893.881	6611.878
DEC	34.	18009.576	6023.950

ANNUAL	906.	41127.016	8457.508

MESSAGE LIST FROM SYSTEMS PROGRAM

0 **WARNING*****
SYSTEM SYSTEM-3 MAY HAVE INADEQUATE COOLING CAPABILITY
(CHECK COOLING-CAPACITY AND MIN-SUPPLY-T FOR CONSISTENCY)
0 **WARNING*****
A HEATING CAPACITY OF -9630. IS INCONSISTENT WITH A COOLING CAPACITY OF 9270. IN SYSTEM SYSTEM-3

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SV-A SYSTEM DESIGN PARAMETERS

SYSTEM-1

WEATHER FILE- SEATTLE SEATTLE-T WA

SYSTEM NAME	SYSTEM TYPE	ALTITUDE MULTIPLIER	FLOOR AREA (SQFT)	MAX PEOPLE								
SYSTEM-1	PSZ	1.000	1084.0	7.								
SUPPLY FAN (CFM)	ELEC (KW)	DELTA-T (F)	RETURN FAN (CFM)	ELEC (KW)	DELTA-T (F)	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
1400.	0.437	1.0	0.	0.000	0.0	0.143	42.000	1.000	-47.000	0.23	0.19	-62.566
ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW RATIO	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	MULTIPLIER	
1-Fitness/Meetin	1400.	200.	0.174	1.000	200.	0.00	0.00	28.44	0.00	-53.55	1.0	

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SV-A SYSTEM DESIGN PARAMETERS

SYSTEM-2

WEATHER FILE- SEATTLE SEATTLE-T WA

SYSTEM NAME	SYSTEM TYPE	ALTITUDE MULTIPLIER	FLOOR AREA (SQFT)	MAX PEOPLE								
SYSTEM-2	PSZ	1.000	2128.0	21.								
SUPPLY FAN (CFM)	ELEC (KW)	DELTA-T (F)	RETURN FAN (CFM)	ELEC (KW)	DELTA-T (F)	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
1520.	0.436	0.9	0.	0.000	0.0	0.280	49.993	1.000	-52.007	0.23	0.19	-79.998
ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW RATIO	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	MULTIPLIER	
2-Gathering	1520.	425.	0.174	1.000	426.	0.00	0.00	30.78	0.00	-58.88	1.0	

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SV-A SYSTEM DESIGN PARAMETERS

SYSTEM-3

WEATHER FILE- SEATTLE SEATTLE-T WA

SYSTEM NAME	SYSTEM TYPE	ALTITUDE MULTIPLIER	FLOOR AREA (SQFT)	MAX PEOPLE								
SYSTEM-3	PSZ	1.000	215.0	2.								
SUPPLY FAN (CFM)	ELEC (KW)	DELTA-T (F)	RETURN FAN (CFM)	ELEC (KW)	DELTA-T (F)	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
431.	0.087	0.6	0.	0.000	0.0	0.058	9.270	1.000	-9.630	0.23	0.14	-17.371
ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW RATIO	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	MULTIPLIER	
3-Leasing	431.	25.	0.087	1.000	25.	0.00	0.00	7.97	0.00	-16.36	1.0	

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SV-A SYSTEM DESIGN PARAMETERS

SYSTEM-4

WEATHER FILE- SEATTLE SEATTLE-T WA

SYSTEM NAME	SYSTEM TYPE	ALTITUDE MULTIPLIER	FLOOR AREA (SQFT)	MAX PEOPLE								
SYSTEM-4	PSZ	1.000	1547.0	3.								
SUPPLY FAN (CFM)	ELEC (KW)	DELTA-T (F)	RETURN FAN (CFM)	ELEC (KW)	DELTA-T (F)	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)	HEAT PUMP SUPP-HEAT (KBTU/HR)
716.	0.087	0.4	0.	0.000	0.0	0.084	18.747	1.000	-20.853	0.23	0.18	-31.612
ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW RATIO	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	MULTIPLIER	
4-Apartment	716.	60.	0.043	1.000	60.	0.00	0.00	13.82	0.00	-28.90	1.0	

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-D PLANT MONTHLY LOADS SUMMARY FOR

PLANT-1

WEATHER FILE- SEATTLE SEATTLE-T WA

- - - - - C O O L I N G - - - - -					- - - - - H E A T I N G - - - - -					- - - E L E C - - -		
MONTH	COOLING ENERGY (MBTU)	TIME OF MAX DY HR	DRY- BULB TEMP	WET- BULB TEMP	MAXIMUM COOLING LOAD (KBTU/HR)	HEATING ENERGY (MBTU)	TIME OF MAX DY HR	DRY- BULB TEMP	WET- BULB TEMP	MAXIMUM HEATING LOAD (KBTU/HR)	ELEC- TRICAL ENERGY (KWH)	MAXIMUM ELEC LOAD (KW)
JAN	0.00000				0.000	0.000				0.000	7019.	15.016
FEB	0.00000				0.000	0.000				0.000	6045.	15.134
MAR	0.00000				0.000	0.000				0.000	5796.	13.878
APR	0.00000				0.000	0.000				0.000	5158.	12.647
MAY	0.00000				0.000	0.000				0.000	5104.	12.371
JUN	0.00000				0.000	0.000				0.000	5056.	13.141
JUL	0.00000				0.000	0.000				0.000	5463.	13.596
AUG	0.00000				0.000	0.000				0.000	5539.	14.302
SEP	0.00000				0.000	0.000				0.000	4997.	12.501
OCT	0.00000				0.000	0.000				0.000	5297.	11.930
NOV	0.00000				0.000	0.000				0.000	5952.	14.246
DEC	0.00000				0.000	0.000				0.000	6828.	15.024
TOTAL	0.000					0.000					68256.	
MAX					0.000					0.000		15.134
MAXIMUM DAILY INTEGRATED COOLING LOAD (DES DAY)					0.000 (KBTU)							
MAXIMUM DAILY INTEGRATED COOLING LOAD (WTH FILE)					0.000 (KBTU)							

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-E PLANT MONTHLY LOAD HOURS FOR

PLANT-1

WEATHER FILE- SEATTLE SEATTLE-T WA

--COINCIDENT LOADS--												
N U M B E R O F H O U R S												
MONTH	HOURS COOLING LOAD	HOURS HEATING LOAD	HOURS COINCIDENT COOL -HEAT LOAD	HOURS FLOATING	HOURS HEATING AVAIL.	HOURS COOLING AVAIL.	HOURS FANS ON	HOURS FANS CYCLE ON	HOURS NIGHT VENTING	HOURS FLOATING WHEN FANS ON	HEATING LOAD AT COOLING PEAK (KBTU/HR)	ELECTRIC LOAD AT COOLING PEAK (KW)
JAN	4	744	4	0	744	744	744	0	0	0	0.000	8.782
FEB	15	639	12	30	672	672	672	0	0	30	0.000	7.917
MAR	28	590	20	146	744	744	744	0	0	146	0.000	8.431
APR	99	302	27	346	720	720	720	0	0	346	0.000	2.608
MAY	201	108	9	444	744	744	744	0	0	444	0.000	2.608
JUN	329	4	0	387	720	720	720	0	0	387	0.000	2.608
JUL	464	1	1	280	744	744	744	0	0	280	0.000	2.608
AUG	483	0	0	261	744	744	744	0	0	261	0.000	2.608
SEP	240	52	3	431	720	720	720	0	0	431	0.000	2.608
OCT	73	428	18	261	744	744	744	0	0	261	0.000	8.434
NOV	15	671	12	46	720	720	720	0	0	46	0.000	11.791
DEC	3	744	3	0	744	744	744	0	0	0	0.000	8.687
ANNUAL	1954	4283	109	2632	8760	8760	8760	0	0	2632		

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-M FAN ELECTRIC ENERGY FOR PLANT

PLANT-1

WEATHER FILE- SEATTLE SEATTLE-T WA

MONTH	FAN ELECTRIC ENERGY DURING HEATING (KWH)	FAN ELECTRIC ENERGY DURING COOLING (KWH)	FAN ELECTRIC ENERGY DURING HEATING-COOLING (KWH)	FAN ELECTRIC ENERGY DURING FLOATING (KWH)
JAN	1126.730	0.697	0.000	8.024
FEB	916.081	7.237	0.000	102.254
MAR	788.939	9.809	0.000	336.712
APR	353.104	95.931	0.000	649.800
MAY	73.159	203.769	0.000	858.528
JUN	0.522	412.035	0.000	686.279
JUL	0.610	611.876	0.000	522.979
AUG	0.000	682.570	0.000	452.894
SEP	23.320	295.122	0.000	780.388
OCT	484.608	49.231	0.000	601.627
NOV	945.203	5.799	0.000	147.825
DEC	1127.123	1.352	0.000	6.976
ANNUAL	5839.373	2375.448	0.000	5154.366

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-P LOAD, ENERGY AND PART LOAD DHW TANK OPERATION FOR PLANT-1

WEATHER FILE- SEATTLE SEATTLE-T WA

TANK SIZE is 30.0 (GAL) HEATER CAP = 17.516 (KBTU/HR) FLOW RATE = 0.727 (GAL/MIN) PUMP = 0.000 (KW)																	
MONTH	SUM PEAK	UNIT LOAD	ENERGY USE	RCV EN USE	PUMP ENERGY	----- Number of hours within each PART LOAD range -----											TOTAL
		(MBTU)	(KWH)	(KWH)	(KWH)	00	10	20	30	40	50	60	70	80	90	100	RUN
		(KBTU/HR)	(KW)	(KW)	(KW)	10	20	30	40	50	60	70	80	90	100	+	HOURS
JAN	SUM	5.352	1781.460	0.000	0.000	186	22	9	0	186	217	31	93	0	0	0	744
	PEAK	12.734	4.239	0.000	0.000												
	DAY/HR	31/19	31/19	31/24	31/24												
FEB	SUM	4.836	1609.799	0.000	0.000	168	19	9	0	168	196	28	84	0	0	0	672
	PEAK	12.734	4.239	0.000	0.000												
	DAY/HR	28/19	28/19	28/24	28/24												
MAR	SUM	5.355	1782.308	0.000	0.000	186	21	10	0	186	217	31	93	0	0	0	744
	PEAK	12.734	4.239	0.000	0.000												
	DAY/HR	31/19	31/19	31/24	31/24												
APR	SUM	5.178	1723.392	0.000	0.000	180	22	8	0	180	210	30	90	0	0	0	720
	PEAK	12.734	4.239	0.000	0.000												
	DAY/HR	30/19	30/19	30/ 1	30/ 1												
MAY	SUM	5.355	1782.308	0.000	0.000	186	21	10	0	186	217	31	93	0	0	0	744
	PEAK	12.734	4.239	0.000	0.000												
	DAY/HR	31/19	31/19	31/ 1	31/ 1												
JUN	SUM	5.180	1724.240	0.000	0.000	180	21	9	0	180	210	30	90	0	0	0	720
	PEAK	12.734	4.239	0.000	0.000												
	DAY/HR	30/19	30/19	30/ 1	30/ 1												
JUL	SUM	5.352	1781.460	0.000	0.000	186	22	9	0	186	217	31	93	0	0	0	744
	PEAK	12.734	4.239	0.000	0.000												
	DAY/HR	31/19	31/19	31/ 1	31/ 1												
AUG	SUM	5.355	1782.308	0.000	0.000	186	21	10	0	186	217	31	93	0	0	0	744
	PEAK	12.734	4.239	0.000	0.000												
	DAY/HR	31/19	31/19	31/ 1	31/ 1												
SEP	SUM	5.180	1724.240	0.000	0.000	180	21	9	0	180	210	30	90	0	0	0	720
	PEAK	12.734	4.239	0.000	0.000												
	DAY/HR	30/19	30/19	30/ 1	30/ 1												
OCT	SUM	5.352	1781.460	0.000	0.000	186	22	9	0	186	217	31	93	0	0	0	744
	PEAK	12.734	4.239	0.000	0.000												
	DAY/HR	31/19	31/19	31/24	31/24												
NOV	SUM	5.188	1726.783	0.000	0.000	180	18	12	0	180	210	30	90	0	0	0	720
	PEAK	12.734	4.239	0.000	0.000												
	DAY/HR	30/19	30/19	30/24	30/24												
DEC	SUM	5.352	1781.460	0.000	0.000	186	22	9	0	186	217	31	93	0	0	0	744
	PEAK	12.734	4.239	0.000	0.000												
	DAY/HR	31/19	31/19	31/24	31/24												
YR	SUM	63.033	20980.330	0.000	0.000	2190	252	113	0	2190	2555	365	1095	0	0	0	8760
	PEAK	12.734	4.239	0.000	0.000												
	MON/DAY	12/31	12/31	12/31	12/31												

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-Q HEAT PUMP COOLING SUMMARY FOR PLANT-1

WEATHER FILE- SEATTLE SEATTLE-T WA

	UNIT RUN TIME (HOURS)	TOTAL LOAD ON UNIT (MBTU)	ENERGY IN TO UNIT (MBTU)	AUXILIARY ENERGY (MBTU)	SUP UNIT LOAD (MBTU)	SUP UNIT ENERGY (MBTU)	WASTE HEAT GENERATED (MBTU)	WASTE HEAT USE (MBTU)		INDOOR FAN ENERGY (MBTU)
JAN	1.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.011
FEB	5.	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.136
MAR	8.	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.414
APR	65.	0.912	0.157	0.000	0.000	0.000	0.000	0.000	0.000	0.982
MAY	143.	2.669	0.451	0.000	0.000	0.000	0.000	0.000	0.000	1.478
JUN	292.	6.068	1.026	0.000	0.000	0.000	0.000	0.000	0.000	1.767
JUL	473.	11.152	1.873	0.000	0.000	0.000	0.000	0.000	0.000	2.044
AUG	524.	12.504	2.133	0.000	0.000	0.000	0.000	0.000	0.000	2.130
SEP	203.	4.449	0.761	0.000	0.000	0.000	0.000	0.000	0.000	1.605
OCT	29.	0.250	0.046	0.000	0.000	0.000	0.000	0.000	0.000	0.820
NOV	4.	0.006	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.187
DEC	1.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.012
0ANNUAL	1747.	38.013	6.449	0.000	0.000	0.000	0.000	0.000	0.000	11.585

0CSPF (WITH PARASITICS) = 2.11 (KBTU/HR)

0CSPF (WITHOUT PARASITICS) = 5.89 (BTU/BTU)

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-Q HEAT PUMP HEATING SUMMARY FOR PLANT-1

WEATHER FILE- SEATTLE SEATTLE-T WA

	UNIT RUN TIME (HOURS)	TOTAL LOAD ON UNIT (MBTU)	ENERGY IN TO UNIT (MBTU)	AUXILIARY ENERGY (MBTU)	SUP UNIT LOAD (MBTU)	SUP UNIT ENERGY (MBTU)	WASTE HEAT GENERATED (MBTU)	WASTE HEAT USE (MBTU)	DEFROST LOAD (MBTU)	INDOOR FAN ENERGY (MBTU)
JAN	879.	-19.140	7.176	0.000	-0.011	0.011	0.000	0.000	0.000	2.649
FEB	610.	-13.178	5.466	0.000	-0.016	0.016	0.000	0.000	0.000	2.267
MAR	302.	-7.749	3.010	0.000	0.000	0.000	0.000	0.000	0.000	2.245
APR	114.	-2.940	1.218	0.000	0.000	0.000	0.000	0.000	0.000	1.592
MAY	16.	-0.430	0.196	0.000	0.000	0.000	0.000	0.000	0.000	1.182
JUN	0.	-0.004	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.807
JUL	0.	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.616
AUG	0.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.529
SEP	6.	-0.155	0.064	0.000	0.000	0.000	0.000	0.000	0.000	0.969
OCT	116.	-3.482	1.264	0.000	0.000	0.000	0.000	0.000	0.000	1.840
NOV	454.	-11.198	4.074	0.000	0.000	0.000	0.000	0.000	0.000	2.387
DEC	792.	-17.473	6.535	0.000	0.000	0.000	0.000	0.000	0.000	2.648
0ANNUAL	3288.	-75.747	29.005	0.000	-0.028	0.028	0.000	0.000	0.000	19.731

0HSPF (WITH PARASITICS) = 1.96 (KBTU/HR)

0HSPF (WITHOUT PARASITICS) = 2.61 (BTU/BTU)

Proposed

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

WEATHER FILE- SEATTLE SEATTLE-T WA

EnergyPro 9.4 by EnergySoft User Number: 6394 ID: 810-010 Page 70 of 280

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-B SYSTEM MONTHLY LOADS SUMMARY FOR

SYSTEM-1

WEATHER FILE- SEATTLE SEATTLE-T WA

	- Z O N E C O O L I N G -	- Z O N E H E A T I N G -	- B A S E B O A R D S -	- P R E H E A T O R F U R N F A N E L E C -				
	COOLING BY ZONE COILS OR NAT VENTIL (MBTU)	MAXIMUM COOLING BY ZONE COILS OR NAT VENTIL (KBTU/HR)	HEATING BY ZONE COILS OR FURNACE (MBTU)	MAXIMUM HEATING BY ZONE COILS OR FURNACE (KBTU/HR)	BASEBOARD HEATING ENERGY (MBTU)	MAXIMUM BASEBOARD HEATING ENERGY (KBTU/HR)	PREHEAT COIL ENERGY OR ELEC FOR FURN FAN (MBTU)	MAXIMUM PREHEAT COIL ENERGY OR ELEC FOR FURN FAN (KBTU/HR)
MONTH								
JAN	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
FEB	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
MAR	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
APR	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
MAY	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
JUN	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
JUL	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
AUG	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
SEP	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
OCT	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
NOV	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
DEC	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0TOTAL	0.000		0.000		0.000		0.000	
0MAX		0.000		0.000		0.000		0.000

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-C SYSTEM MONTHLY LOAD HOURS FOR

SYSTEM-1

WEATHER FILE- SEATTLE SEATTLE-T WA

--COINCIDENT LOADS--												
MONTH	HOURS COOLING LOAD	HOURS HEATING LOAD	HOURS COINCIDENT COOL-HEAT LOAD	HOURS FLOATING	HOURS HEATING AVAIL.	HOURS COOLING AVAIL.	HOURS FANS ON	HOURS FANS CYCLE ON	HOURS NIGHT VENTING	HOURS FLOATING WHEN FANS ON	HEATING LOAD AT COOLING PEAK (KBTU/HR)	ELECTRIC LOAD AT COOLING PEAK (KW)
JAN	0	741	0	3	744	744	744	0	0	3	-4.366	2.372
FEB	2	616	0	54	672	672	672	0	0	54	0.000	1.195
MAR	4	553	0	187	744	744	744	0	0	187	0.000	1.170
APR	57	244	0	419	720	720	720	0	0	419	0.000	2.483
MAY	136	53	0	555	744	744	744	0	0	555	0.000	2.582
JUN	272	0	0	448	720	720	720	0	0	448	0.000	2.655
JUL	389	0	0	355	744	744	744	0	0	355	0.000	2.809
AUG	440	0	0	304	744	744	744	0	0	304	0.000	3.015
SEP	170	18	0	532	720	720	720	0	0	532	0.000	2.604
OCT	18	348	0	378	744	744	744	0	0	378	0.000	2.233
NOV	2	638	0	80	720	720	720	0	0	80	0.000	1.411
DEC	0	744	0	0	744	744	744	0	0	0	-3.998	2.350
ANNUAL	1490	3955	0	3315	8760	8760	8760	0	0	3315		

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-H SYSTEM MONTHLY LOADS SUMMARY FOR

SYSTEM-1

WEATHER FILE- SEATTLE SEATTLE-T WA

	- FAN	ELEC-	- FUEL	HEAT-	- FUEL	COOL-	- ELEC	HEAT-	- ELEC	COOL-
	FAN	MAXIMUM	GAS OIL	MAXIMUM	GAS OIL	MAXIMUM	ELECTRIC	MAXIMUM	ELECTRIC	MAXIMUM
MONTH	ENERGY	FAN	ENERGY	GAS OIL	ENERGY	GAS OIL	ENERGY	ELECTRIC	ENERGY	ELECTRIC
	(KWH)	LOAD	(MBTU)	LOAD	(MBTU)	LOAD	(KWH)	LOAD	(KWH)	LOAD
		(KW)		(KBTU/HR)		(KBTU/HR)		(KW)		(KW)
JAN	454.	0.611	0.000	0.000	0.000	0.000	682.	1.758	0.	0.000
FEB	410.	0.611	0.000	0.000	0.000	0.000	533.	1.916	0.	0.007
MAR	454.	0.611	0.000	0.000	0.000	0.000	304.	1.423	0.	0.006
APR	440.	0.611	0.000	0.000	0.000	0.000	120.	1.375	14.	0.717
MAY	454.	0.611	0.000	0.000	0.000	0.000	19.	1.001	42.	0.670
JUN	440.	0.611	0.000	0.000	0.000	0.000	0.	0.000	102.	0.890
JUL	454.	0.611	0.000	0.000	0.000	0.000	0.	0.000	173.	1.044
AUG	454.	0.611	0.000	0.000	0.000	0.000	0.	0.000	191.	1.250
SEP	440.	0.611	0.000	0.000	0.000	0.000	6.	0.403	60.	0.692
OCT	454.	0.611	0.000	0.000	0.000	0.000	133.	0.561	1.	0.321
NOV	440.	0.611	0.000	0.000	0.000	0.000	395.	1.518	0.	0.004
DEC	454.	0.611	0.000	0.000	0.000	0.000	625.	1.675	0.	0.000
0TOTAL	5351.		0.000		0.000		2816.		585.	
0MAX		0.611		0.000		0.000		1.916		1.250

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-I SYSTEM MONTHLY SENSIBLE LATENT SUMMARY FOR SYSTEM-1

WEATHER FILE- SEATTLE SEATTLE-T WA

MONTH	SENSIBLE COOLING ENERGY (MBTU)	LATENT COOLING ENERGY (MBTU)	MAX TOTAL COOLING ENERGY (KBTU/HR)	SENSIBLE HEAT RATIO AT MAX	TIME OF MAX DY HR	SENSIBLE HEATING ENERGY (MBTU)	LATENT HEATING ENERGY (MBTU)	MAX TOTAL HEATING ENERGY (KBTU/HR)
JAN	0.00000	0.00000	0.000			-5.30074	0.00000	-13.98747
FEB	0.00023	0.00002	0.145	0.938	27 11	-3.72781	0.00000	-15.254
MAR	0.00019	0.00000	0.116	1.000	30 13	-2.21632	0.00000	-9.933
APR	0.21465	0.06347	14.860	0.780	27 19	-0.79629	0.00000	-8.981
MAY	0.65343	0.19491	13.887	0.659	6 24	-0.10102	0.00000	-4.170
JUN	1.61199	0.44365	18.432	0.782	28 19	0.00000	0.00000	0.000
JUL	2.66223	0.84929	20.906	0.779	24 19	0.00000	0.00000	0.000
AUG	2.82571	1.02085	22.889	0.769	10 19	0.00000	0.00000	0.000
SEP	0.85380	0.35047	14.343	0.705	13 24	-0.03638	0.00000	-3.322
OCT	0.02143	0.00686	6.286	0.741	4 24	-1.02009	0.00000	-6.273
NOV	0.00009	0.00004	0.072	0.681	6 7	-3.10912	0.00000	-10.477
DEC	0.00000	0.00000	0.000			-4.87109	0.00000	-12.39506
TOTAL	8.844	2.930				-21.179	0.000	
MAX			22.889	0.769				-15.254

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-J SYSTEM PEAK HEATING AND COOLING DAYS FOR

SYSTEM-1

WEATHER FILE- SEATTLE SEATTLE-T WA

- - - - C O O L I N G - - - -					- - - H E A T I N G - - -			D A Y C O O L I N G P E A K			
AUG 10					FEB 19			AUG 10			
HOURLY COOLING LOAD (KBTU)	SENSIBLE HEAT RATIO	DRY- BULB TEMP	WET- BULB TEMP	HOURLY HEATING LOAD (KBTU)	DRY- BULB TEMP	WET- BULB TEMP	HOURLY COOLING LOAD (KBTU)	SENSIBLE HEAT RATIO	DRY- BULB TEMP	WET- BULB TEMP	
HOUR											
1	6.303	0.575	66.F	59.F	-13.293	25.F	24.F	6.303	0.575	66.F	59.F
2	3.505	0.580	62.F	57.F	-13.919	24.F	23.F	3.505	0.580	62.F	57.F
3	3.960	0.558	65.F	59.F	-13.725	26.F	24.F	3.960	0.558	65.F	59.F
4	2.798	0.547	64.F	58.F	-14.757	23.F	22.F	2.798	0.547	64.F	58.F
5	2.907	0.538	63.F	58.F	-15.254	22.F	21.F	2.907	0.538	63.F	58.F
6	4.964	0.546	63.F	59.F	-14.814	22.F	21.F	4.964	0.546	63.F	59.F
7	7.357	0.611	67.F	61.F	-14.054	23.F	22.F	7.357	0.611	67.F	61.F
8	9.029	0.693	70.F	62.F	-13.813	23.F	21.F	9.029	0.693	70.F	62.F
9	0.000	0.000	73.F	63.F	-12.433	26.F	24.F	0.000	0.000	73.F	63.F
10	8.061	0.668	74.F	63.F	-11.089	28.F	25.F	8.061	0.668	74.F	63.F
11	9.698	0.710	76.F	64.F	-10.421	29.F	25.F	9.698	0.710	76.F	64.F
12	11.006	0.723	79.F	65.F	-9.341	32.F	28.F	11.006	0.723	79.F	65.F
13	12.221	0.726	81.F	66.F	-8.408	35.F	29.F	12.221	0.726	81.F	66.F
14	13.913	0.747	85.F	67.F	-7.722	36.F	29.F	13.913	0.747	85.F	67.F
15	18.819	0.817	86.F	66.F	-7.233	36.F	29.F	18.819	0.817	86.F	66.F
16	19.132	0.842	88.F	66.F	-6.760	37.F	30.F	19.132	0.842	88.F	66.F
17	20.473	0.823	89.F	66.F	-7.472	35.F	29.F	20.473	0.823	89.F	66.F
18	22.889	0.769	87.F	67.F	-8.715	32.F	28.F	22.889	0.769	87.F	67.F
19	22.091	0.794	86.F	65.F	-8.358	30.F	26.F	22.091	0.794	86.F	65.F
20	19.595	0.748	78.F	64.F	-8.097	30.F	26.F	19.595	0.748	78.F	64.F
21	16.361	0.723	73.F	62.F	-8.267	29.F	25.F	16.361	0.723	73.F	62.F
22	13.686	0.740	73.F	60.F	-8.737	29.F	26.F	13.686	0.740	73.F	60.F
23	18.504	0.721	65.F	60.F	-9.408	30.F	26.F	18.504	0.721	65.F	60.F
24	0.000	0.000	62.F	58.F	-9.625	29.F	25.F	0.000	0.000	62.F	58.F
SUM											
MAX	22.889				-15.254			267.273			

SYSTEM-TYPE	PSZ	SQFT/TON	568.3
COOLING PEAK	21.12 (BTU/HR- SQFT)	HEATING PEAK	-14.07 (BTU/HR- SQFT)
SUPPLY AIR PEAK FLOW	1.29 (CFM/SQFT)	MIN-OA/PERSON	28.59 (CFM)
OA FRAC AT CLG PEAK	0.143	OA FRAC AT HTG PEAK	0.143

* ASTERISKS INDICATE HOURS LOADS NOT MET

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-K SPACE TEMPERATURE SUMMARY

SYSTEM-1

WEATHER FILE- SEATTLE SEATTLE-T WA

MONTH	A V E R A G E S P A C E T E M P					AVERAGE TEMPERATURE DIFFERENCE			SUMMED TEMP DIFFERENCE		HUMIDITY RATIO DIFFERENCE BETWEEN OUTDOOR AND ROOM AIR (FRAC.OR MULT.)
	ALL HOURS (F)	COOLING HOURS (F)	HEATING HOURS (F)	FAN ON HOURS (F)	FAN OFF HOURS (F)	BETWEEN OUTDOOR& ROOM AIR ALL HOURS (F)	BETWEEN OUTDOOR& ROOM AIR FAN ON HOURS (F)	BETWEEN OUTDOOR& ROOM AIR FAN OFF HOURS (F)	BETWEEN OUTDOOR& ROOM AIR HEATING HOURS (F)	BETWEEN OUTDOOR& ROOM AIR ALL HOURS (F)	
JAN	70.79		70.78	70.79	0.00	-30.70	-30.70	0.00	949.35	951.61	-0.00440
FEB	70.90	71.03	70.82	70.90	0.00	-28.42	-28.42	0.00	758.59	795.83	-0.00444
MAR	71.12	71.01	70.87	71.12	0.00	-24.14	-24.14	0.00	601.60	748.33	-0.00443
APR	72.68	76.47	70.89	72.68	0.00	-21.15	-21.15	0.00	263.33	636.03	-0.00432
MAY	74.46	76.93	71.05	74.46	0.00	-19.11	-19.11	0.00	54.82	592.32	-0.00419
JUN	76.41	77.32		76.41	0.00	-16.36	-16.36	0.00		491.14	-0.00381
JUL	77.12	77.52		77.12	0.00	-13.32	-13.32	0.00		422.25	-0.00324
AUG	77.12	77.51		77.12	0.00	-11.29	-11.29	0.00		375.27	-0.00302
SEP	75.26	77.04	71.10	75.26	0.00	-16.10	-16.10	0.00	17.24	483.12	-0.00395
OCT	72.00	74.59	70.90	72.00	0.00	-19.43	-19.43	0.00	316.61	602.44	-0.00444
NOV	70.99	71.00	70.84	70.99	0.00	-24.48	-24.48	0.00	681.84	734.30	-0.00447
DEC	70.80		70.80	70.80	0.00	-29.05	-29.05	0.00	900.59	900.59	-0.00439
ANNUAL	73.32	77.26	70.84	73.32	0.00	-21.09	-21.09	0.00	4543.97	7733.21	-0.00409

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-L FAN ELECTRIC ENERGY

SYSTEM-1

WEATHER FILE- SEATTLE SEATTLE-T WA

MONTH	FAN ELEC DURING HEATING (KWH)	FAN ELEC DURING COOLING (KWH)	FAN ELEC DURING HEAT & COOL (KWH)	FAN ELEC DURING FLOATING (KWH)	Number of hours within each PART LOAD range										TOTAL	
					00	10	20	30	40	50	60	70	80	90	100	100
					10	20	30	40	50	60	70	80	90	100	+	HOURS
JAN	452.605	0.000	0.000	1.832	0	0	0	0	0	0	0	0	0	0	744	744
FEB	376.254	1.222	0.000	32.983	0	0	0	0	0	0	0	0	0	0	672	672
MAR	337.773	2.443	0.000	114.220	0	0	0	0	0	0	0	0	0	0	744	744
APR	149.035	34.816	0.000	255.924	0	0	0	0	0	0	0	0	0	0	720	720
MAY	32.372	83.069	0.000	338.994	0	0	0	0	0	0	0	0	0	0	744	744
JUN	0.000	166.137	0.000	273.638	0	0	0	0	0	0	0	0	0	0	720	720
JUL	0.000	237.600	0.000	216.833	0	0	0	0	0	0	0	0	0	0	744	744
AUG	0.000	268.751	0.000	185.683	0	0	0	0	0	0	0	0	0	0	744	744
SEP	10.994	103.836	0.000	324.946	0	0	0	0	0	0	0	0	0	0	720	720
OCT	212.558	10.994	0.000	230.882	0	0	0	0	0	0	0	0	0	0	744	744
NOV	389.691	1.222	0.000	48.864	0	0	0	0	0	0	0	0	0	0	720	720
DEC	454.437	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	744	744
ANNUAL	2415.790	910.081	0.000	2024.852	0	0	0	0	0	0	0	0	0	0	8760	8760

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-N RELATIVE HUMIDITY SCATTER PLOT FOR

SYSTEM-1

WEATHER FILE- SEATTLE SEATTLE-T WA

TOTAL HOURS AT RELATIVE HUMIDITY LEVEL AND TIME OF DAY

HOUR	1AM	2	3	4	5	6	7	8	9	10	11	12	1PM	2	3	4	5	6	7	8	9	10	11	12	TOTAL
90-100	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	1	9
80-89	15	16	16	24	18	16	10	0	0	0	0	0	0	0	0	0	0	3	8	8	10	9	10	16	179
70-79	125	136	143	147	156	147	68	18	1	0	0	1	2	3	2	0	3	35	63	62	65	72	62	135	1446
60-69	166	167	159	146	142	154	194	69	44	37	34	27	18	13	11	16	32	63	116	125	134	155	117	162	2301
50-59	51	38	39	41	43	41	87	191	140	120	107	105	106	97	79	71	97	156	127	133	142	117	165	44	2337
40-49	7	8	7	7	6	7	6	83	143	153	169	172	167	173	180	195	173	89	50	36	13	11	9	7	1871
30-39	0	0	0	0	0	0	0	4	32	48	46	52	63	69	80	72	45	18	0	0	0	0	0	0	529
20-29	0	0	0	0	0	0	0	0	5	6	9	8	9	10	13	11	15	1	0	0	0	0	0	0	87
10-19	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
0-09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

*
* NOTE 1)THE RELATIVE HUMIDITY COUNTS ARE MADE ONLY FOR *
* THE HOURS WHEN THE FANS ARE ON *
*

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-P LOAD, ENERGY AND PART LOAD HEATING IN SYSTEM-1

WEATHER FILE- SEATTLE SEATTLE-T WA

UNIT TYPE is PSZ HEATING-CAPACITY = -47.000 (KBTU/HR) HEATING-EIR = 0.193 (BTU/BTU) SUPPLY-FLOW = 1400. (CFM)

MONTH	UNIT LOAD		ENERGY USE (KWH) (KW)	COMPRESSOR (KWH) (KW)	FAN ENERGY (KWH) (KW)	Number of hours within each PART LOAD range											TOTAL RUN HOURS
	SUM (MBTU)	PEAK (KBTU/HR)				00	10	20	30	40	50	60	70	80	90	100	
						10	20	30	40	50	60	70	80	90	100	+	
JAN	SUM	-5.301	681.958	487.398	454.437	CMP	97	311	131	112	53	37	0	0	0	0	741
	PEAK	-13.987	1.758	1.196	0.611	FAN	0	0	0	0	0	0	0	0	0	741	741
	DAY/HR	15/ 5	15/ 4	15/ 4	31/24												
FEB	SUM	-3.728	533.284	362.342	410.459	CMP	195	168	111	109	24	3	5	1	0	0	616
	PEAK	-15.254	1.916	1.353	0.611	FAN	0	0	0	0	0	0	0	0	0	616	616
	DAY/HR	19/ 5	19/ 5	19/ 5	28/24												
MAR	SUM	-2.216	303.897	249.352	454.437	CMP	308	166	60	19	0	0	0	0	0	0	553
	PEAK	-9.933	1.423	0.861	0.611	FAN	0	0	0	0	0	0	0	0	0	553	553
	DAY/HR	1/ 5	2/ 6	2/ 6	31/24												
APR	SUM	-0.796	119.575	99.894	439.778	CMP	168	53	18	5	0	0	0	0	0	0	244
	PEAK	-8.981	1.375	0.812	0.611	FAN	0	0	0	0	0	0	0	0	0	244	244
	DAY/HR	19/ 5	19/ 5	19/ 5	30/ 1												
MAY	SUM	-0.101	18.528	17.403	454.437	CMP	51	2	0	0	0	0	0	0	0	0	53
	PEAK	-4.170	1.001	0.455	0.611	FAN	0	0	0	0	0	0	0	0	0	53	53
	DAY/HR	18/ 6	11/ 5	18/ 6	31/ 1												
JUN	SUM	0.000	0.000	0.000	439.778	CMP	0	0	0	0	0	0	0	0	0	0	0
	PEAK	0.000	0.000	0.000	0.611	FAN	0	0	0	0	0	0	0	0	0	0	0
	DAY/HR	30/ 1	30/ 1	0/ 0	30/ 1												
JUL	SUM	0.000	0.000	0.000	454.437	CMP	0	0	0	0	0	0	0	0	0	0	0
	PEAK	0.000	0.000	0.000	0.611	FAN	0	0	0	0	0	0	0	0	0	0	0
	DAY/HR	31/ 1	31/ 1	0/ 0	31/ 1												
AUG	SUM	0.000	0.000	0.000	454.437	CMP	0	0	0	0	0	0	0	0	0	0	0
	PEAK	0.000	0.000	0.000	0.611	FAN	0	0	0	0	0	0	0	0	0	0	0
	DAY/HR	31/ 1	31/ 1	0/ 0	31/ 1												
SEP	SUM	-0.036	6.000	6.000	439.778	CMP	18	0	0	0	0	0	0	0	0	0	18
	PEAK	-3.322	0.403	0.403	0.611	FAN	0	0	0	0	0	0	0	0	0	18	18
	DAY/HR	27/ 5	27/ 5	27/ 5	30/ 1												
OCT	SUM	-1.020	132.688	132.688	454.437	CMP	298	50	0	0	0	0	0	0	0	0	348
	PEAK	-6.273	0.561	0.561	0.611	FAN	0	0	0	0	0	0	0	0	0	348	348
	DAY/HR	29/ 5	29/ 5	29/ 5	31/24												
NOV	SUM	-3.109	395.281	322.181	439.778	CMP	285	232	70	45	6	0	0	0	0	0	638
	PEAK	-10.477	1.518	0.956	0.611	FAN	0	0	0	0	0	0	0	0	0	638	638
	DAY/HR	13/ 5	13/ 5	13/ 5	30/24												
DEC	SUM	-4.871	624.621	459.301	454.437	CMP	148	314	93	144	40	5	0	0	0	0	744
	PEAK	-12.395	1.675	1.113	0.611	FAN	0	0	0	0	0	0	0	0	0	744	744
	DAY/HR	26/ 4	26/ 4	26/ 4	31/24												
YR	SUM	-21.179	2815.833	2136.557	5350.875	CMP	1568	1296	483	434	123	45	5	1	0	0	3955
	PEAK	-15.254	1.916	1.353	0.611	FAN	0	0	0	0	0	0	0	0	0	3955	3955
	MON/DAY	2/19	2/19	2/19	12/31												

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-P LOAD, ENERGY AND PART LOAD COOLING IN SYSTEM-1

WEATHER FILE- SEATTLE SEATTLE-T WA

UNIT TYPE is PSZ COOLING-CAPACITY = 42.000 (KBTU/HR) COOLING-EIR = 0.227 (BTU/BTU) SUPPLY-FLOW = 1400. (CFM)

MONTH	UNIT LOAD		ENERGY USE (KWH) (KW)	COMPRESSOR (KWH) (KW)	FAN ENERGY (KWH) (KW)	Number of hours within each PART LOAD range											TOTAL RUN HOURS
	SUM (MBTU)	PEAK (KBTU/HR)				00	10	20	30	40	50	60	70	80	90	100	
						10	20	30	40	50	60	70	80	90	100	+	
JAN	SUM	0.000	0.000	0.000	454.437	CMP	0	0	0	0	0	0	0	0	0	0	0
	PEAK	0.000	0.000	0.000	0.611	FAN	0	0	0	0	0	0	0	0	0	0	0
	DAY/HR	31/24	31/24	0/ 0	31/24												
FEB	SUM	0.000	0.012	0.012	410.459	CMP	0	0	2	0	0	0	0	0	0	0	2
	PEAK	0.145	0.007	0.007	0.611	FAN	0	0	0	0	0	0	0	0	0	2	2
	DAY/HR	27/11	27/11	27/11	28/24												
MAR	SUM	0.000	0.010	0.010	454.437	CMP	0	0	4	0	0	0	0	0	0	0	4
	PEAK	0.116	0.006	0.006	0.611	FAN	0	0	0	0	0	0	0	0	0	4	4
	DAY/HR	30/13	30/13	30/13	31/24												
APR	SUM	0.278	13.964	13.964	439.778	CMP	0	0	52	5	0	0	0	0	0	0	57
	PEAK	14.860	0.717	0.717	0.611	FAN	0	0	0	0	0	0	0	0	0	57	57
	DAY/HR	27/19	27/19	27/19	30/ 1												
MAY	SUM	0.848	42.312	42.312	454.437	CMP	0	0	134	2	0	0	0	0	0	0	136
	PEAK	13.887	0.670	0.670	0.611	FAN	0	0	0	0	0	0	0	0	0	136	136
	DAY/HR	6/24	6/24	6/24	31/ 1												
JUN	SUM	2.056	102.341	102.341	439.778	CMP	0	0	244	26	2	0	0	0	0	0	272
	PEAK	18.432	0.890	0.890	0.611	FAN	0	0	0	0	0	0	0	0	0	272	272
	DAY/HR	28/19	28/19	28/19	30/ 1												
JUL	SUM	3.512	173.102	173.102	454.437	CMP	0	0	303	65	21	0	0	0	0	0	389
	PEAK	20.906	1.044	1.044	0.611	FAN	0	0	0	0	0	0	0	0	0	389	389
	DAY/HR	24/19	24/19	24/19	31/ 1												
AUG	SUM	3.847	191.367	191.367	454.437	CMP	0	0	337	63	37	3	0	0	0	0	440
	PEAK	22.889	1.250	1.250	0.611	FAN	0	0	0	0	0	0	0	0	0	440	440
	DAY/HR	10/19	10/19	10/19	31/ 1												
SEP	SUM	1.204	60.152	60.152	439.778	CMP	0	0	162	8	0	0	0	0	0	0	170
	PEAK	14.343	0.692	0.692	0.611	FAN	0	0	0	0	0	0	0	0	0	170	170
	DAY/HR	13/24	13/24	13/24	30/ 1												
OCT	SUM	0.028	1.447	1.447	454.437	CMP	0	0	18	0	0	0	0	0	0	0	18
	PEAK	6.286	0.321	0.321	0.611	FAN	0	0	0	0	0	0	0	0	0	18	18
	DAY/HR	4/24	4/24	4/24	31/24												
NOV	SUM	0.000	0.007	0.007	439.778	CMP	0	0	2	0	0	0	0	0	0	0	2
	PEAK	0.072	0.004	0.004	0.611	FAN	0	0	0	0	0	0	0	0	0	2	2
	DAY/HR	6/ 7	6/ 7	6/ 7	30/24												
DEC	SUM	0.000	0.000	0.000	454.437	CMP	0	0	0	0	0	0	0	0	0	0	0
	PEAK	0.000	0.000	0.000	0.611	FAN	0	0	0	0	0	0	0	0	0	0	0
	DAY/HR	31/24	31/24	0/ 0	31/24												
YR	SUM	11.773	584.712	584.712	5350.875	CMP	0	0	1258	169	60	3	0	0	0	0	1490
	PEAK	22.889	1.250	1.250	0.611	FAN	0	0	0	0	0	0	0	0	0	1490	1490
	MON/DAY	8/10	8/10	8/10	12/31												

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-Q HEAT PUMP COOLING SUMMARY FOR SYSTEM-1

WEATHER FILE- SEATTLE SEATTLE-T WA

	UNIT RUN TIME (HOURS)	TOTAL LOAD ON UNIT (MBTU)	ENERGY IN TO UNIT (MBTU)	AUXILIARY ENERGY (MBTU)	SUP UNIT LOAD (MBTU)	SUP UNIT ENERGY (MBTU)	WASTE HEAT GENERATED (MBTU)	WASTE HEAT USE (MBTU)		INDOOR FAN ENERGY (MBTU)
JAN	0.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002
FEB	0.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.043
MAR	1.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.145
APR	15.	0.278	0.048	0.000	0.000	0.000	0.000	0.000	0.000	0.397
MAY	34.	0.848	0.144	0.000	0.000	0.000	0.000	0.000	0.000	0.616
JUN	71.	2.056	0.349	0.000	0.000	0.000	0.000	0.000	0.000	0.739
JUL	108.	3.512	0.591	0.000	0.000	0.000	0.000	0.000	0.000	0.845
AUG	124.	3.847	0.653	0.000	0.000	0.000	0.000	0.000	0.000	0.883
SEP	43.	1.204	0.205	0.000	0.000	0.000	0.000	0.000	0.000	0.650
OCT	4.	0.028	0.005	0.000	0.000	0.000	0.000	0.000	0.000	0.309
NOV	0.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.063
DEC	0.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0ANNUAL	403.	11.773	1.996	0.000	0.000	0.000	0.000	0.000	0.000	4.692

0CSPF (WITH PARASITICS) = 1.76 (KBTU/HR)

0CSPF (WITHOUT PARASITICS) = 5.90 (BTU/BTU)

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-Q HEAT PUMP HEATING SUMMARY FOR SYSTEM-1

WEATHER FILE- SEATTLE SEATTLE-T WA

	UNIT RUN TIME (HOURS)	TOTAL LOAD ON UNIT (MBTU)	ENERGY IN TO UNIT (MBTU)	AUXILIARY ENERGY (MBTU)	SUP UNIT LOAD (MBTU)	SUP UNIT ENERGY (MBTU)	WASTE HEAT GENERATED (MBTU)	WASTE HEAT USE (MBTU)	DEFROST LOAD (MBTU)	INDOOR FAN ENERGY (MBTU)
JAN	166.	-5.301	2.328	0.000	0.000	0.000	0.000	0.000	0.000	1.107
FEB	117.	-3.728	1.820	0.000	0.000	0.000	0.000	0.000	0.000	0.959
MAR	58.	-2.216	1.037	0.000	0.000	0.000	0.000	0.000	0.000	0.964
APR	21.	-0.796	0.408	0.000	0.000	0.000	0.000	0.000	0.000	0.676
MAY	2.	-0.101	0.063	0.000	0.000	0.000	0.000	0.000	0.000	0.493
JUN	0.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.334
JUL	0.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.265
AUG	0.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.227
SEP	1.	-0.036	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.423
OCT	21.	-1.020	0.453	0.000	0.000	0.000	0.000	0.000	0.000	0.801
NOV	84.	-3.109	1.349	0.000	0.000	0.000	0.000	0.000	0.000	1.011
DEC	148.	-4.871	2.132	0.000	0.000	0.000	0.000	0.000	0.000	1.109
0ANNUAL	618.	-21.179	9.610	0.000	0.000	0.000	0.000	0.000	0.000	8.367

0HSPF (WITH PARASITICS) = 1.64 (KBTU/HR)

0HSPF (WITHOUT PARASITICS) = 2.20 (BTU/BTU)

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-G ZONE LOADS SUMMARY IN SYSTEM-1 FOR 1-Fitness/Meetin

WEATHER FILE- SEATTLE SEATTLE-T WA

- - - - - C O O L I N G - - - - -					- - - - - H E A T I N G - - - - -					- - - E L E C - - -		
MONTH	COOLING ENERGY (MBTU)	TIME OF MAX DY HR	DRY- BULB TEMP	WET- BULB TEMP	MAXIMUM COOLING LOAD (KBTU/HR)	HEATING ENERGY (MBTU)	TIME OF MAX DY HR	DRY- BULB TEMP	WET- BULB TEMP	MAXIMUM HEATING LOAD (KBTU/HR)	ELEC- TRICAL ENERGY (KWH)	MAXIMUM ELEC LOAD (KW)
JAN	0.00000				0.000	0.000				0.000	669.	1.816
FEB	0.00000				0.000	0.000				0.000	604.	1.816
MAR	0.00000				0.000	0.000				0.000	669.	1.816
APR	0.00000				0.000	0.000				0.000	647.	1.816
MAY	0.00000				0.000	0.000				0.000	669.	1.816
JUN	0.00000				0.000	0.000				0.000	647.	1.816
JUL	0.00000				0.000	0.000				0.000	669.	1.816
AUG	0.00000				0.000	0.000				0.000	669.	1.816
SEP	0.00000				0.000	0.000				0.000	647.	1.816
OCT	0.00000				0.000	0.000				0.000	669.	1.816
NOV	0.00000				0.000	0.000				0.000	647.	1.816
DEC	0.00000				0.000	0.000				0.000	669.	1.816
TOTAL	0.000					0.000					7872.	
MAX					0.000					0.000		1.816

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-F ZONE DEMAND SUMMARY IN SYSTEM-1

FOR 1-Fitness/Meetin

WEATHER FILE- SEATTLE SEATTLE-T WA

- - - D E M A N D S - - - - - B A S E B O A R D S - - - - - T E M P E R A T U R E S - - - - L O A D S N O T M E T - -

MONTH	HEAT EXTRACTION ENERGY (MBTU)	HEAT ADDITION ENERGY (MBTU)	BASEBOARD ENERGY (MBTU)	MAXIMUM BASEBOARD LOAD (KBTU/HR)	MAXIMUM ZONE TEMP (F)	MINIMUM ZONE TEMP (F)	HOURS UNDER HEATED	HOURS UNDER COOLED
JAN	0.04815	-1.536	0.00000	0.000	71.2	70.6	0	0
FEB	0.26972	-0.914	0.00000	0.000	74.1	70.6	0	0
MAR	0.90659	-0.373	0.00000	0.000	74.9	70.7	0	0
APR	1.72805	-0.096	0.00000	0.000	79.3	70.7	0	0
MAY	2.54987	0.000	0.00000	0.000	79.3	70.8	0	0
JUN	3.14110	0.000	0.00000	0.000	79.4	71.7	0	0
JUL	3.77536	0.000	0.00000	0.000	79.5	74.3	0	0
AUG	3.61685	0.000	0.00000	0.000	79.5	74.2	0	0
SEP	2.29279	0.000	0.00000	0.000	79.3	70.9	0	0
OCT	1.11535	-0.115	0.00000	0.000	77.2	70.8	0	0
NOV	0.30931	-0.698	0.00000	0.000	74.7	70.7	0	0
DEC	0.04949	-1.370	0.00000	0.000	71.0	70.7	0	0

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-0 TEMPERATURE SCATTER PLOT SYSTEM-1

FOR 1-Fitness/Meetin

WEATHER FILE- SEATTLE SEATTLE-T WA

TOTAL HOURS AT TEMPERATURE LEVEL AND TIME OF DAY

HOUR	1AM	2	3	4	5	6	7	8	9	10	11	12	1PM	2	3	4	5	6	7	8	9	10	11	12	TOTAL
ABOVE 85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80-85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75-80	111	106	93	76	76	85	96	103	108	112	124	130	133	142	146	151	153	159	159	156	147	138	2	113	2819
70-75	254	259	272	289	289	280	269	262	257	253	241	235	232	223	219	214	212	206	206	209	218	227	363	252	5941
65-70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60-65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BELOW 60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	=====

*
* NOTE 1)THE TEMPERATURE COUNTS ARE MADE ONLY FOR
* THE HOURS WHEN THE FANS ARE ON
*

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-A SYSTEM MONTHLY LOADS SUMMARY FOR

SYSTEM-2

WEATHER FILE- SEATTLE SEATTLE-T WA

- - - - - C O O L I N G - - - - -												
- - - - - H E A T I N G - - - - -												
- - - E L E C - - -												
MONTH	COOLING ENERGY (MBTU)	TIME OF MAX DY HR	DRY- BULB TEMP	WET- BULB TEMP	MAXIMUM COOLING LOAD (KBTU/HR)	HEATING ENERGY (MBTU)	TIME OF MAX DY HR	DRY- BULB TEMP	WET- BULB TEMP	MAXIMUM HEATING LOAD (KBTU/HR)	ELEC- TRICAL ENERGY (KWH)	MAXIMUM ELEC LOAD (KW)
JAN	0.00000				0.000	-8.035	15 4	26.F	24.F	-22.292	2390.	5.536
FEB	0.00083	27 24	54.F	51.F	0.366	-5.403	19 5	22.F	21.F	-24.939	2022.	5.568
MAR	0.00051	4 13	53.F	46.F	0.133	-2.978	25 5	36.F	28.F	-14.515	1856.	4.957
APR	0.44097	27 19	79.F	61.F	22.272	-1.109	19 5	36.F	35.F	-14.273	1626.	4.662
MAY	1.17374	6 24	62.F	59.F	21.447	-0.109	18 9	43.F	42.F	-5.058	1594.	4.648
JUN	2.58375	28 19	78.F	62.F	26.291	0.000				0.000	1604.	5.038
JUL	4.98327	24 19	84.F	65.F	30.891	0.000	20 5	57.F	52.F	-0.006	1781.	5.247
AUG	5.93636	10 19	87.F	67.F	35.655	0.000				0.000	1834.	5.446
SEP	2.30210	13 24	64.F	58.F	23.938	-0.011	28 5	48.F	46.F	-2.352	1590.	4.847
OCT	0.20242	4 24	57.F	50.F	13.617	-1.046	29 5	44.F	43.F	-8.969	1644.	4.359
NOV	0.00545	4 24	56.F	55.F	4.870	-4.403	13 5	34.F	34.F	-16.562	1940.	5.174
DEC	0.00016	2 13	54.F	43.F	0.101	-7.181	26 4	30.F	30.F	-20.127	2302.	5.523
TOTAL	17.630					-30.275					22182.	
MAX					35.655					-24.939		5.568

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-B SYSTEM MONTHLY LOADS SUMMARY FOR

SYSTEM-2

WEATHER FILE- SEATTLE SEATTLE-T WA

	- Z O N E C O O L I N G -	- Z O N E H E A T I N G -	- B A S E B O A R D S -	- P R E H E A T O R F U R N F A N E L E C -				
	COOLING BY ZONE COILS OR NAT VENTIL (MBTU)	MAXIMUM COOLING BY ZONE COILS OR NAT VENTIL (KBTU/HR)	HEATING BY ZONE COILS OR FURNACE (MBTU)	MAXIMUM HEATING BY ZONE COILS OR FURNACE (KBTU/HR)	BASEBOARD HEATING ENERGY (MBTU)	MAXIMUM BASEBOARD HEATING ENERGY (KBTU/HR)	PREHEAT COIL ENERGY OR ELEC FOR FURN FAN (MBTU)	MAXIMUM PREHEAT COIL ENERGY OR ELEC FOR FURN FAN (KBTU/HR)
MONTH								
JAN	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
FEB	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
MAR	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
APR	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
MAY	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
JUN	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
JUL	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
AUG	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
SEP	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
OCT	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
NOV	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
DEC	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0TOTAL	0.000		0.000		0.000		0.000	
0MAX		0.000		0.000		0.000		0.000

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-C SYSTEM MONTHLY LOAD HOURS FOR

SYSTEM-2

WEATHER FILE- SEATTLE SEATTLE-T WA

--COINCIDENT LOADS--												
	N U M B E R O F H O U R S											
MONTH	HOURS COOLING LOAD	HOURS HEATING LOAD	HOURS COINCIDENT COOL-HEAT LOAD	HOURS FLOATING	HOURS HEATING AVAIL.	HOURS COOLING AVAIL.	HOURS FANS ON	HOURS FANS CYCLE ON	HOURS NIGHT VENTING	HOURS FLOATING WHEN FANS ON	HEATING LOAD AT COOLING PEAK (KBTU/HR)	ELECTRIC LOAD AT COOLING PEAK (KW)
JAN	0	735	0	9	744	744	744	0	0	9	-6.021	3.726
FEB	7	583	0	82	672	672	672	0	0	82	0.000	3.185
MAR	6	484	0	254	744	744	744	0	0	254	0.000	1.703
APR	68	222	0	430	720	720	720	0	0	430	0.000	4.060
MAY	125	42	0	577	744	744	744	0	0	577	0.000	4.303
JUN	270	0	0	450	720	720	720	0	0	450	0.000	4.273
JUL	420	1	0	323	744	744	744	0	0	323	0.000	4.518
AUG	479	0	0	265	744	744	744	0	0	265	0.000	4.894
SEP	226	7	0	487	720	720	720	0	0	487	0.000	4.436
OCT	50	270	0	424	744	744	744	0	0	424	0.000	3.887
NOV	5	592	0	123	720	720	720	0	0	123	0.000	3.438
DEC	2	731	0	11	744	744	744	0	0	11	0.000	1.701
ANNUAL	1658	3667	0	3435	8760	8760	8760	0	0	3435		

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-H SYSTEM MONTHLY LOADS SUMMARY FOR

SYSTEM-2

WEATHER FILE- SEATTLE SEATTLE-T WA

MONTH	- - F A N E L E C - - -		- - F U E L H E A T - -		- - F U E L C O O L - -		- E L E C H E A T - -		- E L E C C O O L - -	
	FAN ENERGY (KWH)	MAXIMUM FAN LOAD (KW)	GAS OIL ENERGY (MBTU)	MAXIMUM GAS OIL LOAD (KBTU/HR)	GAS OIL ENERGY (MBTU)	MAXIMUM GAS OIL LOAD (KBTU/HR)	ELECTRIC ENERGY (KWH)	MAXIMUM ELECTRIC LOAD (KW)	ELECTRIC ENERGY (KWH)	MAXIMUM ELECTRIC LOAD (KW)
JAN	454.	0.610	0.000	0.000	0.000	0.000	877.	2.456	0.	0.000
FEB	410.	0.610	0.000	0.000	0.000	0.000	656.	3.044	0.	0.021
MAR	454.	0.610	0.000	0.000	0.000	0.000	343.	1.829	0.	0.007
APR	440.	0.610	0.000	0.000	0.000	0.000	138.	1.797	24.	1.183
MAY	454.	0.610	0.000	0.000	0.000	0.000	17.	1.080	64.	1.139
JUN	440.	0.610	0.000	0.000	0.000	0.000	0.	0.000	140.	1.396
JUL	454.	0.610	0.000	0.000	0.000	0.000	0.	0.269	268.	1.641
AUG	454.	0.610	0.000	0.000	0.000	0.000	0.	0.000	321.	2.017
SEP	440.	0.610	0.000	0.000	0.000	0.000	2.	0.367	124.	1.271
OCT	454.	0.610	0.000	0.000	0.000	0.000	120.	0.715	11.	0.723
NOV	440.	0.610	0.000	0.000	0.000	0.000	476.	2.021	0.	0.274
DEC	454.	0.610	0.000	0.000	0.000	0.000	789.	2.319	0.	0.006
0TOTAL	5348.		0.000		0.000		3419.		954.	
0MAX		0.610		0.000		0.000		3.044		2.017

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-I SYSTEM MONTHLY SENSIBLE LATENT SUMMARY FOR SYSTEM-2

WEATHER FILE- SEATTLE SEATTLE-T WA

MONTH	SENSIBLE COOLING ENERGY (MBTU)	LATENT COOLING ENERGY (MBTU)	MAX TOTAL COOLING ENERGY (KBTU/HR)	SENSIBLE HEAT RATIO AT MAX	TIME OF MAX DY HR	SENSIBLE HEATING ENERGY (MBTU)	LATENT HEATING ENERGY (MBTU)	MAX TOTAL HEATING ENERGY (KBTU/HR)
JAN	0.00000	0.00000	0.000			-8.03478	0.00000	-22.29247
FEB	0.00074	0.00009	0.366	0.871	27 24	-5.40299	0.00000	-24.939
MAR	0.00049	0.00002	0.133	1.000	4 13	-2.97801	0.00000	-14.515
APR	0.40965	0.03132	22.272	0.914	27 19	-1.10866	0.00000	-14.273
MAY	1.06059	0.11314	21.447	0.784	6 24	-0.10949	0.00000	-5.058
JUN	2.37393	0.20982	26.291	0.888	28 19	0.00000	0.00000	0.000
JUL	4.33084	0.65243	30.891	0.868	24 19	-0.00001	0.00000	-0.006
AUG	5.00272	0.93364	35.655	0.852	10 19	0.00000	0.00000	0.000
SEP	1.95386	0.34824	23.938	0.843	13 24	-0.01115	0.00000	-2.352
OCT	0.19373	0.00869	13.617	0.983	4 24	-1.04587	0.00000	-8.969
NOV	0.00420	0.00125	4.870	0.752	4 24	-4.40319	0.00000	-16.562
DEC	0.00016	0.00000	0.101	1.000	2 13	-7.18108	0.00000	-20.127
TOTAL	15.331	2.299				-30.275	0.000	
MAX			35.655	0.852				-24.939

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-J SYSTEM PEAK HEATING AND COOLING DAYS FOR

SYSTEM-2

WEATHER FILE- SEATTLE SEATTLE-T WA

- - - - C O O L I N G - - - -					- - - H E A T I N G - - -			D A Y C O O L I N G P E A K			
AUG 10					FEB 19			AUG 10			
HOURLY COOLING LOAD (KBTU)	SENSIBLE HEAT RATIO	DRY- BULB TEMP	WET- BULB TEMP		HOURLY HEATING LOAD (KBTU)	DRY- BULB TEMP	WET- BULB TEMP	HOURLY COOLING LOAD (KBTU)	SENSIBLE HEAT RATIO	DRY- BULB TEMP	WET- BULB TEMP
1	9.985	0.766	66.F	59.F	-21.531	25.F	24.F	9.985	0.766	66.F	59.F
2	6.384	0.784	62.F	57.F	-22.602	24.F	23.F	6.384	0.784	62.F	57.F
3	7.165	0.760	65.F	59.F	-22.092	26.F	24.F	7.165	0.760	65.F	59.F
4	5.710	0.764	64.F	58.F	-24.023	23.F	22.F	5.710	0.764	64.F	58.F
5	5.948	0.755	63.F	58.F	-24.939	22.F	21.F	5.948	0.755	63.F	58.F
6	7.586	0.732	63.F	59.F	-24.019	22.F	21.F	7.586	0.732	63.F	59.F
7	10.200	0.738	67.F	61.F	-22.542	23.F	22.F	10.200	0.738	67.F	61.F
8	12.262	0.768	70.F	62.F	-22.599	23.F	21.F	12.262	0.768	70.F	62.F
9	0.000	0.000	73.F	63.F	-20.485	26.F	24.F	0.000	0.000	73.F	63.F
10	9.057	0.744	74.F	63.F	-18.151	28.F	25.F	9.057	0.744	74.F	63.F
11	12.269	0.765	76.F	64.F	-16.800	29.F	25.F	12.269	0.765	76.F	64.F
12	14.942	0.777	79.F	65.F	-14.411	32.F	28.F	14.942	0.777	79.F	65.F
13	17.475	0.776	81.F	66.F	-12.116	35.F	29.F	17.475	0.776	81.F	66.F
14	20.887	0.796	85.F	67.F	-10.688	36.F	29.F	20.887	0.796	85.F	67.F
15	29.813	0.865	86.F	66.F	-9.629	36.F	29.F	29.813	0.865	86.F	66.F
16	30.269	0.897	88.F	66.F	-8.403	37.F	30.F	30.269	0.897	88.F	66.F
17	31.890	0.901	89.F	66.F	-9.999	35.F	29.F	31.890	0.901	89.F	66.F
18	35.655	0.852	87.F	67.F	-12.267	32.F	28.F	35.655	0.852	87.F	67.F
19	34.058	0.892	86.F	65.F	-11.168	30.F	26.F	34.058	0.892	86.F	65.F
20	30.344	0.844	78.F	64.F	-10.705	30.F	26.F	30.344	0.844	78.F	64.F
21	25.301	0.832	73.F	62.F	-11.054	29.F	25.F	25.301	0.832	73.F	62.F
22	21.062	0.876	73.F	60.F	-12.024	29.F	26.F	21.062	0.876	73.F	60.F
23	29.228	0.824	65.F	60.F	-13.281	30.F	26.F	29.228	0.824	65.F	60.F
24	0.000	0.000	62.F	58.F	-13.717	29.F	25.F	0.000	0.000	62.F	58.F
-----					-----			-----			
SUM								407.487			
MAX	35.655				-24.939						

SYSTEM-TYPE	PSZ	SQFT/TON	716.2
COOLING PEAK	16.75 (BTU/HR- SQFT)	HEATING PEAK	-11.72 (BTU/HR- SQFT)
SUPPLY AIR PEAK FLOW	0.71 (CFM/SQFT)	MIN-OA/PERSON	20.00 (CFM)
OA FRAC AT CLG PEAK	0.280	OA FRAC AT HTG PEAK	0.280

* ASTERISKS INDICATE HOURS LOADS NOT MET

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-K SPACE TEMPERATURE SUMMARY

SYSTEM-2

WEATHER FILE- SEATTLE SEATTLE-T WA

MONTH	A V E R A G E S P A C E T E M P					AVERAGE TEMPERATURE DIFFERENCE			SUMMED TEMP DIFFERENCE		HUMIDITY RATIO DIFFERENCE BETWEEN OUTDOOR AND ROOM AIR (FRAC.OR MULT.)
	ALL HOURS (F)	COOLING HOURS (F)	HEATING HOURS (F)	FAN ON HOURS (F)	FAN OFF HOURS (F)	BETWEEN OUTDOOR& ROOM AIR ALL HOURS (F)	BETWEEN OUTDOOR& ROOM AIR FAN ON HOURS (F)	BETWEEN OUTDOOR& ROOM AIR FAN OFF HOURS (F)	BETWEEN OUTDOOR& ROOM AIR HEATING HOURS (F)	BETWEEN OUTDOOR& ROOM AIR ALL HOURS (F)	
JAN	70.70		70.69	70.70	0.00	-30.61	-30.61	0.00	942.52	948.84	-0.00142
FEB	70.91	71.43	70.75	70.91	0.00	-28.43	-28.43	0.00	729.18	796.10	-0.00144
MAR	71.25	71.01	70.82	71.25	0.00	-24.27	-24.27	0.00	533.13	752.37	-0.00144
APR	72.79	76.16	70.84	72.79	0.00	-21.26	-21.26	0.00	240.82	639.16	-0.00141
MAY	74.50	77.00	71.27	74.50	0.00	-19.15	-19.15	0.00	42.59	593.63	-0.00138
JUN	76.50	77.38		76.50	0.00	-16.45	-16.45	0.00		493.70	-0.00131
JUL	77.35	77.65	76.96	77.35	0.00	-13.55	-13.55	0.00	0.83	428.60	-0.00101
AUG	77.40	77.71		77.40	0.00	-11.57	-11.57	0.00		381.85	-0.00083
SEP	75.95	77.37	70.95	75.95	0.00	-16.79	-16.79	0.00	6.86	503.82	-0.00121
OCT	72.75	76.44	70.89	72.75	0.00	-20.18	-20.18	0.00	246.94	625.70	-0.00144
NOV	71.08	72.27	70.77	71.08	0.00	-24.57	-24.57	0.00	643.78	736.99	-0.00145
DEC	70.72	71.01	70.71	70.72	0.00	-28.97	-28.97	0.00	887.36	898.09	-0.00142
ANNUAL	73.51	77.36	70.77	73.51	0.00	-21.27	-21.27	0.00	4274.02	7798.85	-0.00131

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-L FAN ELECTRIC ENERGY

SYSTEM-2

WEATHER FILE- SEATTLE SEATTLE-T WA

MONTH	FAN ELEC DURING HEATING (KWH)	FAN ELEC DURING COOLING (KWH)	FAN ELEC DURING HEAT & COOL (KWH)	FAN ELEC DURING FLOATING (KWH)	----- Number of hours within each PART LOAD range -----										----- TOTAL	
					00 10	10 20	20 30	30 40	40 50	50 60	60 70	70 80	80 90	90 100	100 +	RUN HOURS
JAN	448.714	0.000	0.000	5.494	0	0	0	0	0	0	0	0	0	0	744	744
FEB	355.918	4.273	0.000	50.060	0	0	0	0	0	0	0	0	0	0	672	672
MAR	295.478	3.663	0.000	155.064	0	0	0	0	0	0	0	0	0	0	744	744
APR	135.529	41.513	0.000	262.510	0	0	0	0	0	0	0	0	0	0	720	720
MAY	25.641	76.311	0.000	352.255	0	0	0	0	0	0	0	0	0	0	744	744
JUN	0.000	164.832	0.000	274.721	0	0	0	0	0	0	0	0	0	0	720	720
JUL	0.610	256.405	0.000	197.188	0	0	0	0	0	0	0	0	0	0	744	744
AUG	0.000	292.425	0.000	161.780	0	0	0	0	0	0	0	0	0	0	744	744
SEP	4.273	137.971	0.000	297.309	0	0	0	0	0	0	0	0	0	0	720	720
OCT	164.832	30.525	0.000	258.847	0	0	0	0	0	0	0	0	0	0	744	744
NOV	361.412	3.052	0.000	75.090	0	0	0	0	0	0	0	0	0	0	720	720
DEC	446.272	1.221	0.000	6.715	0	0	0	0	0	0	0	0	0	0	744	744
ANNUAL	2238.664	1012.185	0.000	2097.006	0	0	0	0	0	0	0	0	0	0	8760	8760

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-N RELATIVE HUMIDITY SCATTER PLOT FOR

SYSTEM-2

WEATHER FILE- SEATTLE SEATTLE-T WA

TOTAL HOURS AT RELATIVE HUMIDITY LEVEL AND TIME OF DAY

HOUR	1AM	2	3	4	5	6	7	8	9	10	11	12	1PM	2	3	4	5	6	7	8	9	10	11	12	TOTAL
90-100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60-69	5	6	6	7	4	5	3	0	0	0	0	0	0	0	0	0	1	2	3	5	3	2	3	5	60
50-59	88	89	97	103	112	107	82	48	40	33	36	32	24	18	13	16	18	34	40	37	40	52	44	100	1303
40-49	180	179	175	168	164	169	176	167	148	152	143	128	123	116	114	108	136	169	209	217	215	207	231	173	3967
30-39	75	75	71	68	69	67	88	122	131	131	141	159	167	175	173	182	153	128	95	86	89	85	67	68	2665
20-29	17	15	15	18	15	17	16	28	41	42	39	39	42	48	54	50	47	27	18	20	18	19	19	18	682
10-19	0	1	1	1	1	0	0	0	5	7	6	7	9	8	11	9	10	5	0	0	0	0	1	1	83
0-09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	=====

*
* NOTE 1)THE RELATIVE HUMIDITY COUNTS ARE MADE ONLY FOR *
* THE HOURS WHEN THE FANS ARE ON *
*

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-P LOAD, ENERGY AND PART LOAD HEATING IN SYSTEM-2

WEATHER FILE- SEATTLE SEATTLE-T WA

UNIT TYPE is PSZ HEATING-CAPACITY = -52.007 (KBTU/HR) HEATING-EIR = 0.190 (BTU/BTU) SUPPLY-FLOW = 1520. (CFM)

MONTH	UNIT LOAD		ENERGY USE	COMPRESSOR	FAN ENERGY	Number of hours within each PART LOAD range												TOTAL	
	SUM	(MBTU)	(KWH)	(KWH)	(KWH)													HOURS	
	PEAK	(KBTU/HR)	(KW)	(KW)	(KW)	00 10	10 20	20 30	30 40	40 50	50 60	60 70	70 80	80 90	90 100	100 +			
JAN	SUM	-8.035	877.267	661.980	454.209	CMP	49	232	153	74	93	54	39	33	8	0	0	735	
	PEAK	-22.292	2.456	1.834	0.610	FAN	0	0	0	0	0	0	0	0	0	0	735	735	
	DAY/HR	15/ 4	7/ 9	7/ 9	31/24														
FEB	SUM	-5.403	655.520	465.925	410.252	CMP	136	142	76	69	87	46	18	1	2	3	3	583	
	PEAK	-24.939	3.044	2.065	0.610	FAN	0	0	0	0	0	0	0	0	0	0	583	583	
	DAY/HR	19/ 5	19/ 5	19/ 4	28/24														
MAR	SUM	-2.978	343.277	283.545	454.209	CMP	199	169	50	48	16	2	0	0	0	0	0	484	
	PEAK	-14.515	1.829	1.206	0.610	FAN	0	0	0	0	0	0	0	0	0	0	484	484	
	DAY/HR	25/ 5	5/ 5	5/ 5	31/24														
APR	SUM	-1.109	138.067	116.290	439.557	CMP	125	63	12	13	9	0	0	0	0	0	0	222	
	PEAK	-14.273	1.797	1.174	0.610	FAN	0	0	0	0	0	0	0	0	0	0	222	222	
	DAY/HR	19/ 5	19/ 5	19/ 5	30/ 1														
MAY	SUM	-0.109	17.342	16.097	454.209	CMP	40	2	0	0	0	0	0	0	0	0	0	42	
	PEAK	-5.058	1.080	0.515	0.610	FAN	0	0	0	0	0	0	0	0	0	0	42	42	
	DAY/HR	18/ 9	11/ 5	18/ 9	31/ 1														
JUN	SUM	0.000	0.000	0.000	439.557	CMP	0	0	0	0	0	0	0	0	0	0	0	0	
	PEAK	0.000	0.000	0.000	0.610	FAN	0	0	0	0	0	0	0	0	0	0	0	0	
	DAY/HR	30/ 1	30/ 1	0/ 0	30/ 1														
JUL	SUM	0.000	0.269	0.269	454.209	CMP	1	0	0	0	0	0	0	0	0	0	0	1	
	PEAK	-0.006	0.269	0.269	0.610	FAN	0	0	0	0	0	0	0	0	0	0	1	1	
	DAY/HR	20/ 5	20/ 5	20/ 5	31/ 1														
AUG	SUM	0.000	0.000	0.000	454.209	CMP	0	0	0	0	0	0	0	0	0	0	0	0	
	PEAK	0.000	0.000	0.000	0.610	FAN	0	0	0	0	0	0	0	0	0	0	0	0	
	DAY/HR	31/ 1	31/ 1	0/ 0	31/ 1														
SEP	SUM	-0.011	2.300	2.300	439.557	CMP	7	0	0	0	0	0	0	0	0	0	0	7	
	PEAK	-2.352	0.367	0.367	0.610	FAN	0	0	0	0	0	0	0	0	0	0	7	7	
	DAY/HR	28/ 5	28/ 5	28/ 5	30/ 1														
OCT	SUM	-1.046	120.343	120.343	454.209	CMP	207	63	0	0	0	0	0	0	0	0	0	270	
	PEAK	-8.969	0.715	0.715	0.610	FAN	0	0	0	0	0	0	0	0	0	0	270	270	
	DAY/HR	29/ 5	29/ 5	29/ 5	31/24														
NOV	SUM	-4.403	475.595	394.706	439.557	CMP	177	198	118	30	44	24	1	0	0	0	0	592	
	PEAK	-16.562	2.021	1.399	0.610	FAN	0	0	0	0	0	0	0	0	0	0	592	592	
	DAY/HR	13/ 5	13/ 5	13/ 5	30/24														
DEC	SUM	-7.181	789.388	606.457	454.209	CMP	94	226	152	53	118	51	24	13	0	0	0	731	
	PEAK	-20.127	2.319	1.696	0.610	FAN	0	0	0	0	0	0	0	0	0	0	731	731	
	DAY/HR	26/ 4	26/ 4	26/ 4	31/24														
YR	SUM	-30.275	3419.368	2667.916	5347.927	CMP	1035	1095	561	287	367	177	82	47	10	3	3	3667	
	PEAK	-24.939	3.044	2.065	0.610	FAN	0	0	0	0	0	0	0	0	0	0	3667	3667	
	MON/DAY	2/19	2/19	2/19	12/31														

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-P LOAD, ENERGY AND PART LOAD COOLING IN SYSTEM-2

WEATHER FILE- SEATTLE SEATTLE-T WA

UNIT TYPE is PSZ COOLING-CAPACITY = 49.993 (KBTU/HR) COOLING-EIR = 0.227 (BTU/BTU) SUPPLY-FLOW = 1520. (CFM)

MONTH	UNIT LOAD		ENERGY USE	COMPRESSOR	FAN ENERGY	Number of hours within each PART LOAD range												TOTAL
	SUM	(MBTU)	(KWH)	(KWH)	(KWH)													RUN
	PEAK	(KBTU/HR)	(KW)	(KW)	(KW)	00	10	20	30	40	50	60	70	80	90	100	+	HOURS
JAN	SUM	0.000	0.000	0.000	454.209	CMP	0	0	0	0	0	0	0	0	0	0	0	0
	PEAK	0.000	0.000	0.000	0.610	FAN	0	0	0	0	0	0	0	0	0	0	0	0
	DAY/HR	31/24	31/24	0/ 0	31/24													
FEB	SUM	0.001	0.047	0.047	410.252	CMP	1	0	7	0	0	0	0	0	0	0	0	8
	PEAK	0.366	0.021	0.021	0.610	FAN	0	0	0	0	0	0	0	0	0	0	7	7
	DAY/HR	27/24	27/24	27/24	28/24													
MAR	SUM	0.001	0.029	0.029	454.209	CMP	0	0	6	0	0	0	0	0	0	0	0	6
	PEAK	0.133	0.007	0.007	0.610	FAN	0	0	0	0	0	0	0	0	0	0	6	6
	DAY/HR	4/13	4/13	4/13	31/24													
APR	SUM	0.441	24.256	24.256	439.557	CMP	0	0	61	3	4	0	0	0	0	0	0	68
	PEAK	22.272	1.183	1.183	0.610	FAN	0	0	0	0	0	0	0	0	0	0	68	68
	DAY/HR	27/19	27/19	27/19	30/ 1													
MAY	SUM	1.174	63.674	63.674	454.209	CMP	0	0	98	26	1	0	0	0	0	0	0	125
	PEAK	21.447	1.139	1.139	0.610	FAN	0	0	0	0	0	0	0	0	0	0	125	125
	DAY/HR	6/24	6/24	6/24	31/ 1													
JUN	SUM	2.584	140.384	140.384	439.557	CMP	0	0	215	39	15	1	0	0	0	0	0	270
	PEAK	26.291	1.396	1.396	0.610	FAN	0	0	0	0	0	0	0	0	0	0	270	270
	DAY/HR	28/19	28/19	28/19	30/ 1													
JUL	SUM	4.983	268.387	268.387	454.209	CMP	0	0	270	75	50	24	1	0	0	0	0	420
	PEAK	30.891	1.641	1.641	0.610	FAN	0	0	0	0	0	0	0	0	0	0	420	420
	DAY/HR	24/19	24/19	24/19	31/ 1													
AUG	SUM	5.936	321.498	321.498	454.209	CMP	0	0	319	55	55	39	10	1	0	0	0	479
	PEAK	35.655	2.017	2.017	0.610	FAN	0	0	0	0	0	0	0	0	0	0	479	479
	DAY/HR	10/19	10/19	10/19	31/ 1													
SEP	SUM	2.302	124.471	124.471	439.557	CMP	0	0	164	44	18	0	0	0	0	0	0	226
	PEAK	23.938	1.271	1.271	0.610	FAN	0	0	0	0	0	0	0	0	0	0	226	226
	DAY/HR	13/24	13/24	13/24	30/ 1													
OCT	SUM	0.202	11.293	11.293	454.209	CMP	0	0	50	0	0	0	0	0	0	0	0	50
	PEAK	13.617	0.723	0.723	0.610	FAN	0	0	0	0	0	0	0	0	0	0	50	50
	DAY/HR	4/24	4/24	4/24	31/24													
NOV	SUM	0.005	0.307	0.307	439.557	CMP	0	0	5	0	0	0	0	0	0	0	0	5
	PEAK	4.870	0.274	0.274	0.610	FAN	0	0	0	0	0	0	0	0	0	0	5	5
	DAY/HR	4/24	4/24	4/24	30/24													
DEC	SUM	0.000	0.009	0.009	454.209	CMP	0	0	2	0	0	0	0	0	0	0	0	2
	PEAK	0.101	0.006	0.006	0.610	FAN	0	0	0	0	0	0	0	0	0	0	2	2
	DAY/HR	2/13	2/13	2/13	31/24													
YR	SUM	17.630	954.354	954.354	5347.927	CMP	1	0	1197	242	143	64	11	1	0	0	0	1659
	PEAK	35.655	2.017	2.017	0.610	FAN	0	0	0	0	0	0	0	0	0	0	1658	1658
	MON/DAY	8/10	8/10	8/10	12/31													

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-Q HEAT PUMP COOLING SUMMARY FOR SYSTEM-2

WEATHER FILE- SEATTLE SEATTLE-T WA

	UNIT RUN TIME (HOURS)	TOTAL LOAD ON UNIT (MBTU)	ENERGY IN TO UNIT (MBTU)	AUXILIARY ENERGY (MBTU)	SUP UNIT LOAD (MBTU)	SUP UNIT ENERGY (MBTU)	WASTE HEAT GENERATED (MBTU)	WASTE HEAT USE (MBTU)		INDOOR FAN ENERGY (MBTU)
JAN	0.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007
FEB	2.	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.071
MAR	2.	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.198
APR	18.	0.441	0.083	0.000	0.000	0.000	0.000	0.000	0.000	0.421
MAY	34.	1.174	0.217	0.000	0.000	0.000	0.000	0.000	0.000	0.616
JUN	75.	2.584	0.479	0.000	0.000	0.000	0.000	0.000	0.000	0.737
JUL	130.	4.983	0.916	0.000	0.000	0.000	0.000	0.000	0.000	0.866
AUG	153.	5.936	1.097	0.000	0.000	0.000	0.000	0.000	0.000	0.910
SEP	64.	2.302	0.425	0.000	0.000	0.000	0.000	0.000	0.000	0.699
OCT	13.	0.202	0.039	0.000	0.000	0.000	0.000	0.000	0.000	0.390
NOV	1.	0.005	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.099
DEC	0.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.011
0ANNUAL	492.	17.630	3.257	0.000	0.000	0.000	0.000	0.000	0.000	5.026

0CSPF (WITH PARASITICS) = 2.13 (KBTU/HR)
 0CSPF (WITHOUT PARASITICS) = 5.41 (BTU/BTU)

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-Q HEAT PUMP HEATING SUMMARY FOR SYSTEM-2

WEATHER FILE- SEATTLE SEATTLE-T WA

	UNIT RUN TIME (HOURS)	TOTAL LOAD ON UNIT (MBTU)	ENERGY IN TO UNIT (MBTU)	AUXILIARY ENERGY (MBTU)	SUP UNIT LOAD (MBTU)	SUP UNIT ENERGY (MBTU)	WASTE HEAT GENERATED (MBTU)	WASTE HEAT USE (MBTU)	DEFROST LOAD (MBTU)	INDOOR FAN ENERGY (MBTU)
JAN	228.	-8.035	2.994	0.000	0.000	0.000	0.000	0.000	0.000	1.101
FEB	155.	-5.401	2.236	0.000	-0.002	0.002	0.000	0.000	0.000	0.929
MAR	71.	-2.978	1.172	0.000	0.000	0.000	0.000	0.000	0.000	0.910
APR	27.	-1.109	0.471	0.000	0.000	0.000	0.000	0.000	0.000	0.651
MAY	2.	-0.109	0.059	0.000	0.000	0.000	0.000	0.000	0.000	0.492
JUN	0.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.335
JUL	0.	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.242
AUG	0.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.197
SEP	0.	-0.011	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.373
OCT	20.	-1.046	0.411	0.000	0.000	0.000	0.000	0.000	0.000	0.718
NOV	109.	-4.403	1.623	0.000	0.000	0.000	0.000	0.000	0.000	0.973
DEC	200.	-7.181	2.694	0.000	0.000	0.000	0.000	0.000	0.000	1.097
0ANNUAL	813.	-30.274	11.669	0.000	-0.002	0.002	0.000	0.000	0.000	8.017

0HSPF (WITH PARASITICS) = 1.95 (KBTU/HR)

0HSPF (WITHOUT PARASITICS) = 2.59 (BTU/BTU)

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-G ZONE LOADS SUMMARY IN SYSTEM-2 FOR 2-Gathering

WEATHER FILE- SEATTLE SEATTLE-T WA

- - - - - C O O L I N G - - - - -					- - - - - H E A T I N G - - - - -					- - - E L E C - - -		
MONTH	COOLING ENERGY (MBTU)	TIME OF MAX DY HR	DRY- BULB TEMP	WET- BULB TEMP	MAXIMUM COOLING LOAD (KBTU/HR)	HEATING ENERGY (MBTU)	TIME OF MAX DY HR	DRY- BULB TEMP	WET- BULB TEMP	MAXIMUM HEATING LOAD (KBTU/HR)	ELEC- TRICAL ENERGY (KWH)	MAXIMUM ELEC LOAD (KW)
JAN	0.00000				0.000	0.000				0.000	1188.	3.398
FEB	0.00000				0.000	0.000				0.000	1073.	3.398
MAR	0.00000				0.000	0.000				0.000	1188.	3.398
APR	0.00000				0.000	0.000				0.000	1150.	3.398
MAY	0.00000				0.000	0.000				0.000	1188.	3.398
JUN	0.00000				0.000	0.000				0.000	1150.	3.398
JUL	0.00000				0.000	0.000				0.000	1188.	3.398
AUG	0.00000				0.000	0.000				0.000	1188.	3.398
SEP	0.00000				0.000	0.000				0.000	1150.	3.398
OCT	0.00000				0.000	0.000				0.000	1188.	3.398
NOV	0.00000				0.000	0.000				0.000	1150.	3.398
DEC	0.00000				0.000	0.000				0.000	1188.	3.398
TOTAL	0.000					0.000					13987.	
MAX					0.000					0.000		3.398

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-F ZONE DEMAND SUMMARY IN SYSTEM-2 FOR 2-Gathering

WEATHER FILE- SEATTLE SEATTLE-T WA

- - - D E M A N D S - - - - - B A S E B O A R D S - - - - - T E M P E R A T U R E S - - - - L O A D S N O T M E T - -

MONTH	HEAT EXTRACTION ENERGY (MBTU)	HEAT ADDITION ENERGY (MBTU)	BASEBOARD ENERGY (MBTU)	MAXIMUM BASEBOARD LOAD (KBTU/HR)	MAXIMUM ZONE TEMP (F)	MINIMUM ZONE TEMP (F)	HOURS UNDER HEATED	HOURS UNDER COOLED
JAN	1.57754	-0.197	0.00000	0.000	71.7	70.5	0	0
FEB	2.44162	-0.092	0.00000	0.000	75.1	70.4	0	0
MAR	4.21390	-0.001	0.00000	0.000	75.7	70.6	0	0
APR	5.27478	-0.004	0.00000	0.000	79.4	70.6	0	0
MAY	6.41020	0.000	0.00000	0.000	79.4	70.8	0	0
JUN	6.78358	0.000	0.00000	0.000	79.5	72.1	0	0
JUL	7.95078	0.000	0.00000	0.000	79.7	74.8	0	0
AUG	7.96711	0.000	0.00000	0.000	79.8	74.9	0	0
SEP	6.46137	0.000	0.00000	0.000	79.5	70.9	0	0
OCT	4.92168	0.000	0.00000	0.000	79.1	70.7	0	0
NOV	2.69804	-0.018	0.00000	0.000	76.0	70.5	0	0
DEC	1.81601	-0.147	0.00000	0.000	71.5	70.5	0	0

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-0 TEMPERATURE SCATTER PLOT SYSTEM-2

FOR 2-Gathering

WEATHER FILE- SEATTLE SEATTLE-T WA

TOTAL HOURS AT TEMPERATURE LEVEL AND TIME OF DAY

HOUR	1AM	2	3	4	5	6	7	8	9	10	11	12	1PM	2	3	4	5	6	7	8	9	10	11	12	TOTAL
ABOVE 85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80-85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75-80	125	119	110	103	103	109	114	115	117	123	130	134	142	146	150	152	155	160	163	163	157	151	84	126	3151
70-75	240	246	255	262	262	256	251	250	248	242	235	231	223	219	215	213	210	205	202	202	208	214	281	239	5609
65-70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60-65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BELOW 60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	=====

*
* NOTE 1)THE TEMPERATURE COUNTS ARE MADE ONLY FOR
* THE HOURS WHEN THE FANS ARE ON
*

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-A SYSTEM MONTHLY LOADS SUMMARY FOR

SYSTEM-3

WEATHER FILE- SEATTLE SEATTLE-T WA

	- - - - - C O O L I N G - - - - -						- - - - - H E A T I N G - - - - -						- - - E L E C - - -	
MONTH	COOLING ENERGY (MBTU)	TIME OF MAX DY HR	DRY- BULB TEMP	WET- BULB TEMP	MAXIMUM COOLING LOAD (KBTU/HR)	HEATING ENERGY (MBTU)	TIME OF MAX DY HR	DRY- BULB TEMP	WET- BULB TEMP	MAXIMUM HEATING LOAD (KBTU/HR)	ELEC- TRICAL ENERGY (KWH)	MAXIMUM ELEC LOAD (KW)		
JAN	0.00023	11 19	54.F	49.F	0.087	-0.990	15 5	27.F	25.F	-2.692	346.	0.724		
FEB	0.00028	1 15	54.F	47.F	0.077	-0.679	19 5	22.F	21.F	-2.964	299.	0.728		
MAR	0.00066	14 12	56.F	50.F	0.093	-0.353	25 5	36.F	28.F	-1.776	279.	0.675		
APR	0.07414	27 19	79.F	61.F	3.115	-0.102	19 5	36.F	35.F	-1.593	246.	0.607		
MAY	0.25994	7 19	70.F	61.F	3.123	-0.003	18 9	43.F	42.F	-0.451	247.	0.600		
JUN	0.49452	28 19	78.F	62.F	3.949	0.000				0.000	249.	0.636		
JUL	0.80871	24 19	84.F	65.F	4.185	0.000				0.000	269.	0.645		
AUG	0.79175	10 19	87.F	67.F	4.603	0.000				0.000	269.	0.681		
SEP	0.28835	14 18	77.F	62.F	2.812	-0.001	28 8	48.F	46.F	-0.269	241.	0.589		
OCT	0.01521	4 24	57.F	50.F	1.354	-0.151	29 5	44.F	43.F	-1.113	254.	0.550		
NOV	0.00054	4 24	56.F	55.F	0.164	-0.554	11 8	32.F	32.F	-1.947	289.	0.695		
DEC	0.00000				0.000	-0.912	26 4	30.F	30.F	-2.372	337.	0.726		
TOTAL	2.734					-3.745					3324.			
MAX					4.603					-2.964		0.728		

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-B SYSTEM MONTHLY LOADS SUMMARY FOR

SYSTEM-3

WEATHER FILE- SEATTLE SEATTLE-T WA

	- Z O N E C O O L I N G -	- Z O N E H E A T I N G -	- B A S E B O A R D S -	- P R E H E A T O R F U R N F A N E L E C -				
	COOLING BY ZONE COILS OR NAT VENTIL (MBTU)	MAXIMUM COOLING BY ZONE COILS OR NAT VENTIL (KBTU/HR)	HEATING BY ZONE COILS OR FURNACE (MBTU)	MAXIMUM HEATING BY ZONE COILS OR FURNACE (KBTU/HR)	BASEBOARD HEATING ENERGY (MBTU)	MAXIMUM BASEBOARD HEATING ENERGY (KBTU/HR)	PREHEAT COIL ENERGY OR ELEC FOR FURN FAN (MBTU)	MAXIMUM PREHEAT COIL ENERGY OR ELEC FOR FURN FAN (KBTU/HR)
MONTH								
JAN	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
FEB	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
MAR	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
APR	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
MAY	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
JUN	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
JUL	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
AUG	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
SEP	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
OCT	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
NOV	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
DEC	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0TOTAL	0.000		0.000		0.000		0.000	
0MAX		0.000		0.000		0.000		0.000

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-C SYSTEM MONTHLY LOAD HOURS FOR

SYSTEM-3

WEATHER FILE- SEATTLE SEATTLE-T WA

--COINCIDENT LOADS--												
	N U M B E R O F H O U R S											
MONTH	HOURS COOLING LOAD	HOURS HEATING LOAD	HOURS COINCIDENT COOL-HEAT LOAD	HOURS FLOATING	HOURS HEATING AVAIL.	HOURS COOLING AVAIL.	HOURS FANS ON	HOURS FANS CYCLE ON	HOURS NIGHT VENTING	HOURS FLOATING WHEN FANS ON	HEATING LOAD AT COOLING PEAK (KBTU/HR)	ELECTRIC LOAD AT COOLING PEAK (KW)
JAN	4	736	0	4	744	744	744	0	0	4	0.000	0.407
FEB	7	584	0	81	672	672	672	0	0	81	0.000	0.287
MAR	16	476	0	252	744	744	744	0	0	252	0.000	0.293
APR	81	173	0	466	720	720	720	0	0	466	0.000	0.524
MAY	185	9	0	550	744	744	744	0	0	550	0.000	0.524
JUN	313	0	0	407	720	720	720	0	0	407	0.000	0.556
JUL	447	0	0	297	744	744	744	0	0	297	0.000	0.580
AUG	450	0	0	294	744	744	744	0	0	294	0.000	0.630
SEP	204	8	0	508	720	720	720	0	0	508	0.000	0.398
OCT	39	302	0	403	744	744	744	0	0	403	0.000	0.488
NOV	8	614	0	98	720	720	720	0	0	98	0.000	0.439
DEC	0	744	0	0	744	744	744	0	0	0	-0.711	0.495
ANNUAL	1754	3646	0	3360	8760	8760	8760	0	0	3360		

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-H SYSTEM MONTHLY LOADS SUMMARY FOR

SYSTEM-3

WEATHER FILE- SEATTLE SEATTLE-T WA

MONTH	- - F A N E L E C - - -		- - F U E L H E A T - -		- - F U E L C O O L - -		- E L E C H E A T - -		- E L E C C O O L - -	
	FAN ENERGY (KWH)	MAXIMUM FAN LOAD (KW)	GAS OIL ENERGY (MBTU)	MAXIMUM GAS OIL LOAD (KBTU/HR)	GAS OIL ENERGY (MBTU)	MAXIMUM GAS OIL LOAD (KBTU/HR)	ELECTRIC ENERGY (KWH)	MAXIMUM ELECTRIC LOAD (KW)	ELECTRIC ENERGY (KWH)	MAXIMUM ELECTRIC LOAD (KW)
JAN	130.	0.174	0.000	0.000	0.000	0.000	110.	0.288	0.	0.004
FEB	117.	0.174	0.000	0.000	0.000	0.000	85.	0.312	0.	0.003
MAR	130.	0.174	0.000	0.000	0.000	0.000	42.	0.237	0.	0.004
APR	126.	0.174	0.000	0.000	0.000	0.000	14.	0.227	3.	0.121
MAY	130.	0.174	0.000	0.000	0.000	0.000	0.	0.053	10.	0.121
JUN	126.	0.174	0.000	0.000	0.000	0.000	0.	0.000	20.	0.153
JUL	130.	0.174	0.000	0.000	0.000	0.000	0.	0.000	32.	0.177
AUG	130.	0.174	0.000	0.000	0.000	0.000	0.	0.000	32.	0.227
SEP	126.	0.174	0.000	0.000	0.000	0.000	0.	0.045	12.	0.109
OCT	130.	0.174	0.000	0.000	0.000	0.000	16.	0.079	1.	0.056
NOV	126.	0.174	0.000	0.000	0.000	0.000	60.	0.250	0.	0.007
DEC	130.	0.174	0.000	0.000	0.000	0.000	100.	0.276	0.	0.000
0TOTAL	1527.		0.000		0.000		428.		110.	
0MAX		0.174		0.000		0.000		0.312		0.227

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-I SYSTEM MONTHLY SENSIBLE LATENT SUMMARY FOR SYSTEM-3

WEATHER FILE- SEATTLE SEATTLE-T WA

MONTH	SENSIBLE COOLING ENERGY (MBTU)	LATENT COOLING ENERGY (MBTU)	MAX TOTAL COOLING ENERGY (KBTU/HR)	SENSIBLE HEAT RATIO AT MAX	TIME OF MAX DY HR	SENSIBLE HEATING ENERGY (MBTU)	LATENT HEATING ENERGY (MBTU)	MAX TOTAL HEATING ENERGY (KBTU/HR)
JAN	0.00020	0.00004	0.087	0.763	11 19	-0.99026	0.00000	-2.692
FEB	0.00022	0.00006	0.077	1.000	1 15	-0.67890	0.00000	-2.964
MAR	0.00061	0.00005	0.093	0.996	14 12	-0.35315	0.00000	-1.776
APR	0.06880	0.00534	3.115	0.937	27 19	-0.10175	0.00000	-1.593
MAY	0.23916	0.02079	3.123	0.865	7 19	-0.00303	0.00000	-0.451
JUN	0.45605	0.03847	3.949	0.928	28 19	0.00000	0.00000	0.000
JUL	0.72794	0.08076	4.185	0.922	24 19	0.00000	0.00000	0.000
AUG	0.69233	0.09942	4.603	0.913	10 19	0.00000	0.00000	0.000
SEP	0.24755	0.04080	2.812	0.917	14 18	-0.00142	0.00000	-0.269
OCT	0.01360	0.00161	1.354	0.929	4 24	-0.15131	0.00000	-1.113
NOV	0.00035	0.00019	0.164	0.607	4 24	-0.55369	0.00000	-1.947
DEC	0.00000	0.00000	0.000			-0.91162	0.00000	-2.37158
TOTAL	2.447	0.288				-3.745	0.000	
MAX			4.603	0.913				-2.964

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-J SYSTEM PEAK HEATING AND COOLING DAYS FOR

SYSTEM-3

WEATHER FILE- SEATTLE SEATTLE-T WA

- - - - C O O L I N G - - - -					- - - H E A T I N G - - -			D A Y C O O L I N G P E A K			
AUG 10					FEB 19			AUG 10			
HOURLY COOLING LOAD (KBTU)	SENSIBLE HEAT RATIO	DRY- BULB TEMP	WET- BULB TEMP		HOURLY HEATING LOAD (KBTU)	DRY- BULB TEMP	WET- BULB TEMP	HOURLY COOLING LOAD (KBTU)	SENSIBLE HEAT RATIO	DRY- BULB TEMP	WET- BULB TEMP
1	1.323	0.793	66.F	59.F	-2.547	25.F	24.F	1.323	0.793	66.F	59.F
2	0.994	0.740	62.F	57.F	-2.678	24.F	23.F	0.994	0.740	62.F	57.F
3	0.995	0.720	65.F	59.F	-2.671	26.F	24.F	0.995	0.720	65.F	59.F
4	0.792	0.708	64.F	58.F	-2.864	23.F	22.F	0.792	0.708	64.F	58.F
5	0.792	0.699	63.F	58.F	-2.964	22.F	21.F	0.792	0.699	63.F	58.F
6	1.010	0.698	63.F	59.F	-2.889	22.F	21.F	1.010	0.698	63.F	59.F
7	1.179	0.731	67.F	61.F	-2.744	23.F	22.F	1.179	0.731	67.F	61.F
8	1.305	0.775	70.F	62.F	-2.779	23.F	21.F	1.305	0.775	70.F	62.F
9	0.000	0.000	73.F	63.F	-2.676	26.F	24.F	0.000	0.000	73.F	63.F
10	0.817	0.790	74.F	63.F	-2.514	28.F	25.F	0.817	0.790	74.F	63.F
11	1.203	0.802	76.F	64.F	-2.417	29.F	25.F	1.203	0.802	76.F	64.F
12	1.529	0.839	79.F	65.F	-2.131	32.F	28.F	1.529	0.839	79.F	65.F
13	1.863	0.851	81.F	66.F	-1.863	35.F	29.F	1.863	0.851	81.F	66.F
14	2.298	0.886	85.F	67.F	-1.598	36.F	29.F	2.298	0.886	85.F	67.F
15	3.411	0.947	86.F	66.F	-1.347	36.F	29.F	3.411	0.947	86.F	66.F
16	3.744	0.953	88.F	66.F	-1.157	37.F	30.F	3.744	0.953	88.F	66.F
17	4.093	0.953	89.F	66.F	-1.241	35.F	29.F	4.093	0.953	89.F	66.F
18	4.603	0.913	87.F	67.F	-1.506	32.F	28.F	4.603	0.913	87.F	67.F
19	4.551	0.937	86.F	65.F	-1.450	30.F	26.F	4.551	0.937	86.F	65.F
20	4.075	0.892	78.F	64.F	-1.439	30.F	26.F	4.075	0.892	78.F	64.F
21	3.400	0.873	73.F	62.F	-1.487	29.F	25.F	3.400	0.873	73.F	62.F
22	2.822	0.895	73.F	60.F	-1.594	29.F	26.F	2.822	0.895	73.F	60.F
23	3.704	0.864	65.F	60.F	-1.755	30.F	26.F	3.704	0.864	65.F	60.F
24	0.000	0.000	62.F	58.F	-1.800	29.F	25.F	0.000	0.000	62.F	58.F
-----					-----			-----			
SUM								50.502			
MAX	4.603				-2.964						

SYSTEM-TYPE	PSZ	SQFT/TON	560.5
COOLING PEAK	21.41 (BTU/HR- SQFT)	HEATING PEAK	-13.79 (BTU/HR- SQFT)
SUPPLY AIR PEAK FLOW	2.00 (CFM/SQFT)	MIN-OA/PERSON	12.49 (CFM)
OA FRAC AT CLG PEAK	0.058	OA FRAC AT HTG PEAK	0.058

* ASTERISKS INDICATE HOURS LOADS NOT MET

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-K SPACE TEMPERATURE SUMMARY

SYSTEM-3

WEATHER FILE- SEATTLE SEATTLE-T WA

MONTH	A V E R A G E S P A C E T E M P					AVERAGE TEMPERATURE DIFFERENCE			SUMMED TEMP DIFFERENCE		HUMIDITY RATIO DIFFERENCE BETWEEN OUTDOOR AND ROOM AIR (FRAC.OR MULT.)
	ALL HOURS (F)	COOLING HOURS (F)	HEATING HOURS (F)	FAN ON HOURS (F)	FAN OFF HOURS (F)	BETWEEN OUTDOOR& ROOM AIR ALL HOURS (F)	BETWEEN OUTDOOR& ROOM AIR FAN ON HOURS (F)	BETWEEN OUTDOOR& ROOM AIR FAN OFF HOURS (F)	BETWEEN OUTDOOR& ROOM AIR HEATING HOURS (F)	BETWEEN OUTDOOR& ROOM AIR ALL HOURS (F)	
JAN	70.85	71.00	70.84	70.85	0.00	-30.76	-30.76	0.00	947.95	953.48	-0.00231
FEB	71.00	70.99	70.87	71.00	0.00	-28.52	-28.52	0.00	733.97	798.65	-0.00234
MAR	71.30	71.00	70.90	71.30	0.00	-24.32	-24.32	0.00	525.45	753.90	-0.00233
APR	73.03	75.32	70.93	73.03	0.00	-21.49	-21.49	0.00	191.89	646.51	-0.00226
MAY	75.24	76.94	70.94	75.24	0.00	-19.89	-19.89	0.00	10.23	616.48	-0.00211
JUN	76.71	77.21		76.71	0.00	-16.66	-16.66	0.00		500.07	-0.00189
JUL	77.31	77.43		77.31	0.00	-13.51	-13.51	0.00		428.49	-0.00141
AUG	77.19	77.39		77.19	0.00	-11.35	-11.35	0.00		377.64	-0.00121
SEP	75.62	76.83	70.97	75.62	0.00	-16.47	-16.47	0.00	7.78	493.97	-0.00186
OCT	72.26	74.08	70.92	72.26	0.00	-19.70	-19.70	0.00	277.79	610.74	-0.00232
NOV	71.06	71.37	70.88	71.06	0.00	-24.55	-24.55	0.00	664.83	736.35	-0.00234
DEC	70.85		70.85	70.85	0.00	-29.10	-29.10	0.00	902.19	902.19	-0.00231
ANNUAL	73.55	76.96	70.87	73.55	0.00	-21.32	-21.32	0.00	4262.07	7818.46	-0.00205

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-L FAN ELECTRIC ENERGY

SYSTEM-3

WEATHER FILE- SEATTLE SEATTLE-T WA

MONTH	FAN ELEC DURING HEATING (KWH)	FAN ELEC DURING COOLING (KWH)	FAN ELEC DURING HEAT & COOL (KWH)	FAN ELEC DURING FLOATING (KWH)	----- Number of hours within each PART LOAD range -----										----- TOTAL	
					00	10	20	30	40	50	60	70	80	90	100	100
					10	20	30	40	50	60	70	80	90	100	+	HOURS
JAN	128.293	0.697	0.000	0.697	0	0	0	0	0	0	0	0	0	0	744	744
FEB	101.798	1.220	0.000	14.119	0	0	0	0	0	0	0	0	0	0	672	672
MAR	82.972	2.789	0.000	43.927	0	0	0	0	0	0	0	0	0	0	744	744
APR	30.156	14.119	0.000	81.229	0	0	0	0	0	0	0	0	0	0	720	720
MAY	1.569	32.248	0.000	95.871	0	0	0	0	0	0	0	0	0	0	744	744
JUN	0.000	54.560	0.000	70.945	0	0	0	0	0	0	0	0	0	0	720	720
JUL	0.000	77.917	0.000	51.771	0	0	0	0	0	0	0	0	0	0	744	744
AUG	0.000	78.440	0.000	51.248	0	0	0	0	0	0	0	0	0	0	744	744
SEP	1.394	35.560	0.000	88.550	0	0	0	0	0	0	0	0	0	0	720	720
OCT	52.642	6.798	0.000	70.248	0	0	0	0	0	0	0	0	0	0	744	744
NOV	107.027	1.394	0.000	17.083	0	0	0	0	0	0	0	0	0	0	720	720
DEC	129.687	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	744	744
ANNUAL	635.553	305.747	0.000	585.699	0	0	0	0	0	0	0	0	0	0	8760	8760

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-N RELATIVE HUMIDITY SCATTER PLOT FOR

SYSTEM-3

WEATHER FILE- SEATTLE SEATTLE-T WA

TOTAL HOURS AT RELATIVE HUMIDITY LEVEL AND TIME OF DAY

HOUR	1AM	2	3	4	5	6	7	8	9	10	11	12	1PM	2	3	4	5	6	7	8	9	10	11	12	TOTAL
90-100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70-79	2	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	1	16
60-69	41	41	44	45	46	45	30	10	3	3	2	2	4	4	4	1	3	12	18	22	17	23	19	62	501
50-59	157	161	168	183	190	186	153	83	72	65	61	51	39	29	17	22	25	51	83	89	98	91	77	153	2304
40-49	137	133	124	107	104	108	153	202	163	165	169	159	163	166	175	161	193	219	228	214	216	215	241	122	4037
30-39	26	26	25	27	24	25	28	64	99	100	98	122	126	133	133	144	113	65	33	36	29	31	23	25	1555
20-29	2	2	2	2	1	1	1	6	26	27	31	27	28	28	30	31	25	17	2	3	3	3	3	2	303
10-19	0	0	0	0	0	0	0	0	2	5	4	4	5	5	6	6	6	1	0	0	0	0	0	0	44
0-09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	=====

*
* NOTE 1)THE RELATIVE HUMIDITY COUNTS ARE MADE ONLY FOR *
* THE HOURS WHEN THE FANS ARE ON *
*

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-P LOAD, ENERGY AND PART LOAD HEATING IN SYSTEM-3

WEATHER FILE- SEATTLE SEATTLE-T WA

UNIT TYPE is PSZ HEATING-CAPACITY = -9.630 (KBTU/HR) HEATING-EIR = 0.144 (BTU/BTU) SUPPLY-FLOW = 431. (CFM)

MONTH	UNIT LOAD SUM (MBTU) PEAK (KBTU/HR)	ENERGY USE (KWH) (KW)	COMPRESSOR (KWH) (KW)	FAN ENERGY (KWH) (KW)	----- Number of hours within each PART LOAD range -----											TOTAL RUN HOURS
					00 10	10 20	20 30	30 40	40 50	50 60	60 70	70 80	80 90	90 100	100 +	
JAN	SUM -0.990 PEAK -2.692 DAY/HR 15/ 5	109.719 0.288 7/ 9	69.855 0.173 7/ 9	129.687 0.174 31/24	CMP 153 FAN 0	272 0	148 0	84 0	57 0	22 0	0 0	0 0	0 0	0 0	0 736	736
FEB	SUM -0.679 PEAK -2.964 DAY/HR 19/ 5	85.427 0.312 19/ 5	50.401 0.197 19/ 5	117.137 0.174 28/24	CMP 198 FAN 0	155 0	118 0	88 0	16 0	4 0	5 0	0 0	0 0	0 0	0 584	584
MAR	SUM -0.353 PEAK -1.776 DAY/HR 25/ 5	42.255 0.237 5/ 5	31.195 0.122 5/ 5	129.687 0.174 31/24	CMP 293 FAN 0	122 0	52 0	9 0	0 0	0 0	0 0	0 0	0 0	0 0	0 476	476
APR	SUM -0.102 PEAK -1.593 DAY/HR 19/ 5	14.041 0.227 19/ 6	10.239 0.111 19/ 6	125.504 0.174 30/ 1	CMP 128 FAN 0	26 0	19 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 173	173
MAY	SUM -0.003 PEAK -0.451 DAY/HR 18/ 9	0.432 0.053 18/ 6	0.432 0.053 18/ 6	129.687 0.174 31/ 1	CMP 9 FAN 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 9	9
JUN	SUM 0.000 PEAK 0.000 DAY/HR 30/ 1	0.000 0.000 30/ 1	0.000 0.000 0/ 0	125.504 0.174 30/ 1	CMP 0 FAN 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0
JUL	SUM 0.000 PEAK 0.000 DAY/HR 31/ 1	0.000 0.000 31/ 1	0.000 0.000 0/ 0	129.687 0.174 31/ 1	CMP 0 FAN 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0
AUG	SUM 0.000 PEAK 0.000 DAY/HR 31/ 1	0.000 0.000 31/ 1	0.000 0.000 0/ 0	129.687 0.174 31/ 1	CMP 0 FAN 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0
SEP	SUM -0.001 PEAK -0.269 DAY/HR 28/ 8	0.333 0.045 28/ 8	0.333 0.045 28/ 8	125.504 0.174 30/ 1	CMP 8 FAN 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 8	8
OCT	SUM -0.151 PEAK -1.113 DAY/HR 29/ 5	16.414 0.079 29/ 5	16.414 0.079 29/ 5	129.687 0.174 31/24	CMP 275 FAN 0	27 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 302	302
NOV	SUM -0.554 PEAK -1.947 DAY/HR 11/ 8	59.802 0.250 11/ 5	44.824 0.135 11/ 5	125.504 0.174 30/24	CMP 305 FAN 0	211 0	60 0	38 0	0 0	0 0	0 0	0 0	0 0	0 0	0 614	614
DEC	SUM -0.912 PEAK -2.372 DAY/HR 26/ 4	100.073 0.276 26/ 4	66.200 0.160 26/ 4	129.687 0.174 31/24	CMP 190 FAN 0	287 0	123 0	112 0	32 0	0 0	0 0	0 0	0 0	0 0	0 744	744
YR	SUM -3.745 PEAK -2.964 MON/DAY 2/19	428.493 0.312 2/19	289.891 0.197 2/19	1527.007 0.174 12/31	CMP1559 FAN 0	1100 0	520 0	331 0	105 0	26 0	5 0	0 0	0 0	0 0	0 3646	3646

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-P LOAD, ENERGY AND PART LOAD COOLING IN SYSTEM-3

WEATHER FILE- SEATTLE SEATTLE-T WA

UNIT TYPE is PSZ COOLING-CAPACITY = 9.270 (KBTU/HR) COOLING-EIR = 0.227 (BTU/BTU) SUPPLY-FLOW = 431. (CFM)

MONTH	UNIT LOAD		ENERGY USE (KWH) (KW)	COMPRESSOR (KWH) (KW)	FAN ENERGY (KWH) (KW)	Number of hours within each PART LOAD range											TOTAL RUN HOURS
	SUM (MBTU)	PEAK (KBTU/HR)				00	10	20	30	40	50	60	70	80	90	100	
						10	20	30	40	50	60	70	80	90	100	+	
JAN	SUM	0.000	0.010	0.010	129.687	CMP	0	0	4	0	0	0	0	0	0	0	4
	PEAK	0.087	0.004	0.004	0.174	FAN	0	0	0	0	0	0	0	0	0	4	4
	DAY/HR	11/19	11/19	11/19	31/24												
FEB	SUM	0.000	0.012	0.012	117.137	CMP	1	0	7	0	0	0	0	0	0	0	8
	PEAK	0.077	0.003	0.003	0.174	FAN	0	0	0	0	0	0	0	0	0	7	7
	DAY/HR	1/15	1/15	1/15	28/24												
MAR	SUM	0.001	0.027	0.027	129.687	CMP	1	0	16	0	0	0	0	0	0	0	17
	PEAK	0.093	0.004	0.004	0.174	FAN	0	0	0	0	0	0	0	0	0	16	16
	DAY/HR	14/12	14/12	14/12	31/24												
APR	SUM	0.074	3.001	3.001	125.504	CMP	0	0	78	3	0	0	0	0	0	0	81
	PEAK	3.115	0.121	0.121	0.174	FAN	0	0	0	0	0	0	0	0	0	81	81
	DAY/HR	27/19	27/19	27/19	30/ 1												
MAY	SUM	0.260	10.443	10.443	129.687	CMP	0	0	179	6	0	0	0	0	0	0	185
	PEAK	3.123	0.121	0.121	0.174	FAN	0	0	0	0	0	0	0	0	0	185	185
	DAY/HR	7/19	7/19	7/19	31/ 1												
JUN	SUM	0.495	19.787	19.787	125.504	CMP	0	0	286	25	2	0	0	0	0	0	313
	PEAK	3.949	0.153	0.153	0.174	FAN	0	0	0	0	0	0	0	0	0	313	313
	DAY/HR	28/19	28/19	28/19	30/ 1												
JUL	SUM	0.809	32.112	32.112	129.687	CMP	0	0	356	80	11	0	0	0	0	0	447
	PEAK	4.185	0.177	0.177	0.174	FAN	0	0	0	0	0	0	0	0	0	447	447
	DAY/HR	24/19	24/19	24/19	31/ 1												
AUG	SUM	0.792	32.145	32.145	129.687	CMP	0	0	364	68	17	1	0	0	0	0	450
	PEAK	4.603	0.227	0.227	0.174	FAN	0	0	0	0	0	0	0	0	0	450	450
	DAY/HR	10/19	10/19	10/19	31/ 1												
SEP	SUM	0.288	11.645	11.645	125.504	CMP	0	0	203	1	0	0	0	0	0	0	204
	PEAK	2.812	0.109	0.109	0.174	FAN	0	0	0	0	0	0	0	0	0	204	204
	DAY/HR	14/18	14/18	14/18	30/ 1												
OCT	SUM	0.015	0.625	0.625	129.687	CMP	0	0	39	0	0	0	0	0	0	0	39
	PEAK	1.354	0.056	0.056	0.174	FAN	0	0	0	0	0	0	0	0	0	39	39
	DAY/HR	4/24	4/24	4/24	31/24												
NOV	SUM	0.001	0.022	0.022	125.504	CMP	0	0	8	0	0	0	0	0	0	0	8
	PEAK	0.164	0.007	0.007	0.174	FAN	0	0	0	0	0	0	0	0	0	8	8
	DAY/HR	4/24	4/24	4/24	30/24												
DEC	SUM	0.000	0.000	0.000	129.687	CMP	0	0	0	0	0	0	0	0	0	0	0
	PEAK	0.000	0.000	0.000	0.174	FAN	0	0	0	0	0	0	0	0	0	0	0
	DAY/HR	31/24	31/24	0/ 0	31/24												
YR	SUM	2.734	109.829	109.829	1527.007	CMP	2	0	1540	183	30	1	0	0	0	0	1756
	PEAK	4.603	0.227	0.227	0.174	FAN	0	0	0	0	0	0	0	0	0	1754	1754
	MON/DAY	8/10	8/10	8/10	12/31												

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-Q HEAT PUMP COOLING SUMMARY FOR SYSTEM-3

WEATHER FILE- SEATTLE SEATTLE-T WA

	UNIT RUN TIME (HOURS)	TOTAL LOAD ON UNIT (MBTU)	ENERGY IN TO UNIT (MBTU)	AUXILIARY ENERGY (MBTU)	SUP UNIT LOAD (MBTU)	SUP UNIT ENERGY (MBTU)	WASTE HEAT GENERATED (MBTU)	WASTE HEAT USE (MBTU)		INDOOR FAN ENERGY (MBTU)
JAN	1.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002
FEB	2.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.014
MAR	4.	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.042
APR	20.	0.074	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.093
MAY	47.	0.260	0.036	0.000	0.000	0.000	0.000	0.000	0.000	0.137
JUN	82.	0.495	0.068	0.000	0.000	0.000	0.000	0.000	0.000	0.153
JUL	123.	0.809	0.110	0.000	0.000	0.000	0.000	0.000	0.000	0.177
AUG	123.	0.792	0.110	0.000	0.000	0.000	0.000	0.000	0.000	0.177
SEP	51.	0.288	0.040	0.000	0.000	0.000	0.000	0.000	0.000	0.136
OCT	10.	0.015	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.071
NOV	2.	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.017
DEC	0.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0ANNUAL	466.	2.734	0.375	0.000	0.000	0.000	0.000	0.000	0.000	1.020

0CSPF (WITH PARASITICS) = 1.96 (KBTU/HR)

0CSPF (WITHOUT PARASITICS) = 7.29 (BTU/BTU)

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-Q HEAT PUMP HEATING SUMMARY FOR SYSTEM-3

WEATHER FILE- SEATTLE SEATTLE-T WA

	UNIT RUN TIME (HOURS)	TOTAL LOAD ON UNIT (MBTU)	ENERGY IN TO UNIT (MBTU)	AUXILIARY ENERGY (MBTU)	SUP UNIT LOAD (MBTU)	SUP UNIT ENERGY (MBTU)	WASTE HEAT GENERATED (MBTU)	WASTE HEAT USE (MBTU)	DEFROST LOAD (MBTU)	INDOOR FAN ENERGY (MBTU)
JAN	152.	-0.990	0.374	0.000	0.000	0.000	0.000	0.000	0.000	0.219
FEB	105.	-0.679	0.292	0.000	0.000	0.000	0.000	0.000	0.000	0.186
MAR	46.	-0.353	0.144	0.000	0.000	0.000	0.000	0.000	0.000	0.179
APR	14.	-0.102	0.048	0.000	0.000	0.000	0.000	0.000	0.000	0.121
MAY	0.	-0.003	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.084
JUN	0.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.060
JUL	0.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.044
AUG	0.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.044
SEP	0.	-0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.078
OCT	16.	-0.151	0.056	0.000	0.000	0.000	0.000	0.000	0.000	0.150
NOV	74.	-0.554	0.204	0.000	0.000	0.000	0.000	0.000	0.000	0.197
DEC	136.	-0.912	0.342	0.000	0.000	0.000	0.000	0.000	0.000	0.221
0ANNUAL	542.	-3.745	1.462	0.000	0.000	0.000	0.000	0.000	0.000	1.583

0HSPF (WITH PARASITICS) = 1.75 (KBTU/HR)

0HSPF (WITHOUT PARASITICS) = 2.56 (BTU/BTU)

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-G ZONE LOADS SUMMARY IN SYSTEM-3 FOR 3-Leasing

WEATHER FILE- SEATTLE SEATTLE-T WA

- - - - - C O O L I N G - - - - -					- - - - - H E A T I N G - - - - -					- - - E L E C - - -		
MONTH	COOLING ENERGY (MBTU)	TIME OF MAX DY HR	DRY- BULB TEMP	WET- BULB TEMP	MAXIMUM COOLING LOAD (KBTU/HR)	HEATING ENERGY (MBTU)	TIME OF MAX DY HR	DRY- BULB TEMP	WET- BULB TEMP	MAXIMUM HEATING LOAD (KBTU/HR)	ELEC- TRICAL ENERGY (KWH)	MAXIMUM ELEC LOAD (KW)
JAN	0.00000				0.000	0.000				0.000	172.	0.413
FEB	0.00000				0.000	0.000				0.000	155.	0.413
MAR	0.00000				0.000	0.000				0.000	172.	0.413
APR	0.00000				0.000	0.000				0.000	166.	0.413
MAY	0.00000				0.000	0.000				0.000	172.	0.413
JUN	0.00000				0.000	0.000				0.000	166.	0.413
JUL	0.00000				0.000	0.000				0.000	172.	0.413
AUG	0.00000				0.000	0.000				0.000	172.	0.413
SEP	0.00000				0.000	0.000				0.000	166.	0.413
OCT	0.00000				0.000	0.000				0.000	172.	0.413
NOV	0.00000				0.000	0.000				0.000	166.	0.413
DEC	0.00000				0.000	0.000				0.000	172.	0.413
TOTAL	0.000					0.000					2023.	
MAX					0.000					0.000		0.413

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-F ZONE DEMAND SUMMARY IN SYSTEM-3 FOR 3-Leasing

WEATHER FILE- SEATTLE SEATTLE-T WA

- - - D E M A N D S - - - - - B A S E B O A R D S - - - - - T E M P E R A T U R E S - - - - L O A D S N O T M E T - -

MONTH	HEAT EXTRACTION ENERGY (MBTU)	HEAT ADDITION ENERGY (MBTU)	BASEBOARD ENERGY (MBTU)	MAXIMUM BASEBOARD LOAD (KBTU/HR)	MAXIMUM ZONE TEMP (F)	MINIMUM ZONE TEMP (F)	HOURS UNDER HEATED	HOURS UNDER COOLED
JAN	0.00173	-0.598	0.00000	0.000	71.3	70.7	0	0
FEB	0.02389	-0.386	0.00000	0.000	74.7	70.7	0	0
MAR	0.09850	-0.172	0.00000	0.000	75.7	70.8	0	0
APR	0.24697	-0.041	0.00000	0.000	79.2	70.8	0	0
MAY	0.47102	0.000	0.00000	0.000	79.3	70.9	0	0
JUN	0.62187	0.000	0.00000	0.000	79.3	73.3	0	0
JUL	0.83375	0.000	0.00000	0.000	79.5	74.5	0	0
AUG	0.75423	0.000	0.00000	0.000	79.4	74.5	0	0
SEP	0.40698	0.000	0.00000	0.000	79.2	71.0	0	0
OCT	0.13181	-0.070	0.00000	0.000	77.2	70.8	0	0
NOV	0.02560	-0.312	0.00000	0.000	75.0	70.7	0	0
DEC	0.00094	-0.551	0.00000	0.000	71.0	70.7	0	0

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-0 TEMPERATURE SCATTER PLOT SYSTEM-3

FOR 3-Leasing

WEATHER FILE- SEATTLE SEATTLE-T WA

TOTAL HOURS AT TEMPERATURE LEVEL AND TIME OF DAY

HOUR	1AM	2	3	4	5	6	7	8	9	10	11	12	1PM	2	3	4	5	6	7	8	9	10	11	12	TOTAL
ABOVE 85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80-85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75-80	124	119	115	105	103	109	108	112	115	120	128	137	145	155	161	168	167	171	171	171	167	160	2	126	3159
70-75	241	246	250	260	262	256	257	253	250	245	237	228	220	210	204	197	198	194	194	194	198	205	363	239	5601
65-70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60-65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BELOW 60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	=====

*
* NOTE 1)THE TEMPERATURE COUNTS ARE MADE ONLY FOR
* THE HOURS WHEN THE FANS ARE ON
*

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-A SYSTEM MONTHLY LOADS SUMMARY FOR

SYSTEM-4

WEATHER FILE- SEATTLE SEATTLE-T WA

- - - - - C O O L I N G - - - - -												
- - - - - H E A T I N G - - - - -												
- - - E L E C - - -												
MONTH	COOLING ENERGY (MBTU)	TIME OF MAX DY HR	DRY- BULB TEMP	WET- BULB TEMP	MAXIMUM COOLING LOAD (KBTU/HR)	HEATING ENERGY (MBTU)	TIME OF MAX DY HR	DRY- BULB TEMP	WET- BULB TEMP	MAXIMUM HEATING LOAD (KBTU/HR)	ELEC- TRICAL ENERGY (KWH)	MAXIMUM ELEC LOAD (KW)
JAN	0.00000				0.000	-4.825	15 8	25.F	23.F	-11.531	826.	1.998
FEB	0.00025	3 14	51.F	46.F	0.110	-3.385	19 6	22.F	21.F	-12.425	684.	2.292
MAR	0.00043	23 14	54.F	47.F	0.137	-2.202	1 7	31.F	29.F	-8.383	582.	1.639
APR	0.11838	27 19	79.F	61.F	8.438	-0.933	18 5	37.F	36.F	-7.715	467.	1.607
MAY	0.38666	15 18	76.F	56.F	9.241	-0.216	18 6	42.F	42.F	-4.769	426.	1.328
JUN	0.93411	28 19	78.F	62.F	11.515	-0.004	15 6	48.F	46.F	-1.079	416.	1.425
JUL	1.84837	24 24	67.F	60.F	13.447	0.000				0.000	465.	1.522
AUG	1.92966	10 19	87.F	67.F	15.188	0.000				0.000	470.	1.591
SEP	0.65410	13 24	64.F	58.F	10.060	-0.106	27 6	45.F	44.F	-4.792	414.	1.386
OCT	0.00412	4 24	57.F	50.F	3.559	-1.265	16 5	45.F	43.F	-5.867	490.	1.284
NOV	0.00007	10 15	50.F	44.F	0.073	-3.132	11 7	32.F	32.F	-8.869	640.	1.747
DEC	0.00009	5 15	50.F	45.F	0.089	-4.509	26 9	30.F	30.F	-10.518	790.	1.914
TOTAL	5.876					-20.576					6669.	
MAX					15.188					-12.425		2.292

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-B SYSTEM MONTHLY LOADS SUMMARY FOR

SYSTEM-4

WEATHER FILE- SEATTLE SEATTLE-T WA

	- Z O N E C O O L I N G -	- Z O N E H E A T I N G -	- B A S E B O A R D S -	- P R E H E A T O R F U R N F A N E L E C -				
	COOLING BY ZONE COILS OR NAT VENTIL (MBTU)	MAXIMUM COOLING BY ZONE COILS OR NAT VENTIL (KBTU/HR)	HEATING BY ZONE COILS OR FURNACE (MBTU)	MAXIMUM HEATING BY ZONE COILS OR FURNACE (KBTU/HR)	BASEBOARD HEATING ENERGY (MBTU)	MAXIMUM BASEBOARD HEATING ENERGY (KBTU/HR)	PREHEAT COIL ENERGY OR ELEC FOR FURN FAN (MBTU)	MAXIMUM PREHEAT COIL ENERGY OR ELEC FOR FURN FAN (KBTU/HR)
MONTH								
JAN	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
FEB	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
MAR	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
APR	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
MAY	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
JUN	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
JUL	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
AUG	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
SEP	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
OCT	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
NOV	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
DEC	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0TOTAL	0.000		0.000		0.000		0.000	
0MAX		0.000		0.000		0.000		0.000

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-C SYSTEM MONTHLY LOAD HOURS FOR

SYSTEM-4

WEATHER FILE- SEATTLE SEATTLE-T WA

--COINCIDENT LOADS--												
	N U M B E R O F H O U R S											
MONTH	HOURS COOLING LOAD	HOURS HEATING LOAD	HOURS COINCIDENT COOL-HEAT LOAD	HOURS FLOATING	HOURS HEATING AVAIL.	HOURS COOLING AVAIL.	HOURS FANS ON	HOURS FANS CYCLE ON	HOURS NIGHT VENTING	HOURS FLOATING WHEN FANS ON	HEATING LOAD AT COOLING PEAK (KBTU/HR)	ELECTRIC LOAD AT COOLING PEAK (KW)
JAN	0	744	0	0	744	744	744	0	0	0	-5.256	1.338
FEB	4	629	0	39	672	672	672	0	0	39	0.000	0.429
MAR	7	557	0	180	744	744	744	0	0	180	0.000	0.430
APR	42	294	0	384	720	720	720	0	0	384	0.000	1.104
MAY	93	104	0	547	744	744	744	0	0	547	0.000	0.819
JUN	203	4	0	513	720	720	720	0	0	513	0.000	1.228
JUL	306	0	0	438	744	744	744	0	0	438	0.000	1.522
AUG	329	0	0	415	744	744	744	0	0	415	0.000	1.514
SEP	136	51	0	533	720	720	720	0	0	533	0.000	1.386
OCT	7	418	0	319	744	744	744	0	0	319	0.000	1.133
NOV	1	667	0	52	720	720	720	0	0	52	0.000	0.428
DEC	1	741	0	2	744	744	744	0	0	2	0.000	0.428
ANNUAL	1129	4209	0	3422	8760	8760	8760	0	0	3422		

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-H SYSTEM MONTHLY LOADS SUMMARY FOR

SYSTEM-4

WEATHER FILE- SEATTLE SEATTLE-T WA

MONTH	- - F A N E L E C - - -		- - F U E L H E A T - -		- - F U E L C O O L - -		- E L E C H E A T - -		- E L E C C O O L - -	
	FAN ENERGY (KWH)	MAXIMUM FAN LOAD (KW)	GAS OIL ENERGY (MBTU)	MAXIMUM GAS OIL LOAD (KBTU/HR)	GAS OIL ENERGY (MBTU)	MAXIMUM GAS OIL LOAD (KBTU/HR)	ELECTRIC ENERGY (KWH)	MAXIMUM ELECTRIC LOAD (KW)	ELECTRIC ENERGY (KWH)	MAXIMUM ELECTRIC LOAD (KW)
JAN	97.	0.131	0.000	0.000	0.000	0.000	437.	1.411	0.	0.000
FEB	88.	0.131	0.000	0.000	0.000	0.000	332.	1.891	0.	0.005
MAR	97.	0.131	0.000	0.000	0.000	0.000	192.	0.875	0.	0.006
APR	94.	0.131	0.000	0.000	0.000	0.000	85.	0.838	5.	0.339
MAY	97.	0.131	0.000	0.000	0.000	0.000	21.	0.559	16.	0.371
JUN	94.	0.131	0.000	0.000	0.000	0.000	1.	0.148	38.	0.463
JUL	97.	0.131	0.000	0.000	0.000	0.000	0.	0.000	75.	0.642
AUG	97.	0.131	0.000	0.000	0.000	0.000	0.	0.000	80.	0.780
SEP	94.	0.131	0.000	0.000	0.000	0.000	10.	0.331	27.	0.404
OCT	97.	0.131	0.000	0.000	0.000	0.000	101.	0.385	0.	0.152
NOV	94.	0.131	0.000	0.000	0.000	0.000	263.	0.952	0.	0.003
DEC	97.	0.131	0.000	0.000	0.000	0.000	401.	1.119	0.	0.004
0TOTAL	1144.		0.000		0.000		1843.		241.	
0MAX		0.131		0.000		0.000		1.891		0.780

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-I SYSTEM MONTHLY SENSIBLE LATENT SUMMARY FOR SYSTEM-4

WEATHER FILE- SEATTLE SEATTLE-T WA

MONTH	SENSIBLE COOLING ENERGY (MBTU)	LATENT COOLING ENERGY (MBTU)	MAX TOTAL COOLING ENERGY (KBTU/HR)	SENSIBLE HEAT RATIO AT MAX	TIME OF MAX DY HR	SENSIBLE HEATING ENERGY (MBTU)	LATENT HEATING ENERGY (MBTU)	MAX TOTAL HEATING ENERGY (KBTU/HR)
JAN	0.00000	0.00000	0.000			-4.82483	0.00000	-11.53078
FEB	0.00024	0.00001	0.110	1.000	3 14	-3.38514	0.00000	-12.425
MAR	0.00042	0.00002	0.137	1.000	23 14	-2.20198	0.00000	-8.383
APR	0.11105	0.00732	8.438	0.951	27 19	-0.93298	0.00000	-7.715
MAY	0.36080	0.02586	9.241	1.000	15 18	-0.21598	0.00000	-4.769
JUN	0.88500	0.04911	11.515	0.948	28 19	-0.00350	0.00000	-1.079
JUL	1.71169	0.13668	13.447	0.926	24 24	0.00000	0.00000	0.000
AUG	1.76130	0.16836	15.188	0.940	10 19	0.00000	0.00000	0.000
SEP	0.58994	0.06416	10.060	0.914	13 24	-0.10575	0.00000	-4.792
OCT	0.00398	0.00014	3.559	0.961	4 24	-1.26486	0.00000	-5.867
NOV	0.00007	0.00000	0.073	1.000	10 15	-3.13183	0.00000	-8.869
DEC	0.00009	0.00000	0.089	1.000	5 15	-4.50892	0.00000	-10.518
TOTAL	5.425	0.452				-20.576	0.000	
MAX			15.188	0.940				-12.425

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-J SYSTEM PEAK HEATING AND COOLING DAYS FOR

SYSTEM-4

WEATHER FILE- SEATTLE SEATTLE-T WA

- - - - C O O L I N G - - - -					- - - H E A T I N G - - -			D A Y C O O L I N G P E A K			
AUG 10					FEB 19			AUG 10			
HOURLY COOLING LOAD (KBTU)	SENSIBLE HEAT RATIO	DRY- BULB TEMP	WET- BULB TEMP		HOURLY HEATING LOAD (KBTU)	DRY- BULB TEMP	WET- BULB TEMP	HOURLY COOLING LOAD (KBTU)	SENSIBLE HEAT RATIO	DRY- BULB TEMP	WET- BULB TEMP
1	3.225	0.794	66.F	59.F	-10.623	25.F	24.F	3.225	0.794	66.F	59.F
2	1.926	0.789	62.F	57.F	-11.203	24.F	23.F	1.926	0.789	62.F	57.F
3	1.461	0.738	65.F	59.F	-11.426	26.F	24.F	1.461	0.738	65.F	59.F
4	0.698	0.707	64.F	58.F	-11.992	23.F	22.F	0.698	0.707	64.F	58.F
5	0.331	0.669	63.F	58.F	-12.396	22.F	21.F	0.331	0.669	63.F	58.F
6	0.814	0.659	63.F	59.F	-12.425	22.F	21.F	0.814	0.659	63.F	59.F
7	1.990	0.719	67.F	61.F	-12.215	23.F	22.F	1.990	0.719	67.F	61.F
8	3.361	0.800	70.F	62.F	-11.967	23.F	21.F	3.361	0.800	70.F	62.F
9	0.000	0.000	73.F	63.F	-10.806	26.F	24.F	0.000	0.000	73.F	63.F
10	0.000	0.000	74.F	63.F	-9.326	28.F	25.F	0.000	0.000	74.F	63.F
11	4.468	0.815	76.F	64.F	-7.897	29.F	25.F	4.468	0.815	76.F	64.F
12	5.773	0.869	79.F	65.F	-6.594	32.F	28.F	5.773	0.869	79.F	65.F
13	7.173	0.880	81.F	66.F	-5.528	35.F	29.F	7.173	0.880	81.F	66.F
14	8.410	0.906	85.F	67.F	-4.625	36.F	29.F	8.410	0.906	85.F	67.F
15	13.954	0.956	86.F	66.F	-3.883	36.F	29.F	13.954	0.956	86.F	66.F
16	14.294	0.965	88.F	66.F	-3.367	37.F	30.F	14.294	0.965	88.F	66.F
17	14.698	0.965	89.F	66.F	-3.922	35.F	29.F	14.698	0.965	89.F	66.F
18	15.188	0.940	87.F	67.F	-5.158	32.F	28.F	15.188	0.940	87.F	67.F
19	14.275	0.957	86.F	65.F	-5.824	30.F	26.F	14.275	0.957	86.F	65.F
20	12.579	0.928	78.F	64.F	-6.409	30.F	26.F	12.579	0.928	78.F	64.F
21	10.447	0.917	73.F	62.F	-6.932	29.F	25.F	10.447	0.917	73.F	62.F
22	8.510	0.933	73.F	60.F	-7.475	29.F	26.F	8.510	0.933	73.F	60.F
23	14.020	0.923	65.F	60.F	-8.095	30.F	26.F	14.020	0.923	65.F	60.F
24	0.000	0.000	62.F	58.F	-8.167	29.F	25.F	0.000	0.000	62.F	58.F
-----					-----			-----			
SUM								157.595			
MAX	15.188				-12.425						

SYSTEM-TYPE	PSZ	SQFT/TON	1222.3
COOLING PEAK	9.82 (BTU/HR- SQFT)	HEATING PEAK	-8.03 (BTU/HR- SQFT)
SUPPLY AIR PEAK FLOW	0.46 (CFM/SQFT)	MIN-OA/PERSON	20.00 (CFM)
OA FRAC AT CLG PEAK	0.084	OA FRAC AT HTG PEAK	0.084

* ASTERISKS INDICATE HOURS LOADS NOT MET

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-K SPACE TEMPERATURE SUMMARY

SYSTEM-4

WEATHER FILE- SEATTLE SEATTLE-T WA

MONTH	AVERAGE SPACE TEMP					AVERAGE TEMPERATURE DIFFERENCE			SUMMED TEMP DIFFERENCE		HUMIDITY RATIO DIFFERENCE BETWEEN OUTDOOR AND ROOM AIR (FRAC.OR MULT.)
	ALL HOURS (F)	COOLING HOURS (F)	HEATING HOURS (F)	FAN ON HOURS (F)	FAN OFF HOURS (F)	BETWEEN OUTDOOR& ROOM AIR ALL HOURS (F)	BETWEEN OUTDOOR& ROOM AIR FAN ON HOURS (F)	BETWEEN OUTDOOR& ROOM AIR FAN OFF HOURS (F)	BETWEEN OUTDOOR& ROOM AIR HEATING HOURS (F)	BETWEEN OUTDOOR& ROOM AIR ALL HOURS (F)	
JAN	70.50		70.50	70.50	0.00	-30.41	-30.41	0.00	942.63	942.63	-0.00144
FEB	70.68	71.01	70.60	70.68	0.00	-28.20	-28.20	0.00	759.24	789.53	-0.00146
MAR	70.98	71.00	70.66	70.98	0.00	-24.00	-24.00	0.00	593.83	743.93	-0.00145
APR	72.31	75.83	70.72	72.31	0.00	-20.78	-20.78	0.00	304.30	625.42	-0.00141
MAY	73.78	76.69	70.81	73.78	0.00	-18.42	-18.42	0.00	100.57	571.15	-0.00134
JUN	75.74	77.23	70.92	75.74	0.00	-15.68	-15.68	0.00	3.70	470.74	-0.00122
JUL	76.78	77.58		76.78	0.00	-12.98	-12.98	0.00		410.46	-0.00080
AUG	76.81	77.60		76.81	0.00	-10.98	-10.98	0.00		363.21	-0.00066
SEP	74.68	77.11	70.82	74.68	0.00	-15.53	-15.53	0.00	40.25	465.75	-0.00114
OCT	71.55	72.37	70.74	71.55	0.00	-18.98	-18.98	0.00	367.78	588.46	-0.00145
NOV	70.73	71.00	70.61	70.73	0.00	-24.21	-24.21	0.00	692.70	726.36	-0.00146
DEC	70.52	71.01	70.51	70.52	0.00	-28.77	-28.77	0.00	889.49	891.87	-0.00144
ANNUAL	72.93	77.22	70.61	72.93	0.00	-20.70	-20.70	0.00	4694.48	7589.52	-0.00127

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-L FAN ELECTRIC ENERGY

SYSTEM-4

WEATHER FILE- SEATTLE SEATTLE-T WA

MONTH	FAN ELEC DURING HEATING (KWH)	FAN ELEC DURING COOLING (KWH)	FAN ELEC DURING HEAT & COOL (KWH)	FAN ELEC DURING FLOATING (KWH)	----- Number of hours within each PART LOAD range -----										----- TOTAL	
					00	10	20	30	40	50	60	70	80	90	100	100
					10	20	30	40	50	60	70	80	90	100	+	HOURS
JAN	97.131	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	744	744
FEB	82.117	0.522	0.000	5.092	0	0	0	0	0	0	0	0	0	0	672	672
MAR	72.717	0.914	0.000	23.499	0	0	0	0	0	0	0	0	0	0	744	744
APR	38.382	5.483	0.000	50.132	0	0	0	0	0	0	0	0	0	0	720	720
MAY	13.577	12.141	0.000	71.412	0	0	0	0	0	0	0	0	0	0	744	744
JUN	0.522	26.502	0.000	66.973	0	0	0	0	0	0	0	0	0	0	720	720
JUL	0.000	39.949	0.000	57.182	0	0	0	0	0	0	0	0	0	0	744	744
AUG	0.000	42.952	0.000	54.179	0	0	0	0	0	0	0	0	0	0	744	744
SEP	6.658	17.755	0.000	69.584	0	0	0	0	0	0	0	0	0	0	720	720
OCT	54.571	0.914	0.000	41.646	0	0	0	0	0	0	0	0	0	0	744	744
NOV	87.078	0.131	0.000	6.789	0	0	0	0	0	0	0	0	0	0	720	720
DEC	96.739	0.131	0.000	0.261	0	0	0	0	0	0	0	0	0	0	744	744
ANNUAL	549.501	147.394	0.000	446.755	0	0	0	0	0	0	0	0	0	0	8760	8760

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-N RELATIVE HUMIDITY SCATTER PLOT FOR

SYSTEM-4

WEATHER FILE- SEATTLE SEATTLE-T WA

TOTAL HOURS AT RELATIVE HUMIDITY LEVEL AND TIME OF DAY

HOUR	1AM	2	3	4	5	6	7	8	9	10	11	12	1PM	2	3	4	5	6	7	8	9	10	11	12	TOTAL
90-100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	5
60-69	17	17	15	18	15	18	12	4	3	3	4	3	3	0	0	0	1	4	7	10	11	11	7	18	201
50-59	96	88	110	116	130	128	103	70	60	50	46	45	38	30	22	23	27	46	50	52	50	61	47	103	1591
40-49	165	177	157	148	141	140	166	158	139	140	145	125	119	112	91	85	93	114	158	169	181	186	221	165	3495
30-39	70	67	68	66	64	64	69	106	121	127	127	151	157	169	191	203	194	169	131	115	108	90	70	60	2757
20-29	17	15	14	16	14	15	15	27	37	38	38	35	40	46	51	45	40	27	18	18	14	16	19	19	634
10-19	0	1	1	1	1	0	0	0	5	7	5	6	8	8	10	9	10	5	0	0	0	0	0	0	77
0-09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	=====

*
* NOTE 1)THE RELATIVE HUMIDITY COUNTS ARE MADE ONLY FOR *
* THE HOURS WHEN THE FANS ARE ON *
*

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-P LOAD, ENERGY AND PART LOAD HEATING IN SYSTEM-4

WEATHER FILE- SEATTLE SEATTLE-T WA

UNIT TYPE is PSZ			HEATING-CAPACITY = -20.853 (KBTU/HR) HEATING-EIR = 0.183 (BTU/BTU) SUPPLY-FLOW = 716. (CFM)																
MONTH	UNIT LOAD		ENERGY USE	COMPRESSOR	FAN ENERGY	----- Number of hours within each PART LOAD range -----												TOTAL	
	SUM (MBTU)	(KWH)	(KWH)	(KWH)	00	10	20	30	40	50	60	70	80	90	100	RUN			
	PEAK (KBTU/HR)	(KW)	(KW)	(KW)	10	20	30	40	50	60	70	80	90	100	+	HOURS			
JAN	SUM	-4.825	436.810	347.248	97.131	CMP	12	59	216	138	35	76	74	50	37	23	24	744	
	PEAK	-11.531	1.411	0.858	0.131	FAN	0	0	0	0	0	0	0	0	0	0	744	744	
	DAY/HR	15/ 8	7/ 8	15/ 9	31/24														
FEB	SUM	-3.385	332.119	251.890	87.731	CMP	80	119	118	59	40	62	82	40	14	6	9	629	
	PEAK	-12.425	1.891	0.843	0.131	FAN	0	0	0	0	0	0	0	0	0	0	629	629	
	DAY/HR	19/ 6	19/ 5	19/ 9	28/24														
MAR	SUM	-2.202	192.450	168.250	97.131	CMP	116	167	151	44	26	36	12	5	0	0	0	557	
	PEAK	-8.383	0.875	0.625	0.131	FAN	0	0	0	0	0	0	0	0	0	0	557	557	
	DAY/HR	1/ 7	1/ 7	1/ 7	31/24														
APR	SUM	-0.933	85.302	76.570	93.998	CMP	94	101	58	19	4	11	7	0	0	0	0	294	
	PEAK	-7.715	0.838	0.588	0.131	FAN	0	0	0	0	0	0	0	0	0	0	294	294	
	DAY/HR	18/ 5	19/ 6	19/ 6	30/ 1														
MAY	SUM	-0.216	21.093	20.594	97.131	CMP	61	33	10	0	0	0	0	0	0	0	0	104	
	PEAK	-4.769	0.559	0.340	0.131	FAN	0	0	0	0	0	0	0	0	0	0	104	104	
	DAY/HR	18/ 6	11/ 5	18/ 6	31/ 1														
JUN	SUM	-0.004	0.554	0.554	93.998	CMP	4	0	0	0	0	0	0	0	0	0	0	4	
	PEAK	-1.079	0.148	0.148	0.131	FAN	0	0	0	0	0	0	0	0	0	0	4	4	
	DAY/HR	15/ 6	15/ 6	15/ 6	30/ 1														
JUL	SUM	0.000	0.000	0.000	97.131	CMP	0	0	0	0	0	0	0	0	0	0	0	0	
	PEAK	0.000	0.000	0.000	0.131	FAN	0	0	0	0	0	0	0	0	0	0	0	0	
	DAY/HR	31/ 1	31/ 1	0/ 0	31/ 1														
AUG	SUM	0.000	0.000	0.000	97.131	CMP	0	0	0	0	0	0	0	0	0	0	0	0	
	PEAK	0.000	0.000	0.000	0.131	FAN	0	0	0	0	0	0	0	0	0	0	0	0	
	DAY/HR	31/ 1	31/ 1	0/ 0	31/ 1														
SEP	SUM	-0.106	10.044	10.044	93.998	CMP	32	14	5	0	0	0	0	0	0	0	0	51	
	PEAK	-4.792	0.331	0.331	0.131	FAN	0	0	0	0	0	0	0	0	0	0	51	51	
	DAY/HR	27/ 6	27/ 6	27/ 6	30/ 1														
OCT	SUM	-1.265	100.870	100.870	97.131	CMP	136	181	101	0	0	0	0	0	0	0	0	418	
	PEAK	-5.867	0.385	0.385	0.131	FAN	0	0	0	0	0	0	0	0	0	0	418	418	
	DAY/HR	16/ 5	16/ 8	16/ 8	31/24														
NOV	SUM	-3.132	263.004	230.571	93.998	CMP	85	196	167	95	20	38	38	23	5	0	0	667	
	PEAK	-8.869	0.952	0.703	0.131	FAN	0	0	0	0	0	0	0	0	0	0	667	667	
	DAY/HR	11/ 7	11/ 6	11/ 6	30/24														
DEC	SUM	-4.509	400.739	327.345	97.131	CMP	23	91	199	141	33	50	86	74	27	15	2	741	
	PEAK	-10.518	1.119	0.846	0.131	FAN	0	0	0	0	0	0	0	0	0	0	741	741	
	DAY/HR	26/ 9	26/ 7	26/ 9	31/24														
YR	SUM	-20.576	1842.988	1533.937	1143.597	CMP	643	961	1025	496	158	273	299	192	83	44	35	4209	
	PEAK	-12.425	1.891	0.858	0.131	FAN	0	0	0	0	0	0	0	0	0	0	4209	4209	
	MON/DAY	2/19	2/19	1/15	12/31														

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-P LOAD, ENERGY AND PART LOAD COOLING IN SYSTEM-4

WEATHER FILE- SEATTLE SEATTLE-T WA

UNIT TYPE is PSZ COOLING-CAPACITY = 18.747 (KBTU/HR) COOLING-EIR = 0.227 (BTU/BTU) SUPPLY-FLOW = 716. (CFM)

MONTH	UNIT LOAD		ENERGY USE (KWH) (KW)	COMPRESSOR (KWH) (KW)	FAN ENERGY (KWH) (KW)	Number of hours within each PART LOAD range											TOTAL RUN HOURS
	SUM (MBTU)	PEAK (KBTU/HR)				00	10	20	30	40	50	60	70	80	90	100	
						10	20	30	40	50	60	70	80	90	100	+	
JAN	SUM	0.000	0.000	0.000	97.131	CMP	0	0	0	0	0	0	0	0	0	0	0
	PEAK	0.000	0.000	0.000	0.131	FAN	0	0	0	0	0	0	0	0	0	0	0
	DAY/HR	31/24	31/24	0/ 0	31/24												
FEB	SUM	0.000	0.011	0.011	87.731	CMP	0	0	4	0	0	0	0	0	0	0	4
	PEAK	0.110	0.005	0.005	0.131	FAN	0	0	0	0	0	0	0	0	0	4	4
	DAY/HR	3/14	3/14	3/14	28/24												
MAR	SUM	0.000	0.018	0.018	97.131	CMP	0	0	7	0	0	0	0	0	0	0	7
	PEAK	0.137	0.006	0.006	0.131	FAN	0	0	0	0	0	0	0	0	0	7	7
	DAY/HR	23/14	23/14	23/14	31/24												
APR	SUM	0.118	4.867	4.867	93.998	CMP	1	0	34	2	6	0	0	0	0	0	43
	PEAK	8.438	0.339	0.339	0.131	FAN	0	0	0	0	0	0	0	0	0	42	42
	DAY/HR	27/19	27/19	27/19	30/ 1												
MAY	SUM	0.387	15.767	15.767	97.131	CMP	0	0	62	20	10	1	0	0	0	0	93
	PEAK	9.241	0.371	0.371	0.131	FAN	0	0	0	0	0	0	0	0	0	93	93
	DAY/HR	15/18	15/18	15/18	31/ 1												
JUN	SUM	0.934	38.089	38.089	93.998	CMP	0	0	132	29	28	13	1	0	0	0	203
	PEAK	11.515	0.463	0.463	0.131	FAN	0	0	0	0	0	0	0	0	0	203	203
	DAY/HR	28/19	28/19	28/19	30/ 1												
JUL	SUM	1.848	75.105	75.105	97.131	CMP	0	0	142	57	51	38	14	4	0	0	306
	PEAK	13.447	0.642	0.642	0.131	FAN	0	0	0	0	0	0	0	0	0	306	306
	DAY/HR	24/24	24/16	24/16	31/ 1												
AUG	SUM	1.930	80.082	80.082	97.131	CMP	0	0	174	39	40	28	33	13	2	0	329
	PEAK	15.188	0.780	0.780	0.131	FAN	0	0	0	0	0	0	0	0	0	329	329
	DAY/HR	10/19	10/18	10/18	31/ 1												
SEP	SUM	0.654	26.612	26.612	93.998	CMP	0	0	80	25	22	9	0	0	0	0	136
	PEAK	10.060	0.404	0.404	0.131	FAN	0	0	0	0	0	0	0	0	0	136	136
	DAY/HR	13/24	13/24	13/24	30/ 1												
OCT	SUM	0.004	0.176	0.176	97.131	CMP	0	0	7	0	0	0	0	0	0	0	7
	PEAK	3.559	0.152	0.152	0.131	FAN	0	0	0	0	0	0	0	0	0	7	7
	DAY/HR	4/24	4/24	4/24	31/24												
NOV	SUM	0.000	0.003	0.003	93.998	CMP	0	0	1	0	0	0	0	0	0	0	1
	PEAK	0.073	0.003	0.003	0.131	FAN	0	0	0	0	0	0	0	0	0	1	1
	DAY/HR	10/15	10/15	10/15	30/24												
DEC	SUM	0.000	0.004	0.004	97.131	CMP	0	0	1	0	0	0	0	0	0	0	1
	PEAK	0.089	0.004	0.004	0.131	FAN	0	0	0	0	0	0	0	0	0	1	1
	DAY/HR	5/15	5/15	5/15	31/24												
YR	SUM	5.876	240.735	240.735	1143.597	CMP	1	0	644	172	157	89	48	17	2	0	1130
	PEAK	15.188	0.780	0.780	0.131	FAN	0	0	0	0	0	0	0	0	0	1129	1129
	MON/DAY	8/10	8/10	8/10	12/31												

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-Q HEAT PUMP COOLING SUMMARY FOR SYSTEM-4

WEATHER FILE- SEATTLE SEATTLE-T WA

	UNIT RUN TIME (HOURS)	TOTAL LOAD ON UNIT (MBTU)	ENERGY IN TO UNIT (MBTU)	AUXILIARY ENERGY (MBTU)	SUP UNIT LOAD (MBTU)	SUP UNIT ENERGY (MBTU)	WASTE HEAT GENERATED (MBTU)	WASTE HEAT USE (MBTU)		INDOOR FAN ENERGY (MBTU)
JAN	0.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
FEB	1.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007
MAR	2.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.029
APR	12.	0.118	0.017	0.000	0.000	0.000	0.000	0.000	0.000	0.070
MAY	28.	0.387	0.054	0.000	0.000	0.000	0.000	0.000	0.000	0.109
JUN	64.	0.934	0.130	0.000	0.000	0.000	0.000	0.000	0.000	0.137
JUL	112.	1.848	0.256	0.000	0.000	0.000	0.000	0.000	0.000	0.157
AUG	124.	1.930	0.273	0.000	0.000	0.000	0.000	0.000	0.000	0.160
SEP	43.	0.654	0.091	0.000	0.000	0.000	0.000	0.000	0.000	0.120
OCT	2.	0.004	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.050
NOV	0.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008
DEC	0.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
0ANNUAL	387.	5.876	0.822	0.000	0.000	0.000	0.000	0.000	0.000	0.847

0CSPF (WITH PARASITICS) = 3.52 (KBTU/HR)
0CSPF (WITHOUT PARASITICS) = 7.15 (BTU/BTU)

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-Q HEAT PUMP HEATING SUMMARY FOR SYSTEM-4

WEATHER FILE- SEATTLE SEATTLE-T WA

	UNIT RUN TIME (HOURS)	TOTAL LOAD ON UNIT (MBTU)	ENERGY IN TO UNIT (MBTU)	AUXILIARY ENERGY (MBTU)	SUP UNIT LOAD (MBTU)	SUP UNIT ENERGY (MBTU)	WASTE HEAT GENERATED (MBTU)	WASTE HEAT USE (MBTU)	DEFROST LOAD (MBTU)	INDOOR FAN ENERGY (MBTU)
JAN	334.	-4.814	1.480	0.000	-0.011	0.011	0.000	0.000	0.000	0.222
FEB	234.	-3.370	1.119	0.000	-0.015	0.015	0.000	0.000	0.000	0.193
MAR	127.	-2.202	0.657	0.000	0.000	0.000	0.000	0.000	0.000	0.193
APR	53.	-0.933	0.291	0.000	0.000	0.000	0.000	0.000	0.000	0.145
MAY	11.	-0.216	0.072	0.000	0.000	0.000	0.000	0.000	0.000	0.113
JUN	0.	-0.004	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.078
JUL	0.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.065
AUG	0.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.062
SEP	5.	-0.106	0.034	0.000	0.000	0.000	0.000	0.000	0.000	0.095
OCT	59.	-1.265	0.344	0.000	0.000	0.000	0.000	0.000	0.000	0.172
NOV	186.	-3.132	0.898	0.000	0.000	0.000	0.000	0.000	0.000	0.207
DEC	307.	-4.509	1.368	0.000	0.000	0.000	0.000	0.000	0.000	0.221
0ANNUAL	1315.	-20.550	6.264	0.000	-0.026	0.026	0.000	0.000	0.000	1.765

0HSPF (WITH PARASITICS) = 2.77 (KBTU/HR)

0HSPF (WITHOUT PARASITICS) = 3.27 (BTU/BTU)

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-G ZONE LOADS SUMMARY IN SYSTEM-4 FOR 4-Apartment

WEATHER FILE- SEATTLE SEATTLE-T WA

- - - - - C O O L I N G - - - - -					- - - - - H E A T I N G - - - - -					- - - E L E C - - -		
MONTH	COOLING ENERGY (MBTU)	TIME OF MAX DY HR	DRY- BULB TEMP	WET- BULB TEMP	MAXIMUM COOLING LOAD (KBTU/HR)	HEATING ENERGY (MBTU)	TIME OF MAX DY HR	DRY- BULB TEMP	WET- BULB TEMP	MAXIMUM HEATING LOAD (KBTU/HR)	ELEC- TRICAL ENERGY (KWH)	MAXIMUM ELEC LOAD (KW)
JAN	0.00000				0.000	0.000				0.000	324.	0.910
FEB	0.00000				0.000	0.000				0.000	293.	0.910
MAR	0.00000				0.000	0.000				0.000	324.	0.910
APR	0.00000				0.000	0.000				0.000	314.	0.910
MAY	0.00000				0.000	0.000				0.000	324.	0.910
JUN	0.00000				0.000	0.000				0.000	314.	0.910
JUL	0.00000				0.000	0.000				0.000	324.	0.910
AUG	0.00000				0.000	0.000				0.000	324.	0.910
SEP	0.00000				0.000	0.000				0.000	314.	0.910
OCT	0.00000				0.000	0.000				0.000	324.	0.910
NOV	0.00000				0.000	0.000				0.000	314.	0.910
DEC	0.00000				0.000	0.000				0.000	324.	0.910
TOTAL	0.000					0.000					3820.	
MAX					0.000					0.000		0.910

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-F ZONE DEMAND SUMMARY IN SYSTEM-4 FOR 4-Apartment

WEATHER FILE- SEATTLE SEATTLE-T WA

- - - D E M A N D S - - - - - B A S E B O A R D S - - - - - T E M P E R A T U R E S - - - - L O A D S N O T M E T - -

MONTH	HEAT EXTRACTION ENERGY (MBTU)	HEAT ADDITION ENERGY (MBTU)	BASEBOARD ENERGY (MBTU)	MAXIMUM BASEBOARD LOAD (KBTU/HR)	MAXIMUM ZONE TEMP (F)	MINIMUM ZONE TEMP (F)	HOURS UNDER HEATED	HOURS UNDER COOLED
JAN	0.00117	-3.590	0.00000	0.000	70.9	70.3	0	0
FEB	0.04762	-2.420	0.00000	0.000	74.0	70.2	0	0
MAR	0.20580	-1.472	0.00000	0.000	74.8	70.3	0	0
APR	0.51909	-0.570	0.00000	0.000	79.1	70.4	0	0
MAY	0.95558	-0.105	0.00000	0.000	79.3	70.5	0	0
JUN	1.45156	0.000	0.00000	0.000	79.5	70.9	0	0
JUL	2.18639	0.000	0.00000	0.000	79.8	73.7	0	0
AUG	2.15059	0.000	0.00000	0.000	79.8	73.6	0	0
SEP	1.10392	-0.062	0.00000	0.000	79.3	70.6	0	0
OCT	0.27582	-0.837	0.00000	0.000	77.0	70.4	0	0
NOV	0.04475	-2.265	0.00000	0.000	74.8	70.3	0	0
DEC	0.00688	-3.357	0.00000	0.000	71.1	70.2	0	0

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-0 TEMPERATURE SCATTER PLOT SYSTEM-4

FOR 4-Apartment

WEATHER FILE- SEATTLE SEATTLE-T WA

TOTAL HOURS AT TEMPERATURE LEVEL AND TIME OF DAY

HOUR	1AM	2	3	4	5	6	7	8	9	10	11	12	1PM	2	3	4	5	6	7	8	9	10	11	12	TOTAL
ABOVE 85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80-85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75-80	102	92	78	67	63	61	62	72	83	95	102	110	121	123	128	132	133	135	133	131	129	123	64	110	2449
70-75	263	273	287	298	302	304	303	293	282	270	263	255	244	242	237	233	232	230	232	234	236	242	301	255	6311
65-70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60-65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BELOW 60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	=====

*
* NOTE 1)THE TEMPERATURE COUNTS ARE MADE ONLY FOR *
* THE HOURS WHEN THE FANS ARE ON *
*

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025PDL RUN 1

REPORT- PV-A EQUIPMENT SIZES

WEATHER FILE- SEATTLE SEATTLE-T WA

[illegible]

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025PDL RUN 1

REPORT- PS-A PLANT ENERGY UTILIZATION SUMMARY

WEATHER FILE- SEATTLE SEATTLE-T WA

MONTH	S I T E E N E R G Y												* SOURCE
	2	3	4	5	6	7	8	9	10	11	12	13	14
	TOTAL HEAT LOAD (MBTU)	TOTAL COOLING LOAD (MBTU)	TOTAL ELECTR LOAD (MWH)	RCVRED ENERGY (MBTU)	WASTED RCVRABL ENERGY (MBTU)	FUEL INPUT COOLING (MBTU)	ELEC INPUT COOLING (MWH)	FUEL INPUT HEATING (MBTU)	ELEC INPUT HEATING (MWH)	FUEL INPUT ELECT (MBTU)	TOTAL FUEL INPUT (MBTU)	TOTAL SITE ENERGY (MBTU)	TOTAL SOURCE ENERGY (MBTU)
JAN	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	3.9	0.0	0.0	24.0	71.9
FEB	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	20.6	61.9
MAR	0.0	0.0	5.8	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	19.8	59.4
APR	0.0	0.0	5.2	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	17.6	52.8
MAY	0.0	0.0	5.1	0.0	0.0	0.0	0.1	0.0	1.8	0.0	0.0	17.4	52.3
JUN	0.0	0.0	5.1	0.0	0.0	0.0	0.3	0.0	1.7	0.0	0.0	17.3	51.8
JUL	0.0	0.0	5.5	0.0	0.0	0.0	0.5	0.0	1.8	0.0	0.0	18.6	55.9
AUG	0.0	0.0	5.5	0.0	0.0	0.0	0.6	0.0	1.8	0.0	0.0	18.9	56.7
SEP	0.0	0.0	5.0	0.0	0.0	0.0	0.2	0.0	1.7	0.0	0.0	17.1	51.2
OCT	0.0	0.0	5.3	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0	18.1	54.2
NOV	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	20.3	60.9
DEC	0.0	0.0	6.8	0.0	0.0	0.0	0.0	0.0	3.7	0.0	0.0	23.3	69.9
TOTAL	0.0	0.0	68.3	0.0	0.0	0.0	1.9	0.0	29.5	0.0	0.0	233.0	698.9

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025PDL RUN 1

REPORT- PS-B MONTHLY UTILITY AND FUEL USE SUMMARY

WEATHER FILE- SEATTLE SEATTLE-T WA

		ELECTRICITY
		METER-1
		3413./KWH
MONTH	BTU/UNIT:	

JAN		
ENERGY CONSUMPTION (UNITS/MO)		7019.3
PEAK DEMAND (UNITS/HR OR DAY)		15.0
PEAK DAY/HR		13/22
FEB		
ENERGY CONSUMPTION (UNITS/MO)		6045.2
PEAK DEMAND (UNITS/HR OR DAY)		15.1
PEAK DAY/HR		19/ 8
MAR		
ENERGY CONSUMPTION (UNITS/MO)		5796.3
PEAK DEMAND (UNITS/HR OR DAY)		13.9
PEAK DAY/HR		4/22
APR		
ENERGY CONSUMPTION (UNITS/MO)		5157.5
PEAK DEMAND (UNITS/HR OR DAY)		12.6
PEAK DAY/HR		18/ 8
MAY		
ENERGY CONSUMPTION (UNITS/MO)		5104.0
PEAK DEMAND (UNITS/HR OR DAY)		12.4
PEAK DAY/HR		4/20
JUN		
ENERGY CONSUMPTION (UNITS/MO)		5056.4
PEAK DEMAND (UNITS/HR OR DAY)		13.1
PEAK DAY/HR		28/20
JUL		
ENERGY CONSUMPTION (UNITS/MO)		5462.5
PEAK DEMAND (UNITS/HR OR DAY)		13.6
PEAK DAY/HR		24/20
AUG		
ENERGY CONSUMPTION (UNITS/MO)		5539.5
PEAK DEMAND (UNITS/HR OR DAY)		14.3
PEAK DAY/HR		10/20
SEP		
ENERGY CONSUMPTION (UNITS/MO)		4996.8
PEAK DEMAND (UNITS/HR OR DAY)		12.5
PEAK DAY/HR		14/20
OCT		
ENERGY CONSUMPTION (UNITS/MO)		5297.4
PEAK DEMAND (UNITS/HR OR DAY)		11.9
PEAK DAY/HR		31/22
NOV		
ENERGY CONSUMPTION (UNITS/MO)		5951.8
PEAK DEMAND (UNITS/HR OR DAY)		14.2
PEAK DAY/HR		30/22
DEC		
ENERGY CONSUMPTION (UNITS/MO)		6828.4
PEAK DEMAND (UNITS/HR OR DAY)		15.0
PEAK DAY/HR		25/22

TOTAL		
ENERGY CONSUMPTION (UNITS/YR)		68255.1
PEAK DEMAND (UNITS/HR OR DAY)		15.1

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025PDL RUN 1

REPORT- PS-C EQUIPMENT PART LOAD OPERATION

WEATHER FILE- SEATTLE SEATTLE-T WA

EQUIPMENT	HOURS AT PERCENT PART LOAD RATIO	TOTAL HOURS	ANNUAL LOAD (MBTU)	FALSE LOAD (MBTU)	ELEC USED (KWH)	THERMAL USED (MBTU)
	0 -- 10 -- 20 -- 30 -- 40 -- 50 -- 60 -- 70 -- 80 -- 90 -- 100 - 110+ -----		-----	-----	-----	-----

HOT LOOP CIRCULATION PUMP ELECTRICAL USE = 0. KWH
COLD LOOP CIRCULATION PUMP ELECTRICAL USE = 0. KWH
CONDENSER WATER PUMP ELECTRICAL USE = 0. KWH
TOWER OR CONDENSER FAN ELECTRICAL USE = 0. KWH

NOTES TO TABLE

- 1) THE FIRST PART LOAD ENTRY FOR EACH PIECE OF EQUIPMENT IS THE HOURLY LOAD DIVIDED BY THE HOURLY OPERATING CAPACITY
- 2) THE SECOND PART LOAD ENTRY FOR EACH PIECE OF EQUIPMENT IS THE HOURLY LOAD DIVIDED BY THE TOTAL INSTALLED CAPACITY

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025PDL RUN 1

REPORT- PS-D PLANT LOADS SATISFIED

WEATHER FILE- SEATTLE SEATTLE-T WA

ELECTRICAL LOADS	KWH SUPPLIED	PCT OF TOTAL LOAD
-----	-----	-----
ELECTRICITY	68255.1	100.0
	=====	=====
LOAD SATISFIED	68255.1	100.0
TOTAL LOAD ON PLANT	68255.0	

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025PDL RUN 1

REPORT- PS-D PLANT LOADS SATISFIED

WEATHER FILE- SEATTLE SEATTLE-T WA

----- (CONTINUED) -----

SUMMARY OF LOADS MET

TYPE OF LOAD	TOTAL LOAD (MBTU)	LOAD SATISFIED (MBTU)	TOTAL OVERLOAD (MBTU)	PEAK OVERLOAD (MBTU)	HOURS OVERLOADED
ELECTRICAL LOADS	233.0	233.0	0.000	0.000	0

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025PDL RUN 1

REPORT- PS-E MONTHLY ENERGY END-USE SUMMARY

WEATHER FILE- SEATTLE SEATTLE-T WA

0ELECTRICAL END-USES IN KWH

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
0 AREA LIGHTS	310.	280.	310.	300.	310.	300.	310.	310.	300.	310.	300.	310.	3649.
MAX KW	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
DAY/HR	1/24	1/24	1/24	1/24	1/24	1/24	1/24	1/24	1/24	1/24	1/24	1/24	
0MISC EQUIPMT	1687.	1523.	1687.	1632.	1687.	1632.	1687.	1687.	1632.	1687.	1632.	1687.	19859.
MAX KW	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
DAY/HR	1/21	1/21	1/21	1/21	1/21	1/21	1/21	1/21	1/21	1/21	1/21	1/21	
0 SPACE HEAT	2106.	1606.	882.	357.	57.	1.	0.	0.	19.	370.	1194.	1915.	8507.
MAX KW	5.9	7.2	4.3	4.2	2.6	0.1	0.3	0.0	1.1	1.7	4.7	5.4	7.2
DAY/HR	7/ 8	19/ 5	5/ 5	19/ 6	11/ 5	15/ 6	20/ 5	0/ 0	28/ 5	29/ 5	13/ 5	26/ 4	
0 SPACE COOL	0.	0.	0.	46.	132.	301.	549.	625.	223.	14.	0.	0.	1890.
MAX KW	0.0	0.0	0.0	2.4	2.3	2.9	3.4	4.2	2.5	1.3	0.3	0.0	4.2
DAY/HR	11/19	27/24	21/13	27/19	6/24	28/19	24/19	10/19	13/24	4/24	4/24	2/13	
0 VENT FANS	1135.	1026.	1135.	1099.	1135.	1099.	1135.	1135.	1099.	1135.	1099.	1135.	13369.
MAX KW	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
DAY/HR	1/ 1	1/ 1	1/ 1	1/ 1	1/ 2	1/ 2	1/ 2	1/ 2	1/ 2	1/ 2	1/ 1	1/ 1	
0DOMHOT WATER	1781.	1610.	1782.	1723.	1782.	1724.	1781.	1782.	1724.	1781.	1727.	1781.	20981.
MAX KW	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
DAY/HR	1/ 8	1/ 8	1/ 8	1/ 8	1/ 8	1/ 8	1/ 8	1/ 8	1/ 8	1/ 8	1/ 8	1/ 8	
0 TOTAL KWH	7019.	6045.	5796.	5157.	5104.	5056.	5462.	5539.	4997.	5297.	5952.	6828.	68255.

0FUEL END-USES IN MBTU

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
0 TOTAL MBTU	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025PDL RUN 1

REPORT- PS-F ENERGY-RESOURCE PEAK BREAKDOWN BY END-USE

WEATHER FILE- SEATTLE SEATTLE-T WA

ENERGY-RESOURCE: ELECTRICITY

UNITS: KWH

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
PEAK DEMAND:	15.0	15.1	13.9	12.6	12.4	13.1	13.6	14.3	12.5	11.9	14.2	15.0
DAY/HR:	13/22	19/ 8	4/22	18/ 8	4/20	28/20	24/20	10/20	14/20	31/22	30/22	25/22
BREAKDOWN												
AREA LIGHTS:	0.74	0.47	0.74	0.47	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74
(%):	4.90	3.09	5.30	3.70	5.95	5.60	5.41	5.14	5.88	6.17	5.16	4.90
MISC EQUIPMT:	4.73	2.66	4.73	2.66	4.73	4.73	4.73	4.73	4.73	4.73	4.73	4.73
(%):	31.51	17.58	34.09	21.04	38.24	36.00	34.80	33.08	37.85	39.66	33.21	31.49
SPACE HEAT:	4.21	6.24	3.07	3.75	0.00	0.00	0.00	0.00	0.00	1.12	3.44	4.22
(%):	28.02	41.23	22.12	29.67	0.00	0.00	0.00	0.00	0.00	9.41	24.13	28.06
SPACE COOL:	0.00	0.00	0.00	0.00	1.99	2.76	3.21	3.92	2.12	0.00	0.00	0.00
(%):	0.00	0.00	0.00	0.00	16.07	20.98	23.63	27.40	16.94	0.00	0.00	0.00
VENT FANS:	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53
(%):	10.16	10.08	11.00	12.07	12.34	11.61	11.22	10.67	12.21	12.79	10.71	10.16
DOMHOT WATER:	3.81	4.24	3.81	4.24	3.39	3.39	3.39	3.39	3.39	3.81	3.81	3.81
(%):	25.40	28.01	27.49	33.51	27.41	25.80	24.94	23.71	27.12	31.98	26.78	25.39

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025PDL RUN 1

REPORT- PS-F ENERGY-RESOURCE PEAK BREAKDOWN BY END-USE

WEATHER FILE- SEATTLE SEATTLE-T WA

----- (CONTINUED) -----

ENERGY-RESOURCE: NATURAL-GAS

UNITS: THERM

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
PEAK DEMAND:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DAY/HR:	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0
BREAKDOWN												
AREA LIGHTS:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(%):	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MISC EQUIPMT:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(%):	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPACE HEAT:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(%):	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPACE COOL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(%):	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VENT FANS:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(%):	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DOMHOT WATER:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(%):	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025PDL RUN 1

REPORT- PS-G ELECTRICAL LOAD SCATTER PLOT

WEATHER FILE- SEATTLE SEATTLE-T WA

TOTAL HOURS AT HOURLY DEMAND AND TIME OF DAY

	HOUR	1AM	2	3	4	5	6	7	8	9	10	11	12	1PM	2	3	4	5	6	7	8	9	10	11	12	TOTAL
	15	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	8	15	21	42	0	0	92
	13	0	0	0	0	0	0	1	51	11	0	0	0	0	0	0	0	0	0	45	46	41	22	0	0	217
	12	0	0	0	0	0	0	13	15	49	9	0	1	1	0	0	0	0	21	70	98	106	130	45	17	575
	11	0	0	0	0	0	1	61	44	2	39	12	17	16	6	6	2	2	28	126	130	197	171	13	53	926
D	10	0	0	0	0	1	0	4	93	81	0	25	7	3	11	11	23	26	104	116	76	0	0	107	86	774
E	9	1	1	1	2	2	32	79	156	105	96	8	49	82	33	35	25	33	110	0	0	0	0	200	139	1189
M K	8	23	22	27	32	35	48	207	0	117	221	118	105	107	125	131	143	141	102	0	0	0	0	0	70	1774
A W	6	39	47	43	42	43	4	0	0	0	0	202	186	156	190	182	172	163	0	0	0	0	0	0	0	1469
N	5	3	4	7	15	13	105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	147
D	4	86	100	98	90	93	175	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	642
	3	213	191	189	184	178	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	955
	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	=====
PERCENT TOTAL DEMAND		2.0	2.1	2.1	2.2	2.2	2.8	4.5	5.5	5.0	4.4	3.8	4.0	4.1	3.9	3.9	3.8	3.9	4.9	6.1	6.2	6.3	6.4	5.0	4.9	

PEAK ELECTRICAL LOAD BREAKDOWN

SOURCE	KW	PCT
-----	-----	-----
SYSTEMS LOAD	15.134	100.0
	=====	
TOTAL	15.134	

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025PDL RUN 1

REPORT- PS-H EQUIPMENT USE STATISTICS

WEATHER FILE- SEATTLE SEATTLE-T WA

EQUIPMENT	AVG OPER RATIO	MAX LOAD (MBTU)	-----		SIZE	OPER HRS	SIZE	OPER HRS	SIZE	OPER HRS	SIZE	OPER HRS	SIZE	OPER HRS
			MON	DAY										
				HR	(MBTU)		(MBTU)		(MBTU)		(MBTU)		(MBTU)	

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025PDL RUN 1

REPORT- PS-I EQUIPMENT LIFE CYCLE COSTS

WEATHER FILE- SEATTLE SEATTLE-T WA

E Q U I P M E N T T O T A L S

EQUIPMENT TOTAL 0.0

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025PDL RUN 1

REPORT- BEPS BUILDING ENERGY PERFORMANCE SUMMARY

WEATHER FILE- SEATTLE SEATTLE-T WA

ENERGY TYPE: ELECTRICITY
UNITS: MBTU

CATEGORY OF USE

AREA LIGHTS	12.5
MISC EQUIPMT	67.8
SPACE HEAT	29.0
SPACE COOL	6.4
VENT FANS	45.6
DOMHOT WATER	71.6

TOTAL	233.0

TOTAL SITE ENERGY	232.96 MBTU	46.8 KBTU/SQFT-YR GROSS-AREA	46.8 KBTU/SQFT-YR NET-AREA
TOTAL SOURCE ENERGY	698.94 MBTU	140.5 KBTU/SQFT-YR GROSS-AREA	140.5 KBTU/SQFT-YR NET-AREA

PERCENT OF HOURS ANY SYSTEM ZONE OUTSIDE OF THROTTLING RANGE = 0.0
PERCENT OF HOURS ANY PLANT LOAD NOT SATISFIED = 0.0

NOTE: ENERGY IS APPORTIONED HOURLY TO ALL END-USE CATEGORIES.

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025PDL RUN 1

REPORT- BEPU BUILDING ENERGY PERFORMANCE SUMMARY (UTILITY UNITS)

WEATHER FILE- SEATTLE SEATTLE-T WA

ENERGY TYPE: SITE UNITS:	ELECTRICITY KWH
CATEGORY OF USE	

AREA LIGHTS	3649.
MISC EQUIPMT	19860.
SPACE HEAT	8507.
SPACE COOL	1890.
VENT FANS	13370.
DOMHOT WATER	20980.

TOTAL	68256.

TOTAL ELECTRICITY	68256. KWH	13.723 KWH	/SQFT-YR GROSS-AREA	13.723 KWH	/SQFT-YR NET-AREA
-------------------	------------	------------	---------------------	------------	-------------------

PERCENT OF HOURS ANY SYSTEM ZONE OUTSIDE OF THROTTLING RANGE = 0.0
PERCENT OF HOURS ANY PLANT LOAD NOT SATISFIED = 0.0

NOTE: ENERGY IS APPORTIONED HOURLY TO ALL END-USE CATEGORIES.

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025PDL RUN 1

TO-ENERGYPRO = HOURLY-REPORT

PAGE 1 - 1

MMDDHH	END-USE	END-USE	END-USE	END-USE	END-USE	END-USE	END-USE	END-USE
	AREA LITE KW	TASK LITE KW	EQUIP ELEC KW	SOURCE ELEC KW	HEATING ELEC KW	SUPPLEMT ELEC KW	COOLING ELEC KW	HEAT REJ ELEC KW
	----(1)	----(2)	----(3)	----(4)	----(5)	----(11)	----(6)	----(7)
0 MONTHLY SUMMARY (JAN)								
MN	0.067	0.000	0.591	0.000	0.175	0.000	0.000	0.000
MX	2.006	0.000	5.323	0.000	5.895	0.000	0.004	0.000
SM	309.932	0.000	1686.673	0.000	2105.754	0.000	0.010	0.000
AV	0.417	0.000	2.267	0.000	2.830	0.000	0.000	0.000
0 MONTHLY SUMMARY (FEB)								
MN	0.067	0.000	0.591	0.000	0.000	0.000	0.000	0.000
MX	2.006	0.000	5.323	0.000	7.163	0.000	0.021	0.000
SM	279.939	0.000	1523.447	0.000	1606.351	0.000	0.081	0.000
AV	0.417	0.000	2.267	0.000	2.390	0.000	0.000	0.000
0 MONTHLY SUMMARY (MAR)								
MN	0.067	0.000	0.591	0.000	0.000	0.000	0.000	0.000
MX	2.006	0.000	5.323	0.000	4.340	0.000	0.008	0.000
SM	309.932	0.000	1686.673	0.000	881.879	0.000	0.084	0.000
AV	0.417	0.000	2.267	0.000	1.185	0.000	0.000	0.000
0 MONTHLY SUMMARY (APR)								
MN	0.067	0.000	0.591	0.000	0.000	0.000	0.000	0.000
MX	2.006	0.000	5.323	0.000	4.223	0.000	2.360	0.000
SM	299.934	0.000	1632.264	0.000	356.985	0.000	46.089	0.000
AV	0.417	0.000	2.267	0.000	0.496	0.000	0.064	0.000
0 MONTHLY SUMMARY (MAY)								
MN	0.067	0.000	0.591	0.000	0.000	0.000	0.000	0.000
MX	2.006	0.000	5.323	0.000	2.640	0.000	2.257	0.000
SM	309.932	0.000	1686.673	0.000	57.394	0.000	132.197	0.000
AV	0.417	0.000	2.267	0.000	0.077	0.000	0.178	0.000
0 MONTHLY SUMMARY (JUN)								
MN	0.067	0.000	0.591	0.000	0.000	0.000	0.000	0.000
MX	2.006	0.000	5.323	0.000	0.148	0.000	2.902	0.000
SM	299.934	0.000	1632.264	0.000	0.554	0.000	300.601	0.000
AV	0.417	0.000	2.267	0.000	0.001	0.000	0.418	0.000
0 MONTHLY SUMMARY (JUL)								
MN	0.067	0.000	0.591	0.000	0.000	0.000	0.000	0.000
MX	2.006	0.000	5.323	0.000	0.269	0.000	3.423	0.000
SM	309.932	0.000	1686.673	0.000	0.269	0.000	548.706	0.000
AV	0.417	0.000	2.267	0.000	0.000	0.000	0.738	0.000
0 MONTHLY SUMMARY (AUG)								
MN	0.067	0.000	0.591	0.000	0.000	0.000	0.000	0.000
MX	2.006	0.000	5.323	0.000	0.000	0.000	4.243	0.000
SM	309.932	0.000	1686.673	0.000	0.000	0.000	625.091	0.000
AV	0.417	0.000	2.267	0.000	0.000	0.000	0.840	0.000
0 MONTHLY SUMMARY (SEP)								
MN	0.067	0.000	0.591	0.000	0.000	0.000	0.000	0.000
MX	2.006	0.000	5.323	0.000	1.092	0.000	2.472	0.000
SM	299.934	0.000	1632.264	0.000	18.676	0.000	222.880	0.000
AV	0.417	0.000	2.267	0.000	0.026	0.000	0.310	0.000
0 MONTHLY SUMMARY (OCT)								
MN	0.067	0.000	0.591	0.000	0.000	0.000	0.000	0.000
MX	2.006	0.000	5.323	0.000	1.732	0.000	1.252	0.000
SM	309.932	0.000	1686.673	0.000	370.315	0.000	13.541	0.000
AV	0.417	0.000	2.267	0.000	0.498	0.000	0.018	0.000
0 MONTHLY SUMMARY (NOV)								
MN	0.067	0.000	0.591	0.000	0.000	0.000	0.000	0.000
MX	2.006	0.000	5.323	0.000	4.739	0.000	0.281	0.000
SM	299.934	0.000	1632.264	0.000	1193.682	0.000	0.339	0.000
AV	0.417	0.000	2.267	0.000	1.658	0.000	0.000	0.000
0 MONTHLY SUMMARY (DEC)								
MN	0.067	0.000	0.591	0.000	0.331	0.000	0.000	0.000
MX	2.006	0.000	5.323	0.000	5.362	0.000	0.006	0.000
SM	309.932	0.000	1686.673	0.000	1914.821	0.000	0.013	0.000
AV	0.417	0.000	2.267	0.000	2.574	0.000	0.000	0.000
0 YEARLY SUMMARY								
MN	0.067	0.000	0.591	0.000	0.000	0.000	0.000	0.000
MX	2.006	0.000	5.323	0.000	7.163	0.000	4.243	0.000
SM	3649.201	0.000	19859.217	0.000	8506.680	0.000	1889.631	0.000
AV	0.417	0.000	2.267	0.000	0.971	0.000	0.216	0.000

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025PDL RUN 1

TO-ENERGYPRO = HOURLY-REPORT

PAGE 1 - 2

MMDDHH	END-USE	END-USE	END-USE	END-USE	END-USE	END-USE	END-USE	END-USE
	AUXIL ELEC KW	VENTILAT ELEC KW	DHW HEAT ELEC KW	SOURCE FUEL BTU/HR	HEATING FUEL BTU/HR	COOLING FUEL BTU/HR	DHW HEAT FUEL BTU/HR	EXTERIOR LITE KW
	----(8)	----(9)	----(12)	----(14)	----(15)	----(16)	----(18)	----(20)
0 MONTHLY SUMMARY (JAN)								
MN	0.000	1.526	0.424	0.000	0.000	0.000	0.000	0.000
MX	0.000	1.526	4.239	0.000	0.000	0.000	0.000	0.000
SM	0.000	1135.458	1781.464	0.000	0.000	0.000	0.000	0.000
AV	0.000	1.526	2.394	0.000	0.000	0.000	0.000	0.000
0 MONTHLY SUMMARY (FEB)								
MN	0.000	1.526	0.424	0.000	0.000	0.000	0.000	0.000
MX	0.000	1.526	4.239	0.000	0.000	0.000	0.000	0.000
SM	0.000	1025.575	1609.803	0.000	0.000	0.000	0.000	0.000
AV	0.000	1.526	2.396	0.000	0.000	0.000	0.000	0.000
0 MONTHLY SUMMARY (MAR)								
MN	0.000	1.526	0.424	0.000	0.000	0.000	0.000	0.000
MX	0.000	1.526	4.239	0.000	0.000	0.000	0.000	0.000
SM	0.000	1135.458	1782.312	0.000	0.000	0.000	0.000	0.000
AV	0.000	1.526	2.396	0.000	0.000	0.000	0.000	0.000
0 MONTHLY SUMMARY (APR)								
MN	0.000	1.526	0.424	0.000	0.000	0.000	0.000	0.000
MX	0.000	1.526	4.239	0.000	0.000	0.000	0.000	0.000
SM	0.000	1098.831	1723.396	0.000	0.000	0.000	0.000	0.000
AV	0.000	1.526	2.394	0.000	0.000	0.000	0.000	0.000
0 MONTHLY SUMMARY (MAY)								
MN	0.000	1.526	0.424	0.000	0.000	0.000	0.000	0.000
MX	0.000	1.526	4.239	0.000	0.000	0.000	0.000	0.000
SM	0.000	1135.458	1782.312	0.000	0.000	0.000	0.000	0.000
AV	0.000	1.526	2.396	0.000	0.000	0.000	0.000	0.000
0 MONTHLY SUMMARY (JUN)								
MN	0.000	1.526	0.424	0.000	0.000	0.000	0.000	0.000
MX	0.000	1.526	4.239	0.000	0.000	0.000	0.000	0.000
SM	0.000	1098.831	1724.244	0.000	0.000	0.000	0.000	0.000
AV	0.000	1.526	2.395	0.000	0.000	0.000	0.000	0.000
0 MONTHLY SUMMARY (JUL)								
MN	0.000	1.526	0.424	0.000	0.000	0.000	0.000	0.000
MX	0.000	1.526	4.239	0.000	0.000	0.000	0.000	0.000
SM	0.000	1135.458	1781.464	0.000	0.000	0.000	0.000	0.000
AV	0.000	1.526	2.394	0.000	0.000	0.000	0.000	0.000
0 MONTHLY SUMMARY (AUG)								
MN	0.000	1.526	0.424	0.000	0.000	0.000	0.000	0.000
MX	0.000	1.526	4.239	0.000	0.000	0.000	0.000	0.000
SM	0.000	1135.458	1782.312	0.000	0.000	0.000	0.000	0.000
AV	0.000	1.526	2.396	0.000	0.000	0.000	0.000	0.000
0 MONTHLY SUMMARY (SEP)								
MN	0.000	1.526	0.424	0.000	0.000	0.000	0.000	0.000
MX	0.000	1.526	4.239	0.000	0.000	0.000	0.000	0.000
SM	0.000	1098.831	1724.244	0.000	0.000	0.000	0.000	0.000
AV	0.000	1.526	2.395	0.000	0.000	0.000	0.000	0.000
0 MONTHLY SUMMARY (OCT)								
MN	0.000	1.526	0.424	0.000	0.000	0.000	0.000	0.000
MX	0.000	1.526	4.239	0.000	0.000	0.000	0.000	0.000
SM	0.000	1135.458	1781.464	0.000	0.000	0.000	0.000	0.000
AV	0.000	1.526	2.394	0.000	0.000	0.000	0.000	0.000
0 MONTHLY SUMMARY (NOV)								
MN	0.000	1.526	0.424	0.000	0.000	0.000	0.000	0.000
MX	0.000	1.526	4.239	0.000	0.000	0.000	0.000	0.000
SM	0.000	1098.831	1726.787	0.000	0.000	0.000	0.000	0.000
AV	0.000	1.526	2.398	0.000	0.000	0.000	0.000	0.000
0 MONTHLY SUMMARY (DEC)								
MN	0.000	1.526	0.424	0.000	0.000	0.000	0.000	0.000
MX	0.000	1.526	4.239	0.000	0.000	0.000	0.000	0.000
SM	0.000	1135.458	1781.464	0.000	0.000	0.000	0.000	0.000
AV	0.000	1.526	2.394	0.000	0.000	0.000	0.000	0.000
0 YEARLY SUMMARY								
MN	0.000	1.526	0.424	0.000	0.000	0.000	0.000	0.000
MX	0.000	1.526	4.239	0.000	0.000	0.000	0.000	0.000
SM	0.000	13369.106	20981.268	0.000	0.000	0.000	0.000	0.000
AV	0.000	1.526	2.395	0.000	0.000	0.000	0.000	0.000

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025PDL RUN 1

TO-ENERGYPRO = HOURLY-REPORT

PAGE 1 - 3

MMDDHH	END-USE	END-USE	END-USE	END-USE	PLANT	PLANT	CTANK-ST ORAGE ENERGY RELEASED BTU/HR	CTANK-ST ORAGE TOTAL IN STORAGE BTU/HR
	EXT MISC ELEC KW	EXT MISC FUEL BTU/HR	METER STEAM UNITS	METER CHIL WTR UNITS	SYS HEAT LOAD BTU/HR	SYS COOL LOAD BTU/HR		
	----(21)	----(22)	----(33)	----(34)	----(1)	----(2)	----(1)	----(14)
0 MONTHLY SUMMARY (JAN)								
MN	0.000	0.000	0.000	0.000	0.	0.	0.	0.
MX	0.000	0.000	0.000	0.000	0.	0.	0.	0.
SM	0.000	0.000	0.000	0.000	0.	0.	0.	0.
AV	0.000	0.000	0.000	0.000	0.	0.	0.	0.
0 MONTHLY SUMMARY (FEB)								
MN	0.000	0.000	0.000	0.000	0.	0.	0.	0.
MX	0.000	0.000	0.000	0.000	0.	0.	0.	0.
SM	0.000	0.000	0.000	0.000	0.	0.	0.	0.
AV	0.000	0.000	0.000	0.000	0.	0.	0.	0.
0 MONTHLY SUMMARY (MAR)								
MN	0.000	0.000	0.000	0.000	0.	0.	0.	0.
MX	0.000	0.000	0.000	0.000	0.	0.	0.	0.
SM	0.000	0.000	0.000	0.000	0.	0.	0.	0.
AV	0.000	0.000	0.000	0.000	0.	0.	0.	0.
0 MONTHLY SUMMARY (APR)								
MN	0.000	0.000	0.000	0.000	0.	0.	0.	0.
MX	0.000	0.000	0.000	0.000	0.	0.	0.	0.
SM	0.000	0.000	0.000	0.000	0.	0.	0.	0.
AV	0.000	0.000	0.000	0.000	0.	0.	0.	0.
0 MONTHLY SUMMARY (MAY)								
MN	0.000	0.000	0.000	0.000	0.	0.	0.	0.
MX	0.000	0.000	0.000	0.000	0.	0.	0.	0.
SM	0.000	0.000	0.000	0.000	0.	0.	0.	0.
AV	0.000	0.000	0.000	0.000	0.	0.	0.	0.
0 MONTHLY SUMMARY (JUN)								
MN	0.000	0.000	0.000	0.000	0.	0.	0.	0.
MX	0.000	0.000	0.000	0.000	0.	0.	0.	0.
SM	0.000	0.000	0.000	0.000	0.	0.	0.	0.
AV	0.000	0.000	0.000	0.000	0.	0.	0.	0.
0 MONTHLY SUMMARY (JUL)								
MN	0.000	0.000	0.000	0.000	0.	0.	0.	0.
MX	0.000	0.000	0.000	0.000	0.	0.	0.	0.
SM	0.000	0.000	0.000	0.000	0.	0.	0.	0.
AV	0.000	0.000	0.000	0.000	0.	0.	0.	0.
0 MONTHLY SUMMARY (AUG)								
MN	0.000	0.000	0.000	0.000	0.	0.	0.	0.
MX	0.000	0.000	0.000	0.000	0.	0.	0.	0.
SM	0.000	0.000	0.000	0.000	0.	0.	0.	0.
AV	0.000	0.000	0.000	0.000	0.	0.	0.	0.
0 MONTHLY SUMMARY (SEP)								
MN	0.000	0.000	0.000	0.000	0.	0.	0.	0.
MX	0.000	0.000	0.000	0.000	0.	0.	0.	0.
SM	0.000	0.000	0.000	0.000	0.	0.	0.	0.
AV	0.000	0.000	0.000	0.000	0.	0.	0.	0.
0 MONTHLY SUMMARY (OCT)								
MN	0.000	0.000	0.000	0.000	0.	0.	0.	0.
MX	0.000	0.000	0.000	0.000	0.	0.	0.	0.
SM	0.000	0.000	0.000	0.000	0.	0.	0.	0.
AV	0.000	0.000	0.000	0.000	0.	0.	0.	0.
0 MONTHLY SUMMARY (NOV)								
MN	0.000	0.000	0.000	0.000	0.	0.	0.	0.
MX	0.000	0.000	0.000	0.000	0.	0.	0.	0.
SM	0.000	0.000	0.000	0.000	0.	0.	0.	0.
AV	0.000	0.000	0.000	0.000	0.	0.	0.	0.
0 MONTHLY SUMMARY (DEC)								
MN	0.000	0.000	0.000	0.000	0.	0.	0.	0.
MX	0.000	0.000	0.000	0.000	0.	0.	0.	0.
SM	0.000	0.000	0.000	0.000	0.	0.	0.	0.
AV	0.000	0.000	0.000	0.000	0.	0.	0.	0.
0 YEARLY SUMMARY								
MN	0.000	0.000	0.000	0.000	0.	0.	0.	0.
MX	0.000	0.000	0.000	0.000	0.	0.	0.	0.
SM	0.000	0.000	0.000	0.000	0.	0.	0.	0.
AV	0.000	0.000	0.000	0.000	0.	0.	0.	0.

MESSAGE LIST FROM ECONOMICS PROGRAM

0 **CAUTION*****
BLOCK-CHARGE RATE-01-ELECTRIC IS USED IN A TIME-OF-USE
FORMAT, BUT IS NOT TOU-SEASON-LINKED TO ANY OTHER
BLOCK-CHARGES FOR SEASONAL CHANGES. THEREFORE, ANY
SEASONAL CHANGE MUST OCCUR ON THE BILLING DAY OR
ERRORS WILL RESULT. REFER TO REPORT ES-F.

0 **CAUTION*****
BLOCK-CHARGE RATE-11-ELECTRIC IS USED IN A TIME-OF-USE
FORMAT, BUT IS NOT TOU-SEASON-LINKED TO ANY OTHER
BLOCK-CHARGES FOR SEASONAL CHANGES. THEREFORE, ANY
SEASONAL CHANGE MUST OCCUR ON THE BILLING DAY OR
ERRORS WILL RESULT. REFER TO REPORT ES-F.

0 **CAUTION*****
BLOCK-CHARGE RATE-21-ELECTRIC IS USED IN A TIME-OF-USE
FORMAT, BUT IS NOT TOU-SEASON-LINKED TO ANY OTHER
BLOCK-CHARGES FOR SEASONAL CHANGES. THEREFORE, ANY
SEASONAL CHANGE MUST OCCUR ON THE BILLING DAY OR
ERRORS WILL RESULT. REFER TO REPORT ES-F.

0 **CAUTION*****
BLOCK-CHARGE RATE-31-ELECTRIC IS USED IN A TIME-OF-USE
FORMAT, BUT IS NOT TOU-SEASON-LINKED TO ANY OTHER
BLOCK-CHARGES FOR SEASONAL CHANGES. THEREFORE, ANY
SEASONAL CHANGE MUST OCCUR ON THE BILLING DAY OR
ERRORS WILL RESULT. REFER TO REPORT ES-F.

0 **CAUTION*****
BLOCK-CHARGE RATE-41-ELECTRIC IS USED IN A TIME-OF-USE
FORMAT, BUT IS NOT TOU-SEASON-LINKED TO ANY OTHER
BLOCK-CHARGES FOR SEASONAL CHANGES. THEREFORE, ANY
SEASONAL CHANGE MUST OCCUR ON THE BILLING DAY OR
ERRORS WILL RESULT. REFER TO REPORT ES-F.

0 **CAUTION*****
BLOCK-CHARGE RATE-51-ELECTRIC IS USED IN A TIME-OF-USE
FORMAT, BUT IS NOT TOU-SEASON-LINKED TO ANY OTHER
BLOCK-CHARGES FOR SEASONAL CHANGES. THEREFORE, ANY
SEASONAL CHANGE MUST OCCUR ON THE BILLING DAY OR
ERRORS WILL RESULT. REFER TO REPORT ES-F.

0 **CAUTION*****
BLOCK-CHARGE RATE-01-NATURAL- IS USED IN A TIME-OF-USE
FORMAT, BUT IS NOT TOU-SEASON-LINKED TO ANY OTHER
BLOCK-CHARGES FOR SEASONAL CHANGES. THEREFORE, ANY
SEASONAL CHANGE MUST OCCUR ON THE BILLING DAY OR
ERRORS WILL RESULT. REFER TO REPORT ES-F.

0 **CAUTION*****
BLOCK-CHARGE RATE-11-NATURAL- IS USED IN A TIME-OF-USE
FORMAT, BUT IS NOT TOU-SEASON-LINKED TO ANY OTHER
BLOCK-CHARGES FOR SEASONAL CHANGES. THEREFORE, ANY
SEASONAL CHANGE MUST OCCUR ON THE BILLING DAY OR
ERRORS WILL RESULT. REFER TO REPORT ES-F.

0 **CAUTION*****
BLOCK-CHARGE RATE-21-NATURAL- IS USED IN A TIME-OF-USE
FORMAT, BUT IS NOT TOU-SEASON-LINKED TO ANY OTHER
BLOCK-CHARGES FOR SEASONAL CHANGES. THEREFORE, ANY
SEASONAL CHANGE MUST OCCUR ON THE BILLING DAY OR
ERRORS WILL RESULT. REFER TO REPORT ES-F.

0 **CAUTION*****
BLOCK-CHARGE RATE-31-NATURAL- IS USED IN A TIME-OF-USE
FORMAT, BUT IS NOT TOU-SEASON-LINKED TO ANY OTHER
BLOCK-CHARGES FOR SEASONAL CHANGES. THEREFORE, ANY
SEASONAL CHANGE MUST OCCUR ON THE BILLING DAY OR
ERRORS WILL RESULT. REFER TO REPORT ES-F.

0 **CAUTION*****
BLOCK-CHARGE RATE-41-NATURAL- IS USED IN A TIME-OF-USE
FORMAT, BUT IS NOT TOU-SEASON-LINKED TO ANY OTHER
BLOCK-CHARGES FOR SEASONAL CHANGES. THEREFORE, ANY
SEASONAL CHANGE MUST OCCUR ON THE BILLING DAY OR
ERRORS WILL RESULT. REFER TO REPORT ES-F.

0 **CAUTION*****
BLOCK-CHARGE RATE-51-NATURAL- IS USED IN A TIME-OF-USE
FORMAT, BUT IS NOT TOU-SEASON-LINKED TO ANY OTHER
BLOCK-CHARGES FOR SEASONAL CHANGES. THEREFORE, ANY
SEASONAL CHANGE MUST OCCUR ON THE BILLING DAY OR
ERRORS WILL RESULT. REFER TO REPORT ES-F.

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025EDL RUN 1

REPORT- ES-D ENERGY COST SUMMARY

UTILITY-RATE	RESOURCE	METERS	METERED ENERGY UNITS/YR	TOTAL CHARGE (\$)	VIRTUAL RATE (\$/UNIT)	RATE USED ALL YEAR?
0ELEC-CO Electric	ELECTRICITY	1 2 3 4 5	68255. KWH	48102.	0.7047	YES
0GAS-CO GAS	NATURAL-GAS	1 2 3 4 5	0. THERM	0.	0.0000	YES
0				=====		
0				48102.		
			ENERGY COST/GROSS BLDG AREA:	9.67		
			ENERGY COST/NET BLDG AREA:	9.67		

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025EDL RUN 1

REPORT- ES-E SUMMARY OF UTILITY-RATE: ELEC-CO Electric

UTILITY-RATE: ELEC-CO Electric

RESOURCE: ELECTRICITY

DEMAND-WINDOW: HOUR

3413. BTU/KWH

METERS: 1 2 3 4 5

BILLING-DAY: 31

RATE-LIMITATION: 0.0000

POWER-FACTOR: 0.80

EXCESS-KVAR-FRAC: 0.30

EXCESS-KVAR-CHG: 0.0000

RATE-QUALIFICATIONS

BLOCK-CHARGES

DEMAND-RATCHETS

MIN-MON-RATCHETS

MIN-ENERGY: 0.0
MAX-ENERGY: 0.0
MIN-DEMAND: 0.0
MAX-DEMAND: 0.0
QUALIFY-RATE: ALL-MONTHS
USE-MIN-QUAL: NO

RATE-01-ELECTRIC
RATE-11-ELECTRIC
RATE-21-ELECTRIC
RATE-31-ELECTRIC
RATE-41-ELECTRIC
RATE-51-ELECTRIC

0

MONTH	METERED ENERGY KWH	BILLING ENERGY KWH	METERED DEMAND KW	BILLING DEMAND KW	ENERGY CHARGE (\$)	DEMAND CHARGE (\$)	ENERGY CST ADJ (\$)	TAXES (\$)	SURCHRG (\$)	FIXED CHARGE (\$)	MINIMUM CHARGE (\$)	VIRTUAL RATE (\$/UNIT)	TOTAL CHARGE (\$)
0 JAN	7019	7019	15.0	15.0	4914	30	0	0	0	0	0	0.7043	4944
0 FEB	6045	6045	15.1	15.1	4232	31	0	0	0	0	0	0.7050	4262
0 MAR	5796	5796	13.9	13.9	4057	28	0	0	0	0	0	0.7048	4085
0 APR	5158	5158	12.6	12.6	3610	26	0	0	0	0	0	0.7051	3637
0 MAY	5104	5104	12.4	12.4	3573	24	0	0	0	0	0	0.7047	3597
0 JUN	5056	5056	13.1	13.1	3539	24	0	0	0	0	0	0.7048	3564
0 JUL	5463	5463	13.6	13.6	3824	25	0	0	0	0	0	0.7047	3849
0 AUG	5539	5539	14.3	14.3	3878	26	0	0	0	0	0	0.7048	3904
0 SEP	4997	4997	12.5	12.5	3498	24	0	0	0	0	0	0.7049	3522
0 OCT	5297	5297	11.9	11.9	3708	24	0	0	0	0	0	0.7045	3732
0 NOV	5952	5952	14.2	14.2	4166	29	0	0	0	0	0	0.7049	4195
0 DEC	6828	6828	15.0	15.0	4780	31	0	0	0	0	0	0.7045	4810
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
TOTAL	68255	68255	15.1		47779	324	0	0	0	0		0.7047	48102

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025EDL RUN 1

REPORT- ES-F BLOCK-CHARGE AND RATCHET SUMMARY FOR: ELEC-CO Electric

UTILITY-RATE: ELEC-CO Electric

RESOURCE: ELECTRICITY

ENERGY-UNITS: KWH

DEMAND-UNITS: KW

DEMAND-WINDOW: HOUR

0

BLOCK-CHARGES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
0RATE-01-ELECTRIC USE: TIME-OF-USE													
METERED ENERGY:	1849	1703	1593	1185	0	0	0	0	0	0	1752	1852	
BILLING ENERGY:	1849	1703	1593	1185	0	0	0	0	0	0	1752	1852	9934
METERED DEMAND:	13.7	13.7	12.7	12.5	0.0	0.0	0.0	0.0	0.0	0.0	13.5	13.9	
BILLING DEMAND:	13.7	13.7	12.7	12.5	0.0	0.0	0.0	0.0	0.0	0.0	13.5	13.9	
ENERGY CHGS(\$):	1295	1192	1115	830	0	0	0	0	0	0	1226	1296	6954
DEMAND CHGS(\$):	10	10	9	9	0	0	0	0	0	0	9	10	56
TOTAL CHGS(\$):	1304	1202	1124	839	0	0	0	0	0	0	1236	1306	7010
0RATE-11-ELECTRIC USE: TIME-OF-USE													
METERED ENERGY:	3434	2853	2759	2609	0	0	0	0	0	0	2650	3267	
BILLING ENERGY:	3434	2853	2759	2609	0	0	0	0	0	0	2650	3267	17572
METERED DEMAND:	15.0	15.1	13.9	12.6	0.0	0.0	0.0	0.0	0.0	0.0	14.2	15.0	
BILLING DEMAND:	15.0	15.1	13.9	12.6	0.0	0.0	0.0	0.0	0.0	0.0	14.2	15.0	
ENERGY CHGS(\$):	2403	1997	1932	1826	0	0	0	0	0	0	1855	2287	12300
DEMAND CHGS(\$):	11	11	10	9	0	0	0	0	0	0	10	11	60
TOTAL CHGS(\$):	2414	2008	1941	1835	0	0	0	0	0	0	1865	2297	12361
0RATE-21-ELECTRIC USE: TIME-OF-USE													
METERED ENERGY:	0	0	0	0	1138	1029	1059	1158	1042	1214	0	0	
BILLING ENERGY:	0	0	0	0	1138	1029	1059	1158	1042	1214	0	0	6640
METERED DEMAND:	0.0	0.0	0.0	0.0	10.2	9.1	9.4	10.0	9.9	10.2	0.0	0.0	
BILLING DEMAND:	0.0	0.0	0.0	0.0	10.2	9.1	9.4	10.0	9.9	10.2	0.0	0.0	
ENERGY CHGS(\$):	0	0	0	0	796	720	741	811	730	850	0	0	4648
DEMAND CHGS(\$):	0	0	0	0	7	6	7	7	7	7	0	0	41
TOTAL CHGS(\$):	0	0	0	0	804	727	748	818	737	857	0	0	4689
0RATE-31-ELECTRIC USE: TIME-OF-USE													
METERED ENERGY:	0	0	0	0	2496	2514	2731	2698	2484	2647	0	0	
BILLING ENERGY:	0	0	0	0	2496	2514	2731	2698	2484	2647	0	0	15569
METERED DEMAND:	0.0	0.0	0.0	0.0	12.1	12.6	13.4	13.5	12.4	11.9	0.0	0.0	
BILLING DEMAND:	0.0	0.0	0.0	0.0	12.1	12.6	13.4	13.5	12.4	11.9	0.0	0.0	
ENERGY CHGS(\$):	0	0	0	0	1747	1760	1912	1889	1739	1853	0	0	10898
DEMAND CHGS(\$):	0	0	0	0	8	9	9	9	9	8	0	0	53
TOTAL CHGS(\$):	0	0	0	0	1755	1768	1921	1898	1747	1861	0	0	10951
0RATE-41-ELECTRIC USE: TIME-OF-USE													
METERED ENERGY:	0	0	0	0	1470	1514	1673	1683	1471	1437	0	0	
BILLING ENERGY:	0	0	0	0	1470	1514	1673	1683	1471	1437	0	0	9247
METERED DEMAND:	0.0	0.0	0.0	0.0	12.4	13.1	13.6	14.3	12.5	11.7	0.0	0.0	
BILLING DEMAND:	0.0	0.0	0.0	0.0	12.4	13.1	13.6	14.3	12.5	11.7	0.0	0.0	
ENERGY CHGS(\$):	0	0	0	0	1029	1059	1171	1178	1030	1006	0	0	6473
DEMAND CHGS(\$):	0	0	0	0	9	9	10	10	9	8	0	0	54
TOTAL CHGS(\$):	0	0	0	0	1038	1069	1180	1188	1038	1014	0	0	6527
0RATE-51-ELECTRIC USE: TIME-OF-USE													
METERED ENERGY:	1736	1489	1444	1363	0	0	0	0	0	0	1550	1710	
BILLING ENERGY:	1736	1489	1444	1363	0	0	0	0	0	0	1550	1710	9292
METERED DEMAND:	14.7	14.7	13.4	12.5	0.0	0.0	0.0	0.0	0.0	0.0	13.9	14.7	
BILLING DEMAND:	14.7	14.7	13.4	12.5	0.0	0.0	0.0	0.0	0.0	0.0	13.9	14.7	
ENERGY CHGS(\$):	1215	1042	1011	954	0	0	0	0	0	0	1085	1197	6504
DEMAND CHGS(\$):	10	10	9	9	0	0	0	0	0	0	10	10	59
TOTAL CHGS(\$):	1226	1053	1020	963	0	0	0	0	0	0	1095	1207	6563
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
TOTAL ENERGY:	7019	6045	5796	5157	5104	5056	5463	5539	4997	5297	5952	6828	68255
TOTAL CHARGES (\$):	4944	4262	4085	3637	3597	3564	3849	3904	3522	3732	4195	4810	48102

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025EDL RUN 1

REPORT- ES-E SUMMARY OF UTILITY-RATE: GAS-CO GAS

UTILITY-RATE: GAS-CO GAS

RESOURCE: NATURAL-GAS
METERS: 1 2 3 4 5DEMAND-WINDOW: HOUR
BILLING-DAY: 31100000. BTU/THERM
RATE-LIMITATION: 0.0000

RATE-QUALIFICATIONS

BLOCK-CHARGES

DEMAND-RATCHETS

MIN-MON-RATCHETS

MIN-ENERGY: 0.0
MAX-ENERGY: 0.0
MIN-DEMAND: 0.0
MAX-DEMAND: 0.0
QUALIFY-RATE: ALL-MONTHS
USE-MIN-QUAL: NO

RATE-01-NATURAL-
RATE-11-NATURAL-
RATE-21-NATURAL-
RATE-31-NATURAL-
RATE-41-NATURAL-
RATE-51-NATURAL-

0	METERED ENERGY THERM	BILLING ENERGY THERM	METERED DEMAND THERMS	BILLING DEMAND THERMS	ENERGY CHARGE (\$)	DEMAND CHARGE (\$)	ENERGY CST ADJ (\$)	TAXES (\$)	SURCHRG (\$)	FIXED CHARGE (\$)	MINIMUM CHARGE (\$)	VIRTUAL RATE (\$/UNIT)	TOTAL CHARGE (\$)
MONTH													
0 JAN	0	0	0.0	0.0	0	0	0	0	0	0	0	0.0000	0
0 FEB	0	0	0.0	0.0	0	0	0	0	0	0	0	0.0000	0
0 MAR	0	0	0.0	0.0	0	0	0	0	0	0	0	0.0000	0
0 APR	0	0	0.0	0.0	0	0	0	0	0	0	0	0.0000	0
0 MAY	0	0	0.0	0.0	0	0	0	0	0	0	0	0.0000	0
0 JUN	0	0	0.0	0.0	0	0	0	0	0	0	0	0.0000	0
0 JUL	0	0	0.0	0.0	0	0	0	0	0	0	0	0.0000	0
0 AUG	0	0	0.0	0.0	0	0	0	0	0	0	0	0.0000	0
0 SEP	0	0	0.0	0.0	0	0	0	0	0	0	0	0.0000	0
0 OCT	0	0	0.0	0.0	0	0	0	0	0	0	0	0.0000	0
0 NOV	0	0	0.0	0.0	0	0	0	0	0	0	0	0.0000	0
0 DEC	0	0	0.0	0.0	0	0	0	0	0	0	0	0.0000	0
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
TOTAL	0	0	0.0		0	0	0	0	0	0		0.0000	0

DOE-2 OUTPUT REPORT

Proposed

Proposed Building (ASHRAE 90.1 Appendix

DOE-2.1E-124 Thu Mar 27 15:27:13 2025EDL RUN 1

REPORT- ES-F BLOCK-CHARGE AND RATCHET SUMMARY FOR: GAS-CO GAS

UTILITY-RATE: GAS-CO GAS
RESOURCE: NATURAL-GAS
ENERGY-UNITS: THERM
DEMAND-UNITS: THERMS
DEMAND-WINDOW: HOUR

0

BLOCK-CHARGES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
0RATE-01-NATURAL - USE: TIME-OF-USE													
0RATE-11-NATURAL - USE: TIME-OF-USE													
0RATE-21-NATURAL - USE: TIME-OF-USE													
0RATE-31-NATURAL - USE: TIME-OF-USE													
0RATE-41-NATURAL - USE: TIME-OF-USE													
0RATE-51-NATURAL - USE: TIME-OF-USE													
	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
TOTAL CHARGES (\$):	0	0	0	0	0	0	0	0	0	0	0	0	0

DOE-2 OUTPUT REPORT

Baseline

DOE-2 UNITS TABLE

	ENGLISH	MULTIPLIED BY	GIVES	METRIC	MULTIPLIED BY	GIVES	ENGLISH
1			1.000000			1.000000	
2			1.000000			1.000000	
3	BTU		0.293000	WH		3.412969	BTU
4	BTU/HR		0.293000	WATT		3.412969	BTU/HR
5	BTU/LB-F	4183.830078	J/KG-K			0.000239	BTU/LB-F
6	BTU/HR-SQFT-F	5.674460	W/M2-K			0.176228	BTU/HR-SQFT-F
7	DEGREES		1.000000	DEGREES		1.000000	DEGREES
9	SQFT		0.092903	M2		10.763915	SQFT
10	CUFT		0.028317	M3		35.314724	CUFT
11	LB/HR		0.453592	KG/HR		2.204624	LB/HR
12	LB/CUFT	16.018459	KG/M3			0.062428	LB/CUFT
13	MPH		0.447040	M/S		2.236936	MPH
14	BTU/HR-F		0.527178	W/K		1.896893	BTU/HR-F
15	FT		0.304800	M		3.280840	FT
16	BTU/HR-FT-F		1.729600	W/M-K		0.578168	BTU/HR-FT-F
17	BTU/HR- SQFT		3.152480	WATT /M2		0.317211	BTU/HR- SQFT
18	IN		2.540000	CM		0.393701	IN
19	UNITS/IN		0.393700	UNITS/CM		2.540005	UNITS/IN
20	UNITS		1.000000	UNITS		1.000000	UNITS
21	LB		0.453592	KG		2.204624	LB
22	FRAC.OR MULT.		1.000000	FRAC.OR MULT.		1.000000	FRAC.OR MULT.
23	HOURS		1.000000	HRS		1.000000	HOURS
24	PERCENT-RH		1.000000	PERCENT-RH		1.000000	PERCENT-RH
25	CFM		1.699010	M3/H		0.588578	CFM
26	IN-WATER	25.400000	MM-WATER			0.039370	IN-WATER
27	LB/SQFT		4.882400	KG/M2		0.204817	LB/SQFT
28	KW		1.000000	KW		1.000000	KW
29	W/SQFT		10.763920	W/M2		0.092903	W/SQFT
30	THERMS		25.000000	THERMIES		0.040000	THERMS
31	KNOTS		0.514440	M/SEC		1.943861	KNOTS
32	HR-SQFT-F /BTU		0.176228	M2-K /W		5.674467	HR-SQFT-F /BTU
33	\$DOLLARS		1.000000	\$DOLLARS		1.000000	\$DOLLARS
34	MBTU/HR		0.293000	MWATT		3.412969	MBTU/HR
35	YEARS		1.000000	YEARS		1.000000	YEARS
36	\$/HR		1.000000	\$/HR		1.000000	\$/HR
37	HRS/YEARS		1.000000	HRS/YEARS		1.000000	HRS/YEARS
38	PERCENT		1.000000	PERCENT		1.000000	PERCENT
39	\$/MONTH		1.000000	\$/MONTH		1.000000	\$/MONTH
40	GALLONS/MIN/TON		1.078000	LITERS/MIN/KW		0.927644	GALLONS/MIN/TON
41	BTU/LB		0.645683	WH/KG		1.548748	BTU/LB
42	LBS/SQIN-GAGE	68.947571	MBAR-GAGE			0.014504	LBS/SQIN-GAGE
43	\$/UNIT		1.000000	\$/UNIT		1.000000	\$/UNIT
44	BTU/HR/PERSON		0.293000	W/PERSON		3.412969	BTU/HR/PERSON
45	LBS/LB		1.000000	KGS/KG		1.000000	LBS/LB
46	BTU/BTU		1.000000	KWH/KWH		1.000000	BTU/BTU
47	LBS/KW		0.453590	KG/KW		2.204634	LBS/KW
48	REV/MIN		1.000000	REV/MIN		1.000000	REV/MIN
49	KW/TON		1.000000	KW/TON		1.000000	KW/TON
50	MBTU		0.293000	MWH		3.412969	MBTU
51	GAL		3.785410	LITER		0.264172	GAL
52	GAL/MIN		3.785410	LITERS/MIN		0.264172	GAL/MIN
53	BTU/F	1897.800049	J/K			0.000527	BTU/F
54	UNITS/HR		1.000000	UNITS/HR		1.000000	UNITS/HR
55	\$/UNIT-HR		1.000000	\$/UNIT-HR		1.000000	\$/UNIT-HR
56	KW/CFM		0.588500	KW/M3/HR		1.699235	KW/CFM
57	BTU/SQFT-F	20428.400391	J/M2-K			0.000049	BTU/SQFT-F
58	HR/HR		1.000000	HR/HR		1.000000	HR/HR
59	BTU/FT-F	6226.479980	J/M-K			0.000161	BTU/FT-F
60	R		0.555556	K		1.799999	R
61	INCH MER		33.863800	MBAR		0.029530	INCH MER
62	UNITS/GAL/MIN		0.264170	UNITS/LITER/MIN		3.785441	UNITS/GAL/MIN
63	(HR-SQFT-F/BTU)2		0.031056	(M2-K /W)2		32.199585	(HR-SQFT-F/BTU)2
64	KBTU/HR		0.293000	KW		3.412969	KBTU/HR
65	KBTU		0.293000	KWH		3.412969	KBTU
66	CFM		0.471900	L/S		2.119093	CFM
67	CFM/SQFT		18.288000	M3/H-M2		0.054681	CFM/SQFT
68	1/R		1.799900	1/K		0.555586	1/R
69	1/KNOT		1.943860	SEC/M		0.514440	1/KNOT
70	FOOTCANDLES		10.763910	LUX		0.092903	FOOTCANDLES
71	FOOTLAMBERT		3.426259	CANDELA/M2		0.291864	FOOTLAMBERT
72	LUMEN / WATT		1.000000	LUMEN / WATT		1.000000	LUMEN / WATT
73	KBTU/SQFT-YR		3.152480	KWH/M2-YR		0.317211	KBTU/SQFT-YR

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LV-C DETAILS OF SPACE

1-Fitness/Meetin

WEATHER FILE- SEATTLE SEATTLE-T WA

DATA FOR SPACE 1-Fitness/Meetin

LOCATION OF ORIGIN IN
BUILDING COORDINATES

XB (FT)	YB (FT)	ZB (FT)	SPACE AZIMUTH (DEG)	SPACE*FLOOR MULTIPLIER	HEIGHT (FT)	AREA (SQFT)	VOLUME (CUFT)
0.00	0.00	0.00	0.00	1.0	8.00	1084.00	8672.00

TOTAL NUMBER OF SURFACES	NUMBER OF EXTERIOR SURFACES	NUMBER OF INTERIOR SURFACES	NUMBER OF UNDERGROUND SURFACES	DAYLIGHTING	SUNSPACE
5	4	0	1	NO	NO

NUMBER OF SUBSURFACES

TOTAL	EXTERIOR WINDOWS	DOORS	INTERIOR WINDOWS
3	3	0	0

FLOOR WEIGHT (LB/SQFT)	CALCULATION TEMPERATURE (F)
91.3	72.0

INFILTRATION

SCHEDULE	INFILTRATION CALCULATION METHOD	FLOW RATE (CFM/SQFT)	AIR CHANGES PER HOUR	HEIGHT TO NEUTRAL ZONE (FT)
	AIR-CHANGE	0.00	0.00	0.0

PEOPLE

SCHEDULE	NUMBER	AREA PER PERSON (SQFT)	PEOPLE ACTIVITY (BTU/HR)	PEOPLE SENSIBLE (BTU/HR)	PEOPLE LATENT (BTU/HR)
SCHED-186	7.0	154.9	0.0	255.0	875.0

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LV-C DETAILS OF SPACE

1-Fitness/Meetin

WEATHER FILE- SEATTLE SEATTLE-T WA

----- (CONTINUED) -----

LIGHTING

SCHEDULE	LIGHTING TYPE	LOAD (WATTS/ SQFT)	LOAD (KW)	FRACTION OF LOAD TO SPACE
SCHED-187	REC-FLUOR-NV	0.70	0.00	1.00

TASK LIGHTING

SCHEDULE	LOAD (WATTS/ SQFT)	LOAD (KW)
SCHED-187	0.00	0.

ELECTRICAL EQUIPMENT

SCHEDULE	ELEC LOAD (WATTS/ SQFT)	ELEC LOAD (KW)	FRACTION OF LOAD TO SPACE SENSIBLE	LATENT
SCHED-188	1.50	0.00	1.00	0.00

EXTERIOR SURFACES (U-VALUE EXCLUDES OUTSIDE AIR FILM)

SURFACE	MULTIPLIER	AREA (SQFT)	WIDTH (FT)	HEIGHT (FT)	CONSTRUCTION	U-VALUE (BTU/HR-SQFT-F)	SURFACE TYPE
	1.0	340.00	42.50	8.00	Wall-3	0.127	QUICK
	1.0	438.00	54.75	8.00	Wall-3	0.127	QUICK
	1.0	269.04	33.63	8.00	Wall-3	0.127	QUICK
	1.0	1083.73	32.92	32.92	Roof-5	0.064	QUICK

SURFACE	AZIMUTH (DEG)	TILT (DEG)	LOCATION OF ORIGIN IN BUILDING COORDINATES			LOCATION OF ORIGIN IN SPACE COORDINATES		
			XB (FT)	YB (FT)	ZB (FT)	X (FT)	Y (FT)	Z (FT)
	0.0	90.0	0.00	0.00	0.00	0.00	0.00	0.00
	90.0	90.0	0.00	0.00	0.00	0.00	0.00	0.00
	270.0	90.0	0.00	0.00	0.00	0.00	0.00	0.00
	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

UNDERGROUND SURFACES (U-VALUE INCLUDES INSIDE AIR FILM)

SURFACE	MULTIPLIER	AREA (SQFT)	CONSTRUCTION	U-VALUE (BTU/HR-SQFT-F)
	1.0	1084.00	Slab-4	0.74

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LV-C DETAILS OF SPACE

1-Fitness/Meetin

WEATHER FILE- SEATTLE SEATTLE-T WA

----- (CONTINUED) -----

EXTERIOR WINDOWS (U-VALUE INCLUDES OUTSIDE AIR FILM)

WINDOW	MULTIPLIER	GLASS AREA (SQFT)	GLASS SHADING COEFF	NUMBER OF PANES	GLASS TYPE CODE	SET- BACK (FT)	GLASS WIDTH (FT)	GLASS HEIGHT (FT)	CENTER-OF- GLASS U-VALUE (BTU/HR-SQFT-F)	GLASS VISIBLE TRANS
	1.0	163.01	0.45	1	1	0.00	24.44	6.67	0.570	0.900
	1.0	136.00	0.45	1	1	0.00	20.39	6.67	0.570	0.900
	1.0	93.98	0.45	1	1	0.00	14.09	6.67	0.570	0.900

WINDOW	LOCATED IN SURFACE	LOCATION OF ORIGIN IN BUILDING COORDINATES			LOCATION OF ORIGIN IN SURFACE COORDINATES	
		XB (FT)	YB (FT)	ZB (FT)	X (FT)	Y (FT)
		0.00	0.00	0.00	0.00	0.00
		0.00	0.00	0.00	0.00	0.00
		0.00	0.00	0.00	0.00	0.00

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LV-C DETAILS OF SPACE

2-Gathering

WEATHER FILE- SEATTLE SEATTLE-T WA

DATA FOR SPACE 2-Gathering

LOCATION OF ORIGIN IN
BUILDING COORDINATES

XB (FT)	YB (FT)	ZB (FT)	SPACE AZIMUTH (DEG)	SPACE*FLOOR MULTIPLIER	HEIGHT (FT)	AREA (SQFT)	VOLUME (CUFT)
0.00	0.00	0.00	0.00	1.0	8.00	2128.00	17024.00

TOTAL NUMBER OF SURFACES	NUMBER OF EXTERIOR SURFACES	NUMBER OF INTERIOR SURFACES	NUMBER OF UNDERGROUND SURFACES	DAYLIGHTING	SUNSPACE
5	4	0	1	NO	NO

NUMBER OF SUBSURFACES

TOTAL	EXTERIOR WINDOWS	DOORS	INTERIOR WINDOWS
3	3	0	0

FLOOR WEIGHT (LB/SQFT)	CALCULATION TEMPERATURE (F)
91.3	72.0

INFILTRATION

SCHEDULE	INFILTRATION CALCULATION METHOD	FLOW RATE (CFM/SQFT)	AIR CHANGES PER HOUR	HEIGHT TO NEUTRAL ZONE (FT)
	AIR-CHANGE	0.00	0.00	0.0

PEOPLE

SCHEDULE	NUMBER	AREA PER PERSON (SQFT)	PEOPLE ACTIVITY (BTU/HR)	PEOPLE SENSIBLE (BTU/HR)	PEOPLE LATENT (BTU/HR)
SCHED-186	21.3	100.0	0.0	250.0	200.0

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LV-C DETAILS OF SPACE

2-Gathering

WEATHER FILE- SEATTLE SEATTLE-T WA

----- (CONTINUED) -----

LIGHTING

SCHEDULE	LIGHTING TYPE	LOAD (WATTS/ SQFT)	LOAD (KW)	FRACTION OF LOAD TO SPACE
SCHED-187	REC-FLUOR-NV	0.70	0.00	1.00

TASK LIGHTING

SCHEDULE	LOAD (WATTS/ SQFT)	LOAD (KW)
SCHED-187	0.00	0.

ELECTRICAL EQUIPMENT

SCHEDULE	ELEC LOAD (WATTS/ SQFT)	ELEC LOAD (KW)	FRACTION OF LOAD TO SPACE	
			SENSIBLE	LATENT
SCHED-188	1.50	0.00	1.00	0.00

EXTERIOR SURFACES (U-VALUE EXCLUDES OUTSIDE AIR FILM)

SURFACE	MULTIPLIER	AREA (SQFT)	WIDTH (FT)	HEIGHT (FT)	CONSTRUCTION	U-VALUE	SURFACE TYPE
						(BTU/HR-SQFT-F)	
	1.0	501.04	62.63	8.00	Wall-3	0.127	QUICK
	1.0	517.04	64.63	8.00	Wall-3	0.127	QUICK
	1.0	691.04	86.38	8.00	Wall-3	0.127	QUICK
	1.0	638.07	25.26	25.26	Roof-5	0.064	QUICK

SURFACE	AZIMUTH (DEG)	TILT (DEG)	LOCATION OF ORIGIN IN BUILDING COORDINATES			LOCATION OF ORIGIN IN SPACE COORDINATES		
			XB (FT)	YB (FT)	ZB (FT)	X (FT)	Y (FT)	Z (FT)
	90.0	90.0	0.00	0.00	0.00	0.00	0.00	0.00
	180.0	90.0	0.00	0.00	0.00	0.00	0.00	0.00
	270.0	90.0	0.00	0.00	0.00	0.00	0.00	0.00
	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

UNDERGROUND SURFACES (U-VALUE INCLUDES INSIDE AIR FILM)

SURFACE	MULTIPLIER	AREA (SQFT)	CONSTRUCTION	U-VALUE
				(BTU/HR-SQFT-F)
	1.0	2128.00	Slab-4	0.74

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LV-C DETAILS OF SPACE

2-Gathering

WEATHER FILE- SEATTLE SEATTLE-T WA

----- (CONTINUED) -----

EXTERIOR WINDOWS (U-VALUE INCLUDES OUTSIDE AIR FILM)

WINDOW	MULTIPLIER	GLASS AREA (SQFT)	GLASS SHADING COEFF	NUMBER OF PANES	GLASS TYPE CODE	SET- BACK (FT)	GLASS WIDTH (FT)	GLASS HEIGHT (FT)	CENTER-OF- GLASS U-VALUE (BTU/HR-SQFT-F)	GLASS VISIBLE TRANS
	1.0	104.99	0.45	1	1	0.00	15.74	6.67	0.570	0.900
	1.0	196.03	0.45	1	1	0.00	29.39	6.67	0.570	0.900
	1.0	178.02	0.45	1	1	0.00	26.69	6.67	0.570	0.900

WINDOW	LOCATED IN SURFACE	LOCATION OF ORIGIN IN BUILDING COORDINATES			LOCATION OF ORIGIN IN SURFACE COORDINATES	
		XB (FT)	YB (FT)	ZB (FT)	X (FT)	Y (FT)
		0.00	0.00	0.00	0.00	0.00
		0.00	0.00	0.00	0.00	0.00
		0.00	0.00	0.00	0.00	0.00

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LV-C DETAILS OF SPACE

3-Leasing

WEATHER FILE- SEATTLE SEATTLE-T WA

DATA FOR SPACE 3-Leasing

LOCATION OF ORIGIN IN
BUILDING COORDINATES

XB (FT)	YB (FT)	ZB (FT)	SPACE AZIMUTH (DEG)	SPACE*FLOOR MULTIPLIER	HEIGHT (FT)	AREA (SQFT)	VOLUME (CUFT)
0.00	0.00	0.00	0.00	1.0	8.00	215.00	1720.00

TOTAL NUMBER OF SURFACES	NUMBER OF EXTERIOR SURFACES	NUMBER OF INTERIOR SURFACES	NUMBER OF UNDERGROUND SURFACES	DAYLIGHTING	SUNSPACE
4	3	0	1	NO	NO

NUMBER OF SUBSURFACES

TOTAL	EXTERIOR WINDOWS	DOORS	INTERIOR WINDOWS
2	2	0	0

FLOOR WEIGHT (LB/SQFT)	CALCULATION TEMPERATURE (F)
91.3	72.0

INFILTRATION

SCHEDULE	INFILTRATION CALCULATION METHOD	FLOW RATE (CFM/SQFT)	AIR CHANGES PER HOUR	HEIGHT TO NEUTRAL ZONE (FT)
	AIR-CHANGE	0.00	0.00	0.0

PEOPLE

SCHEDULE	NUMBER	AREA PER PERSON (SQFT)	PEOPLE ACTIVITY (BTU/HR)	PEOPLE SENSIBLE (BTU/HR)	PEOPLE LATENT (BTU/HR)
SCHED-186	2.0	107.0	0.0	250.0	200.0

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LV-C DETAILS OF SPACE

3-Leasing

WEATHER FILE- SEATTLE SEATTLE-T WA

----- (CONTINUED) -----

LIGHTING

SCHEDULE	LIGHTING TYPE	LOAD (WATTS/ SQFT)	LOAD (KW)	FRACTION OF LOAD TO SPACE
SCHED-187	REC-FLUOR-NV	1.00	0.00	1.00

TASK LIGHTING

SCHEDULE	LOAD (WATTS/ SQFT)	LOAD (KW)
SCHED-187	0.00	0.

ELECTRICAL EQUIPMENT

SCHEDULE	ELEC LOAD (WATTS/ SQFT)	ELEC LOAD (KW)	FRACTION OF LOAD TO SPACE SENSIBLE	LATENT
SCHED-188	1.50	0.00	1.00	0.00

EXTERIOR SURFACES (U-VALUE EXCLUDES OUTSIDE AIR FILM)

SURFACE	MULTIPLIER	AREA (SQFT)	WIDTH (FT)	HEIGHT (FT)	CONSTRUCTION	U-VALUE (BTU/HR-SQFT-F)	SURFACE TYPE
	1.0	176.00	22.00	8.00	Wall-3	0.127	QUICK
	1.0	135.04	16.88	8.00	Wall-3	0.127	QUICK
	1.0	214.92	14.66	14.66	Roof-5	0.064	QUICK

SURFACE	AZIMUTH (DEG)	TILT (DEG)	LOCATION OF ORIGIN IN BUILDING COORDINATES			LOCATION OF ORIGIN IN SPACE COORDINATES		
			XB (FT)	YB (FT)	ZB (FT)	X (FT)	Y (FT)	Z (FT)
	0.0	90.0	0.00	0.00	0.00	0.00	0.00	0.00
	270.0	90.0	0.00	0.00	0.00	0.00	0.00	0.00
	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

UNDERGROUND SURFACES (U-VALUE INCLUDES INSIDE AIR FILM)

SURFACE	MULTIPLIER	AREA (SQFT)	CONSTRUCTION	U-VALUE (BTU/HR-SQFT-F)
	1.0	215.00	Slab-4	0.74

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LV-C DETAILS OF SPACE

3-Leasing

WEATHER FILE- SEATTLE SEATTLE-T WA

----- (CONTINUED) -----

EXTERIOR WINDOWS (U-VALUE INCLUDES OUTSIDE AIR FILM)

WINDOW	MULTIPLIER	GLASS AREA (SQFT)	GLASS SHADING COEFF	NUMBER OF PANES	GLASS TYPE CODE	SET- BACK (FT)	GLASS WIDTH (FT)	GLASS HEIGHT (FT)	CENTER-OF- GLASS U-VALUE (BTU/HR-SQFT-F)	GLASS VISIBLE TRANS
	1.0	78.97	0.45	1	1	0.00	11.84	6.67	0.570	0.900
	1.0	42.02	0.45	1	1	0.00	6.30	6.67	0.570	0.900

WINDOW	LOCATED IN SURFACE	LOCATION OF ORIGIN IN BUILDING COORDINATES			LOCATION OF ORIGIN IN SURFACE COORDINATES	
		XB (FT)	YB (FT)	ZB (FT)	X (FT)	Y (FT)
		0.00	0.00	0.00	0.00	0.00
		0.00	0.00	0.00	0.00	0.00

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LV-C DETAILS OF SPACE

4-Apartment

WEATHER FILE- SEATTLE SEATTLE-T WA

DATA FOR SPACE 4-Apartment

LOCATION OF ORIGIN IN
BUILDING COORDINATES

XB (FT)	YB (FT)	ZB (FT)	SPACE AZIMUTH (DEG)	SPACE*FLOOR MULTIPLIER	HEIGHT (FT)	AREA (SQFT)	VOLUME (CUFT)
0.00	0.00	0.00	0.00	1.0	8.00	1547.00	12376.00

TOTAL NUMBER OF SURFACES	NUMBER OF EXTERIOR SURFACES	NUMBER OF INTERIOR SURFACES	NUMBER OF UNDERGROUND SURFACES	DAYLIGHTING	SUNSPACE
5	5	0	0	NO	NO

NUMBER OF SUBSURFACES

TOTAL	EXTERIOR WINDOWS	DOORS	INTERIOR WINDOWS
4	4	0	0

FLOOR WEIGHT (LB/SQFT)	CALCULATION TEMPERATURE (F)
68.0	70.0

INFILTRATION

SCHEDULE	INFILTRATION CALCULATION METHOD	FLOW RATE (CFM/SQFT)	AIR CHANGES PER HOUR	HEIGHT TO NEUTRAL ZONE (FT)
	AIR-CHANGE	0.00	0.00	0.0

PEOPLE

SCHEDULE	NUMBER	AREA PER PERSON (SQFT)	PEOPLE ACTIVITY (BTU/HR)	PEOPLE SENSIBLE (BTU/HR)	PEOPLE LATENT (BTU/HR)
SCHED-186	3.0	515.6	0.0	250.0	200.0

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LV-C DETAILS OF SPACE

4-Apartment

WEATHER FILE- SEATTLE SEATTLE-T WA

----- (CONTINUED) -----

LIGHTING

SCHEDULE	LIGHTING TYPE	LOAD (WATTS/ SQFT)	LOAD (KW)	FRACTION OF LOAD TO SPACE
SCHED-187	REC-FLUOR-NV	1.00	0.00	1.00

TASK LIGHTING

SCHEDULE	LOAD (WATTS/ SQFT)	LOAD (KW)
SCHED-187	0.00	0.

ELECTRICAL EQUIPMENT

SCHEDULE	ELEC LOAD (WATTS/ SQFT)	ELEC LOAD (KW)	FRACTION OF LOAD TO SPACE	
			SENSIBLE	LATENT
SCHED-188	0.50	0.00	1.00	0.00

EXTERIOR SURFACES (U-VALUE EXCLUDES OUTSIDE AIR FILM)

SURFACE	MULTIPLIER	AREA (SQFT)	WIDTH (FT)	HEIGHT (FT)	CONSTRUCTION	U-VALUE (BTU/HR-SQFT-F)	SURFACE TYPE
	1.0	419.04	52.38	8.00	Wall-6	0.065	QUICK
	1.0	369.04	46.13	8.00	Wall-6	0.065	QUICK
	1.0	422.00	52.75	8.00	Wall-6	0.065	QUICK
	1.0	369.04	46.13	8.00	Wall-6	0.065	QUICK
	1.0	1546.85	39.33	39.33	Roof-5	0.064	QUICK

SURFACE	AZIMUTH (DEG)	TILT (DEG)	LOCATION OF ORIGIN IN BUILDING COORDINATES			LOCATION OF ORIGIN IN SPACE COORDINATES		
			XB (FT)	YB (FT)	ZB (FT)	X (FT)	Y (FT)	Z (FT)
	0.0	90.0	0.00	0.00	0.00	0.00	0.00	0.00
	90.0	90.0	0.00	0.00	0.00	0.00	0.00	0.00
	180.0	90.0	0.00	0.00	0.00	0.00	0.00	0.00
	270.0	90.0	0.00	0.00	0.00	0.00	0.00	0.00
	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LV-C DETAILS OF SPACE

4-Apartment

WEATHER FILE- SEATTLE SEATTLE-T WA

----- (CONTINUED) -----

EXTERIOR WINDOWS (U-VALUE INCLUDES OUTSIDE AIR FILM)

WINDOW	MULTIPLIER	GLASS AREA (SQFT)	GLASS SHADING COEFF	NUMBER OF PANES	GLASS TYPE CODE	SET- BACK (FT)	GLASS WIDTH (FT)	GLASS HEIGHT (FT)	CENTER-OF- GLASS U-VALUE (BTU/HR-SQFT-F)	GLASS VISIBLE TRANS
	1.0	41.02	0.45	1	1	0.00	6.15	6.67	0.570	0.900
	1.0	79.97	0.45	1	1	0.00	11.99	6.67	0.570	0.900
	1.0	79.97	0.45	1	1	0.00	11.99	6.67	0.570	0.900
	1.0	79.97	0.45	1	1	0.00	11.99	6.67	0.570	0.900

WINDOW	LOCATED IN SURFACE	LOCATION OF ORIGIN IN BUILDING COORDINATES			LOCATION OF ORIGIN IN SURFACE COORDINATES	
		XB (FT)	YB (FT)	ZB (FT)	X (FT)	Y (FT)
		0.00	0.00	0.00	0.00	0.00
		0.00	0.00	0.00	0.00	0.00
		0.00	0.00	0.00	0.00	0.00
		0.00	0.00	0.00	0.00	0.00

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LV-D DETAILS OF EXTERIOR SURFACES IN THE PROJECT

WEATHER FILE- SEATTLE SEATTLE-T WA

NUMBER OF EXTERIOR SURFACES 16 RECTANGULAR 16 OTHER 0
 (U-VALUE INCLUDES OUTSIDE AIR FILM; WINDOW INCLUDES FRAME, IF DEFINED)

SURFACE	SPACE	- - - W I N D O W S - - -		- - - - W A L L - - -		- W A L L + W I N D O W S -		AZIMUTH
		U-VALUE (BTU/HR-SQFT-F)	AREA (SQFT)	U-VALUE (BTU/HR-SQFT-F)	AREA (SQFT)	U-VALUE (BTU/HR-SQFT-F)	AREA (SQFT)	
1-Fitness/Meetin		0.570	163.01	0.121	176.99	0.336	340.00	NORTH
3-Leasing		0.570	78.97	0.121	97.03	0.322	176.00	NORTH
4-Apartment		0.570	41.02	0.063	378.02	0.113	419.04	NORTH
1-Fitness/Meetin		0.570	136.00	0.121	302.00	0.260	438.00	EAST
2-Gathering		0.570	104.99	0.121	396.05	0.215	501.04	EAST
4-Apartment		0.570	79.97	0.063	289.07	0.173	369.04	EAST
2-Gathering		0.570	196.03	0.121	321.01	0.291	517.04	SOUTH
4-Apartment		0.570	79.97	0.063	342.03	0.159	422.00	SOUTH
2-Gathering		0.570	178.02	0.121	513.02	0.236	691.04	WEST
1-Fitness/Meetin		0.570	93.98	0.121	175.06	0.278	269.04	WEST
3-Leasing		0.570	42.02	0.121	93.02	0.260	135.04	WEST
4-Apartment		0.570	79.97	0.063	289.07	0.173	369.04	WEST
2-Gathering		0.000	0.00	0.062	638.07	0.062	638.07	ROOF
3-Leasing		0.000	0.00	0.062	214.92	0.062	214.92	ROOF
1-Fitness/Meetin		0.000	0.00	0.062	1083.73	0.062	1083.73	ROOF
4-Apartment		0.000	0.00	0.062	1546.85	0.062	1546.85	ROOF
1-Fitness/Meetin		0.000	0.00	0.735	1084.00	0.735	1084.00	UNDERGRND
2-Gathering		0.000	0.00	0.735	2128.00	0.735	2128.00	UNDERGRND
3-Leasing		0.000	0.00	0.735	215.00	0.735	215.00	UNDERGRND

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LV-D DETAILS OF EXTERIOR SURFACES IN THE PROJECT

WEATHER FILE- SEATTLE SEATTLE-T WA

----- (CONTINUED) -----

	AVERAGE U-VALUE/WINDOWS (BTU/HR-SQFT-F)	AVERAGE U-VALUE/WALLS (BTU/HR-SQFT-F)	AVERAGE U-VALUE WALLS+WINDOWS (BTU/HR-SQFT-F)	WINDOW AREA (SQFT)	WALL AREA (SQFT)	WINDOW+WALL AREA (SQFT)
NORTH	0.570	0.087	0.233	283.01	652.03	935.04
EAST	0.570	0.104	0.218	320.96	987.12	1308.08
SOUTH	0.570	0.091	0.232	276.00	663.04	939.04
WEST	0.570	0.105	0.230	394.00	1070.16	1464.16
ROOF	0.000	0.062	0.062	0.00	3483.56	3483.56
ALL WALLS	0.570	0.098	0.228	1273.97	3372.35	4646.32
WALLS+ROOFS	0.570	0.080	0.157	1273.97	6855.91	8129.88
UNDERGRND	0.000	0.735	0.735	0.00	3427.00	3427.00
BUILDING	0.570	0.298	0.328	1273.97	10282.91	11556.88

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LV-I DETAILS OF CONSTRUCTIONS OCCURRING IN THE PROJECT

WEATHER FILE- SEATTLE SEATTLE-T WA

NUMBER OF CONSTRUCTIONS 7 DELAYED 4 QUICK 3

CONSTRUCTION NAME	U-VALUE (BTU/HR-SQFT-F)	SURFACE ABSORPTANCE	SURFACE ROUGHNESS INDEX	SURFACE TYPE	NUMBER OF RESPONSE FACTORS
Wall-0	0.097	0.70	1	DELAYED	9
Slab-1	0.735	0.70	3	DELAYED	5
Roof-2	0.032	0.70	3	DELAYED	11
Wall-3	0.127	0.70	1	QUICK	0
Slab-4	0.735	0.70	3	DELAYED	5
Roof-5	0.064	0.70	3	QUICK	0
Wall-6	0.065	0.70	1	QUICK	0

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LS-A SPACE PEAK LOADS SUMMARY

WEATHER FILE- SEATTLE SEATTLE-T WA

SPACE NAME	MULTIPLIER SPACE FLOOR	COOLING LOAD (KBTU/HR)	TIME OF PEAK	DRY- BULB	WET- BULB	HEATING LOAD (KBTU/HR)	TIME OF PEAK	DRY- BULB	WET- BULB
1-Fitness/Meetin	1. 1.	18.809	JUL 24 7 PM	84.F	65.F	-13.499	FEB 19 5 AM	22.F	21.F
2-Gathering	1. 1.	33.066	AUG 10 7 PM	87.F	67.F	-12.539	FEB 19 5 AM	22.F	21.F
3-Leasing	1. 1.	5.257	AUG 10 7 PM	87.F	67.F	-3.897	FEB 19 5 AM	22.F	21.F
4-Apartment	1. 1.	19.885	AUG 10 5 PM	88.F	66.F	-13.469	FEB 19 5 AM	22.F	21.F
SUM		77.017				-43.404			
BUILDING PEAK		75.045	AUG 10 7 PM	87.F	67.F	-43.404	FEB 19 5 AM	22.F	21.F

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LS-B SPACE PEAK LOAD COMPONENTS

1-Fitness/Meetin

WEATHER FILE- SEATTLE SEATTLE-T WA

SPACE 1-Fitness/Meetin

SPACE TEMPERATURE USED FOR THE LOADS CALCULATION IS 72 F / 22 C

MULTIPLIER	1.0	FLOOR MULTIPLIER	1.0
FLOOR AREA	1084 SQFT	101 M2	
VOLUME	8672 CUFT	246 M3	

TIME	COOLING LOAD		HEATING LOAD	
	JUL 24 7PM		FEB 19 5AM	
DRY-BULB TEMP	84 F	29 C	22 F	-6 C
WET-BULB TEMP	65 F	18 C	21 F	-6 C
TOT HORIZONTAL SOLAR RAD	108 BTU/H.SQFT	340 W/M2	0 BTU/H.SQFT	0 W/M2
WINDSPEED AT SPACE	5.8 KTS	3.0 M/S	4.5 KTS	2.3 M/S
CLOUD AMOUNT 0(CLEAR)-10	7		0	

	SENSIBLE		LATENT		SENSIBLE	
	(KBTU/H)	(KW)	(KBTU/H)	(KW)	(KBTU/H)	(KW)
WALL CONDUCTION	1.996	0.585	0.000	0.000	-3.914	-1.147
ROOF CONDUCTION	2.241	0.657	0.000	0.000	-3.636	-1.065
WINDOW GLASS+FRM COND	1.556	0.456	0.000	0.000	-9.489	-2.780
WINDOW GLASS SOLAR	8.364	2.451	0.000	0.000	0.809	0.237
DOOR CONDUCTION	0.000	0.000	0.000	0.000	0.000	0.000
INTERNAL SURFACE COND	0.000	0.000	0.000	0.000	0.000	0.000
UNDERGROUND SURF COND	-0.002	0.000	0.000	0.000	-0.003	-0.001
OCCUPANTS TO SPACE	1.376	0.403	5.511	1.615	1.528	0.448
LIGHT TO SPACE	0.422	0.124	0.000	0.000	0.191	0.056
EQUIPMENT TO SPACE	2.855	0.837	0.000	0.000	1.017	0.298
PROCESS TO SPACE	0.000	0.000	0.000	0.000	0.000	0.000
INFILTRATION	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	18.809	5.511	5.511	1.615	-13.499	-3.955
TOTAL / AREA	0.017	0.055	0.005	0.016	-0.012	-0.039
TOTAL LOAD	24.320 KBTU/H		7.126 KW		-13.499 KBTU/H	-3.955 KW
TOTAL LOAD / AREA	22.44 BTU/H.SQFT		70.758 W/M2		12.453 BTU/H.SQFT	39.274 W/M2

* NOTE 1)THE ABOVE LOADS EXCLUDE OUTSIDE VENTILATION AIR *

* --- LOADS *

* 2)TIMES GIVEN IN STANDARD TIME FOR THE LOCATION *

* IN CONSIDERATION *

* 3)THE ABOVE LOADS ARE CALCULATED ASSUMING A *

* CONSTANT INDOOR SPACE TEMPERATURE *

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LS-B SPACE PEAK LOAD COMPONENTS

2-Gathering

WEATHER FILE- SEATTLE SEATTLE-T WA

SPACE 2-Gathering

SPACE TEMPERATURE USED FOR THE LOADS CALCULATION IS 72 F / 22 C

MULTIPLIER	1.0	FLOOR MULTIPLIER	1.0
FLOOR AREA	2128 SQFT	198 M2	
VOLUME	17024 CUFT	482 M3	

TIME	COOLING LOAD		HEATING LOAD	
	AUG 10	7PM	FEB 19	5AM
DRY-BULB TEMP	87 F	31 C	22 F	-6 C
WET-BULB TEMP	67 F	19 C	21 F	-6 C
TOT HORIZONTAL SOLAR RAD	84 BTU/H.SQFT	264 W/M2	0 BTU/H.SQFT	0 W/M2
WINDSPEED AT SPACE	3.2 KTS	1.6 M/S	4.5 KTS	2.3 M/S
CLOUD AMOUNT 0(CLEAR)-10	0		0	

	SENSIBLE		LATENT		SENSIBLE	
	(KBTU/H)	(KW)	(KBTU/H)	(KW)	(KBTU/H)	(KW)
WALL CONDUCTION	5.452	1.597	0.000	0.000	-7.337	-2.150
ROOF CONDUCTION	1.342	0.393	0.000	0.000	-2.141	-0.627
WINDOW GLASS+FRM COND	1.959	0.574	0.000	0.000	-11.526	-3.377
WINDOW GLASS SOLAR	13.550	3.970	0.000	0.000	1.546	0.453
DOOR CONDUCTION	0.000	0.000	0.000	0.000	0.000	0.000
INTERNAL SURFACE COND	0.000	0.000	0.000	0.000	0.000	0.000
UNDERGROUND SURF COND	-0.003	-0.001	0.000	0.000	-0.006	-0.002
OCCUPANTS TO SPACE	4.332	1.269	3.830	1.122	4.554	1.334
LIGHT TO SPACE	0.829	0.243	0.000	0.000	0.376	0.110
EQUIPMENT TO SPACE	5.605	1.642	0.000	0.000	1.996	0.585
PROCESS TO SPACE	0.000	0.000	0.000	0.000	0.000	0.000
INFILTRATION	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	33.066	9.688	3.830	1.122	-12.539	-3.674
TOTAL / AREA	0.016	0.049	0.002	0.006	-0.006	-0.019
TOTAL LOAD	36.897 KBTU/H		10.811 KW		-12.539 KBTU/H	-3.674 KW
TOTAL LOAD / AREA	17.34 BTU/H.SQFT		54.683 W/M2		5.893 BTU/H.SQFT	18.584 W/M2

* NOTE 1)THE ABOVE LOADS EXCLUDE OUTSIDE VENTILATION AIR *

* ---- LOADS *

* 2)TIMES GIVEN IN STANDARD TIME FOR THE LOCATION *

* IN CONSIDERATION *

* 3)THE ABOVE LOADS ARE CALCULATED ASSUMING A *

* CONSTANT INDOOR SPACE TEMPERATURE *

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LS-B SPACE PEAK LOAD COMPONENTS

3-Leasing

WEATHER FILE- SEATTLE SEATTLE-T WA

SPACE 3-Leasing

SPACE TEMPERATURE USED FOR THE LOADS CALCULATION IS 72 F / 22 C

MULTIPLIER	1.0	FLOOR MULTIPLIER	1.0
FLOOR AREA	215 SQFT	20 M2	
VOLUME	1720 CUFT	49 M3	

TIME	COOLING LOAD		HEATING LOAD	
	AUG 10 7PM		FEB 19 5AM	
DRY-BULB TEMP	87 F	31 C	22 F	-6 C
WET-BULB TEMP	67 F	19 C	21 F	-6 C
TOT HORIZONTAL SOLAR RAD	84 BTU/H.SQFT	264 W/M2	0 BTU/H.SQFT	0 W/M2
WINDSPEED AT SPACE	3.2 KTS	1.6 M/S	4.5 KTS	2.3 M/S
CLOUD AMOUNT 0(CLEAR)-10	0		0	

	SENSIBLE		LATENT		SENSIBLE	
	(KBTU/H)	(KW)	(KBTU/H)	(KW)	(KBTU/H)	(KW)
WALL CONDUCTION	0.875	0.256	0.000	0.000	-1.141	-0.334
ROOF CONDUCTION	0.452	0.132	0.000	0.000	-0.721	-0.211
WINDOW GLASS+FRM COND	0.490	0.144	0.000	0.000	-2.931	-0.859
WINDOW GLASS SOLAR	2.346	0.687	0.000	0.000	0.211	0.062
DOOR CONDUCTION	0.000	0.000	0.000	0.000	0.000	0.000
INTERNAL SURFACE COND	0.000	0.000	0.000	0.000	0.000	0.000
UNDERGROUND SURF COND	0.000	0.000	0.000	0.000	-0.001	0.000
OCCUPANTS TO SPACE	0.409	0.120	0.362	0.106	0.430	0.126
LIGHT TO SPACE	0.120	0.035	0.000	0.000	0.054	0.016
EQUIPMENT TO SPACE	0.566	0.166	0.000	0.000	0.202	0.059
PROCESS TO SPACE	0.000	0.000	0.000	0.000	0.000	0.000
INFILTRATION	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	5.257	1.540	0.362	0.106	-3.897	-1.142
TOTAL / AREA	0.024	0.077	0.002	0.005	-0.018	-0.057
TOTAL LOAD	5.619 KBTU/H		1.646 KW		-3.897 KBTU/H	-1.142 KW
TOTAL LOAD / AREA	26.13 BTU/H.SQFT		82.420 W/M2		18.125 BTU/H.SQFT	57.164 W/M2

* NOTE 1)THE ABOVE LOADS EXCLUDE OUTSIDE VENTILATION AIR *

* ---- LOADS *

* 2)TIMES GIVEN IN STANDARD TIME FOR THE LOCATION *

* IN CONSIDERATION *

* 3)THE ABOVE LOADS ARE CALCULATED ASSUMING A *

* CONSTANT INDOOR SPACE TEMPERATURE *

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LS-B SPACE PEAK LOAD COMPONENTS

4-Apartment

WEATHER FILE- SEATTLE SEATTLE-T WA

SPACE 4-Apartment

SPACE TEMPERATURE USED FOR THE LOADS CALCULATION IS 70 F / 21 C

MULTIPLIER	1.0	FLOOR MULTIPLIER	1.0
FLOOR AREA	1547 SQFT	144 M2	
VOLUME	12376 CUFT	350 M3	

TIME	COOLING LOAD		HEATING LOAD	
	AUG 10	5PM	FEB 19	5AM
DRY-BULB TEMP	88 F	31 C	22 F	-6 C
WET-BULB TEMP	66 F	19 C	21 F	-6 C
TOT HORIZONTAL SOLAR RAD	193 BTU/H.SQFT	608 W/M2	0 BTU/H.SQFT	0 W/M2
WINDSPEED AT SPACE	1.9 KTS	1.0 M/S	4.5 KTS	2.3 M/S
CLOUD AMOUNT 0(CLEAR)-10	0		0	

	SENSIBLE		LATENT		SENSIBLE	
	(KBTU/H)	(KW)	(KBTU/H)	(KW)	(KBTU/H)	(KW)
WALL CONDUCTION	3.242	0.950	0.000	0.000	-3.928	-1.151
ROOF CONDUCTION	6.037	1.769	0.000	0.000	-5.069	-1.485
WINDOW GLASS+FRM COND	1.387	0.406	0.000	0.000	-6.549	-1.919
WINDOW GLASS SOLAR	7.537	2.208	0.000	0.000	0.583	0.171
DOOR CONDUCTION	0.000	0.000	0.000	0.000	0.000	0.000
INTERNAL SURFACE COND	0.000	0.000	0.000	0.000	0.000	0.000
UNDERGROUND SURF COND	0.000	0.000	0.000	0.000	0.000	0.000
OCCUPANTS TO SPACE	0.400	0.117	0.300	0.088	0.650	0.190
LIGHT TO SPACE	0.464	0.136	0.000	0.000	0.379	0.111
EQUIPMENT TO SPACE	0.817	0.239	0.000	0.000	0.465	0.136
PROCESS TO SPACE	0.000	0.000	0.000	0.000	0.000	0.000
INFILTRATION	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	19.885	5.826	0.300	0.088	-13.469	-3.946
TOTAL / AREA	0.013	0.041	0.000	0.001	-0.009	-0.027
TOTAL LOAD	20.185 KBTU/H	5.914 KW			-13.469 KBTU/H	-3.946 KW
TOTAL LOAD / AREA	13.05 BTU/H.SQFT	41.150 W/M2			8.707 BTU/H.SQFT	27.459 W/M2

* NOTE 1)THE ABOVE LOADS EXCLUDE OUTSIDE VENTILATION AIR *

* ---- LOADS *

* 2)TIMES GIVEN IN STANDARD TIME FOR THE LOCATION *

* IN CONSIDERATION *

* 3)THE ABOVE LOADS ARE CALCULATED ASSUMING A *

* CONSTANT INDOOR SPACE TEMPERATURE *

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LS-C BUILDING PEAK LOAD COMPONENTS

WEATHER FILE- SEATTLE SEATTLE-T WA

*** BUILDING ***

FLOOR AREA	4974	SQFT	462	M2
VOLUME	39792	CUFT	1127	M3

TIME	COOLING LOAD		HEATING LOAD	
	AUG 10	7PM	FEB 19	5AM
DRY-BULB TEMP	87 F	31 C	22 F	-6 C
WET-BULB TEMP	67 F	19 C	21 F	-6 C
TOT HORIZONTAL SOLAR RAD	84 BTU/H.SQFT	264 W/M2	0 BTU/H.SQFT	0 W/M2
WINDSPEED AT SPACE	3.2 KTS	1.6 M/S	4.5 KTS	2.3 M/S
CLOUD AMOUNT 0(CLEAR)-10	0		0	

	SENSIBLE (KBTU/H) (KW)		LATENT (KBTU/H) (KW)		SENSIBLE (KBTU/H) (KW)	
WALL CONDUCTION	11.206	3.283	0.000	0.000	-16.320	-4.782
ROOF CONDUCTION	7.698	2.256	0.000	0.000	-11.568	-3.389
WINDOW GLASS+FRM COND	5.477	1.605	0.000	0.000	-30.496	-8.935
WINDOW GLASS SOLAR	31.260	9.159	0.000	0.000	3.149	0.923
DOOR CONDUCTION	0.000	0.000	0.000	0.000	0.000	0.000
INTERNAL SURFACE COND	0.000	0.000	0.000	0.000	0.000	0.000
UNDERGROUND SURF COND	-0.004	-0.001	0.000	0.000	-0.009	-0.003
OCCUPANTS TO SPACE	6.800	1.993	10.243	3.001	7.162	2.098
LIGHT TO SPACE	2.226	0.652	0.000	0.000	1.000	0.293
EQUIPMENT TO SPACE	10.382	3.042	0.000	0.000	3.679	1.078
PROCESS TO SPACE	0.000	0.000	0.000	0.000	0.000	0.000
INFILTRATION	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	75.045	21.988	10.243	3.001	-43.404	-12.717
TOTAL / AREA	0.015	0.048	0.002	0.006	-0.009	-0.028
TOTAL LOAD	85.288 KBTU/H	24.989 KW			-43.404 KBTU/H	-12.717 KW
TOTAL LOAD / AREA	17.15 BTU/H.SQFT	54.078 W/M2			8.726 BTU/H.SQFT	27.521 W/M2

* NOTE 1)THE ABOVE LOADS EXCLUDE OUTSIDE VENTILATION AIR *

* ---- LOADS *

* 2)TIMES GIVEN IN STANDARD TIME FOR THE LOCATION *

* IN CONSIDERATION *

* 3)THE ABOVE LOADS ARE CALCULATED ASSUMING A *

* CONSTANT INDOOR SPACE TEMPERATURE *

Baseline

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

WEATHER FILE- SEATTLE SEATTLE-T WA

EnergyPro 9.4 by EnergySoft User Number: 6394 ID: 810-010 Page 179 of 280

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LS-E SPACE MONTHLY LOAD COMPONENTS IN MBTU FOR

1-Fitness/Meetin

WEATHER FILE- SEATTLE SEATTLE-T WA

(UNITS=MBTU)		WALLS	ROOFS	INT SUR	UND SUR	INFIL	WIN CON	WIN SOL	OCCUP	LIGHTS	EQUIP	SOURCE	TOTAL
JAN	HEATNG	-1.831	-1.636	0.000	-0.002	0.000	-4.671	0.768	0.898	0.240	1.579	0.000	-4.655
	SEN CL	-0.001	-0.001	0.000	0.000	0.000	-0.004	0.001	0.001	0.000	0.004	0.000	0.000
	LAT CL					0.000			0.006		0.000	0.000	0.006
FEB	HEATNG	-1.430	-1.254	0.000	-0.002	0.000	-3.803	1.028	0.770	0.201	1.316	0.000	-3.174
	SEN CL	-0.041	-0.018	0.000	0.000	0.000	-0.170	0.137	0.045	0.016	0.113	0.000	0.082
	LAT CL					0.000			0.141		0.000	0.000	0.141
MAR	HEATNG	-1.043	-0.926	0.000	-0.002	0.000	-2.797	0.950	0.681	0.170	1.077	0.000	-1.889
	SEN CL	-0.221	-0.064	0.000	-0.001	0.000	-0.973	0.931	0.221	0.070	0.506	0.000	0.470
	LAT CL					0.000			0.711		0.000	0.000	0.711
APR	HEATNG	-0.567	-0.505	0.000	-0.001	0.000	-1.537	0.641	0.418	0.086	0.533	0.000	-0.931
	SEN CL	-0.288	-0.024	0.000	-0.001	0.000	-1.517	2.006	0.450	0.147	0.999	0.000	1.772
	LAT CL					0.000			1.509		0.000	0.000	1.509
MAY	HEATNG	-0.377	-0.335	0.000	-0.001	0.000	-1.006	0.515	0.325	0.055	0.352	0.000	-0.473
	SEN CL	-0.197	0.175	0.000	-0.001	0.000	-1.583	2.726	0.577	0.185	1.231	0.000	3.112
	LAT CL					0.000			1.947		0.000	0.000	1.947
JUN	HEATNG	-0.144	-0.135	0.000	0.000	0.000	-0.387	0.230	0.151	0.021	0.136	0.000	-0.128
	SEN CL	-0.112	0.258	0.000	-0.001	0.000	-1.508	3.193	0.720	0.211	1.396	0.000	4.157
	LAT CL					0.000			2.448		0.000	0.000	2.448
JUL	HEATNG	-0.051	-0.050	0.000	0.000	0.000	-0.137	0.093	0.063	0.008	0.050	0.000	-0.024
	SEN CL	0.031	0.411	0.000	-0.001	0.000	-1.294	3.507	0.836	0.232	1.532	0.000	5.255
	LAT CL					0.000			2.859		0.000	0.000	2.859
AUG	HEATNG	-0.067	-0.066	0.000	0.000	0.000	-0.177	0.101	0.084	0.012	0.074	0.000	-0.040
	SEN CL	0.092	0.322	0.000	-0.001	0.000	-0.981	3.024	0.818	0.228	1.509	0.000	5.011
	LAT CL					0.000			2.796		0.000	0.000	2.796
SEP	HEATNG	-0.291	-0.295	0.000	0.000	0.000	-0.747	0.332	0.302	0.052	0.341	0.000	-0.306
	SEN CL	-0.094	0.077	0.000	-0.001	0.000	-1.230	1.994	0.570	0.180	1.191	0.000	2.687
	LAT CL					0.000			1.932		0.000	0.000	1.932
OCT	HEATNG	-0.771	-0.712	0.000	-0.001	0.000	-2.047	0.644	0.600	0.142	0.894	0.000	-1.250
	SEN CL	-0.218	-0.122	0.000	0.000	0.000	-0.952	0.960	0.299	0.098	0.688	0.000	0.753
	LAT CL					0.000			1.003		0.000	0.000	1.003
NOV	HEATNG	-1.336	-1.192	0.000	-0.001	0.000	-3.481	0.739	0.819	0.211	1.385	0.000	-2.857
	SEN CL	-0.044	-0.031	0.000	0.000	0.000	-0.166	0.111	0.062	0.021	0.147	0.000	0.099
	LAT CL					0.000			0.214		0.000	0.000	0.214
DEC	HEATNG	-1.742	-1.607	0.000	-0.002	0.000	-4.423	0.706	0.899	0.240	1.583	0.000	-4.345
	SEN CL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	LAT CL					0.000			0.000		0.000	0.000	0.000
TOT	HEATNG	-9.651	-8.712	0.000	-0.011	0.000	-25.213	6.747	6.009	1.438	9.320	0.000	-20.072
	SEN CL	-1.092	0.982	0.000	-0.008	0.000	-10.377	18.588	4.601	1.388	9.316	0.000	23.398
	LAT CL					0.000			15.565		0.000	0.000	15.565

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LS-E SPACE MONTHLY LOAD COMPONENTS IN MBTU FOR 2-Gathering

WEATHER FILE- SEATTLE SEATTLE-T WA

(UNITS=MBTU)		WALLS	ROOFS	INT SUR	UND SUR	INFIL	WIN CON	WIN SOL	OCCUP	LIGHTS	EQUIP	SOURCE	TOTAL
JAN	HEATNG	-2.671	-0.769	0.000	-0.003	0.000	-4.471	1.097	2.050	0.327	2.103	0.000	-2.336
	SEN CL	-0.644	-0.195	0.000	-0.001	0.000	-1.238	0.635	0.631	0.144	1.005	0.000	0.337
	LAT CL					0.000			0.530		0.000	0.000	0.530
FEB	HEATNG	-1.691	-0.483	0.000	-0.002	0.000	-2.845	0.855	1.360	0.195	1.259	0.000	-1.352
	SEN CL	-0.906	-0.266	0.000	-0.002	0.000	-1.987	1.660	1.070	0.230	1.547	0.000	1.347
	LAT CL					0.000			0.854		0.000	0.000	0.854
MAR	HEATNG	-1.053	-0.302	0.000	-0.001	0.000	-1.771	0.600	1.013	0.119	0.771	0.000	-0.624
	SEN CL	-1.140	-0.281	0.000	-0.003	0.000	-2.812	2.872	1.677	0.352	2.337	0.000	3.002
	LAT CL					0.000			1.329		0.000	0.000	1.329
APR	HEATNG	-0.490	-0.139	0.000	-0.001	0.000	-0.820	0.309	0.517	0.053	0.338	0.000	-0.233
	SEN CL	-0.978	-0.172	0.000	-0.003	0.000	-2.901	3.971	2.070	0.403	2.670	0.000	5.060
	LAT CL					0.000			1.641		0.000	0.000	1.641
MAY	HEATNG	-0.162	-0.045	0.000	0.000	0.000	-0.269	0.105	0.193	0.018	0.108	0.000	-0.053
	SEN CL	-0.797	-0.050	0.000	-0.003	0.000	-2.882	4.729	2.497	0.453	2.999	0.000	6.946
	LAT CL					0.000			1.992		0.000	0.000	1.992
JUN	HEATNG	-0.004	-0.001	0.000	0.000	0.000	-0.006	0.003	0.005	0.000	0.002	0.000	0.000
	SEN CL	-0.422	0.074	0.000	-0.003	0.000	-2.301	4.742	2.593	0.456	3.005	0.000	8.143
	LAT CL					0.000			2.074		0.000	0.000	2.074
JUL	HEATNG	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	SEN CL	0.092	0.213	0.000	-0.002	0.000	-1.732	5.271	2.680	0.471	3.107	0.000	10.100
	LAT CL					0.000			2.144		0.000	0.000	2.144
AUG	HEATNG	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	SEN CL	0.194	0.151	0.000	-0.002	0.000	-1.399	4.863	2.689	0.471	3.107	0.000	10.074
	LAT CL					0.000			2.152		0.000	0.000	2.152
SEP	HEATNG	-0.030	-0.010	0.000	0.000	0.000	-0.045	0.014	0.036	0.003	0.020	0.000	-0.011
	SEN CL	-0.422	-0.119	0.000	-0.002	0.000	-2.336	4.211	2.561	0.453	2.987	0.000	7.334
	LAT CL					0.000			2.047		0.000	0.000	2.047
OCT	HEATNG	-0.519	-0.153	0.000	0.000	0.000	-0.853	0.260	0.592	0.068	0.426	0.000	-0.179
	SEN CL	-1.147	-0.338	0.000	-0.002	0.000	-2.795	3.044	2.088	0.403	2.680	0.000	3.934
	LAT CL					0.000			1.662		0.000	0.000	1.662
NOV	HEATNG	-1.502	-0.433	0.000	-0.001	0.000	-2.492	0.574	1.372	0.194	1.237	0.000	-1.052
	SEN CL	-0.960	-0.288	0.000	-0.001	0.000	-1.959	1.223	1.254	0.262	1.770	0.000	1.301
	LAT CL					0.000			1.010		0.000	0.000	1.010
DEC	HEATNG	-2.439	-0.719	0.000	-0.002	0.000	-3.962	0.815	1.957	0.306	1.954	0.000	-2.091
	SEN CL	-0.687	-0.227	0.000	-0.001	0.000	-1.433	0.898	0.724	0.165	1.153	0.000	0.593
	LAT CL					0.000			0.591		0.000	0.000	0.591
TOT	HEATNG	-10.560	-3.054	0.000	-0.012	0.000	-17.533	4.633	9.095	1.283	8.216	0.000	-7.931
	SEN CL	-7.816	-1.497	0.000	-0.025	0.000	-25.776	38.119	22.534	4.265	28.367	0.000	58.170
	LAT CL					0.000			18.026		0.000	0.000	18.026

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LS-E SPACE MONTHLY LOAD COMPONENTS IN MBTU FOR 3-Leasing

WEATHER FILE- SEATTLE SEATTLE-T WA

(UNITS=MBTU)		WALLS	ROOFS	INT SUR	UND SUR	INFIL	WIN CON	WIN SOL	OCCUP	LIGHTS	EQUIP	SOURCE	TOTAL
JAN	HEATNG	-0.537	-0.325	0.000	0.000	0.000	-1.441	0.213	0.253	0.068	0.314	0.000	-1.455
	SEN CL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	LAT CL					0.000			0.000		0.000	0.000	0.000
FEB	HEATNG	-0.431	-0.251	0.000	0.000	0.000	-1.198	0.287	0.222	0.059	0.272	0.000	-1.040
	SEN CL	-0.005	-0.001	0.000	0.000	0.000	-0.027	0.025	0.007	0.003	0.012	0.000	0.014
	LAT CL					0.000			0.005		0.000	0.000	0.005
MAR	HEATNG	-0.353	-0.193	0.000	0.000	0.000	-1.002	0.342	0.218	0.057	0.258	0.000	-0.674
	SEN CL	-0.030	-0.003	0.000	0.000	0.000	-0.161	0.158	0.036	0.011	0.056	0.000	0.067
	LAT CL					0.000			0.027		0.000	0.000	0.027
APR	HEATNG	-0.210	-0.113	0.000	0.000	0.000	-0.602	0.255	0.145	0.034	0.150	0.000	-0.341
	SEN CL	-0.063	0.008	0.000	0.000	0.000	-0.341	0.442	0.099	0.032	0.154	0.000	0.331
	LAT CL					0.000			0.078		0.000	0.000	0.078
MAY	HEATNG	-0.125	-0.073	0.000	0.000	0.000	-0.358	0.189	0.105	0.019	0.086	0.000	-0.157
	SEN CL	-0.060	0.041	0.000	0.000	0.000	-0.441	0.723	0.149	0.049	0.228	0.000	0.688
	LAT CL					0.000			0.118		0.000	0.000	0.118
JUN	HEATNG	-0.050	-0.031	0.000	0.000	0.000	-0.142	0.084	0.051	0.008	0.035	0.000	-0.045
	SEN CL	-0.054	0.055	0.000	0.000	0.000	-0.443	0.839	0.194	0.058	0.268	0.000	0.918
	LAT CL					0.000			0.154		0.000	0.000	0.154
JUL	HEATNG	-0.017	-0.011	0.000	0.000	0.000	-0.048	0.033	0.020	0.003	0.013	0.000	-0.008
	SEN CL	-0.008	0.083	0.000	0.000	0.000	-0.393	0.983	0.233	0.065	0.301	0.000	1.264
	LAT CL					0.000			0.186		0.000	0.000	0.186
AUG	HEATNG	-0.024	-0.016	0.000	0.000	0.000	-0.067	0.037	0.029	0.004	0.020	0.000	-0.016
	SEN CL	0.003	0.067	0.000	0.000	0.000	-0.291	0.783	0.225	0.064	0.294	0.000	1.143
	LAT CL					0.000			0.179		0.000	0.000	0.179
SEP	HEATNG	-0.099	-0.066	0.000	0.000	0.000	-0.274	0.122	0.099	0.019	0.086	0.000	-0.113
	SEN CL	-0.031	0.023	0.000	0.000	0.000	-0.336	0.504	0.146	0.047	0.217	0.000	0.570
	LAT CL					0.000			0.116		0.000	0.000	0.116
OCT	HEATNG	-0.259	-0.152	0.000	0.000	0.000	-0.730	0.228	0.192	0.048	0.216	0.000	-0.456
	SEN CL	-0.043	-0.014	0.000	0.000	0.000	-0.195	0.193	0.061	0.020	0.097	0.000	0.120
	LAT CL					0.000			0.048		0.000	0.000	0.048
NOV	HEATNG	-0.401	-0.240	0.000	0.000	0.000	-1.097	0.211	0.239	0.063	0.288	0.000	-0.939
	SEN CL	-0.005	-0.002	0.000	0.000	0.000	-0.027	0.020	0.009	0.003	0.016	0.000	0.014
	LAT CL					0.000			0.007		0.000	0.000	0.007
DEC	HEATNG	-0.512	-0.319	0.000	0.000	0.000	-1.362	0.189	0.253	0.068	0.314	0.000	-1.369
	SEN CL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	LAT CL					0.000			0.000		0.000	0.000	0.000
TOT	HEATNG	-3.019	-1.790	0.000	-0.002	0.000	-8.320	2.190	1.828	0.449	2.052	0.000	-6.612
	SEN CL	-0.294	0.257	0.000	-0.001	0.000	-2.657	4.671	1.159	0.351	1.644	0.000	5.130
	LAT CL					0.000			0.918		0.000	0.000	0.918

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LS-E SPACE MONTHLY LOAD COMPONENTS IN MBTU FOR 4-Apartment

WEATHER FILE- SEATTLE SEATTLE-T WA

(UNITS=MBTU)		WALLS	ROOFS	INT SUR	UND SUR	INFIL	WIN CON	WIN SOL	OCCUP	LIGHTS	EQUIP	SOURCE	TOTAL
JAN	HEATNG	-1.724	-2.191	0.000	0.000	0.000	-3.129	0.849	0.376	0.487	0.749	0.000	-4.583
	SEN CL	-0.003	-0.004	0.000	0.000	0.000	-0.016	0.020	0.002	0.002	0.004	0.000	0.006
	LAT CL					0.000			0.001		0.000	0.000	0.001
FEB	HEATNG	-1.309	-1.649	0.000	0.000	0.000	-2.428	0.935	0.316	0.399	0.609	0.000	-3.127
	SEN CL	-0.041	-0.037	0.000	0.000	0.000	-0.225	0.336	0.027	0.043	0.071	0.000	0.174
	LAT CL					0.000			0.018		0.000	0.000	0.018
MAR	HEATNG	-1.028	-1.274	0.000	0.000	0.000	-1.906	0.810	0.299	0.365	0.549	0.000	-2.185
	SEN CL	-0.108	0.003	0.000	0.000	0.000	-0.584	1.001	0.080	0.125	0.204	0.000	0.721
	LAT CL					0.000			0.059		0.000	0.000	0.059
APR	HEATNG	-0.636	-0.785	0.000	0.000	0.000	-1.195	0.605	0.212	0.230	0.334	0.000	-1.234
	SEN CL	-0.118	0.169	0.000	0.000	0.000	-0.790	1.700	0.153	0.244	0.395	0.000	1.753
	LAT CL					0.000			0.119		0.000	0.000	0.119
MAY	HEATNG	-0.439	-0.541	0.000	0.000	0.000	-0.821	0.468	0.173	0.157	0.231	0.000	-0.772
	SEN CL	-0.040	0.456	0.000	0.000	0.000	-0.826	2.181	0.206	0.332	0.522	0.000	2.831
	LAT CL					0.000			0.162		0.000	0.000	0.162
JUN	HEATNG	-0.226	-0.294	0.000	0.000	0.000	-0.431	0.297	0.117	0.086	0.128	0.000	-0.323
	SEN CL	0.043	0.608	0.000	0.000	0.000	-0.727	2.362	0.249	0.388	0.601	0.000	3.524
	LAT CL					0.000			0.197		0.000	0.000	0.197
JUL	HEATNG	-0.138	-0.191	0.000	0.000	0.000	-0.263	0.217	0.086	0.057	0.089	0.000	-0.145
	SEN CL	0.217	0.851	0.000	0.000	0.000	-0.554	2.670	0.292	0.432	0.664	0.000	4.574
	LAT CL					0.000			0.232		0.000	0.000	0.232
AUG	HEATNG	-0.131	-0.187	0.000	0.000	0.000	-0.246	0.173	0.085	0.058	0.091	0.000	-0.157
	SEN CL	0.269	0.694	0.000	0.000	0.000	-0.377	2.455	0.294	0.431	0.662	0.000	4.430
	LAT CL					0.000			0.234		0.000	0.000	0.234
SEP	HEATNG	-0.333	-0.479	0.000	0.000	0.000	-0.601	0.341	0.162	0.144	0.221	0.000	-0.545
	SEN CL	0.099	0.304	0.000	0.000	0.000	-0.618	1.855	0.204	0.329	0.508	0.000	2.681
	LAT CL					0.000			0.162		0.000	0.000	0.162
OCT	HEATNG	-0.748	-0.979	0.000	0.000	0.000	-1.380	0.576	0.266	0.308	0.461	0.000	-1.496
	SEN CL	-0.094	-0.068	0.000	0.000	0.000	-0.560	1.100	0.112	0.181	0.291	0.000	0.962
	LAT CL					0.000			0.087		0.000	0.000	0.087
NOV	HEATNG	-1.245	-1.582	0.000	0.000	0.000	-2.270	0.690	0.345	0.433	0.667	0.000	-2.962
	SEN CL	-0.018	-0.027	0.000	0.000	0.000	-0.146	0.222	0.025	0.040	0.061	0.000	0.157
	LAT CL					0.000			0.018		0.000	0.000	0.018
DEC	HEATNG	-1.618	-2.125	0.000	0.000	0.000	-2.882	0.738	0.370	0.476	0.731	0.000	-4.309
	SEN CL	-0.012	-0.026	0.000	0.000	0.000	-0.083	0.110	0.008	0.013	0.022	0.000	0.031
	LAT CL					0.000			0.005		0.000	0.000	0.005
TOT	HEATNG	-9.576	-12.278	0.000	0.000	0.000	-17.552	6.701	2.807	3.201	4.859	0.000	-21.839
	SEN CL	0.194	2.924	0.000	0.000	0.000	-5.507	16.011	1.652	2.561	4.006	0.000	21.842
	LAT CL					0.000			1.293		0.000	0.000	1.293

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LS-F BUILDING MONTHLY LOAD COMPONENTS IN MBTU

WEATHER FILE- SEATTLE SEATTLE-T WA

(UNITS=MBTU)		WALLS	ROOFS	INT SUR	UND SUR	INFIL	WIN CON	WIN SOL	OCCUP	LIGHTS	EQUIP	SOURCE	TOTAL
JAN	HEATNG	-6.764	-4.921	0.000	-0.005	0.000	-13.711	2.928	3.578	1.122	4.744	0.000	-13.029
	SEN CL	-0.648	-0.200	0.000	-0.001	0.000	-1.258	0.656	0.634	0.147	1.012	0.000	0.343
	LAT CL					0.000			0.537		0.000	0.000	0.537
FEB	HEATNG	-4.862	-3.638	0.000	-0.004	0.000	-10.273	3.106	2.668	0.854	3.456	0.000	-8.693
	SEN CL	-0.993	-0.322	0.000	-0.002	0.000	-2.408	2.159	1.149	0.292	1.743	0.000	1.617
	LAT CL					0.000			1.018		0.000	0.000	1.018
MAR	HEATNG	-3.476	-2.695	0.000	-0.003	0.000	-7.475	2.703	2.211	0.710	2.654	0.000	-5.371
	SEN CL	-1.498	-0.345	0.000	-0.004	0.000	-4.531	4.961	2.015	0.558	3.103	0.000	4.259
	LAT CL					0.000			2.126		0.000	0.000	2.126
APR	HEATNG	-1.902	-1.542	0.000	-0.002	0.000	-4.153	1.810	1.291	0.403	1.355	0.000	-2.739
	SEN CL	-1.446	-0.019	0.000	-0.005	0.000	-5.549	8.120	2.771	0.825	4.218	0.000	8.916
	LAT CL					0.000			3.346		0.000	0.000	3.346
MAY	HEATNG	-1.104	-0.995	0.000	-0.001	0.000	-2.455	1.277	0.795	0.250	0.777	0.000	-1.455
	SEN CL	-1.093	0.622	0.000	-0.005	0.000	-5.733	10.359	3.429	1.018	4.979	0.000	13.577
	LAT CL					0.000			4.218		0.000	0.000	4.218
JUN	HEATNG	-0.424	-0.460	0.000	0.000	0.000	-0.967	0.614	0.323	0.115	0.301	0.000	-0.496
	SEN CL	-0.545	0.996	0.000	-0.004	0.000	-4.980	11.136	3.757	1.112	5.270	0.000	16.742
	LAT CL					0.000			4.872		0.000	0.000	4.872
JUL	HEATNG	-0.207	-0.252	0.000	0.000	0.000	-0.449	0.343	0.169	0.068	0.152	0.000	-0.176
	SEN CL	0.333	1.559	0.000	-0.004	0.000	-3.973	12.431	4.042	1.201	5.605	0.000	21.193
	LAT CL					0.000			5.420		0.000	0.000	5.420
AUG	HEATNG	-0.222	-0.268	0.000	0.000	0.000	-0.490	0.311	0.198	0.074	0.184	0.000	-0.213
	SEN CL	0.557	1.235	0.000	-0.003	0.000	-3.049	11.124	4.027	1.195	5.572	0.000	20.657
	LAT CL					0.000			5.361		0.000	0.000	5.361
SEP	HEATNG	-0.753	-0.850	0.000	0.000	0.000	-1.667	0.810	0.600	0.219	0.667	0.000	-0.975
	SEN CL	-0.449	0.285	0.000	-0.003	0.000	-4.521	8.565	3.481	1.009	4.904	0.000	13.271
	LAT CL					0.000			4.256		0.000	0.000	4.256
OCT	HEATNG	-2.297	-1.995	0.000	-0.001	0.000	-5.011	1.709	1.651	0.566	1.997	0.000	-3.381
	SEN CL	-1.501	-0.541	0.000	-0.002	0.000	-4.502	5.297	2.560	0.702	3.757	0.000	5.770
	LAT CL					0.000			2.801		0.000	0.000	2.801
NOV	HEATNG	-4.485	-3.448	0.000	-0.003	0.000	-9.340	2.213	2.775	0.901	3.577	0.000	-7.810
	SEN CL	-1.027	-0.348	0.000	-0.001	0.000	-2.298	1.575	1.350	0.327	1.994	0.000	1.572
	LAT CL					0.000			1.250		0.000	0.000	1.250
DEC	HEATNG	-6.311	-4.770	0.000	-0.004	0.000	-12.627	2.447	3.480	1.090	4.582	0.000	-12.114
	SEN CL	-0.699	-0.253	0.000	-0.001	0.000	-1.516	1.008	0.732	0.179	1.174	0.000	0.623
	LAT CL					0.000			0.596		0.000	0.000	0.596
TOT	HEATNG	-32.805	-25.834	0.000	-0.025	0.000	-68.618	20.270	19.739	6.372	24.447	0.000	-56.454
	SEN CL	-9.008	2.667	0.000	-0.035	0.000	-44.317	77.389	29.947	8.566	43.332	0.000	108.541
	LAT CL					0.000			35.799		0.000	0.000	35.799

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LS-K SPACE INPUT FUELS SUMMARY

1-Fitness/Meetin

WEATHER FILE- SEATTLE SEATTLE-T WA

SPACE 1-Fitness/Meetin

	- - - - L I G H T I N G - - - -		E Q U I P M E N T - - - - -		P R O C E S S - - - - -	
MONTH	TASK LIGHTING (KWH)	TOTAL LIGHTING (KWH)	GENERAL EQUIPMENT (KWH)	PROCESS ELECTRIC (KWH)	PROCESS GAS (MBTU)	PROCESS HOT WATER (MBTU)
JAN	0.00	70.33	463.74	0.00	0.0000	0.0000
FEB	0.00	63.53	418.86	0.00	0.0000	0.0000
MAR	0.00	70.33	463.74	0.00	0.0000	0.0000
APR	0.00	68.06	448.78	0.00	0.0000	0.0000
MAY	0.00	70.33	463.74	0.00	0.0000	0.0000
JUN	0.00	68.06	448.78	0.00	0.0000	0.0000
JUL	0.00	70.33	463.74	0.00	0.0000	0.0000
AUG	0.00	70.33	463.74	0.00	0.0000	0.0000
SEP	0.00	68.06	448.78	0.00	0.0000	0.0000
OCT	0.00	70.33	463.74	0.00	0.0000	0.0000
NOV	0.00	68.06	448.78	0.00	0.0000	0.0000
DEC	0.00	70.33	463.74	0.00	0.0000	0.0000
	-----	-----	-----	-----	-----	-----
ANNUAL	0.00	828.08	5460.18	0.00	0.0000	0.0000

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LS-K SPACE INPUT FUELS SUMMARY

2-Gathering

WEATHER FILE- SEATTLE SEATTLE-T WA

SPACE 2-Gathering

	- - - - L I G H T I N G - - - -		E Q U I P M E N T - - - - -		P R O C E S S - - - - -	
MONTH	TASK LIGHTING (KWH)	TOTAL LIGHTING (KWH)	GENERAL EQUIPMENT (KWH)	PROCESS ELECTRIC (KWH)	PROCESS GAS (MBTU)	PROCESS HOT WATER (MBTU)
JAN	0.00	138.07	910.36	0.00	0.0000	0.0000
FEB	0.00	124.71	822.26	0.00	0.0000	0.0000
MAR	0.00	138.07	910.36	0.00	0.0000	0.0000
APR	0.00	133.62	880.99	0.00	0.0000	0.0000
MAY	0.00	138.07	910.36	0.00	0.0000	0.0000
JUN	0.00	133.62	880.99	0.00	0.0000	0.0000
JUL	0.00	138.07	910.36	0.00	0.0000	0.0000
AUG	0.00	138.07	910.36	0.00	0.0000	0.0000
SEP	0.00	133.62	880.99	0.00	0.0000	0.0000
OCT	0.00	138.07	910.36	0.00	0.0000	0.0000
NOV	0.00	133.62	880.99	0.00	0.0000	0.0000
DEC	0.00	138.07	910.36	0.00	0.0000	0.0000
	-----	-----	-----	-----	-----	-----
ANNUAL	0.00	1625.65	10718.59	0.00	0.0000	0.0000

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LS-K SPACE INPUT FUELS SUMMARY

3-Leasing

WEATHER FILE- SEATTLE SEATTLE-T WA

SPACE 3-Leasing

	- - - - L I G H T I N G - - - -		E Q U I P M E N T - - - - -		P R O C E S S - - - - -	
MONTH	TASK LIGHTING (KWH)	TOTAL LIGHTING (KWH)	GENERAL EQUIPMENT (KWH)	PROCESS ELECTRIC (KWH)	PROCESS GAS (MBTU)	PROCESS HOT WATER (MBTU)
JAN	0.00	19.93	91.98	0.00	0.0000	0.0000
FEB	0.00	18.00	83.08	0.00	0.0000	0.0000
MAR	0.00	19.93	91.98	0.00	0.0000	0.0000
APR	0.00	19.29	89.01	0.00	0.0000	0.0000
MAY	0.00	19.93	91.98	0.00	0.0000	0.0000
JUN	0.00	19.29	89.01	0.00	0.0000	0.0000
JUL	0.00	19.93	91.98	0.00	0.0000	0.0000
AUG	0.00	19.93	91.98	0.00	0.0000	0.0000
SEP	0.00	19.29	89.01	0.00	0.0000	0.0000
OCT	0.00	19.93	91.98	0.00	0.0000	0.0000
NOV	0.00	19.29	89.01	0.00	0.0000	0.0000
DEC	0.00	19.93	91.98	0.00	0.0000	0.0000
	-----	-----	-----	-----	-----	-----
ANNUAL	0.00	234.64	1082.95	0.00	0.0000	0.0000

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LS-K SPACE INPUT FUELS SUMMARY

4-Apartment

WEATHER FILE- SEATTLE SEATTLE-T WA

SPACE 4-Apartment

MONTH	- - - - L I G H T I N G - - - -		E Q U I P M E N T - - - - -		P R O C E S S - - - - -	
	TASK LIGHTING (KWH)	TOTAL LIGHTING (KWH)	GENERAL EQUIPMENT (KWH)	PROCESS ELECTRIC (KWH)	PROCESS GAS (MBTU)	PROCESS HOT WATER (MBTU)
JAN	0.00	143.39	220.60	0.00	0.0000	0.0000
FEB	0.00	129.51	199.25	0.00	0.0000	0.0000
MAR	0.00	143.39	220.60	0.00	0.0000	0.0000
APR	0.00	138.77	213.49	0.00	0.0000	0.0000
MAY	0.00	143.39	220.60	0.00	0.0000	0.0000
JUN	0.00	138.77	213.49	0.00	0.0000	0.0000
JUL	0.00	143.39	220.60	0.00	0.0000	0.0000
AUG	0.00	143.39	220.60	0.00	0.0000	0.0000
SEP	0.00	138.77	213.49	0.00	0.0000	0.0000
OCT	0.00	143.39	220.60	0.00	0.0000	0.0000
NOV	0.00	138.77	213.49	0.00	0.0000	0.0000
DEC	0.00	143.39	220.60	0.00	0.0000	0.0000
	-----	-----	-----	-----	-----	-----
ANNUAL	0.00	1688.32	2597.47	0.00	0.0000	0.0000

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LS-K *BUILDING* INPUT FUELS SUMMARY

WEATHER FILE- SEATTLE SEATTLE-T WA

BUILDING

MONTH	- - - - L I G H T I N G - - - -		E Q U I P M E N T - - - - -		P R O C E S S - - - - -	
	TASK LIGHTING (KWH)	TOTAL LIGHTING (KWH)	GENERAL EQUIPMENT (KWH)	PROCESS ELECTRIC (KWH)	PROCESS GAS (MBTU)	PROCESS HOT WATER (MBTU)
JAN	0.00	371.72	1686.68	0.00	0.0000	0.0000
FEB	0.00	335.75	1523.45	0.00	0.0000	0.0000
MAR	0.00	371.72	1686.68	0.00	0.0000	0.0000
APR	0.00	359.73	1632.27	0.00	0.0000	0.0000
MAY	0.00	371.72	1686.68	0.00	0.0000	0.0000
JUN	0.00	359.73	1632.27	0.00	0.0000	0.0000
JUL	0.00	371.72	1686.68	0.00	0.0000	0.0000
AUG	0.00	371.72	1686.68	0.00	0.0000	0.0000
SEP	0.00	359.73	1632.27	0.00	0.0000	0.0000
OCT	0.00	371.72	1686.68	0.00	0.0000	0.0000
NOV	0.00	359.73	1632.27	0.00	0.0000	0.0000
DEC	0.00	371.72	1686.68	0.00	0.0000	0.0000
	-----	-----	-----	-----	-----	-----
ANNUAL	0.00	4377.01	19859.93	0.00	0.0000	0.0000

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LS-L MANAGEMENT AND SOLAR SUMMARY FOR SPACE

1-Fitness/Meetin

WEATHER FILE- SEATTLE SEATTLE-T WA

DATA FOR SPACE 1-Fitness/Meetin

MONTH	NUMBER OF HOURS MANAGEMENT WOULD BE EMPLOYED	AVERAGE DAILY SOLAR RADIATION INTO SPACE (BTU/DAY)	MAXIMUM HOURLY SOLAR RADIATION INTO SPACE (BTU/HR)
JAN	13.	24917.596	6908.960
FEB	38.	41824.574	9511.720
MAR	50.	60640.961	12679.556
APR	101.	88460.531	13514.843
MAY	115.	105273.047	14646.300
JUN	131.	113861.641	13598.805
JUL	159.	116329.406	13683.236
AUG	160.	100266.359	13401.773
SEP	116.	77359.570	12679.430
OCT	57.	51309.895	11356.991
NOV	15.	28243.441	7896.470
DEC	11.	22790.691	6504.938
-----	-----	-----	-----
ANNUAL	966.	69414.266	14646.300

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LS-L MANAGEMENT AND SOLAR SUMMARY FOR SPACE

2-Gathering

WEATHER FILE- SEATTLE SEATTLE-T WA

DATA FOR SPACE 2-Gathering

MONTH	NUMBER OF HOURS MANAGEMENT WOULD BE EMPLOYED	AVERAGE DAILY SOLAR RADIATION INTO SPACE (BTU/DAY)	MAXIMUM HOURLY SOLAR RADIATION INTO SPACE (BTU/HR)
JAN	48.	56037.500	21488.938
FEB	76.	90361.008	23390.330
MAR	93.	111686.305	24259.199
APR	149.	142954.719	22810.527
MAY	146.	157158.625	23785.746
JUN	153.	157661.000	20112.031
JUL	207.	170595.375	21345.811
AUG	212.	156165.016	22073.074
SEP	170.	140811.328	23663.520
OCT	111.	105531.547	23754.051
NOV	42.	59759.500	21709.012
DEC	54.	55368.191	20652.578

ANNUAL	1461.	117135.734	24259.199

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LS-L MANAGEMENT AND SOLAR SUMMARY FOR SPACE

3-Leasing

WEATHER FILE- SEATTLE SEATTLE-T WA

DATA FOR SPACE 3-Leasing

MONTH	NUMBER OF HOURS MANAGEMENT WOULD BE EMPLOYED	AVERAGE DAILY SOLAR RADIATION INTO SPACE (BTU/DAY)	MAXIMUM HOURLY SOLAR RADIATION INTO SPACE (BTU/HR)
JAN	8.	6910.195	2214.088
FEB	19.	11238.487	3180.912
MAR	23.	16090.611	3881.884
APR	45.	23311.459	4153.352
MAY	62.	29658.900	4629.081
JUN	53.	30656.365	4503.146
JUL	89.	32850.621	4581.942
AUG	79.	26326.506	4118.830
SEP	62.	20815.510	3970.882
OCT	26.	13442.187	3491.089
NOV	9.	7674.905	2591.097
DEC	7.	6085.890	2088.982

ANNUAL	482.	18796.512	4629.081

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025LDL RUN 1

REPORT- LS-L MANAGEMENT AND SOLAR SUMMARY FOR SPACE

4-Apartment

WEATHER FILE- SEATTLE SEATTLE-T WA

DATA FOR SPACE 4-Apartment

MONTH	NUMBER OF HOURS MANAGEMENT WOULD BE EMPLOYED	AVERAGE DAILY SOLAR RADIATION INTO SPACE (BTU/DAY)	MAXIMUM HOURLY SOLAR RADIATION INTO SPACE (BTU/HR)
JAN	48.	28075.633	9538.757
FEB	76.	45591.414	10525.456
MAR	93.	58333.090	11202.090
APR	149.	76940.633	11179.290
MAY	146.	85893.516	11917.849
JUN	153.	88489.930	10370.489
JUL	207.	93279.695	11062.055
AUG	212.	84517.312	10634.414
SEP	170.	73185.094	11080.591
OCT	111.	53725.824	10959.560
NOV	42.	30352.174	9861.539
DEC	54.	27356.449	9403.239

ANNUAL	1461.	62225.305	11917.849

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SV-A SYSTEM DESIGN PARAMETERS

SYSTEM-1

WEATHER FILE- SEATTLE SEATTLE-T WA

SYSTEM NAME	SYSTEM TYPE	ALTITUDE MULTIPLIER	FLOOR AREA (SQFT)	MAX PEOPLE							
SYSTEM-1	PSZ	1.000	1084.0	7.							
SUPPLY FAN (CFM)	ELEC (KW)	DELTA-T (F)	RETURN FAN (CFM)	ELEC (KW)	DELTA-T (F)	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)
1793.	0.538	0.9	0.	0.000	0.0	0.112	69.790	0.616	-40.745	0.31	0.37
ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW RATIO	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	MULTIPLIER
1-Fitness/Meetin	1793.	200.	0.174	1.000	200.	0.00	0.00	38.30	0.00	-32.46	1.0

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SV-A SYSTEM DESIGN PARAMETERS

SYSTEM-2

WEATHER FILE- SEATTLE SEATTLE-T WA

SYSTEM NAME	SYSTEM TYPE	ALTITUDE MULTIPLIER	FLOOR AREA (SQFT)	MAX PEOPLE							
SYSTEM-2	PSZ	1.000	2128.0	21.							
SUPPLY FAN (CFM)	ELEC (KW)	DELTA-T (F)	RETURN FAN (CFM)	ELEC (KW)	DELTA-T (F)	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)
3019.	0.906	0.9	0.	0.000	0.0	0.141	120.078	0.616	-64.307	0.31	0.37
ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW RATIO	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	MULTIPLIER
2-Gathering	3019.	425.	0.174	1.000	426.	0.00	0.00	64.43	0.00	-45.81	1.0

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SV-A SYSTEM DESIGN PARAMETERS

SYSTEM-3

WEATHER FILE- SEATTLE SEATTLE-T WA

SYSTEM NAME	SYSTEM TYPE	ALTITUDE MULTIPLIER	FLOOR AREA (SQFT)	MAX PEOPLE							
SYSTEM-3	PSZ	1.000	215.0	2.							
SUPPLY FAN (CFM)	ELEC (KW)	DELTA-T (F)	RETURN FAN (CFM)	ELEC (KW)	DELTA-T (F)	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)
436.	0.131	0.9	0.	0.000	0.0	0.058	16.312	0.616	-9.313	0.31	0.37
ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW RATIO	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	MULTIPLIER
3-Leasing	436.	25.	0.087	1.000	25.	0.00	0.00	9.32	0.00	-8.48	1.0

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SV-A SYSTEM DESIGN PARAMETERS

SYSTEM-4

WEATHER FILE- SEATTLE SEATTLE-T WA

SYSTEM NAME	SYSTEM TYPE	ALTITUDE MULTIPLIER	FLOOR AREA (SQFT)	MAX PEOPLE							
SYSTEM-4	PSZ	1.000	1547.0	3.							
SUPPLY FAN (CFM)	ELEC (KW)	DELTA-T (F)	RETURN FAN (CFM)	ELEC (KW)	DELTA-T (F)	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)
1491.	0.447	0.9	0.	0.000	0.0	0.040	56.724	0.616	-29.608	0.31	0.37
ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW RATIO	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	MULTIPLIER
4-Apartment	1491.	60.	0.043	1.000	60.	0.00	0.00	31.95	0.00	-28.30	1.0

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-D PLANT MONTHLY LOADS SUMMARY FOR

PLANT-1

WEATHER FILE- SEATTLE SEATTLE-T WA

- - - - - C O O L I N G - - - - -					- - - - - H E A T I N G - - - - -					- - - E L E C - - -		
MONTH	COOLING ENERGY (MBTU)	TIME OF MAX DY HR	DRY- BULB TEMP	WET- BULB TEMP	MAXIMUM COOLING LOAD (KBTU/HR)	HEATING ENERGY (MBTU)	TIME OF MAX DY HR	DRY- BULB TEMP	WET- BULB TEMP	MAXIMUM HEATING LOAD (KBTU/HR)	ELEC- TRICAL ENERGY (KWH)	MAXIMUM ELEC LOAD (KW)
JAN	0.00000				0.000	-24.210	15 8	25.F	23.F	-62.646	3919.	8.705
FEB	0.00000				0.000	-16.523	19 5	22.F	21.F	-69.355	3540.	8.705
MAR	0.00000				0.000	-9.496	24 6	35.F	29.F	-42.209	3919.	8.705
APR	0.00000				0.000	-3.561	19 6	35.F	34.F	-40.244	3913.	12.641
MAY	0.00000				0.000	-0.628	18 6	42.F	42.F	-23.199	4264.	12.139
JUN	0.00000				0.000	-0.013	15 5	47.F	46.F	-3.089	4494.	13.666
JUL	0.00000				0.000	0.000	3 22	56.F	50.F	-0.067	5165.	15.073
AUG	0.00000				0.000	0.000	15 4	56.F	53.F	-0.145	5281.	16.127
SEP	0.00000				0.000	-0.246	27 5	45.F	45.F	-17.829	4295.	12.403
OCT	0.00000				0.000	-4.614	16 8	43.F	42.F	-28.229	3957.	10.293
NOV	0.00000				0.000	-14.319	13 5	34.F	34.F	-46.791	3794.	8.707
DEC	0.00000				0.000	-22.142	26 4	30.F	30.F	-56.114	3919.	8.705
TOTAL	0.000					-95.751					50458.	
MAX					0.000					-69.355		16.127
MAXIMUM DAILY INTEGRATED COOLING LOAD (DES DAY)						0.000 (KBTU)						
MAXIMUM DAILY INTEGRATED COOLING LOAD (WTH FILE)						0.000 (KBTU)						

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-E PLANT MONTHLY LOAD HOURS FOR

PLANT-1

WEATHER FILE- SEATTLE SEATTLE-T WA

- - - - - N U M B E R O F H O U R S - - - - -											--COINCIDENT LOADS--	
MONTH	HOURS COOLING LOAD	HOURS HEATING LOAD	HOURS COINCIDENT COOL-HEAT LOAD	HOURS FLOATING	HOURS HEATING AVAIL.	HOURS COOLING AVAIL.	HOURS FANS ON	HOURS FANS CYCLE ON	HOURS NIGHT VENTING	HOURS FLOATING WHEN FANS ON	HEATING LOAD AT COOLING PEAK (KBTU/HR)	ELECTRIC LOAD AT COOLING PEAK (KW)
JAN	1	744	1	0	744	744	744	0	0	0	-21.914	7.864
FEB	10	640	7	29	672	672	672	0	0	29	-6.896	7.864
MAR	24	607	16	129	744	744	744	0	0	129	-14.278	7.864
APR	86	321	13	326	720	720	720	0	0	326	0.000	3.172
MAY	192	113	7	446	744	744	744	0	0	446	0.000	3.172
JUN	306	12	3	405	720	720	720	0	0	405	0.000	3.172
JUL	440	2	1	303	744	744	744	0	0	303	0.000	3.172
AUG	477	1	0	266	744	744	744	0	0	266	0.000	3.172
SEP	254	60	4	410	720	720	720	0	0	410	0.000	3.172
OCT	81	484	17	196	744	744	744	0	0	196	-14.459	7.864
NOV	13	672	10	45	720	720	720	0	0	45	-32.129	7.864
DEC	3	744	3	0	744	744	744	0	0	0	-20.397	7.864
ANNUAL	1887	4400	82	2555	8760	8760	8760	0	0	2555		

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-M FAN ELECTRIC ENERGY FOR PLANT

PLANT-1

WEATHER FILE- SEATTLE SEATTLE-T WA

MONTH	FAN ELECTRIC ENERGY DURING HEATING (KWH)	FAN ELECTRIC ENERGY DURING COOLING (KWH)	FAN ELECTRIC ENERGY DURING HEATING-COOLING (KWH)	FAN ELECTRIC ENERGY DURING FLOATING (KWH)
JAN	1847.632	0.491	0.000	12.172
FEB	1487.829	5.760	0.000	186.681
MAR	1245.716	16.345	0.000	598.247
APR	567.397	159.529	0.000	1073.372
MAY	144.373	397.805	0.000	1318.125
JUN	8.911	705.435	0.000	1085.954
JUL	1.792	1011.091	0.000	847.429
AUG	1.080	1091.172	0.000	768.058
SEP	67.992	520.830	0.000	1211.473
OCT	874.168	94.712	0.000	891.429
NOV	1566.855	11.378	0.000	222.055
DEC	1827.806	2.650	0.000	29.839
ANNUAL	9642.102	4017.034	0.000	8245.609

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-P LOAD, ENERGY AND PART LOAD DHW TANK OPERATION FOR PLANT-1

WEATHER FILE- SEATTLE SEATTLE-T WA

TANK SIZE is 30.0 (GAL) HEATER CAP = 17.516 (KBTU/HR) FLOW RATE = 0.727 (GAL/MIN) PUMP = 0.000 (KW)																	
MONTH	UNIT LOAD		ENERGY USE (MBTU) (KBTU/HR)	RCV EN USE (MBTU) (KBTU/HR)	PUMP ENERGY (KWH) (KW)	Number of hours within each PART LOAD range											TOTAL RUN HOURS
	SUM	PEAK				00	10	20	30	40	50	60	70	80	90	100	
	PEAK	(KBTU/HR)				10	20	30	40	50	60	70	80	90	100	+	
JAN	SUM	5.352	9.403	0.000	0.000	186	22	9	0	186	217	31	93	0	0	0	744
	PEAK	12.734	21.874	0.000	0.000												
	DAY/HR	31/19	31/19	31/24	31/24												
FEB	SUM	4.836	8.497	0.000	0.000	168	19	9	0	168	196	28	84	0	0	0	672
	PEAK	12.734	21.874	0.000	0.000												
	DAY/HR	28/19	28/19	28/24	28/24												
MAR	SUM	5.355	9.408	0.000	0.000	186	21	10	0	186	217	31	93	0	0	0	744
	PEAK	12.734	21.874	0.000	0.000												
	DAY/HR	31/19	31/19	31/24	31/24												
APR	SUM	5.178	9.097	0.000	0.000	180	22	8	0	180	210	30	90	0	0	0	720
	PEAK	12.734	21.874	0.000	0.000												
	DAY/HR	30/19	30/19	30/ 1	30/ 1												
MAY	SUM	5.355	9.408	0.000	0.000	186	21	10	0	186	217	31	93	0	0	0	744
	PEAK	12.734	21.874	0.000	0.000												
	DAY/HR	31/19	31/19	31/ 1	31/ 1												
JUN	SUM	5.180	9.101	0.000	0.000	180	21	9	0	180	210	30	90	0	0	0	720
	PEAK	12.734	21.874	0.000	0.000												
	DAY/HR	30/19	30/19	30/ 1	30/ 1												
JUL	SUM	5.352	9.403	0.000	0.000	186	22	9	0	186	217	31	93	0	0	0	744
	PEAK	12.734	21.874	0.000	0.000												
	DAY/HR	31/19	31/19	31/ 1	31/ 1												
AUG	SUM	5.355	9.408	0.000	0.000	186	21	10	0	186	217	31	93	0	0	0	744
	PEAK	12.734	21.874	0.000	0.000												
	DAY/HR	31/19	31/19	31/ 1	31/ 1												
SEP	SUM	5.180	9.101	0.000	0.000	180	21	9	0	180	210	30	90	0	0	0	720
	PEAK	12.734	21.874	0.000	0.000												
	DAY/HR	30/19	30/19	30/ 1	30/ 1												
OCT	SUM	5.352	9.403	0.000	0.000	186	22	9	0	186	217	31	93	0	0	0	744
	PEAK	12.734	21.874	0.000	0.000												
	DAY/HR	31/19	31/19	31/24	31/24												
NOV	SUM	5.188	9.114	0.000	0.000	180	18	12	0	180	210	30	90	0	0	0	720
	PEAK	12.734	21.874	0.000	0.000												
	DAY/HR	30/19	30/19	30/24	30/24												
DEC	SUM	5.352	9.403	0.000	0.000	186	22	9	0	186	217	31	93	0	0	0	744
	PEAK	12.734	21.874	0.000	0.000												
	DAY/HR	31/19	31/19	31/24	31/24												
YR	SUM	63.033	110.748	0.000	0.000	2190	252	113	0	2190	2555	365	1095	0	0	0	8760
	PEAK	12.734	21.874	0.000	0.000												
	MON/DAY	12/31	12/31	12/31	12/31												

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-A SYSTEM MONTHLY LOADS SUMMARY FOR

SYSTEM-1

WEATHER FILE- SEATTLE SEATTLE-T WA

- - - - - C O O L I N G - - - - -												
- - - - - H E A T I N G - - - - -												
- - - E L E C - - -												
MONTH	COOLING ENERGY (MBTU)	TIME OF MAX DY HR	DRY- BULB TEMP	WET- BULB TEMP	MAXIMUM COOLING LOAD (KBTU/HR)	HEATING ENERGY (MBTU)	TIME OF MAX DY HR	DRY- BULB TEMP	WET- BULB TEMP	MAXIMUM HEATING LOAD (KBTU/HR)	ELEC- TRICAL ENERGY (KWH)	MAXIMUM ELEC LOAD (KW)
JAN	0.00000				0.000	-7.824	15 4	26.F	24.F	-19.141	1064.	2.342
FEB	0.00000	26 14	56.F	50.F	0.004	-5.631	19 5	22.F	21.F	-20.845	961.	2.342
MAR	0.00070	17 12	52.F	46.F	0.259	-3.615	1 5	32.F	29.F	-14.375	1064.	2.342
APR	0.31058	27 19	79.F	61.F	17.630	-1.496	19 5	36.F	35.F	-12.701	1055.	3.388
MAY	0.99751	4 19	73.F	58.F	15.880	-0.391	18 6	42.F	42.F	-8.602	1144.	3.227
JUN	2.30314	28 19	78.F	62.F	21.680	-0.013	15 5	47.F	46.F	-3.089	1214.	3.754
JUL	4.10147	24 19	84.F	65.F	26.026	0.000	3 22	56.F	50.F	-0.067	1395.	4.170
AUG	4.30467	10 19	87.F	67.F	27.294	0.000				0.000	1417.	4.405
SEP	1.19539	14 18	77.F	62.F	16.410	-0.156	27 5	45.F	45.F	-8.156	1126.	3.181
OCT	0.01121	4 24	57.F	50.F	3.924	-2.012	24 5	43.F	43.F	-9.412	1065.	2.342
NOV	0.00009	4 9	58.F	54.F	0.091	-4.912	11 7	32.F	32.F	-14.567	1029.	2.342
DEC	0.00000				0.000	-7.269	26 4	30.F	30.F	-16.979	1064.	2.342
TOTAL	13.225					-33.318					13597.	
MAX					27.294					-20.845		4.405

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-B SYSTEM MONTHLY LOADS SUMMARY FOR

SYSTEM-1

WEATHER FILE- SEATTLE SEATTLE-T WA

	- Z O N E C O O L I N G -	- Z O N E H E A T I N G -	- B A S E B O A R D S -	- P R E H E A T O R F U R N F A N E L E C -				
	COOLING BY ZONE COILS OR NAT VENTIL (MBTU)	MAXIMUM COOLING BY ZONE COILS OR NAT VENTIL (KBTU/HR)	HEATING BY ZONE COILS OR FURNACE (MBTU)	MAXIMUM HEATING BY ZONE COILS OR FURNACE (KBTU/HR)	BASEBOARD HEATING ENERGY (MBTU)	MAXIMUM BASEBOARD HEATING ENERGY (KBTU/HR)	PREHEAT COIL ENERGY OR ELEC FOR FURN FAN (MBTU)	MAXIMUM PREHEAT COIL ENERGY OR ELEC FOR FURN FAN (KBTU/HR)
MONTH								
JAN	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
FEB	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
MAR	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
APR	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
MAY	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
JUN	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
JUL	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
AUG	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
SEP	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
OCT	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
NOV	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
DEC	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0TOTAL	0.000		0.000		0.000		0.000	
0MAX		0.000		0.000		0.000		0.000

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-C SYSTEM MONTHLY LOAD HOURS FOR

SYSTEM-1

WEATHER FILE- SEATTLE SEATTLE-T WA

--COINCIDENT LOADS--												
MONTH	HOURS COOLING LOAD	HOURS HEATING LOAD	HOURS COINCIDENT COOL-HEAT LOAD	HOURS FLOATING	HOURS HEATING AVAIL.	HOURS COOLING AVAIL.	HOURS FANS ON	HOURS FANS CYCLE ON	HOURS NIGHT VENTING	HOURS FLOATING WHEN FANS ON	HEATING LOAD AT COOLING PEAK (KBTU/HR)	ELECTRIC LOAD AT COOLING PEAK (KW)
JAN	0	744	0	0	744	744	744	0	0	0	-7.473	1.980
FEB	1	640	0	31	672	672	672	0	0	31	0.000	1.261
MAR	3	598	0	143	744	744	744	0	0	143	0.000	1.304
APR	55	301	0	364	720	720	720	0	0	364	0.000	3.295
MAY	142	109	0	493	744	744	744	0	0	493	0.000	3.131
JUN	272	11	0	437	720	720	720	0	0	437	0.000	3.599
JUL	384	1	0	359	744	744	744	0	0	359	0.000	4.071
AUG	410	0	0	334	744	744	744	0	0	334	0.000	4.248
SEP	164	57	0	499	720	720	720	0	0	499	0.000	2.630
OCT	10	468	0	266	744	744	744	0	0	266	0.000	2.293
NOV	1	669	0	50	720	720	720	0	0	50	0.000	1.557
DEC	0	744	0	0	744	744	744	0	0	0	-7.109	1.980
ANNUAL	1442	4342	0	2976	8760	8760	8760	0	0	2976		

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-H SYSTEM MONTHLY LOADS SUMMARY FOR

SYSTEM-1

WEATHER FILE- SEATTLE SEATTLE-T WA

MONTH	- - F A N E L E C - - -		- - F U E L H E A T - -		- - F U E L C O O L - -		- E L E C H E A T - -		- E L E C C O O L - -	
	FAN ENERGY (KWH)	MAXIMUM FAN LOAD (KW)	GAS OIL ENERGY (MBTU)	MAXIMUM GAS OIL LOAD (KBTU/HR)	GAS OIL ENERGY (MBTU)	MAXIMUM GAS OIL LOAD (KBTU/HR)	ELECTRIC ENERGY (KWH)	MAXIMUM ELECTRIC LOAD (KW)	ELECTRIC ENERGY (KWH)	MAXIMUM ELECTRIC LOAD (KW)
JAN	530.	0.712	0.000	0.000	0.000	0.000	0.	0.000	0.	0.000
FEB	478.	0.712	0.000	0.000	0.000	0.000	0.	0.000	0.	0.000
MAR	530.	0.712	0.000	0.000	0.000	0.000	0.	0.000	0.	0.021
APR	513.	0.712	0.000	0.000	0.000	0.000	0.	0.000	25.	1.440
MAY	530.	0.712	0.000	0.000	0.000	0.000	0.	0.000	81.	1.276
JUN	513.	0.712	0.000	0.000	0.000	0.000	0.	0.000	185.	1.745
JUL	530.	0.712	0.000	0.000	0.000	0.000	0.	0.000	331.	2.216
AUG	530.	0.712	0.000	0.000	0.000	0.000	0.	0.000	353.	2.393
SEP	513.	0.712	0.000	0.000	0.000	0.000	0.	0.000	96.	1.347
OCT	530.	0.712	0.000	0.000	0.000	0.000	0.	0.000	1.	0.313
NOV	513.	0.712	0.000	0.000	0.000	0.000	0.	0.000	0.	0.007
DEC	530.	0.712	0.000	0.000	0.000	0.000	0.	0.000	0.	0.000
0TOTAL	6236.		0.000		0.000		0.		1072.	
0MAX		0.712		0.000		0.000		0.000		2.393

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-I SYSTEM MONTHLY SENSIBLE LATENT SUMMARY FOR SYSTEM-1

WEATHER FILE- SEATTLE SEATTLE-T WA

MONTH	SENSIBLE COOLING ENERGY (MBTU)	LATENT COOLING ENERGY (MBTU)	MAX TOTAL COOLING ENERGY (KBTU/HR)	SENSIBLE HEAT RATIO AT MAX	TIME OF MAX DY HR	SENSIBLE HEATING ENERGY (MBTU)	LATENT HEATING ENERGY (MBTU)	MAX TOTAL HEATING ENERGY (KBTU/HR)
JAN	0.00000	0.00000	0.000			-7.82428	0.00000	-19.14103
FEB	0.00000	0.00000	0.004	0.876	26 14	-5.63112	0.00000	-20.845
MAR	0.00063	0.00007	0.259	1.000	17 12	-3.61453	0.00000	-14.375
APR	0.24290	0.06767	17.630	0.783	27 19	-1.49613	0.00000	-12.701
MAY	0.77069	0.22682	15.880	0.791	4 19	-0.39095	0.00000	-8.602
JUN	1.80865	0.49449	21.680	0.786	28 19	-0.01295	0.00000	-3.089
JUL	3.12868	0.97279	26.026	0.793	24 19	-0.00007	0.00000	-0.067
AUG	3.21915	1.08553	27.294	0.782	10 19	0.00000	0.00000	0.000
SEP	0.85207	0.34331	16.410	0.777	14 18	-0.15554	0.00000	-8.156
OCT	0.00914	0.00207	3.924	0.657	4 24	-2.01202	0.00000	-9.412
NOV	0.00006	0.00003	0.091	0.625	4 9	-4.91197	0.00000	-14.567
DEC	0.00000	0.00000	0.000			-7.26878	0.00000	-16.97919
TOTAL	10.032	3.193				-33.318	0.000	
MAX			27.294	0.782				-20.845

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-J SYSTEM PEAK HEATING AND COOLING DAYS FOR

SYSTEM-1

WEATHER FILE- SEATTLE SEATTLE-T WA

- - - - C O O L I N G - - - -					- - - H E A T I N G - - -			D A Y C O O L I N G P E A K			
AUG 10					FEB 19			AUG 10			
HOURLY COOLING LOAD (KBTU)	SENSIBLE HEAT RATIO	DRY- BULB TEMP	WET- BULB TEMP		HOURLY HEATING LOAD (KBTU)	DRY- BULB TEMP	WET- BULB TEMP	HOURLY COOLING LOAD (KBTU)	SENSIBLE HEAT RATIO	DRY- BULB TEMP	WET- BULB TEMP
1	5.106	0.598	66.F	59.F	-18.507	25.F	24.F	5.106	0.598	66.F	59.F
2	1.726	0.527	62.F	57.F	-19.182	24.F	23.F	1.726	0.527	62.F	57.F
3	2.739	0.533	65.F	59.F	-18.797	26.F	24.F	2.739	0.533	65.F	59.F
4	1.070	0.513	64.F	58.F	-20.233	23.F	22.F	1.070	0.513	64.F	58.F
5	0.725	0.499	63.F	58.F	-20.845	22.F	21.F	0.725	0.499	63.F	58.F
6	4.802	0.556	63.F	59.F	-20.494	22.F	21.F	4.802	0.556	63.F	59.F
7	10.215	0.668	67.F	61.F	-19.648	23.F	22.F	10.215	0.668	67.F	61.F
8	13.364	0.733	70.F	62.F	-18.978	23.F	21.F	13.364	0.733	70.F	62.F
9	0.000	0.000	73.F	63.F	-16.199	26.F	24.F	0.000	0.000	73.F	63.F
10	11.677	0.770	74.F	63.F	-14.308	28.F	25.F	11.677	0.770	74.F	63.F
11	13.825	0.746	76.F	64.F	-13.619	29.F	25.F	13.825	0.746	76.F	64.F
12	15.845	0.760	79.F	65.F	-12.749	32.F	28.F	15.845	0.760	79.F	65.F
13	16.134	0.752	81.F	66.F	-11.587	35.F	29.F	16.134	0.752	81.F	66.F
14	19.577	0.789	85.F	67.F	-10.595	36.F	29.F	19.577	0.789	85.F	67.F
15	23.717	0.840	86.F	66.F	-10.285	36.F	29.F	23.717	0.840	86.F	66.F
16	24.985	0.858	88.F	66.F	-9.862	37.F	30.F	24.985	0.858	88.F	66.F
17	25.504	0.837	89.F	66.F	-11.318	35.F	29.F	25.504	0.837	89.F	66.F
18	27.294	0.782	87.F	67.F	-13.340	32.F	28.F	27.294	0.782	87.F	67.F
19	25.565	0.802	86.F	65.F	-13.274	30.F	26.F	25.565	0.802	86.F	65.F
20	21.089	0.741	78.F	64.F	-12.782	30.F	26.F	21.089	0.741	78.F	64.F
21	17.184	0.708	73.F	62.F	-13.006	29.F	25.F	17.184	0.708	73.F	62.F
22	14.965	0.727	73.F	60.F	-13.398	29.F	26.F	14.965	0.727	73.F	60.F
23	19.198	0.706	65.F	60.F	-13.960	30.F	26.F	19.198	0.706	65.F	60.F
24	0.000	0.000	62.F	58.F	-14.373	29.F	25.F	0.000	0.000	62.F	58.F
-----					-----			-----			
SUM								316.306			
MAX	27.294				-20.845						

SYSTEM-TYPE	PSZ	SQFT/TON	476.6
COOLING PEAK	25.18 (BTU/HR- SQFT)	HEATING PEAK	-19.23 (BTU/HR- SQFT)
SUPPLY AIR PEAK FLOW	1.65 (CFM/SQFT)	MIN-OA/PERSON	28.59 (CFM)
OA FRAC AT CLG PEAK	0.112	OA FRAC AT HTG PEAK	0.112

* ASTERISKS INDICATE HOURS LOADS NOT MET

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-K SPACE TEMPERATURE SUMMARY

SYSTEM-1

WEATHER FILE- SEATTLE SEATTLE-T WA

MONTH	A V E R A G E S P A C E T E M P					AVERAGE TEMPERATURE DIFFERENCE			SUMMED TEMP DIFFERENCE		HUMIDITY RATIO DIFFERENCE BETWEEN OUTDOOR AND ROOM AIR (FRAC.OR MULT.)
	ALL HOURS (F)	COOLING HOURS (F)	HEATING HOURS (F)	FAN ON HOURS (F)	FAN OFF HOURS (F)	BETWEEN OUTDOOR& ROOM AIR ALL HOURS (F)	BETWEEN OUTDOOR& ROOM AIR FAN ON HOURS (F)	BETWEEN OUTDOOR& ROOM AIR FAN OFF HOURS (F)	BETWEEN OUTDOOR& ROOM AIR HEATING HOURS (F)	BETWEEN OUTDOOR& ROOM AIR ALL HOURS (F)	
JAN	70.60		70.60	70.60	0.00	-30.51	-30.51	0.00	945.72	945.72	-0.00441
FEB	70.73	71.00	70.66	70.73	0.00	-28.25	-28.25	0.00	772.18	791.04	-0.00446
MAR	70.99	71.07	70.77	70.99	0.00	-24.00	-24.00	0.00	641.37	744.08	-0.00444
APR	72.47	76.39	70.82	72.47	0.00	-20.93	-20.93	0.00	317.69	629.49	-0.00433
MAY	74.12	77.11	70.87	74.12	0.00	-18.77	-18.77	0.00	109.94	581.95	-0.00415
JUN	76.02	77.39	71.76	76.02	0.00	-15.97	-15.97	0.00	9.85	479.42	-0.00375
JUL	76.88	77.58	76.92	76.88	0.00	-13.09	-13.09	0.00	0.87	415.10	-0.00307
AUG	76.89	77.55		76.89	0.00	-11.06	-11.06	0.00		368.30	-0.00293
SEP	74.64	77.06	70.95	74.64	0.00	-15.49	-15.49	0.00	46.59	464.71	-0.00397
OCT	71.56	73.76	70.84	71.56	0.00	-19.00	-19.00	0.00	412.70	588.98	-0.00445
NOV	70.82	71.00	70.72	70.82	0.00	-24.31	-24.31	0.00	700.22	729.16	-0.00448
DEC	70.63		70.63	70.63	0.00	-28.88	-28.88	0.00	895.33	895.33	-0.00441
ANNUAL	73.04	77.34	70.71	73.04	0.00	-20.81	-20.81	0.00	4852.48	7633.29	-0.00407

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-L FAN ELECTRIC ENERGY

SYSTEM-1

WEATHER FILE- SEATTLE SEATTLE-T WA

MONTH	FAN ELEC DURING HEATING (KWH)	FAN ELEC DURING COOLING (KWH)	FAN ELEC DURING HEAT & COOL (KWH)	FAN ELEC DURING FLOATING (KWH)	----- Number of hours within each PART LOAD range -----										----- TOTAL	
					00	10	20	30	40	50	60	70	80	90	100	100
					10	20	30	40	50	60	70	80	90	100	+	HOURS
JAN	529.659	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	744	744
FEB	455.620	0.712	0.000	22.069	0	0	0	0	0	0	0	0	0	0	672	672
MAR	425.719	2.136	0.000	101.802	0	0	0	0	0	0	0	0	0	0	744	744
APR	214.282	39.155	0.000	259.131	0	0	0	0	0	0	0	0	0	0	720	720
MAY	77.597	101.090	0.000	350.968	0	0	0	0	0	0	0	0	0	0	744	744
JUN	7.831	193.637	0.000	311.101	0	0	0	0	0	0	0	0	0	0	720	720
JUL	0.712	273.370	0.000	255.572	0	0	0	0	0	0	0	0	0	0	744	744
AUG	0.000	291.879	0.000	237.774	0	0	0	0	0	0	0	0	0	0	744	744
SEP	40.578	116.751	0.000	355.240	0	0	0	0	0	0	0	0	0	0	720	720
OCT	333.170	7.119	0.000	189.365	0	0	0	0	0	0	0	0	0	0	744	744
NOV	476.265	0.712	0.000	35.595	0	0	0	0	0	0	0	0	0	0	720	720
DEC	529.659	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	744	744
ANNUAL	3091.125	1026.575	0.000	2118.651	0	0	0	0	0	0	0	0	0	0	8760	8760

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-N RELATIVE HUMIDITY SCATTER PLOT FOR

SYSTEM-1

WEATHER FILE- SEATTLE SEATTLE-T WA

TOTAL HOURS AT RELATIVE HUMIDITY LEVEL AND TIME OF DAY

HOUR	1AM	2	3	4	5	6	7	8	9	10	11	12	1PM	2	3	4	5	6	7	8	9	10	11	12	TOTAL
90-100	2	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	16
80-89	26	26	30	33	35	33	15	1	0	0	0	0	0	0	0	0	0	7	12	13	16	17	14	26	304
70-79	136	151	150	161	166	158	80	22	1	0	0	1	3	3	2	0	6	38	71	78	77	82	80	146	1612
60-69	154	147	140	129	122	130	183	82	47	40	33	26	19	18	16	18	35	64	120	119	128	157	117	145	2189
50-59	41	36	38	37	36	38	82	177	136	109	103	103	103	89	75	68	83	120	96	99	109	92	131	39	2040
40-49	6	5	4	4	6	6	5	83	144	157	168	162	148	152	156	170	174	117	65	55	33	15	21	7	1863
30-39	0	0	0	0	0	0	0	0	32	51	52	65	83	94	103	98	53	18	0	0	0	0	0	0	649
20-29	0	0	0	0	0	0	0	0	5	7	9	8	9	9	13	11	14	1	0	0	0	0	0	0	86
10-19	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
0-09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	=====

*
* NOTE 1)THE RELATIVE HUMIDITY COUNTS ARE MADE ONLY FOR *
* THE HOURS WHEN THE FANS ARE ON *
*

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-P LOAD, ENERGY AND PART LOAD HEATING IN SYSTEM-1

WEATHER FILE- SEATTLE SEATTLE-T WA

UNIT TYPE is PSZ

HEATING-CAPACITY = -40.745 (KBTU/HR) HEATING-EIR = 0.370 (BTU/BTU) SUPPLY-FLOW = 1793. (CFM)

MONTH	SUM PEAK DAY/HR	UNIT LOAD	ENERGY USE	COMPRESSOR	FAN ENERGY	Number of hours within each PART LOAD range												TOTAL
		(MBTU)	(KWH)	(KWH)	(KWH)													RUN
		(KBTU/HR)	(KW)	(KW)	(KW)	00 10	10 20	20 30	30 40	40 50	50 60	60 70	70 80	80 90	90 100	100 +	HOURS	
JAN	SUM PEAK DAY/HR	-7.824 -19.141 15/ 4	0.000 0.000 31/24	0.000 0.000 0/ 0	529.659 0.712 31/24	CMP FAN	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 744	0 744	
FEB	SUM PEAK DAY/HR	-5.631 -20.845 19/ 5	0.000 0.000 28/24	0.000 0.000 0/ 0	478.401 0.712 28/24	CMP FAN	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 640	0 640	
MAR	SUM PEAK DAY/HR	-3.615 -14.375 1/ 5	0.000 0.000 31/24	0.000 0.000 0/ 0	529.659 0.712 31/24	CMP FAN	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 598	0 598	
APR	SUM PEAK DAY/HR	-1.496 -12.701 19/ 5	0.000 0.000 30/ 1	0.000 0.000 0/ 0	512.573 0.712 30/ 1	CMP FAN	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 301	0 301	
MAY	SUM PEAK DAY/HR	-0.391 -8.602 18/ 6	0.000 0.000 31/ 1	0.000 0.000 0/ 0	529.659 0.712 31/ 1	CMP FAN	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 109	0 109	
JUN	SUM PEAK DAY/HR	-0.013 -3.089 15/ 5	0.000 0.000 30/ 1	0.000 0.000 0/ 0	512.573 0.712 30/ 1	CMP FAN	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 11	0 11	
JUL	SUM PEAK DAY/HR	0.000 -0.067 3/22	0.000 0.000 31/ 1	0.000 0.000 0/ 0	529.659 0.712 31/ 1	CMP FAN	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 1	0 1	
AUG	SUM PEAK DAY/HR	0.000 0.000 31/ 1	0.000 0.000 31/ 1	0.000 0.000 0/ 0	529.659 0.712 31/ 1	CMP FAN	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	
SEP	SUM PEAK DAY/HR	-0.156 -8.156 27/ 5	0.000 0.000 30/ 1	0.000 0.000 0/ 0	512.573 0.712 30/ 1	CMP FAN	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 57	0 57	
OCT	SUM PEAK DAY/HR	-2.012 -9.412 24/ 5	0.000 0.000 31/24	0.000 0.000 0/ 0	529.659 0.712 31/24	CMP FAN	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 468	0 468	
NOV	SUM PEAK DAY/HR	-4.912 -14.567 11/ 7	0.000 0.000 30/24	0.000 0.000 0/ 0	512.573 0.712 30/24	CMP FAN	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 669	0 669	
DEC	SUM PEAK DAY/HR	-7.269 -16.979 26/ 4	0.000 0.000 31/24	0.000 0.000 0/ 0	529.659 0.712 31/24	CMP FAN	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 744	0 744	
YR	SUM PEAK MON/DAY	-33.318 -20.845 2/19	0.000 0.000 12/31	0.000 0.000 0/ 0	6236.361 0.712 12/31	CMP FAN	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 4342	0 4342	

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-P LOAD, ENERGY AND PART LOAD COOLING IN SYSTEM-1

WEATHER FILE- SEATTLE SEATTLE-T WA

UNIT TYPE is PSZ COOLING-CAPACITY = 69.790 (KBTU/HR) COOLING-EIR = 0.312 (BTU/BTU) SUPPLY-FLOW = 1793. (CFM)

MONTH	SUM PEAK	UNIT LOAD	ENERGY USE	COMPRESSOR	FAN ENERGY	Number of hours within each PART LOAD range												TOTAL
		(MBTU)	(KWH)	(KWH)	(KWH)													RUN
		(KBTU/HR)	(KW)	(KW)	(KW)	00 10	10 20	20 30	30 40	40 50	50 60	60 70	70 80	80 90	90 100	100 +	HOURS	
JAN	SUM PEAK DAY/HR	0.000 0.000 31/24	0.000 0.000 31/24	0.000 0.000 0/ 0	529.659 0.712 31/24	CMP FAN	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	
FEB	SUM PEAK DAY/HR	0.000 0.004 26/14	0.000 0.000 26/14	0.000 0.000 26/14	478.401 0.712 28/24	CMP FAN	0 0	0 0	1 0	0 0	0 0	0 0	0 0	0 0	0 0	0 1	1 1	
MAR	SUM PEAK DAY/HR	0.001 0.259 17/12	0.056 0.021 17/12	0.056 0.021 17/12	529.659 0.712 31/24	CMP FAN	0 0	0 0	3 0	0 0	0 0	0 0	0 0	0 0	0 0	0 3	3 3	
APR	SUM PEAK DAY/HR	0.311 17.630 27/19	25.485 1.440 27/19	25.485 1.440 27/19	512.573 0.712 30/ 1	CMP FAN	0 0	0 0	55 0	0 0	0 0	0 0	0 0	0 0	0 0	0 55	55 55	
MAY	SUM PEAK DAY/HR	0.998 15.880 4/19	80.518 1.276 4/19	80.518 1.276 4/19	529.659 0.712 31/ 1	CMP FAN	0 0	0 0	142 0	0 0	0 0	0 0	0 0	0 0	0 0	0 142	142 142	
JUN	SUM PEAK DAY/HR	2.303 21.680 28/19	184.866 1.745 28/19	184.866 1.745 28/19	512.573 0.712 30/ 1	CMP FAN	0 0	0 0	271 0	1 0	0 0	0 0	0 0	0 0	0 0	0 272	272 272	
JUL	SUM PEAK DAY/HR	4.101 26.026 24/19	331.050 2.216 24/19	331.050 2.216 24/19	529.659 0.712 31/ 1	CMP FAN	0 0	0 0	370 0	14 0	0 0	0 0	0 0	0 0	0 0	0 384	384 384	
AUG	SUM PEAK DAY/HR	4.305 27.294 10/19	352.868 2.393 10/19	352.868 2.393 10/19	529.659 0.712 31/ 1	CMP FAN	0 0	0 0	387 0	23 0	0 0	0 0	0 0	0 0	0 0	0 410	410 410	
SEP	SUM PEAK DAY/HR	1.195 16.410 14/18	96.221 1.347 14/18	96.221 1.347 14/18	512.573 0.712 30/ 1	CMP FAN	0 0	0 0	164 0	0 0	0 0	0 0	0 0	0 0	0 0	0 164	164 164	
OCT	SUM PEAK DAY/HR	0.011 3.924 4/24	0.897 0.313 4/24	0.897 0.313 4/24	529.659 0.712 31/24	CMP FAN	0 0	0 0	10 0	0 0	0 0	0 0	0 0	0 0	0 0	0 10	10 10	
NOV	SUM PEAK DAY/HR	0.000 0.091 4/ 9	0.007 0.007 4/ 9	0.007 0.007 4/ 9	512.573 0.712 30/24	CMP FAN	0 0	0 0	1 0	0 0	0 0	0 0	0 0	0 0	0 0	0 1	1 1	
DEC	SUM PEAK DAY/HR	0.000 0.000 31/24	0.000 0.000 31/24	0.000 0.000 0/ 0	529.659 0.712 31/24	CMP FAN	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	
YR	SUM PEAK MON/DAY	13.225 27.294 8/10	1071.968 2.393 8/10	1071.968 2.393 8/10	6236.361 0.712 12/31	CMP FAN	0 0	0 0	1404 0	38 0	0 0	0 0	0 0	0 0	0 0	0 1442	1442 1442	

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-G ZONE LOADS SUMMARY IN

SYSTEM-1

FOR 1-Fitness/Meetin

WEATHER FILE- SEATTLE SEATTLE-T WA

- - - - - C O O L I N G - - - - -					- - - - - H E A T I N G - - - - -					- - - E L E C - - -		
MONTH	COOLING ENERGY (MBTU)	TIME OF MAX DY HR	DRY- BULB TEMP	WET- BULB TEMP	MAXIMUM COOLING LOAD (KBTU/HR)	HEATING ENERGY (MBTU)	TIME OF MAX DY HR	DRY- BULB TEMP	WET- BULB TEMP	MAXIMUM HEATING LOAD (KBTU/HR)	ELEC- TRICAL ENERGY (KWH)	MAXIMUM ELEC LOAD (KW)
JAN	0.00000				0.000	0.000				0.000	664.	1.804
FEB	0.00000				0.000	0.000				0.000	599.	1.804
MAR	0.00000				0.000	0.000				0.000	664.	1.804
APR	0.00000				0.000	0.000				0.000	642.	1.804
MAY	0.00000				0.000	0.000				0.000	664.	1.804
JUN	0.00000				0.000	0.000				0.000	642.	1.804
JUL	0.00000				0.000	0.000				0.000	664.	1.804
AUG	0.00000				0.000	0.000				0.000	664.	1.804
SEP	0.00000				0.000	0.000				0.000	642.	1.804
OCT	0.00000				0.000	0.000				0.000	664.	1.804
NOV	0.00000				0.000	0.000				0.000	642.	1.804
DEC	0.00000				0.000	0.000				0.000	664.	1.804
TOTAL	0.000					0.000					7812.	
MAX					0.000					0.000		1.804

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-F ZONE DEMAND SUMMARY IN SYSTEM-1 FOR 1-Fitness/Meetin

WEATHER FILE- SEATTLE SEATTLE-T WA

- - - D E M A N D S - - - - - B A S E B O A R D S - - - - - T E M P E R A T U R E S - - - - L O A D S N O T M E T - -

MONTH	HEAT EXTRACTION ENERGY (MBTU)	HEAT ADDITION ENERGY (MBTU)	BASEBOARD ENERGY (MBTU)	MAXIMUM BASEBOARD LOAD (KBTU/HR)	MAXIMUM ZONE TEMP (F)	MINIMUM ZONE TEMP (F)	HOURS UNDER HEATED	HOURS UNDER COOLED
JAN	0.00058	-4.309	0.00000	0.000	71.0	70.2	0	0
FEB	0.05669	-2.875	0.00000	0.000	74.7	70.1	0	0
MAR	0.37040	-1.531	0.00000	0.000	75.2	70.4	0	0
APR	1.19948	-0.529	0.00000	0.000	79.3	70.5	0	0
MAY	2.14813	-0.087	0.00000	0.000	79.3	70.7	0	0
JUN	3.05000	0.000	0.00000	0.000	79.4	70.9	0	0
JUL	4.00061	0.000	0.00000	0.000	79.6	73.3	0	0
AUG	3.76212	0.000	0.00000	0.000	79.6	72.8	0	0
SEP	1.88363	-0.052	0.00000	0.000	79.3	70.7	0	0
OCT	0.49668	-0.842	0.00000	0.000	77.1	70.6	0	0
NOV	0.07290	-2.545	0.00000	0.000	75.1	70.4	0	0
DEC	0.00000	-4.011	0.00000	0.000	70.9	70.3	0	0

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-0 TEMPERATURE SCATTER PLOT SYSTEM-1

FOR 1-Fitness/Meetin

WEATHER FILE- SEATTLE SEATTLE-T WA

TOTAL HOURS AT TEMPERATURE LEVEL AND TIME OF DAY

HOUR	1AM	2	3	4	5	6	7	8	9	10	11	12	1PM	2	3	4	5	6	7	8	9	10	11	12	TOTAL
ABOVE 85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80-85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75-80	81	70	59	48	44	53	72	90	101	110	122	127	135	142	145	146	145	147	141	136	133	127	2	94	2470
70-75	284	295	306	317	321	312	293	275	264	255	243	238	230	223	220	219	220	218	224	229	232	238	363	271	6290
65-70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60-65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BELOW 60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	=====

*
* NOTE 1)THE TEMPERATURE COUNTS ARE MADE ONLY FOR
* THE HOURS WHEN THE FANS ARE ON
*

Baseline

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

WEATHER FILE- SEATTLE SEATTLE-T WA

EnergyPro 9.4 by EnergySoft User Number: 6394 ID: 810-010 Page 216 of 280

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-B SYSTEM MONTHLY LOADS SUMMARY FOR

SYSTEM-2

WEATHER FILE- SEATTLE SEATTLE-T WA

	- Z O N E C O O L I N G -	- Z O N E H E A T I N G -	- B A S E B O A R D S -	--PREHEAT OR FURN FAN ELEC--				
	COOLING BY ZONE COILS OR NAT VENTIL (MBTU)	MAXIMUM COOLING BY ZONE COILS OR NAT VENTIL (KBTU/HR)	HEATING BY ZONE COILS OR FURNACE (MBTU)	MAXIMUM HEATING BY ZONE COILS OR FURNACE (KBTU/HR)	BASEBOARD HEATING ENERGY (MBTU)	MAXIMUM BASEBOARD HEATING ENERGY (KBTU/HR)	PREHEAT COIL ENERGY OR ELEC FOR FURN FAN (MBTU)	MAXIMUM PREHEAT COIL ENERGY OR ELEC FOR FURN FAN (KBTU/HR)
MONTH								
JAN	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
FEB	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
MAR	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
APR	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
MAY	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
JUN	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
JUL	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
AUG	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
SEP	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
OCT	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
NOV	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
DEC	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0TOTAL	0.000		0.000		0.000		0.000	
0MAX		0.000		0.000		0.000		0.000

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-C SYSTEM MONTHLY LOAD HOURS FOR

SYSTEM-2

WEATHER FILE- SEATTLE SEATTLE-T WA

--COINCIDENT LOADS--												
MONTH	HOURS COOLING LOAD	HOURS HEATING LOAD	HOURS COINCIDENT COOL-HEAT LOAD	HOURS FLOATING	HOURS HEATING AVAIL.	HOURS COOLING AVAIL.	HOURS FANS ON	HOURS FANS CYCLE ON	HOURS NIGHT VENTING	HOURS FLOATING WHEN FANS ON	HEATING LOAD AT COOLING PEAK (KBTU/HR)	ELECTRIC LOAD AT COOLING PEAK (KW)
JAN	0	735	0	9	744	744	744	0	0	9	-8.202	3.570
FEB	2	569	0	101	672	672	672	0	0	101	0.000	3.781
MAR	7	449	0	288	744	744	744	0	0	288	0.000	3.717
APR	67	196	0	457	720	720	720	0	0	457	0.000	5.839
MAY	162	37	0	545	744	744	744	0	0	545	0.000	5.469
JUN	285	1	0	434	720	720	720	0	0	434	0.000	6.079
JUL	425	1	0	318	744	744	744	0	0	318	0.000	6.808
AUG	475	1	0	268	744	744	744	0	0	268	0.000	7.324
SEP	249	11	0	460	720	720	720	0	0	460	0.000	4.756
OCT	64	271	0	409	744	744	744	0	0	409	0.000	3.637
NOV	7	595	0	118	720	720	720	0	0	118	0.000	4.288
DEC	2	723	0	19	744	744	744	0	0	19	0.000	2.186
ANNUAL	1745	3589	0	3426	8760	8760	8760	0	0	3426		

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-H SYSTEM MONTHLY LOADS SUMMARY FOR

SYSTEM-2

WEATHER FILE- SEATTLE SEATTLE-T WA

MONTH	- - F A N E L E C - - -		- - F U E L H E A T - -		- - F U E L C O O L - -		- E L E C H E A T - -		- E L E C C O O L - -	
	FAN ENERGY (KWH)	MAXIMUM FAN LOAD (KW)	GAS OIL ENERGY (MBTU)	MAXIMUM GAS OIL LOAD (KBTU/HR)	GAS OIL ENERGY (MBTU)	MAXIMUM GAS OIL LOAD (KBTU/HR)	ELECTRIC ENERGY (KWH)	MAXIMUM ELECTRIC LOAD (KW)	ELECTRIC ENERGY (KWH)	MAXIMUM ELECTRIC LOAD (KW)
JAN	803.	1.080	0.000	0.000	0.000	0.000	0.	0.000	0.	0.000
FEB	726.	1.080	0.000	0.000	0.000	0.000	0.	0.000	0.	0.211
MAR	803.	1.080	0.000	0.000	0.000	0.000	0.	0.000	0.	0.147
APR	778.	1.080	0.000	0.000	0.000	0.000	0.	0.000	60.	2.516
MAY	803.	1.080	0.000	0.000	0.000	0.000	0.	0.000	155.	2.171
JUN	778.	1.080	0.000	0.000	0.000	0.000	0.	0.000	307.	2.756
JUL	803.	1.080	0.000	0.000	0.000	0.000	0.	0.000	564.	3.485
AUG	803.	1.080	0.000	0.000	0.000	0.000	0.	0.000	656.	4.002
SEP	778.	1.080	0.000	0.000	0.000	0.000	0.	0.000	272.	2.599
OCT	803.	1.080	0.000	0.000	0.000	0.000	0.	0.000	30.	1.480
NOV	778.	1.080	0.000	0.000	0.000	0.000	0.	0.000	1.	0.718
DEC	803.	1.080	0.000	0.000	0.000	0.000	0.	0.000	0.	0.029
0TOTAL	9461.		0.000		0.000		0.		2044.	
0MAX		1.080		0.000		0.000		0.000		4.002

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-I SYSTEM MONTHLY SENSIBLE LATENT SUMMARY FOR SYSTEM-2

WEATHER FILE- SEATTLE SEATTLE-T WA

MONTH	SENSIBLE COOLING ENERGY (MBTU)	LATENT COOLING ENERGY (MBTU)	MAX TOTAL COOLING ENERGY (KBTU/HR)	SENSIBLE HEAT RATIO AT MAX	TIME OF MAX DY HR	SENSIBLE HEATING ENERGY (MBTU)	LATENT HEATING ENERGY (MBTU)	MAX TOTAL HEATING ENERGY (KBTU/HR)
JAN	0.00000	0.00000	0.000			-9.70605	0.00000	-26.33243
FEB	0.00227	0.00053	2.635	0.799	27 24	-6.37486	0.00000	-29.685
MAR	0.00383	0.00016	1.838	0.959	14 24	-3.36615	0.00000	-17.245
APR	0.66899	0.06066	30.695	0.906	27 19	-1.21627	0.00000	-16.841
MAY	1.70472	0.20810	27.248	0.806	7 19	-0.13851	0.00000	-8.209
JUN	3.41658	0.38789	34.047	0.880	28 19	-0.00003	0.00000	-0.032
JUL	5.95103	1.02318	40.648	0.868	24 19	-0.00001	0.00000	-0.012
AUG	6.62303	1.38211	45.363	0.856	10 19	-0.00014	0.00000	-0.145
SEP	2.82160	0.57672	32.728	0.858	14 17	-0.02869	0.00000	-4.137
OCT	0.34604	0.02402	18.339	1.000	4 16	-1.27720	0.00000	-10.980
NOV	0.00945	0.00374	8.983	0.699	4 24	-5.35882	0.00000	-19.558
DEC	0.00048	0.00000	0.366	1.000	10 14	-8.67490	0.00000	-23.910
TOTAL	21.548	3.667				-36.142	0.000	
MAX			45.363	0.856				-29.685

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-J SYSTEM PEAK HEATING AND COOLING DAYS FOR

SYSTEM-2

WEATHER FILE- SEATTLE SEATTLE-T WA

- - - - C O O L I N G - - - -					- - - H E A T I N G - - -			D A Y C O O L I N G P E A K			
AUG 10					FEB 19			AUG 10			
HOURLY COOLING LOAD (KBTU)	SENSIBLE HEAT RATIO	DRY- BULB TEMP	WET- BULB TEMP	HOURLY HEATING LOAD (KBTU)	DRY- BULB TEMP	WET- BULB TEMP	HOURLY COOLING LOAD (KBTU)	SENSIBLE HEAT RATIO	DRY- BULB TEMP	WET- BULB TEMP	
1	11.588	0.723	66.F	59.F	-25.813	25.F	24.F	11.588	0.723	66.F	59.F
2	6.676	0.719	62.F	57.F	-26.940	24.F	23.F	6.676	0.719	62.F	57.F
3	8.289	0.699	65.F	59.F	-26.252	26.F	24.F	8.289	0.699	65.F	59.F
4	6.223	0.697	64.F	58.F	-28.665	23.F	22.F	6.223	0.697	64.F	58.F
5	6.246	0.686	63.F	58.F	-29.685	22.F	21.F	6.246	0.686	63.F	58.F
6	9.734	0.679	63.F	59.F	-28.883	22.F	21.F	9.734	0.679	63.F	59.F
7	15.604	0.717	67.F	61.F	-27.309	23.F	22.F	15.604	0.717	67.F	61.F
8	18.754	0.764	70.F	62.F	-26.746	23.F	21.F	18.754	0.764	70.F	62.F
9	0.000	0.000	73.F	63.F	-22.777	26.F	24.F	0.000	0.000	73.F	63.F
10	15.168	0.771	74.F	63.F	-19.385	28.F	25.F	15.168	0.771	74.F	63.F
11	18.925	0.763	76.F	64.F	-17.637	29.F	25.F	18.925	0.763	76.F	64.F
12	22.947	0.784	79.F	65.F	-15.469	32.F	28.F	22.947	0.784	79.F	65.F
13	24.823	0.782	81.F	66.F	-12.491	35.F	29.F	24.823	0.782	81.F	66.F
14	31.516	0.814	85.F	67.F	-10.328	36.F	29.F	31.516	0.814	85.F	67.F
15	39.639	0.877	86.F	66.F	-9.356	36.F	29.F	39.639	0.877	86.F	66.F
16	41.908	0.903	88.F	66.F	-8.288	37.F	30.F	41.908	0.903	88.F	66.F
17	42.165	0.902	89.F	66.F	-11.105	35.F	29.F	42.165	0.902	89.F	66.F
18	45.363	0.856	87.F	67.F	-14.936	32.F	28.F	45.363	0.856	87.F	67.F
19	42.190	0.888	86.F	65.F	-14.284	30.F	26.F	42.190	0.888	86.F	65.F
20	35.667	0.832	78.F	64.F	-13.510	30.F	26.F	35.667	0.832	78.F	64.F
21	29.477	0.816	73.F	62.F	-13.933	29.F	25.F	29.477	0.816	73.F	62.F
22	25.328	0.855	73.F	60.F	-14.843	29.F	26.F	25.328	0.855	73.F	60.F
23	33.888	0.810	65.F	60.F	-16.105	30.F	26.F	33.888	0.810	65.F	60.F
24	0.000	0.000	62.F	58.F	-16.894	29.F	25.F	0.000	0.000	62.F	58.F
-----					-----			-----			
SUM								532.120			
MAX	45.363				-29.685						

SYSTEM-TYPE	PSZ	SQFT/TON	562.9
COOLING PEAK	21.32 (BTU/HR- SQFT)	HEATING PEAK	-13.95 (BTU/HR- SQFT)
SUPPLY AIR PEAK FLOW	1.42 (CFM/SQFT)	MIN-OA/PERSON	20.00 (CFM)
OA FRAC AT CLG PEAK	0.141	OA FRAC AT HTG PEAK	0.141

* ASTERISKS INDICATE HOURS LOADS NOT MET

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-K SPACE TEMPERATURE SUMMARY

SYSTEM-2

WEATHER FILE- SEATTLE SEATTLE-T WA

MONTH	A V E R A G E S P A C E T E M P					AVERAGE TEMPERATURE DIFFERENCE			SUMMED TEMP DIFFERENCE		HUMIDITY RATIO DIFFERENCE BETWEEN OUTDOOR AND ROOM AIR (FRAC.OR MULT.)
	ALL HOURS (F)	COOLING HOURS (F)	HEATING HOURS (F)	FAN ON HOURS (F)	FAN OFF HOURS (F)	BETWEEN OUTDOOR& ROOM AIR ALL HOURS (F)	BETWEEN OUTDOOR& ROOM AIR FAN ON HOURS (F)	BETWEEN OUTDOOR& ROOM AIR FAN OFF HOURS (F)	BETWEEN OUTDOOR& ROOM AIR HEATING HOURS (F)	BETWEEN OUTDOOR& ROOM AIR ALL HOURS (F)	
JAN	70.68		70.68	70.68	0.00	-30.60	-30.60	0.00	942.14	948.46	-0.00144
FEB	70.94	72.56	70.73	70.94	0.00	-28.46	-28.46	0.00	714.96	796.84	-0.00145
MAR	71.45	71.90	70.82	71.45	0.00	-24.47	-24.47	0.00	499.27	758.49	-0.00145
APR	73.08	76.62	70.87	73.08	0.00	-21.55	-21.55	0.00	216.99	647.83	-0.00141
MAY	74.81	77.10	71.15	74.81	0.00	-19.46	-19.46	0.00	38.36	603.37	-0.00132
JUN	76.53	77.30	77.00	76.53	0.00	-16.48	-16.48	0.00	0.83	494.73	-0.00119
JUL	77.26	77.55	76.97	77.26	0.00	-13.46	-13.46	0.00	0.79	426.62	-0.00077
AUG	77.26	77.54	76.98	77.26	0.00	-11.42	-11.42	0.00	0.87	379.34	-0.00053
SEP	75.95	77.27	70.94	75.95	0.00	-16.80	-16.80	0.00	10.97	503.95	-0.00106
OCT	72.87	76.48	70.94	72.87	0.00	-20.31	-20.31	0.00	250.82	629.62	-0.00144
NOV	71.13	72.77	70.78	71.13	0.00	-24.61	-24.61	0.00	645.55	738.43	-0.00146
DEC	70.73	71.05	70.71	70.73	0.00	-28.98	-28.98	0.00	880.71	898.40	-0.00144
ANNUAL	73.57	77.29	70.77	73.57	0.00	-21.34	-21.34	0.00	4202.29	7826.07	-0.00124

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-L FAN ELECTRIC ENERGY

SYSTEM-2

WEATHER FILE- SEATTLE SEATTLE-T WA

MONTH	FAN ELEC DURING HEATING (KWH)	FAN ELEC DURING COOLING (KWH)	FAN ELEC DURING HEAT & COOL (KWH)	FAN ELEC DURING FLOATING (KWH)	----- Number of hours within each PART LOAD range -----										----- TOTAL	
					00	10	20	30	40	50	60	70	80	90	100	100
					10	20	30	40	50	60	70	80	90	100	+	HOURS
JAN	793.767	0.000	0.000	9.720	0	0	0	0	0	0	0	0	0	0	744	744
FEB	614.494	2.160	0.000	109.075	0	0	0	0	0	0	0	0	0	0	672	672
MAR	484.899	7.560	0.000	311.026	0	0	0	0	0	0	0	0	0	0	744	744
APR	211.671	72.357	0.000	493.539	0	0	0	0	0	0	0	0	0	0	720	720
MAY	39.958	174.952	0.000	588.575	0	0	0	0	0	0	0	0	0	0	744	744
JUN	1.080	307.787	0.000	468.700	0	0	0	0	0	0	0	0	0	0	720	720
JUL	1.080	458.980	0.000	343.425	0	0	0	0	0	0	0	0	0	0	744	744
AUG	1.080	512.978	0.000	289.427	0	0	0	0	0	0	0	0	0	0	744	744
SEP	11.879	268.908	0.000	496.779	0	0	0	0	0	0	0	0	0	0	720	720
OCT	292.667	69.117	0.000	441.701	0	0	0	0	0	0	0	0	0	0	744	744
NOV	642.573	7.560	0.000	127.434	0	0	0	0	0	0	0	0	0	0	720	720
DEC	780.807	2.160	0.000	20.519	0	0	0	0	0	0	0	0	0	0	744	744
ANNUAL	3875.755	1884.522	0.000	3699.742	0	0	0	0	0	0	0	0	0	0	8760	8760

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-N RELATIVE HUMIDITY SCATTER PLOT FOR

SYSTEM-2

WEATHER FILE- SEATTLE SEATTLE-T WA

TOTAL HOURS AT RELATIVE HUMIDITY LEVEL AND TIME OF DAY

HOUR	1AM	2	3	4	5	6	7	8	9	10	11	12	1PM	2	3	4	5	6	7	8	9	10	11	12	TOTAL
90-100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
60-69	4	6	6	9	5	6	3	0	0	0	0	0	0	0	0	0	1	3	4	5	4	3	3	5	67
50-59	86	89	96	104	113	106	80	43	38	30	31	26	20	16	12	13	15	33	36	33	37	43	36	103	1239
40-49	184	179	176	167	164	170	182	171	143	141	122	105	104	90	86	86	105	134	185	203	199	213	238	170	3717
30-39	74	75	71	67	68	67	84	123	138	145	166	186	186	196	199	203	186	162	122	105	108	89	69	68	2957
20-29	17	15	15	17	14	16	16	28	41	42	40	41	47	55	58	53	48	27	18	18	17	17	19	19	698
10-19	0	1	1	1	1	0	0	0	5	7	6	7	8	8	10	10	10	6	0	0	0	0	0	0	81
0-09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	=====

*
* NOTE 1)THE RELATIVE HUMIDITY COUNTS ARE MADE ONLY FOR *
* THE HOURS WHEN THE FANS ARE ON *
*

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-P LOAD, ENERGY AND PART LOAD HEATING IN SYSTEM-2

WEATHER FILE- SEATTLE SEATTLE-T WA

UNIT TYPE is PSZ

HEATING-CAPACITY = -64.307 (KBTU/HR) HEATING-EIR = 0.370 (BTU/BTU) SUPPLY-FLOW = 3019. (CFM)

MONTH	SUM PEAK DAY/HR	UNIT LOAD	ENERGY USE	COMPRESSOR	FAN ENERGY	Number of hours within each PART LOAD range												TOTAL	
		(MBTU)	(KWH)	(KWH)	(KWH)													RUN	HOURS
		(KBTU/HR)	(KW)	(KW)	(KW)	00 10	10 20	20 30	30 40	40 50	50 60	60 70	70 80	80 90	90 100	100 +			
JAN	SUM PEAK DAY/HR	-9.706 -26.332 15/ 8	0.000 0.000 31/24	0.000 0.000 0/ 0	803.486 1.080 31/24	CMP FAN	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	735	735		
FEB	SUM PEAK DAY/HR	-6.375 -29.685 19/ 5	0.000 0.000 28/24	0.000 0.000 0/ 0	725.730 1.080 28/24	CMP FAN	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	569	569		
MAR	SUM PEAK DAY/HR	-3.366 -17.245 24/ 6	0.000 0.000 31/24	0.000 0.000 0/ 0	803.486 1.080 31/24	CMP FAN	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	449	449		
APR	SUM PEAK DAY/HR	-1.216 -16.841 19/ 5	0.000 0.000 30/ 1	0.000 0.000 0/ 0	777.568 1.080 30/ 1	CMP FAN	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	196	196		
MAY	SUM PEAK DAY/HR	-0.139 -8.209 18/ 6	0.000 0.000 31/ 1	0.000 0.000 0/ 0	803.486 1.080 31/ 1	CMP FAN	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	37	37		
JUN	SUM PEAK DAY/HR	0.000 -0.032 15/23	0.000 0.000 30/ 1	0.000 0.000 0/ 0	777.568 1.080 30/ 1	CMP FAN	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	1	1		
JUL	SUM PEAK DAY/HR	0.000 -0.012 28/ 5	0.000 0.000 31/ 1	0.000 0.000 0/ 0	803.486 1.080 31/ 1	CMP FAN	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	1	1		
AUG	SUM PEAK DAY/HR	0.000 -0.145 15/ 4	0.000 0.000 31/ 1	0.000 0.000 0/ 0	803.486 1.080 31/ 1	CMP FAN	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	1	1		
SEP	SUM PEAK DAY/HR	-0.029 -4.137 27/ 5	0.000 0.000 30/ 1	0.000 0.000 0/ 0	777.568 1.080 30/ 1	CMP FAN	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	11	11		
OCT	SUM PEAK DAY/HR	-1.277 -10.980 29/ 5	0.000 0.000 31/24	0.000 0.000 0/ 0	803.486 1.080 31/24	CMP FAN	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	271	271		
NOV	SUM PEAK DAY/HR	-5.359 -19.558 13/ 5	0.000 0.000 30/24	0.000 0.000 0/ 0	777.568 1.080 30/24	CMP FAN	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	595	595		
DEC	SUM PEAK DAY/HR	-8.675 -23.910 26/ 4	0.000 0.000 31/24	0.000 0.000 0/ 0	803.486 1.080 31/24	CMP FAN	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	723	723		
YR	SUM PEAK MON/DAY	-36.142 -29.685 2/19	0.000 0.000 12/31	0.000 0.000 0/ 0	9460.789 1.080 12/31	CMP FAN	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	3589	3589		

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-P LOAD, ENERGY AND PART LOAD COOLING IN SYSTEM-2

WEATHER FILE- SEATTLE SEATTLE-T WA

UNIT TYPE is PSZ

COOLING-CAPACITY = 120.078 (KBTU/HR) COOLING-EIR = 0.312 (BTU/BTU) SUPPLY-FLOW = 3019. (CFM)

MONTH		UNIT LOAD SUM (KBTU/HR)	ENERGY USE (KWH) (KW)	COMPRESSOR (KWH) (KW)	FAN ENERGY (KWH) (KW)	----- Number of hours within each PART LOAD range -----											TOTAL RUN HOURS
						00	10	20	30	40	50	60	70	80	90	100	
						10	20	30	40	50	60	70	80	90	100	+	
JAN	SUM	0.000	0.000	0.000	803.486	CMP	0	0	0	0	0	0	0	0	0	0	0
	PEAK	0.000	0.000	0.000	1.080	FAN	0	0	0	0	0	0	0	0	0	0	0
	DAY/HR	31/24	31/24	0/ 0	31/24												
FEB	SUM	0.003	0.224	0.224	725.730	CMP	0	0	2	0	0	0	0	0	0	0	2
	PEAK	2.635	0.211	0.211	1.080	FAN	0	0	0	0	0	0	0	0	0	2	2
	DAY/HR	27/24	27/24	27/24	28/24												
MAR	SUM	0.004	0.320	0.320	803.486	CMP	0	0	7	0	0	0	0	0	0	0	7
	PEAK	1.838	0.147	0.147	1.080	FAN	0	0	0	0	0	0	0	0	0	7	7
	DAY/HR	14/24	14/24	14/24	31/24												
APR	SUM	0.730	59.630	59.630	777.568	CMP	0	0	67	0	0	0	0	0	0	0	67
	PEAK	30.695	2.516	2.516	1.080	FAN	0	0	0	0	0	0	0	0	0	67	67
	DAY/HR	27/19	27/19	27/19	30/ 1												
MAY	SUM	1.913	154.528	154.528	803.486	CMP	0	0	162	0	0	0	0	0	0	0	162
	PEAK	27.248	2.171	2.171	1.080	FAN	0	0	0	0	0	0	0	0	0	162	162
	DAY/HR	7/19	4/19	4/19	31/ 1												
JUN	SUM	3.804	306.549	306.549	777.568	CMP	0	0	285	0	0	0	0	0	0	0	285
	PEAK	34.047	2.756	2.756	1.080	FAN	0	0	0	0	0	0	0	0	0	285	285
	DAY/HR	28/19	28/19	28/19	30/ 1												
JUL	SUM	6.974	564.210	564.210	803.486	CMP	0	0	418	7	0	0	0	0	0	0	425
	PEAK	40.648	3.485	3.485	1.080	FAN	0	0	0	0	0	0	0	0	0	425	425
	DAY/HR	24/19	24/19	24/19	31/ 1												
AUG	SUM	8.005	655.664	655.664	803.486	CMP	0	0	447	28	0	0	0	0	0	0	475
	PEAK	45.363	4.002	4.002	1.080	FAN	0	0	0	0	0	0	0	0	0	475	475
	DAY/HR	10/19	10/19	10/19	31/ 1												
SEP	SUM	3.398	272.193	272.193	777.568	CMP	0	0	249	0	0	0	0	0	0	0	249
	PEAK	32.728	2.599	2.599	1.080	FAN	0	0	0	0	0	0	0	0	0	249	249
	DAY/HR	14/17	14/17	14/17	30/ 1												
OCT	SUM	0.370	29.624	29.624	803.486	CMP	0	0	64	0	0	0	0	0	0	0	64
	PEAK	18.339	1.480	1.480	1.080	FAN	0	0	0	0	0	0	0	0	0	64	64
	DAY/HR	4/16	4/16	4/16	31/24												
NOV	SUM	0.013	1.054	1.054	777.568	CMP	0	0	7	0	0	0	0	0	0	0	7
	PEAK	8.983	0.718	0.718	1.080	FAN	0	0	0	0	0	0	0	0	0	7	7
	DAY/HR	4/24	4/24	4/24	30/24												
DEC	SUM	0.000	0.038	0.038	803.486	CMP	0	0	2	0	0	0	0	0	0	0	2
	PEAK	0.366	0.029	0.029	1.080	FAN	0	0	0	0	0	0	0	0	0	2	2
	DAY/HR	10/14	10/14	10/14	31/24												
YR	SUM	25.215	2044.034	2044.034	9460.789	CMP	0	0	1710	35	0	0	0	0	0	0	1745
	PEAK	45.363	4.002	4.002	1.080	FAN	0	0	0	0	0	0	0	0	0	1745	1745
	MON/DAY	8/10	8/10	8/10	12/31												

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-G ZONE LOADS SUMMARY IN

SYSTEM-2

FOR 2-Gathering

WEATHER FILE- SEATTLE SEATTLE-T WA

- - - - - C O O L I N G - - - - -					- - - - - H E A T I N G - - - - -					- - - E L E C - - -		
MONTH	COOLING ENERGY (MBTU)	TIME OF MAX DY HR	DRY- BULB TEMP	WET- BULB TEMP	MAXIMUM COOLING LOAD (KBTU/HR)	HEATING ENERGY (MBTU)	TIME OF MAX DY HR	DRY- BULB TEMP	WET- BULB TEMP	MAXIMUM HEATING LOAD (KBTU/HR)	ELEC- TRICAL ENERGY (KWH)	MAXIMUM ELEC LOAD (KW)
JAN	0.00000				0.000	0.000				0.000	1178.	3.375
FEB	0.00000				0.000	0.000				0.000	1064.	3.375
MAR	0.00000				0.000	0.000				0.000	1178.	3.375
APR	0.00000				0.000	0.000				0.000	1140.	3.375
MAY	0.00000				0.000	0.000				0.000	1178.	3.375
JUN	0.00000				0.000	0.000				0.000	1140.	3.375
JUL	0.00000				0.000	0.000				0.000	1178.	3.375
AUG	0.00000				0.000	0.000				0.000	1178.	3.375
SEP	0.00000				0.000	0.000				0.000	1140.	3.375
OCT	0.00000				0.000	0.000				0.000	1178.	3.375
NOV	0.00000				0.000	0.000				0.000	1140.	3.375
DEC	0.00000				0.000	0.000				0.000	1178.	3.375
TOTAL	0.000					0.000					13871.	
MAX					0.000					0.000		3.375

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-F ZONE DEMAND SUMMARY IN SYSTEM-2 FOR 2-Gathering

WEATHER FILE- SEATTLE SEATTLE-T WA

- - - D E M A N D S - - - - - B A S E B O A R D S - - - - - T E M P E R A T U R E S - - - - L O A D S N O T M E T - -

MONTH	HEAT EXTRACTION ENERGY (MBTU)	HEAT ADDITION ENERGY (MBTU)	BASEBOARD ENERGY (MBTU)	MAXIMUM BASEBOARD LOAD (KBTU/HR)	MAXIMUM ZONE TEMP (F)	MINIMUM ZONE TEMP (F)	HOURS UNDER HEATED	HOURS UNDER COOLED
JAN	0.35566	-1.949	0.00000	0.000	71.6	70.3	0	0
FEB	1.29386	-1.074	0.00000	0.000	76.5	70.2	0	0
MAR	2.89892	-0.285	0.00000	0.000	76.9	70.6	0	0
APR	4.42955	-0.085	0.00000	0.000	79.4	70.6	0	0
MAY	5.96221	0.000	0.00000	0.000	79.3	70.8	0	0
JUN	6.75893	0.000	0.00000	0.000	79.4	71.9	0	0
JUL	8.44244	0.000	0.00000	0.000	79.5	74.5	0	0
AUG	8.44757	0.000	0.00000	0.000	79.6	74.5	0	0
SEP	6.22769	0.000	0.00000	0.000	79.4	70.9	0	0
OCT	3.70325	-0.042	0.00000	0.000	79.2	70.7	0	0
NOV	1.30754	-0.790	0.00000	0.000	77.3	70.5	0	0
DEC	0.62052	-1.732	0.00000	0.000	72.0	70.4	0	0

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-0 TEMPERATURE SCATTER PLOT SYSTEM-2

FOR 2-Gathering

WEATHER FILE- SEATTLE SEATTLE-T WA

TOTAL HOURS AT TEMPERATURE LEVEL AND TIME OF DAY

HOUR	1AM	2	3	4	5	6	7	8	9	10	11	12	1PM	2	3	4	5	6	7	8	9	10	11	12	TOTAL
ABOVE 85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80-85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75-80	122	120	110	96	97	103	108	117	124	131	137	147	157	160	169	169	168	171	171	168	162	156	4	125	3192
70-75	243	245	255	269	268	262	257	248	241	234	228	218	208	205	196	196	197	194	194	197	203	209	361	240	5568
65-70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60-65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BELOW 60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	=====

*
* NOTE 1)THE TEMPERATURE COUNTS ARE MADE ONLY FOR
* THE HOURS WHEN THE FANS ARE ON
*

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-A SYSTEM MONTHLY LOADS SUMMARY FOR

SYSTEM-3

WEATHER FILE- SEATTLE SEATTLE-T WA

	C O O L I N G						H E A T I N G						E L E C	
MONTH	COOLING ENERGY (MBTU)	TIME OF MAX DY HR	DRY- BULB TEMP	WET- BULB TEMP	MAXIMUM COOLING LOAD (KBTU/HR)	HEATING ENERGY (MBTU)	TIME OF MAX DY HR	DRY- BULB TEMP	WET- BULB TEMP	MAXIMUM HEATING LOAD (KBTU/HR)	ELEC- TRICAL ENERGY (KWH)	MAXIMUM ELEC LOAD (KW)		
JAN	0.00000				0.000	-1.639	15 8	25.F	23.F	-4.059	274.	0.556		
FEB	0.00010	27 11	57.F	50.F	0.087	-1.163	19 5	22.F	21.F	-4.478	248.	0.556		
MAR	0.00053	18 11	54.F	47.F	0.106	-0.701	1 5	32.F	29.F	-2.889	274.	0.556		
APR	0.08512	27 19	79.F	61.F	3.989	-0.264	19 6	35.F	34.F	-2.584	272.	0.796		
MAY	0.30013	4 19	73.F	58.F	3.893	-0.039	18 6	42.F	42.F	-1.634	298.	0.803		
JUN	0.57422	28 19	78.F	62.F	5.003	0.000				0.000	311.	0.896		
JUL	1.00493	24 19	84.F	65.F	5.745	0.000				0.000	355.	0.972		
AUG	0.94937	10 19	87.F	67.F	6.037	0.000				0.000	352.	1.030		
SEP	0.29650	14 18	77.F	62.F	3.679	-0.019	27 5	45.F	45.F	-1.418	289.	0.728		
OCT	0.00493	4 18	69.F	52.F	0.999	-0.376	16 8	43.F	42.F	-1.914	275.	0.582		
NOV	0.00023	3 19	58.F	57.F	0.170	-1.001	11 7	32.F	32.F	-3.058	265.	0.556		
DEC	0.00000				0.000	-1.525	26 4	30.F	30.F	-3.583	274.	0.556		
TOTAL	3.216					-6.728					3489.			
MAX					6.037					-4.478		1.030		

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-B SYSTEM MONTHLY LOADS SUMMARY FOR

SYSTEM-3

WEATHER FILE- SEATTLE SEATTLE-T WA

	- Z O N E C O O L I N G -	- Z O N E H E A T I N G -	- B A S E B O A R D S -	- P R E H E A T O R F U R N F A N E L E C -				
	COOLING BY ZONE COILS OR NAT VENTIL (MBTU)	MAXIMUM COOLING BY ZONE COILS OR NAT VENTIL (KBTU/HR)	HEATING BY ZONE COILS OR FURNACE (MBTU)	MAXIMUM HEATING BY ZONE COILS OR FURNACE (KBTU/HR)	BASEBOARD HEATING ENERGY (MBTU)	MAXIMUM BASEBOARD HEATING ENERGY (KBTU/HR)	PREHEAT COIL ENERGY OR ELEC FOR FURN FAN (MBTU)	MAXIMUM PREHEAT COIL ENERGY OR ELEC FOR FURN FAN (KBTU/HR)
MONTH								
JAN	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
FEB	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
MAR	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
APR	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
MAY	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
JUN	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
JUL	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
AUG	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
SEP	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
OCT	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
NOV	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
DEC	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0TOTAL	0.000		0.000		0.000		0.000	
0MAX		0.000		0.000		0.000		0.000

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-C SYSTEM MONTHLY LOAD HOURS FOR

SYSTEM-3

WEATHER FILE- SEATTLE SEATTLE-T WA

- - - - - N U M B E R O F H O U R S - - - - - --COINCIDENT LOADS--												
MONTH	HOURS COOLING LOAD	HOURS HEATING LOAD	HOURS COINCIDENT COOL-HEAT LOAD	HOURS FLOATING	HOURS HEATING AVAIL.	HOURS COOLING AVAIL.	HOURS FANS ON	HOURS FANS CYCLE ON	HOURS NIGHT VENTING	HOURS FLOATING WHEN FANS ON	HEATING LOAD AT COOLING PEAK (KBTU/HR)	ELECTRIC LOAD AT COOLING PEAK (KW)
JAN	0	744	0	0	744	744	744	0	0	0	-1.518	0.508
FEB	2	629	0	41	672	672	672	0	0	41	0.000	0.345
MAR	8	565	0	171	744	744	744	0	0	171	0.000	0.347
APR	65	273	0	382	720	720	720	0	0	382	0.000	0.787
MAY	176	69	0	499	744	744	744	0	0	499	0.000	0.766
JUN	290	0	0	430	720	720	720	0	0	430	0.000	0.864
JUL	419	0	0	325	744	744	744	0	0	325	0.000	0.953
AUG	420	0	0	324	744	744	744	0	0	324	0.000	0.994
SEP	179	33	0	508	720	720	720	0	0	508	0.000	0.643
OCT	15	446	0	283	744	744	744	0	0	283	0.000	0.418
NOV	3	660	0	57	720	720	720	0	0	57	0.000	0.472
DEC	0	744	0	0	744	744	744	0	0	0	-1.439	0.508
ANNUAL	1577	4163	0	3020	8760	8760	8760	0	0	3020		

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-H SYSTEM MONTHLY LOADS SUMMARY FOR

SYSTEM-3

WEATHER FILE- SEATTLE SEATTLE-T WA

MONTH	- - F A N	E L E C - - -	- - F U E L	H E A T - -	- - F U E L	C O O L - -	- E L E C	H E A T - -	- E L E C	C O O L - -
	FAN ENERGY (KWH)	MAXIMUM FAN LOAD (KW)	GAS OIL ENERGY (MBTU)	MAXIMUM GAS OIL LOAD (KBTU/HR)	GAS OIL ENERGY (MBTU)	MAXIMUM GAS OIL LOAD (KBTU/HR)	ELECTRIC ENERGY (KWH)	MAXIMUM ELECTRIC LOAD (KW)	ELECTRIC ENERGY (KWH)	MAXIMUM ELECTRIC LOAD (KW)
JAN	162.	0.218	0.000	0.000	0.000	0.000	0.	0.000	0.	0.000
FEB	147.	0.218	0.000	0.000	0.000	0.000	0.	0.000	0.	0.007
MAR	162.	0.218	0.000	0.000	0.000	0.000	0.	0.000	0.	0.008
APR	157.	0.218	0.000	0.000	0.000	0.000	0.	0.000	7.	0.328
MAY	162.	0.218	0.000	0.000	0.000	0.000	0.	0.000	24.	0.311
JUN	157.	0.218	0.000	0.000	0.000	0.000	0.	0.000	46.	0.405
JUL	162.	0.218	0.000	0.000	0.000	0.000	0.	0.000	81.	0.494
AUG	162.	0.218	0.000	0.000	0.000	0.000	0.	0.000	78.	0.535
SEP	157.	0.218	0.000	0.000	0.000	0.000	0.	0.000	24.	0.304
OCT	162.	0.218	0.000	0.000	0.000	0.000	0.	0.000	0.	0.080
NOV	157.	0.218	0.000	0.000	0.000	0.000	0.	0.000	0.	0.014
DEC	162.	0.218	0.000	0.000	0.000	0.000	0.	0.000	0.	0.000
0TOTAL	1910.		0.000		0.000		0.		261.	
0MAX		0.218		0.000		0.000		0.000		0.535

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-I SYSTEM MONTHLY SENSIBLE LATENT SUMMARY FOR SYSTEM-3

WEATHER FILE- SEATTLE SEATTLE-T WA

MONTH	SENSIBLE COOLING ENERGY (MBTU)	LATENT COOLING ENERGY (MBTU)	MAX TOTAL COOLING ENERGY (KBTU/HR)	SENSIBLE HEAT RATIO AT MAX	TIME OF MAX DY HR	SENSIBLE HEATING ENERGY (MBTU)	LATENT HEATING ENERGY (MBTU)	MAX TOTAL HEATING ENERGY (KBTU/HR)
JAN	0.00000	0.00000	0.000			-1.63921	0.00000	-4.05943
FEB	0.00010	0.00000	0.087	1.000	27 11	-1.16346	0.00000	-4.478
MAR	0.00053	0.00000	0.106	1.000	18 11	-0.70145	0.00000	-2.889
APR	0.07741	0.00771	3.989	0.918	27 19	-0.26435	0.00000	-2.584
MAY	0.27046	0.02967	3.893	0.930	4 19	-0.03900	0.00000	-1.634
JUN	0.51977	0.05444	5.003	0.916	28 19	0.00000	0.00000	0.000
JUL	0.89063	0.11429	5.745	0.913	24 19	0.00000	0.00000	0.000
AUG	0.82048	0.12889	6.037	0.906	10 19	0.00000	0.00000	0.000
SEP	0.25072	0.04578	3.679	0.901	14 18	-0.01915	0.00000	-1.418
OCT	0.00449	0.00043	0.999	1.000	4 18	-0.37553	0.00000	-1.914
NOV	0.00015	0.00008	0.170	0.532	3 19	-1.00108	0.00000	-3.058
DEC	0.00000	0.00000	0.000			-1.52468	0.00000	-3.58325
TOTAL	2.835	0.381				-6.728	0.000	
MAX			6.037	0.906				-4.478

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-J SYSTEM PEAK HEATING AND COOLING DAYS FOR

SYSTEM-3

WEATHER FILE- SEATTLE SEATTLE-T WA

- - - - C O O L I N G - - - -					- - - H E A T I N G - - -			D A Y C O O L I N G P E A K			
AUG 10					FEB 19			AUG 10			
HOURLY COOLING LOAD (KBTU)	SENSIBLE HEAT RATIO	DRY- BULB TEMP	WET- BULB TEMP	HOURLY HEATING LOAD (KBTU)	DRY- BULB TEMP	WET- BULB TEMP	HOURLY COOLING LOAD (KBTU)	SENSIBLE HEAT RATIO	DRY- BULB TEMP	WET- BULB TEMP	
HOUR											
1	1.346	0.778	66.F	59.F	-3.933	25.F	24.F	1.346	0.778	66.F	59.F
2	0.807	0.703	62.F	57.F	-4.083	24.F	23.F	0.807	0.703	62.F	57.F
3	0.923	0.695	65.F	59.F	-4.033	26.F	24.F	0.923	0.695	65.F	59.F
4	0.622	0.675	64.F	58.F	-4.350	23.F	22.F	0.622	0.675	64.F	58.F
5	0.528	0.656	63.F	58.F	-4.478	22.F	21.F	0.528	0.656	63.F	58.F
6	0.968	0.689	63.F	59.F	-4.438	22.F	21.F	0.968	0.689	63.F	59.F
7	1.515	0.750	67.F	61.F	-4.253	23.F	22.F	1.515	0.750	67.F	61.F
8	1.848	0.793	70.F	62.F	-4.263	23.F	21.F	1.848	0.793	70.F	62.F
9	0.000	0.000	73.F	63.F	-3.964	26.F	24.F	0.000	0.000	73.F	63.F
10	1.520	0.829	74.F	63.F	-3.672	28.F	25.F	1.520	0.829	74.F	63.F
11	2.016	0.818	76.F	64.F	-3.469	29.F	25.F	2.016	0.818	76.F	64.F
12	2.605	0.840	79.F	65.F	-3.143	32.F	28.F	2.605	0.840	79.F	65.F
13	2.883	0.840	81.F	66.F	-2.760	35.F	29.F	2.883	0.840	81.F	66.F
14	3.906	0.878	85.F	67.F	-2.365	36.F	29.F	3.906	0.878	85.F	67.F
15	4.973	0.920	86.F	66.F	-2.169	36.F	29.F	4.973	0.920	86.F	66.F
16	5.523	0.938	88.F	66.F	-1.935	37.F	30.F	5.523	0.938	88.F	66.F
17	5.701	0.934	89.F	66.F	-2.205	35.F	29.F	5.701	0.934	89.F	66.F
18	6.037	0.906	87.F	67.F	-2.747	32.F	28.F	6.037	0.906	87.F	67.F
19	5.770	0.923	86.F	65.F	-2.773	30.F	26.F	5.770	0.923	86.F	65.F
20	4.543	0.880	78.F	64.F	-2.690	30.F	26.F	4.543	0.880	78.F	64.F
21	3.651	0.859	73.F	62.F	-2.734	29.F	25.F	3.651	0.859	73.F	62.F
22	3.217	0.879	73.F	60.F	-2.802	29.F	26.F	3.217	0.879	73.F	60.F
23	3.963	0.854	65.F	60.F	-2.939	30.F	26.F	3.963	0.854	65.F	60.F
24	0.000	0.000	62.F	58.F	-2.992	29.F	25.F	0.000	0.000	62.F	58.F
-----					-----			-----			
SUM								64.866			
MAX	6.037				-4.478						

SYSTEM-TYPE	PSZ	SQFT/TON	427.3
COOLING PEAK	28.08 (BTU/HR- SQFT)	HEATING PEAK	-20.83 (BTU/HR- SQFT)
SUPPLY AIR PEAK FLOW	2.03 (CFM/SQFT)	MIN-OA/PERSON	12.49 (CFM)
OA FRAC AT CLG PEAK	0.058	OA FRAC AT HTG PEAK	0.058

* ASTERISKS INDICATE HOURS LOADS NOT MET

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-K SPACE TEMPERATURE SUMMARY

SYSTEM-3

WEATHER FILE- SEATTLE SEATTLE-T WA

MONTH	A V E R A G E S P A C E T E M P					AVERAGE TEMPERATURE DIFFERENCE			SUMMED TEMP DIFFERENCE		HUMIDITY RATIO DIFFERENCE BETWEEN OUTDOOR AND ROOM AIR (FRAC.OR MULT.)
	ALL HOURS (F)	COOLING HOURS (F)	HEATING HOURS (F)	FAN ON HOURS (F)	FAN OFF HOURS (F)	BETWEEN OUTDOOR& ROOM AIR ALL HOURS (F)	BETWEEN OUTDOOR& ROOM AIR FAN ON HOURS (F)	BETWEEN OUTDOOR& ROOM AIR FAN OFF HOURS (F)	BETWEEN OUTDOOR& ROOM AIR HEATING HOURS (F)	BETWEEN OUTDOOR& ROOM AIR ALL HOURS (F)	
JAN	70.63		70.63	70.63	0.00	-30.55	-30.55	0.00	946.92	946.92	-0.00231
FEB	70.79	71.00	70.69	70.79	0.00	-28.31	-28.31	0.00	765.20	792.59	-0.00234
MAR	71.10	71.01	70.80	71.10	0.00	-24.12	-24.12	0.00	611.74	747.57	-0.00233
APR	72.67	76.26	70.84	72.67	0.00	-21.14	-21.14	0.00	290.35	635.54	-0.00223
MAY	74.64	76.99	70.99	74.64	0.00	-19.29	-19.29	0.00	70.76	598.03	-0.00201
JUN	76.34	77.31		76.34	0.00	-16.29	-16.29	0.00		489.00	-0.00170
JUL	77.17	77.57		77.17	0.00	-13.37	-13.37	0.00		423.90	-0.00102
AUG	77.00	77.49		77.00	0.00	-11.17	-11.17	0.00		371.76	-0.00086
SEP	74.96	76.88	70.99	74.96	0.00	-15.80	-15.80	0.00	28.41	474.03	-0.00180
OCT	71.71	73.46	70.87	71.71	0.00	-19.15	-19.15	0.00	394.54	593.62	-0.00233
NOV	70.87	71.00	70.75	70.87	0.00	-24.36	-24.36	0.00	694.92	730.72	-0.00235
DEC	70.66		70.66	70.66	0.00	-28.92	-28.92	0.00	896.42	896.42	-0.00231
ANNUAL	73.23	77.21	70.74	73.23	0.00	-21.00	-21.00	0.00	4699.25	7700.08	-0.00196

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-L FAN ELECTRIC ENERGY

SYSTEM-3

WEATHER FILE- SEATTLE SEATTLE-T WA

MONTH	FAN ELEC DURING HEATING (KWH)	FAN ELEC DURING COOLING (KWH)	FAN ELEC DURING HEAT & COOL (KWH)	FAN ELEC DURING FLOATING (KWH)	----- Number of hours within each PART LOAD range -----										----- TOTAL	
					00	10	20	30	40	50	60	70	80	90	100	100
					10	20	30	40	50	60	70	80	90	100	+	HOURS
JAN	162.228	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	744	744
FEB	137.153	0.436	0.000	8.940	0	0	0	0	0	0	0	0	0	0	672	672
MAR	123.197	1.744	0.000	37.287	0	0	0	0	0	0	0	0	0	0	744	744
APR	59.527	14.173	0.000	83.295	0	0	0	0	0	0	0	0	0	0	720	720
MAY	15.045	38.377	0.000	108.806	0	0	0	0	0	0	0	0	0	0	744	744
JUN	0.000	63.234	0.000	93.761	0	0	0	0	0	0	0	0	0	0	720	720
JUL	0.000	91.362	0.000	70.866	0	0	0	0	0	0	0	0	0	0	744	744
AUG	0.000	91.580	0.000	70.648	0	0	0	0	0	0	0	0	0	0	744	744
SEP	7.196	39.031	0.000	110.769	0	0	0	0	0	0	0	0	0	0	720	720
OCT	97.250	3.271	0.000	61.708	0	0	0	0	0	0	0	0	0	0	744	744
NOV	143.912	0.654	0.000	12.429	0	0	0	0	0	0	0	0	0	0	720	720
DEC	162.228	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	744	744
ANNUAL	907.790	343.862	0.000	658.526	0	0	0	0	0	0	0	0	0	0	8760	8760

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-N RELATIVE HUMIDITY SCATTER PLOT FOR

SYSTEM-3

WEATHER FILE- SEATTLE SEATTLE-T WA

TOTAL HOURS AT RELATIVE HUMIDITY LEVEL AND TIME OF DAY

HOUR	1AM	2	3	4	5	6	7	8	9	10	11	12	1PM	2	3	4	5	6	7	8	9	10	11	12	TOTAL
90-100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70-79	4	3	4	5	2	4	1	0	0	0	0	0	0	0	0	0	0	0	2	4	3	2	3	4	41
60-69	53	55	63	72	73	78	47	17	5	4	3	3	3	4	4	1	5	18	24	26	27	31	25	69	710
50-59	160	170	156	165	173	159	154	91	77	60	55	50	38	28	24	23	28	53	90	97	103	102	85	153	2294
40-49	121	113	116	95	92	100	136	185	160	165	160	133	124	118	90	84	87	132	145	145	165	186	225	115	3192
30-39	25	22	24	26	24	23	26	66	96	105	114	149	166	180	208	220	213	146	102	91	65	42	25	22	2180
20-29	2	2	2	2	1	1	1	6	25	26	29	26	30	31	33	31	26	15	2	2	2	2	2	2	301
10-19	0	0	0	0	0	0	0	0	2	5	4	4	4	4	6	6	6	1	0	0	0	0	0	0	42
0-09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	=====

*
* NOTE 1)THE RELATIVE HUMIDITY COUNTS ARE MADE ONLY FOR *
* THE HOURS WHEN THE FANS ARE ON *
*

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-P LOAD, ENERGY AND PART LOAD HEATING IN SYSTEM-3

WEATHER FILE- SEATTLE SEATTLE-T WA

UNIT TYPE is PSZ HEATING-CAPACITY = -9.313 (KBTU/HR) HEATING-EIR = 0.370 (BTU/BTU) SUPPLY-FLOW = 436. (CFM)

MONTH	SUM PEAK DAY/HR	UNIT LOAD	ENERGY USE	COMPRESSOR	FAN ENERGY	Number of hours within each PART LOAD range												TOTAL
		(MBTU)	(KWH)	(KWH)	(KWH)													RUN
		(KBTU/HR)	(KW)	(KW)	(KW)	00 10	10 20	20 30	30 40	40 50	50 60	60 70	70 80	80 90	90 100	100 +	HOURS	
JAN	SUM PEAK DAY/HR	-1.639 -4.059 15/ 8	0.000 0.000 31/24	0.000 0.000 0/ 0	162.228 0.218 31/24	CMP FAN	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 744	0 744	
FEB	SUM PEAK DAY/HR	-1.163 -4.478 19/ 5	0.000 0.000 28/24	0.000 0.000 0/ 0	146.529 0.218 28/24	CMP FAN	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 629	0 629	
MAR	SUM PEAK DAY/HR	-0.701 -2.889 1/ 5	0.000 0.000 31/24	0.000 0.000 0/ 0	162.228 0.218 31/24	CMP FAN	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 565	0 565	
APR	SUM PEAK DAY/HR	-0.264 -2.584 19/ 6	0.000 0.000 30/ 1	0.000 0.000 0/ 0	156.995 0.218 30/ 1	CMP FAN	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 273	0 273	
MAY	SUM PEAK DAY/HR	-0.039 -1.634 18/ 6	0.000 0.000 31/ 1	0.000 0.000 0/ 0	162.228 0.218 31/ 1	CMP FAN	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 69	0 69	
JUN	SUM PEAK DAY/HR	0.000 0.000 30/ 1	0.000 0.000 30/ 1	0.000 0.000 0/ 0	156.995 0.218 30/ 1	CMP FAN	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	
JUL	SUM PEAK DAY/HR	0.000 0.000 31/ 1	0.000 0.000 31/ 1	0.000 0.000 0/ 0	162.228 0.218 31/ 1	CMP FAN	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	
AUG	SUM PEAK DAY/HR	0.000 0.000 31/ 1	0.000 0.000 31/ 1	0.000 0.000 0/ 0	162.228 0.218 31/ 1	CMP FAN	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	
SEP	SUM PEAK DAY/HR	-0.019 -1.418 27/ 5	0.000 0.000 30/ 1	0.000 0.000 0/ 0	156.995 0.218 30/ 1	CMP FAN	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 33	0 33	
OCT	SUM PEAK DAY/HR	-0.376 -1.914 16/ 8	0.000 0.000 31/24	0.000 0.000 0/ 0	162.228 0.218 31/24	CMP FAN	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 446	0 446	
NOV	SUM PEAK DAY/HR	-1.001 -3.058 11/ 7	0.000 0.000 30/24	0.000 0.000 0/ 0	156.995 0.218 30/24	CMP FAN	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 660	0 660	
DEC	SUM PEAK DAY/HR	-1.525 -3.583 26/ 4	0.000 0.000 31/24	0.000 0.000 0/ 0	162.228 0.218 31/24	CMP FAN	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 744	0 744	
YR	SUM PEAK MON/DAY	-6.728 -4.478 2/19	0.000 0.000 12/31	0.000 0.000 0/ 0	1910.049 0.218 12/31	CMP FAN	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 4163	0 4163	

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-P LOAD, ENERGY AND PART LOAD COOLING IN SYSTEM-3

WEATHER FILE- SEATTLE SEATTLE-T WA

UNIT TYPE is PSZ COOLING-CAPACITY = 16.312 (KBTU/HR) COOLING-EIR = 0.312 (BTU/BTU) SUPPLY-FLOW = 436. (CFM)

MONTH	SUM PEAK	UNIT LOAD	ENERGY USE	COMPRESSOR	FAN ENERGY	Number of hours within each PART LOAD range												TOTAL
		(MBTU)	(KWH)	(KWH)	(KWH)													RUN
		(KBTU/HR)	(KW)	(KW)	(KW)	00	10	20	30	40	50	60	70	80	90	100	+	HOURS
						10	20	30	40	50	60	70	80	90	100			
JAN	SUM	0.000	0.000	0.000	162.228	CMP	0	0	0	0	0	0	0	0	0	0	0	0
	PEAK	0.000	0.000	0.000	0.218	FAN	0	0	0	0	0	0	0	0	0	0	0	0
	DAY/HR	31/24	31/24	0/ 0	31/24													
FEB	SUM	0.000	0.008	0.008	146.529	CMP	0	0	2	0	0	0	0	0	0	0	0	2
	PEAK	0.087	0.007	0.007	0.218	FAN	0	0	0	0	0	0	0	0	0	0	2	2
	DAY/HR	27/11	27/11	27/11	28/24													
MAR	SUM	0.001	0.042	0.042	162.228	CMP	0	0	8	0	0	0	0	0	0	0	0	8
	PEAK	0.106	0.008	0.008	0.218	FAN	0	0	0	0	0	0	0	0	0	0	8	8
	DAY/HR	18/11	18/11	18/11	31/24													
APR	SUM	0.085	6.982	6.982	156.995	CMP	0	0	65	0	0	0	0	0	0	0	0	65
	PEAK	3.989	0.328	0.328	0.218	FAN	0	0	0	0	0	0	0	0	0	0	65	65
	DAY/HR	27/19	27/19	27/19	30/ 1													
MAY	SUM	0.300	24.166	24.166	162.228	CMP	0	0	176	0	0	0	0	0	0	0	0	176
	PEAK	3.893	0.311	0.311	0.218	FAN	0	0	0	0	0	0	0	0	0	0	176	176
	DAY/HR	4/19	15/18	15/18	31/ 1													
JUN	SUM	0.574	46.102	46.102	156.995	CMP	0	0	288	2	0	0	0	0	0	0	0	290
	PEAK	5.003	0.405	0.405	0.218	FAN	0	0	0	0	0	0	0	0	0	0	290	290
	DAY/HR	28/19	28/19	28/19	30/ 1													
JUL	SUM	1.005	81.081	81.081	162.228	CMP	0	0	404	15	0	0	0	0	0	0	0	419
	PEAK	5.745	0.494	0.494	0.218	FAN	0	0	0	0	0	0	0	0	0	0	419	419
	DAY/HR	24/19	24/19	24/19	31/ 1													
AUG	SUM	0.949	78.248	78.248	162.228	CMP	0	0	404	16	0	0	0	0	0	0	0	420
	PEAK	6.037	0.535	0.535	0.218	FAN	0	0	0	0	0	0	0	0	0	0	420	420
	DAY/HR	10/19	10/19	10/19	31/ 1													
SEP	SUM	0.296	23.959	23.959	156.995	CMP	0	0	179	0	0	0	0	0	0	0	0	179
	PEAK	3.679	0.304	0.304	0.218	FAN	0	0	0	0	0	0	0	0	0	0	179	179
	DAY/HR	14/18	14/18	14/18	30/ 1													
OCT	SUM	0.005	0.394	0.394	162.228	CMP	0	0	15	0	0	0	0	0	0	0	0	15
	PEAK	0.999	0.080	0.080	0.218	FAN	0	0	0	0	0	0	0	0	0	0	15	15
	DAY/HR	4/18	4/18	4/18	31/24													
NOV	SUM	0.000	0.019	0.019	156.995	CMP	0	0	3	0	0	0	0	0	0	0	0	3
	PEAK	0.170	0.014	0.014	0.218	FAN	0	0	0	0	0	0	0	0	0	0	3	3
	DAY/HR	3/19	3/19	3/19	30/24													
DEC	SUM	0.000	0.000	0.000	162.228	CMP	0	0	0	0	0	0	0	0	0	0	0	0
	PEAK	0.000	0.000	0.000	0.218	FAN	0	0	0	0	0	0	0	0	0	0	0	0
	DAY/HR	31/24	31/24	0/ 0	31/24													
YR	SUM	3.216	261.000	261.000	1910.049	CMP	0	0	1544	33	0	0	0	0	0	0	0	1577
	PEAK	6.037	0.535	0.535	0.218	FAN	0	0	0	0	0	0	0	0	0	0	1577	1577
	MON/DAY	8/10	8/10	8/10	12/31													

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-G ZONE LOADS SUMMARY IN

SYSTEM-3

FOR 3-Leasing

WEATHER FILE- SEATTLE SEATTLE-T WA

- - - - - C O O L I N G - - - - -					- - - - - H E A T I N G - - - - -					- - - E L E C - - -		
MONTH	COOLING ENERGY (MBTU)	TIME OF MAX DY HR	DRY- BULB TEMP	WET- BULB TEMP	MAXIMUM COOLING LOAD (KBTU/HR)	HEATING ENERGY (MBTU)	TIME OF MAX DY HR	DRY- BULB TEMP	WET- BULB TEMP	MAXIMUM HEATING LOAD (KBTU/HR)	ELEC- TRICAL ENERGY (KWH)	MAXIMUM ELEC LOAD (KW)
JAN	0.00000				0.000	0.000				0.000	177.	0.425
FEB	0.00000				0.000	0.000				0.000	160.	0.425
MAR	0.00000				0.000	0.000				0.000	177.	0.425
APR	0.00000				0.000	0.000				0.000	171.	0.425
MAY	0.00000				0.000	0.000				0.000	177.	0.425
JUN	0.00000				0.000	0.000				0.000	171.	0.425
JUL	0.00000				0.000	0.000				0.000	177.	0.425
AUG	0.00000				0.000	0.000				0.000	177.	0.425
SEP	0.00000				0.000	0.000				0.000	171.	0.425
OCT	0.00000				0.000	0.000				0.000	177.	0.425
NOV	0.00000				0.000	0.000				0.000	171.	0.425
DEC	0.00000				0.000	0.000				0.000	177.	0.425
TOTAL	0.000					0.000					2082.	
MAX					0.000					0.000		0.425

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-F ZONE DEMAND SUMMARY IN SYSTEM-3 FOR 3-Leasing

WEATHER FILE- SEATTLE SEATTLE-T WA

- - - D E M A N D S - - - - - B A S E B O A R D S - - - - - T E M P E R A T U R E S - - - - L O A D S N O T M E T - -

MONTH	HEAT EXTRACTION ENERGY (MBTU)	HEAT ADDITION ENERGY (MBTU)	BASEBOARD ENERGY (MBTU)	MAXIMUM BASEBOARD LOAD (KBTU/HR)	MAXIMUM ZONE TEMP (F)	MINIMUM ZONE TEMP (F)	HOURS UNDER HEATED	HOURS UNDER COOLED
JAN	0.00000	-1.360	0.00000	0.000	71.0	70.3	0	0
FEB	0.00256	-0.955	0.00000	0.000	75.7	70.2	0	0
MAR	0.02036	-0.562	0.00000	0.000	76.3	70.5	0	0
APR	0.13237	-0.202	0.00000	0.000	79.3	70.6	0	0
MAY	0.36379	-0.026	0.00000	0.000	79.3	70.7	0	0
JUN	0.57554	0.000	0.00000	0.000	79.4	71.3	0	0
JUL	0.89098	0.000	0.00000	0.000	79.5	74.2	0	0
AUG	0.77600	0.000	0.00000	0.000	79.6	73.4	0	0
SEP	0.28945	-0.017	0.00000	0.000	79.3	70.8	0	0
OCT	0.02286	-0.325	0.00000	0.000	77.2	70.7	0	0
NOV	0.00206	-0.850	0.00000	0.000	75.9	70.5	0	0
DEC	0.00000	-1.277	0.00000	0.000	71.0	70.4	0	0

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-0 TEMPERATURE SCATTER PLOT SYSTEM-3

FOR 3-Leasing

WEATHER FILE- SEATTLE SEATTLE-T WA

TOTAL HOURS AT TEMPERATURE LEVEL AND TIME OF DAY

HOUR	1AM	2	3	4	5	6	7	8	9	10	11	12	1PM	2	3	4	5	6	7	8	9	10	11	12	TOTAL
ABOVE 85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80-85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75-80	105	95	71	63	60	63	78	90	104	113	122	131	143	153	162	165	165	162	159	154	149	143	2	108	2760
70-75	260	270	294	302	305	302	287	275	261	252	243	234	222	212	203	200	200	203	206	211	216	222	363	257	6000
65-70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60-65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BELOW 60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	=====

*
* NOTE 1)THE TEMPERATURE COUNTS ARE MADE ONLY FOR
* THE HOURS WHEN THE FANS ARE ON
*

Baseline

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

WEATHER FILE- SEATTLE SEATTLE-T WA

EnergyPro 9.4 by EnergySoft User Number: 6394 ID: 810-010 Page 244 of 280

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-B SYSTEM MONTHLY LOADS SUMMARY FOR

SYSTEM-4

WEATHER FILE- SEATTLE SEATTLE-T WA

	- Z O N E C O O L I N G -	- Z O N E H E A T I N G -	- B A S E B O A R D S -	- P R E H E A T O R F U R N F A N E L E C -				
	COOLING BY ZONE COILS OR NAT VENTIL (MBTU)	MAXIMUM COOLING BY ZONE COILS OR NAT VENTIL (KBTU/HR)	HEATING BY ZONE COILS OR FURNACE (MBTU)	MAXIMUM HEATING BY ZONE COILS OR FURNACE (KBTU/HR)	BASEBOARD HEATING ENERGY (MBTU)	MAXIMUM BASEBOARD HEATING ENERGY (KBTU/HR)	PREHEAT COIL ENERGY OR ELEC FOR FURN FAN (MBTU)	MAXIMUM PREHEAT COIL ENERGY OR ELEC FOR FURN FAN (KBTU/HR)
MONTH								
JAN	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
FEB	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
MAR	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
APR	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
MAY	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
JUN	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
JUL	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
AUG	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
SEP	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
OCT	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
NOV	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
DEC	0.00000	0.000	0.00000	0.000	0.00000	0.000	0.00000	0.000
0TOTAL	0.000		0.000		0.000		0.000	
0MAX		0.000		0.000		0.000		0.000

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-C SYSTEM MONTHLY LOAD HOURS FOR

SYSTEM-4

WEATHER FILE- SEATTLE SEATTLE-T WA

--COINCIDENT LOADS--												
MONTH	HOURS COOLING LOAD	HOURS HEATING LOAD	HOURS COINCIDENT COOL-HEAT LOAD	HOURS FLOATING	HOURS HEATING AVAIL.	HOURS COOLING AVAIL.	HOURS FANS ON	HOURS FANS CYCLE ON	HOURS NIGHT VENTING	HOURS FLOATING WHEN FANS ON	HEATING LOAD AT COOLING PEAK (KBTU/HR)	ELECTRIC LOAD AT COOLING PEAK (KW)
JAN	1	738	0	5	744	744	744	0	0	5	0.000	0.868
FEB	5	572	0	95	672	672	672	0	0	95	0.000	0.914
MAR	10	432	0	302	744	744	744	0	0	302	0.000	1.913
APR	69	167	0	484	720	720	720	0	0	484	0.000	2.169
MAY	170	24	0	550	744	744	744	0	0	550	0.000	2.118
JUN	287	0	0	433	720	720	720	0	0	433	0.000	2.296
JUL	382	0	0	362	744	744	744	0	0	362	0.000	2.649
AUG	397	0	0	347	744	744	744	0	0	347	0.000	2.779
SEP	196	17	0	507	720	720	720	0	0	507	0.000	2.110
OCT	31	308	0	405	744	744	744	0	0	405	0.000	2.493
NOV	5	620	0	95	720	720	720	0	0	95	0.000	1.930
DEC	1	724	0	19	744	744	744	0	0	19	0.000	0.903
ANNUAL	1554	3602	0	3604	8760	8760	8760	0	0	3604		

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-H SYSTEM MONTHLY LOADS SUMMARY FOR

SYSTEM-4

WEATHER FILE- SEATTLE SEATTLE-T WA

MONTH	- - F A N E L E C - - -		- - F U E L H E A T - -		- - F U E L C O O L - -		- E L E C H E A T - -		- E L E C C O O L - -	
	FAN ENERGY (KWH)	MAXIMUM FAN LOAD (KW)	GAS OIL ENERGY (MBTU)	MAXIMUM GAS OIL LOAD (KBTU/HR)	GAS OIL ENERGY (MBTU)	MAXIMUM GAS OIL LOAD (KBTU/HR)	ELECTRIC ENERGY (KWH)	MAXIMUM ELECTRIC LOAD (KW)	ELECTRIC ENERGY (KWH)	MAXIMUM ELECTRIC LOAD (KW)
JAN	365.	0.491	0.000	0.000	0.000	0.000	0.	0.000	0.	0.021
FEB	330.	0.491	0.000	0.000	0.000	0.000	0.	0.000	0.	0.022
MAR	365.	0.491	0.000	0.000	0.000	0.000	0.	0.000	0.	0.108
APR	353.	0.491	0.000	0.000	0.000	0.000	0.	0.000	29.	1.323
MAY	365.	0.491	0.000	0.000	0.000	0.000	0.	0.000	86.	1.272
JUN	353.	0.491	0.000	0.000	0.000	0.000	0.	0.000	165.	1.404
JUL	365.	0.491	0.000	0.000	0.000	0.000	0.	0.000	270.	1.803
AUG	365.	0.491	0.000	0.000	0.000	0.000	0.	0.000	276.	1.933
SEP	353.	0.491	0.000	0.000	0.000	0.000	0.	0.000	110.	1.264
OCT	365.	0.491	0.000	0.000	0.000	0.000	0.	0.000	7.	0.688
NOV	353.	0.491	0.000	0.000	0.000	0.000	0.	0.000	0.	0.125
DEC	365.	0.491	0.000	0.000	0.000	0.000	0.	0.000	0.	0.011
0TOTAL	4297.		0.000		0.000		0.		943.	
0MAX		0.491		0.000		0.000		0.000		1.933

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-I SYSTEM MONTHLY SENSIBLE LATENT SUMMARY FOR SYSTEM-4

WEATHER FILE- SEATTLE SEATTLE-T WA

MONTH	SENSIBLE COOLING ENERGY (MBTU)	LATENT COOLING ENERGY (MBTU)	MAX TOTAL COOLING ENERGY (KBTU/HR)	SENSIBLE HEAT RATIO AT MAX	TIME OF MAX DY HR	SENSIBLE HEATING ENERGY (MBTU)	LATENT HEATING ENERGY (MBTU)	MAX TOTAL HEATING ENERGY (KBTU/HR)
JAN	0.00027	0.00000	0.268	1.000	20 13	-5.04040	0.00000	-13.218
FEB	0.00077	0.00007	0.271	0.891	26 11	-3.35317	0.00000	-14.348
MAR	0.00250	0.00022	1.346	0.922	14 24	-1.81408	0.00000	-8.966
APR	0.33207	0.01773	15.779	0.957	27 16	-0.58414	0.00000	-8.431
MAY	1.01028	0.05977	16.276	1.000	15 16	-0.05922	0.00000	-4.754
JUN	1.94064	0.11129	16.934	0.964	28 18	0.00000	0.00000	0.000
JUL	3.10891	0.23479	20.197	0.963	24 16	0.00000	0.00000	0.000
AUG	3.06505	0.28086	21.439	0.965	10 17	0.00000	0.00000	0.000
SEP	1.25248	0.12375	16.018	0.945	14 16	-0.04255	0.00000	-4.424
OCT	0.08452	0.00397	8.596	0.961	4 24	-0.94921	0.00000	-6.470
NOV	0.00167	0.00060	1.561	0.724	4 24	-3.04670	0.00000	-10.252
DEC	0.00013	0.00000	0.133	1.000	5 12	-4.67343	0.00000	-11.994
TOTAL	10.799	0.833				-19.563	0.000	
MAX			21.439	0.965				-14.348

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-J SYSTEM PEAK HEATING AND COOLING DAYS FOR

SYSTEM-4

WEATHER FILE- SEATTLE SEATTLE-T WA

- - - - C O O L I N G - - - -					- - - H E A T I N G - - -			D A Y C O O L I N G P E A K			
AUG 10					FEB 19			AUG 10			
HOURLY COOLING LOAD (KBTU)	SENSIBLE HEAT RATIO	DRY- BULB TEMP	WET- BULB TEMP	HOURLY HEATING LOAD (KBTU)	DRY- BULB TEMP	WET- BULB TEMP	HOURLY COOLING LOAD (KBTU)	SENSIBLE HEAT RATIO	DRY- BULB TEMP	WET- BULB TEMP	
HOUR											
1	3.225	0.808	66.F	59.F	-12.382	25.F	24.F	3.225	0.808	66.F	59.F
2	1.384	0.717	62.F	57.F	-12.973	24.F	23.F	1.384	0.717	62.F	57.F
3	1.473	0.703	65.F	59.F	-12.863	26.F	24.F	1.473	0.703	65.F	59.F
4	0.361	0.657	64.F	58.F	-13.830	23.F	22.F	0.361	0.657	64.F	58.F
5	0.000	0.000	63.F	58.F	-14.348	22.F	21.F	0.000	0.000	63.F	58.F
6	0.000	0.000	63.F	59.F	-14.340	22.F	21.F	0.000	0.000	63.F	59.F
7	4.996	0.840	67.F	61.F	-13.871	23.F	22.F	4.996	0.840	67.F	61.F
8	8.042	0.870	70.F	62.F	-13.185	23.F	21.F	8.042	0.870	70.F	62.F
9	0.000	0.000	73.F	63.F	-10.687	26.F	24.F	0.000	0.000	73.F	63.F
10	7.227	0.900	74.F	63.F	-8.421	28.F	25.F	7.227	0.900	74.F	63.F
11	9.619	0.891	76.F	64.F	-6.694	29.F	25.F	9.619	0.891	76.F	64.F
12	12.233	0.909	79.F	65.F	-5.723	32.F	28.F	12.233	0.909	79.F	65.F
13	12.539	0.907	81.F	66.F	-4.307	35.F	29.F	12.539	0.907	81.F	66.F
14	15.974	0.927	85.F	67.F	-3.363	36.F	29.F	15.974	0.927	85.F	67.F
15	20.703	0.956	86.F	66.F	-3.006	36.F	29.F	20.703	0.956	86.F	66.F
16	21.439	0.965	88.F	66.F	-2.903	37.F	30.F	21.439	0.965	88.F	66.F
17	20.299	0.962	89.F	66.F	-4.477	35.F	29.F	20.299	0.962	89.F	66.F
18	19.821	0.940	87.F	67.F	-6.477	32.F	28.F	19.821	0.940	87.F	67.F
19	17.934	0.951	86.F	65.F	-7.044	30.F	26.F	17.934	0.951	86.F	65.F
20	14.239	0.918	78.F	64.F	-7.185	30.F	26.F	14.239	0.918	78.F	64.F
21	11.460	0.904	73.F	62.F	-7.694	29.F	25.F	11.460	0.904	73.F	62.F
22	9.994	0.920	73.F	60.F	-8.257	29.F	26.F	9.994	0.920	73.F	60.F
23	16.283	0.920	65.F	60.F	-8.777	30.F	26.F	16.283	0.920	65.F	60.F
24	0.000	0.000	62.F	58.F	-8.512	29.F	25.F	0.000	0.000	62.F	58.F
-----					-----			-----			
SUM								229.245			
MAX	21.439				-14.348						

SYSTEM-TYPE	PSZ	SQFT/TON	865.9
COOLING PEAK	13.86 (BTU/HR- SQFT)	HEATING PEAK	-9.27 (BTU/HR- SQFT)
SUPPLY AIR PEAK FLOW	0.96 (CFM/SQFT)	MIN-OA/PERSON	20.00 (CFM)
OA FRAC AT CLG PEAK	0.040	OA FRAC AT HTG PEAK	0.040

* ASTERISKS INDICATE HOURS LOADS NOT MET

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-K SPACE TEMPERATURE SUMMARY

SYSTEM-4

WEATHER FILE- SEATTLE SEATTLE-T WA

MONTH	A V E R A G E S P A C E T E M P					AVERAGE TEMPERATURE DIFFERENCE			SUMMED TEMP DIFFERENCE		HUMIDITY RATIO DIFFERENCE BETWEEN OUTDOOR AND ROOM AIR (FRAC.OR MULT.)
	ALL HOURS (F)	COOLING HOURS (F)	HEATING HOURS (F)	FAN ON HOURS (F)	FAN OFF HOURS (F)	BETWEEN OUTDOOR& ROOM AIR ALL HOURS (F)	BETWEEN OUTDOOR& ROOM AIR FAN ON HOURS (F)	BETWEEN OUTDOOR& ROOM AIR FAN OFF HOURS (F)	BETWEEN OUTDOOR& ROOM AIR HEATING HOURS (F)	BETWEEN OUTDOOR& ROOM AIR ALL HOURS (F)	
JAN	70.61	71.12	70.60	70.61	0.00	-30.52	-30.52	0.00	941.11	946.09	-0.00145
FEB	70.85	71.03	70.66	70.85	0.00	-28.37	-28.37	0.00	712.48	794.45	-0.00146
MAR	71.46	71.64	70.76	71.46	0.00	-24.47	-24.47	0.00	480.85	758.65	-0.00146
APR	73.24	76.53	70.80	73.24	0.00	-21.70	-21.70	0.00	187.07	652.63	-0.00137
MAY	75.06	77.12	70.86	75.06	0.00	-19.71	-19.71	0.00	25.19	610.93	-0.00118
JUN	76.50	77.40		76.50	0.00	-16.45	-16.45	0.00		493.81	-0.00091
JUL	77.09	77.60		77.09	0.00	-13.29	-13.29	0.00		421.35	-0.00033
AUG	77.08	77.54		77.08	0.00	-11.24	-11.24	0.00		373.50	-0.00011
SEP	75.49	77.27	71.21	75.49	0.00	-16.34	-16.34	0.00	16.02	490.13	-0.00085
OCT	72.47	75.13	70.83	72.47	0.00	-19.90	-19.90	0.00	281.84	617.01	-0.00144
NOV	70.95	71.64	70.72	70.95	0.00	-24.44	-24.44	0.00	661.06	733.12	-0.00147
DEC	70.64	71.01	70.63	70.64	0.00	-28.90	-28.90	0.00	879.33	895.86	-0.00145
ANNUAL	73.47	77.27	70.69	73.47	0.00	-21.24	-21.24	0.00	4184.95	7787.51	-0.00112

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-L FAN ELECTRIC ENERGY

SYSTEM-4

WEATHER FILE- SEATTLE SEATTLE-T WA

MONTH	FAN ELEC DURING HEATING (KWH)	FAN ELEC DURING COOLING (KWH)	FAN ELEC DURING HEAT & COOL (KWH)	FAN ELEC DURING FLOATING (KWH)	----- Number of hours within each PART LOAD range -----										----- TOTAL	
					00	10	20	30	40	50	60	70	80	90	100	100
					10	20	30	40	50	60	70	80	90	100	+	HOURS
JAN	361.990	0.491	0.000	2.453	0	0	0	0	0	0	0	0	0	0	744	744
FEB	280.565	2.453	0.000	46.598	0	0	0	0	0	0	0	0	0	0	672	672
MAR	211.895	4.905	0.000	148.131	0	0	0	0	0	0	0	0	0	0	744	744
APR	81.914	33.844	0.000	237.401	0	0	0	0	0	0	0	0	0	0	720	720
MAY	11.772	83.385	0.000	269.774	0	0	0	0	0	0	0	0	0	0	744	744
JUN	0.000	140.774	0.000	212.386	0	0	0	0	0	0	0	0	0	0	720	720
JUL	0.000	187.370	0.000	177.561	0	0	0	0	0	0	0	0	0	0	744	744
AUG	0.000	194.728	0.000	170.203	0	0	0	0	0	0	0	0	0	0	744	744
SEP	8.339	96.138	0.000	248.682	0	0	0	0	0	0	0	0	0	0	720	720
OCT	151.074	15.206	0.000	198.652	0	0	0	0	0	0	0	0	0	0	744	744
NOV	304.110	2.453	0.000	46.598	0	0	0	0	0	0	0	0	0	0	720	720
DEC	355.122	0.491	0.000	9.320	0	0	0	0	0	0	0	0	0	0	744	744
ANNUAL	1766.729	762.229	0.000	1767.710	0	0	0	0	0	0	0	0	0	0	8760	8760

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-N RELATIVE HUMIDITY SCATTER PLOT FOR

SYSTEM-4

WEATHER FILE- SEATTLE SEATTLE-T WA

TOTAL HOURS AT RELATIVE HUMIDITY LEVEL AND TIME OF DAY

hour	1AM	2	3	4	5	6	7	8	9	10	11	12	1PM	2	3	4	5	6	7	8	9	10	11	12	TOTAL
90-100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	5
60-69	9	11	9	13	11	12	8	0	1	0	0	0	1	0	0	0	1	3	5	5	6	5	7	9	116
50-59	89	87	103	106	121	120	89	56	40	34	31	28	19	17	13	12	15	35	37	39	37	42	29	103	1302
40-49	176	179	166	160	152	152	171	150	145	133	116	90	89	80	65	64	69	77	119	134	145	162	124	164	3082
30-39	74	72	72	69	66	66	82	130	134	149	170	195	198	201	219	225	221	217	184	168	160	139	185	70	3466
20-29	17	15	14	16	14	15	15	29	40	42	42	45	50	59	58	54	49	27	19	18	16	16	19	19	708
10-19	0	1	1	1	1	0	0	0	5	7	6	7	8	8	10	10	10	6	0	0	0	0	0	0	81
0-09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	=====

*
* NOTE 1)THE RELATIVE HUMIDITY COUNTS ARE MADE ONLY FOR *
* THE HOURS WHEN THE FANS ARE ON *
*

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-P LOAD, ENERGY AND PART LOAD HEATING IN SYSTEM-4

WEATHER FILE- SEATTLE SEATTLE-T WA

UNIT TYPE is PSZ HEATING-CAPACITY = -29.608 (KBTU/HR) HEATING-EIR = 0.370 (BTU/BTU) SUPPLY-FLOW = 1491. (CFM)

MONTH	SUM	UNIT LOAD	ENERGY USE	COMPRESSOR	FAN ENERGY	Number of hours within each PART LOAD range												TOTAL RUN HOURS
		(MBTU)	(KWH)	(KWH)	(KWH)													
		(KBTU/HR)	(KW)	(KW)	(KW)	00	10	20	30	40	50	60	70	80	90	100	+	
	PEAK					10	20	30	40	50	60	70	80	90	100			
JAN	SUM	-5.040	0.000	0.000	364.933	CMP	0	0	0	0	0	0	0	0	0	0	0	
	PEAK	-13.218	0.000	0.000	0.491	FAN	0	0	0	0	0	0	0	0	0	738	738	
	DAY/HR	15/ 8	31/24	0/ 0	31/24													
FEB	SUM	-3.353	0.000	0.000	329.616	CMP	0	0	0	0	0	0	0	0	0	0	0	
	PEAK	-14.348	0.000	0.000	0.491	FAN	0	0	0	0	0	0	0	0	0	572	572	
	DAY/HR	19/ 5	28/24	0/ 0	28/24													
MAR	SUM	-1.814	0.000	0.000	364.933	CMP	0	0	0	0	0	0	0	0	0	0	0	
	PEAK	-8.966	0.000	0.000	0.491	FAN	0	0	0	0	0	0	0	0	0	432	432	
	DAY/HR	1/ 7	31/24	0/ 0	31/24													
APR	SUM	-0.584	0.000	0.000	353.160	CMP	0	0	0	0	0	0	0	0	0	0	0	
	PEAK	-8.431	0.000	0.000	0.491	FAN	0	0	0	0	0	0	0	0	0	167	167	
	DAY/HR	18/ 5	30/ 1	0/ 0	30/ 1													
MAY	SUM	-0.059	0.000	0.000	364.933	CMP	0	0	0	0	0	0	0	0	0	0	0	
	PEAK	-4.754	0.000	0.000	0.491	FAN	0	0	0	0	0	0	0	0	0	24	24	
	DAY/HR	18/ 6	31/ 1	0/ 0	31/ 1													
JUN	SUM	0.000	0.000	0.000	353.160	CMP	0	0	0	0	0	0	0	0	0	0	0	
	PEAK	0.000	0.000	0.000	0.491	FAN	0	0	0	0	0	0	0	0	0	0	0	
	DAY/HR	30/ 1	30/ 1	0/ 0	30/ 1													
JUL	SUM	0.000	0.000	0.000	364.933	CMP	0	0	0	0	0	0	0	0	0	0	0	
	PEAK	0.000	0.000	0.000	0.491	FAN	0	0	0	0	0	0	0	0	0	0	0	
	DAY/HR	31/ 1	31/ 1	0/ 0	31/ 1													
AUG	SUM	0.000	0.000	0.000	364.933	CMP	0	0	0	0	0	0	0	0	0	0	0	
	PEAK	0.000	0.000	0.000	0.491	FAN	0	0	0	0	0	0	0	0	0	0	0	
	DAY/HR	31/ 1	31/ 1	0/ 0	31/ 1													
SEP	SUM	-0.043	0.000	0.000	353.160	CMP	0	0	0	0	0	0	0	0	0	0	0	
	PEAK	-4.424	0.000	0.000	0.491	FAN	0	0	0	0	0	0	0	0	0	17	17	
	DAY/HR	27/ 6	30/ 1	0/ 0	30/ 1													
OCT	SUM	-0.949	0.000	0.000	364.933	CMP	0	0	0	0	0	0	0	0	0	0	0	
	PEAK	-6.470	0.000	0.000	0.491	FAN	0	0	0	0	0	0	0	0	0	308	308	
	DAY/HR	16/ 8	31/24	0/ 0	31/24													
NOV	SUM	-3.047	0.000	0.000	353.160	CMP	0	0	0	0	0	0	0	0	0	0	0	
	PEAK	-10.252	0.000	0.000	0.491	FAN	0	0	0	0	0	0	0	0	0	620	620	
	DAY/HR	11/ 7	30/24	0/ 0	30/24													
DEC	SUM	-4.673	0.000	0.000	364.933	CMP	0	0	0	0	0	0	0	0	0	0	0	
	PEAK	-11.994	0.000	0.000	0.491	FAN	0	0	0	0	0	0	0	0	0	724	724	
	DAY/HR	26/ 7	31/24	0/ 0	31/24													
YR	SUM	-19.563	0.000	0.000	4296.718	CMP	0	0	0	0	0	0	0	0	0	0	0	
	PEAK	-14.348	0.000	0.000	0.491	FAN	0	0	0	0	0	0	0	0	0	3602	3602	
	MON/DAY	2/19	12/31	0/ 0	12/31													

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-P LOAD, ENERGY AND PART LOAD COOLING IN SYSTEM-4

WEATHER FILE- SEATTLE SEATTLE-T WA

UNIT TYPE is PSZ COOLING-CAPACITY = 56.724 (KBTU/HR) COOLING-EIR = 0.312 (BTU/BTU) SUPPLY-FLOW = 1491. (CFM)

MONTH	UNIT LOAD		ENERGY USE	COMPRESSOR	FAN ENERGY	Number of hours within each PART LOAD range												TOTAL
	SUM	(MBTU)	(KWH)	(KWH)	(KWH)													RUN
	PEAK	(KBTU/HR)	(KW)	(KW)	(KW)	00	10	20	30	40	50	60	70	80	90	100	+	HOURS
JAN	SUM	0.000	0.021	0.021	364.933	CMP	0	0	1	0	0	0	0	0	0	0	0	1
	PEAK	0.268	0.021	0.021	0.491	FAN	0	0	0	0	0	0	0	0	0	0	1	1
	DAY/HR	20/13	20/13	20/13	31/24													
FEB	SUM	0.001	0.067	0.067	329.616	CMP	0	0	5	0	0	0	0	0	0	0	0	5
	PEAK	0.271	0.022	0.022	0.491	FAN	0	0	0	0	0	0	0	0	0	0	5	5
	DAY/HR	26/11	26/11	26/11	28/24													
MAR	SUM	0.003	0.217	0.217	364.933	CMP	0	0	10	0	0	0	0	0	0	0	0	10
	PEAK	1.346	0.108	0.108	0.491	FAN	0	0	0	0	0	0	0	0	0	0	10	10
	DAY/HR	14/24	14/24	14/24	31/24													
APR	SUM	0.350	28.616	28.616	353.160	CMP	0	0	69	0	0	0	0	0	0	0	0	69
	PEAK	15.779	1.323	1.323	0.491	FAN	0	0	0	0	0	0	0	0	0	0	69	69
	DAY/HR	27/16	27/16	27/16	30/ 1													
MAY	SUM	1.070	85.964	85.964	364.933	CMP	0	0	170	0	0	0	0	0	0	0	0	170
	PEAK	16.276	1.272	1.272	0.491	FAN	0	0	0	0	0	0	0	0	0	0	170	170
	DAY/HR	15/16	15/16	15/16	31/ 1													
JUN	SUM	2.052	164.532	164.532	353.160	CMP	0	0	284	3	0	0	0	0	0	0	0	287
	PEAK	16.934	1.404	1.404	0.491	FAN	0	0	0	0	0	0	0	0	0	0	287	287
	DAY/HR	28/18	28/18	28/18	30/ 1													
JUL	SUM	3.344	270.124	270.124	364.933	CMP	0	0	366	16	0	0	0	0	0	0	0	382
	PEAK	20.197	1.803	1.803	0.491	FAN	0	0	0	0	0	0	0	0	0	0	382	382
	DAY/HR	24/16	24/16	24/16	31/ 1													
AUG	SUM	3.346	275.884	275.884	364.933	CMP	0	0	366	30	1	0	0	0	0	0	0	397
	PEAK	21.439	1.933	1.933	0.491	FAN	0	0	0	0	0	0	0	0	0	0	397	397
	DAY/HR	10/17	10/17	10/17	31/ 1													
SEP	SUM	1.376	110.160	110.160	353.160	CMP	0	0	196	0	0	0	0	0	0	0	0	196
	PEAK	16.018	1.264	1.264	0.491	FAN	0	0	0	0	0	0	0	0	0	0	196	196
	DAY/HR	14/16	14/16	14/16	30/ 1													
OCT	SUM	0.088	7.088	7.088	364.933	CMP	0	0	31	0	0	0	0	0	0	0	0	31
	PEAK	8.596	0.688	0.688	0.491	FAN	0	0	0	0	0	0	0	0	0	0	31	31
	DAY/HR	4/24	4/24	4/24	31/24													
NOV	SUM	0.002	0.181	0.181	353.160	CMP	0	0	5	0	0	0	0	0	0	0	0	5
	PEAK	1.561	0.125	0.125	0.491	FAN	0	0	0	0	0	0	0	0	0	0	5	5
	DAY/HR	4/24	4/24	4/24	30/24													
DEC	SUM	0.000	0.011	0.011	364.933	CMP	0	0	1	0	0	0	0	0	0	0	0	1
	PEAK	0.133	0.011	0.011	0.491	FAN	0	0	0	0	0	0	0	0	0	0	1	1
	DAY/HR	5/12	5/12	5/12	31/24													
YR	SUM	11.632	942.866	942.866	4296.718	CMP	0	0	1504	49	1	0	0	0	0	0	0	1554
	PEAK	21.439	1.933	1.933	0.491	FAN	0	0	0	0	0	0	0	0	0	0	1554	1554
	MON/DAY	8/10	8/10	8/10	12/31													

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-G ZONE LOADS SUMMARY IN

SYSTEM-4

FOR 4-Apartment

WEATHER FILE- SEATTLE SEATTLE-T WA

- - - - - C O O L I N G - - - - -					- - - - - H E A T I N G - - - - -					- - - E L E C - - -		
MONTH	COOLING ENERGY (MBTU)	TIME OF MAX DY HR	DRY- BULB TEMP	WET- BULB TEMP	MAXIMUM COOLING LOAD (KBTU/HR)	HEATING ENERGY (MBTU)	TIME OF MAX DY HR	DRY- BULB TEMP	WET- BULB TEMP	MAXIMUM HEATING LOAD (KBTU/HR)	ELEC- TRICAL ENERGY (KWH)	MAXIMUM ELEC LOAD (KW)
JAN	0.00000				0.000	0.000				0.000	396.	1.358
FEB	0.00000				0.000	0.000				0.000	358.	1.358
MAR	0.00000				0.000	0.000				0.000	396.	1.358
APR	0.00000				0.000	0.000				0.000	383.	1.358
MAY	0.00000				0.000	0.000				0.000	396.	1.358
JUN	0.00000				0.000	0.000				0.000	383.	1.358
JUL	0.00000				0.000	0.000				0.000	396.	1.358
AUG	0.00000				0.000	0.000				0.000	396.	1.358
SEP	0.00000				0.000	0.000				0.000	383.	1.358
OCT	0.00000				0.000	0.000				0.000	396.	1.358
NOV	0.00000				0.000	0.000				0.000	383.	1.358
DEC	0.00000				0.000	0.000				0.000	396.	1.358
TOTAL	0.000					0.000					4664.	
MAX					0.000					0.000		1.358

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-F ZONE DEMAND SUMMARY IN SYSTEM-4 FOR 4-Apartment

WEATHER FILE- SEATTLE SEATTLE-T WA

- - - D E M A N D S - - - - - B A S E B O A R D S - - - - - T E M P E R A T U R E S - - - - L O A D S N O T M E T - -

MONTH	HEAT EXTRACTION ENERGY (MBTU)	HEAT ADDITION ENERGY (MBTU)	BASEBOARD ENERGY (MBTU)	MAXIMUM BASEBOARD LOAD (KBTU/HR)	MAXIMUM ZONE TEMP (F)	MINIMUM ZONE TEMP (F)	HOURS UNDER HEATED	HOURS UNDER COOLED
JAN	0.00081	-4.719	0.00000	0.000	71.2	70.2	0	0
FEB	0.00682	-3.168	0.00000	0.000	75.7	70.1	0	0
MAR	0.03401	-1.810	0.00000	0.000	76.5	70.5	0	0
APR	0.33048	-0.630	0.00000	0.000	79.4	70.5	0	0
MAY	0.97520	-0.125	0.00000	0.000	79.4	70.7	0	0
JUN	1.79321	-0.062	0.00000	0.000	79.5	71.9	0	0
JUL	2.83701	-0.068	0.00000	0.000	79.6	74.5	0	0
AUG	2.72159	-0.086	0.00000	0.000	79.7	74.0	0	0
SEP	1.14981	-0.177	0.00000	0.000	79.4	70.8	0	0
OCT	0.08866	-1.113	0.00000	0.000	79.1	70.6	0	0
NOV	0.00415	-3.017	0.00000	0.000	76.1	70.4	0	0
DEC	0.00033	-4.430	0.00000	0.000	71.7	70.3	0	0

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025SDL RUN 1

REPORT- SS-0 TEMPERATURE SCATTER PLOT SYSTEM-4

FOR 4-Apartment

WEATHER FILE- SEATTLE SEATTLE-T WA

TOTAL HOURS AT TEMPERATURE LEVEL AND TIME OF DAY

HOUR	1AM	2	3	4	5	6	7	8	9	10	11	12	1PM	2	3	4	5	6	7	8	9	10	11	12	TOTAL
ABOVE 85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80-85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75-80	119	114	100	80	69	76	94	108	119	131	138	152	163	169	172	172	171	168	165	162	156	148	2	122	3070
70-75	246	251	265	285	296	289	271	257	246	234	227	213	202	196	193	193	194	197	200	203	209	217	363	243	5690
65-70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60-65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BELOW 60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	=====

*
* NOTE 1)THE TEMPERATURE COUNTS ARE MADE ONLY FOR
* THE HOURS WHEN THE FANS ARE ON
*

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025PDL RUN 1

REPORT- PV-A EQUIPMENT SIZES

WEATHER FILE- SEATTLE SEATTLE-T WA

E Q U I P M E N T	NUMBER			NUMBER			NUMBER			NUMBER			NUMBER		
	SIZE	INSTD	AVAIL	SIZE	INSTD	AVAIL	SIZE	INSTD	AVAIL	SIZE	INSTD	AVAIL	SIZE	INSTD	AVAIL

HW-BOILER	0.144	1	1												

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025PDL RUN 1

REPORT- PS-A PLANT ENERGY UTILIZATION SUMMARY

WEATHER FILE- SEATTLE SEATTLE-T WA

MONTH	S I T E E N E R G Y												* SOURCE
	2	3	4	5	6	7	8	9	10	11	12	13	14
	TOTAL HEAT LOAD (MBTU)	TOTAL COOLING LOAD (MBTU)	TOTAL ELECTR LOAD (MWH)	RCVRED ENERGY (MBTU)	WASTED RCVRABL ENERGY (MBTU)	FUEL INPUT COOLING (MBTU)	ELEC INPUT COOLING (MWH)	FUEL INPUT HEATING (MBTU)	ELEC INPUT HEATING (MWH)	FUEL INPUT ELECT (MBTU)	TOTAL FUEL INPUT (MBTU)	TOTAL SITE ENERGY (MBTU)	TOTAL SOURCE ENERGY (MBTU)
JAN	24.3	0.0	4.0	0.0	0.0	0.0	0.0	48.0	0.1	0.0	48.0	61.6	88.7
FEB	16.6	0.0	3.6	0.0	0.0	0.0	0.0	34.9	0.0	0.0	34.9	47.2	71.7
MAR	9.5	0.0	4.0	0.0	0.0	0.0	0.0	24.9	0.0	0.0	24.9	38.4	65.5
APR	3.6	0.0	3.9	0.0	0.0	0.0	0.1	14.9	0.0	0.0	14.9	28.4	55.2
MAY	0.6	0.0	4.3	0.0	0.0	0.0	0.3	10.4	0.0	0.0	10.4	25.0	54.2
JUN	0.0	0.0	4.5	0.0	0.0	0.0	0.7	9.1	0.0	0.0	9.1	24.5	55.2
JUL	0.0	0.0	5.2	0.0	0.0	0.0	1.2	9.4	0.0	0.0	9.4	27.0	62.3
AUG	0.0	0.0	5.3	0.0	0.0	0.0	1.4	9.4	0.0	0.0	9.4	27.4	63.5
SEP	0.2	0.0	4.3	0.0	0.0	0.0	0.5	9.5	0.0	0.0	9.5	24.2	53.5
OCT	4.6	0.0	4.0	0.0	0.0	0.0	0.0	16.9	0.0	0.0	16.9	30.6	57.8
NOV	14.3	0.0	3.8	0.0	0.0	0.0	0.0	32.4	0.1	0.0	32.4	45.5	71.8
DEC	22.2	0.0	4.0	0.0	0.0	0.0	0.0	45.1	0.1	0.0	45.1	58.6	85.8
TOTAL	96.0	0.0	50.8	0.0	0.0	0.0	4.3	265.1	0.3	0.0	265.1	438.4	785.2

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025PDL RUN 1

REPORT- PS-B MONTHLY UTILITY AND FUEL USE SUMMARY

WEATHER FILE- SEATTLE SEATTLE-T WA

		ELECTRICITY METER-1 3413./KWH	NATURAL - GAS METER-1 100000./THERM
MONTH	BTU/UNIT:		

JAN			
ENERGY CONSUMPTION (UNITS/MO)		3975.7	480.2
PEAK DEMAND (UNITS/HR OR DAY)		8.8	1.1
PEAK DAY/HR		1/21	15/ 8
FEB			
ENERGY CONSUMPTION (UNITS/MO)		3588.7	349.1
PEAK DEMAND (UNITS/HR OR DAY)		8.8	1.1
PEAK DAY/HR		1/21	19/ 8
MAR			
ENERGY CONSUMPTION (UNITS/MO)		3965.8	249.1
PEAK DEMAND (UNITS/HR OR DAY)		8.8	0.8
PEAK DAY/HR		1/21	5/ 8
APR			
ENERGY CONSUMPTION (UNITS/MO)		3937.6	149.2
PEAK DEMAND (UNITS/HR OR DAY)		12.6	0.8
PEAK DAY/HR		27/20	18/ 8
MAY			
ENERGY CONSUMPTION (UNITS/MO)		4272.5	104.3
PEAK DEMAND (UNITS/HR OR DAY)		12.1	0.5
PEAK DAY/HR		6/24	18/ 8
JUN			
ENERGY CONSUMPTION (UNITS/MO)		4495.3	91.2
PEAK DEMAND (UNITS/HR OR DAY)		13.7	0.2
PEAK DAY/HR		28/20	14/ 8
JUL			
ENERGY CONSUMPTION (UNITS/MO)		5165.3	94.0
PEAK DEMAND (UNITS/HR OR DAY)		15.1	0.2
PEAK DAY/HR		24/20	1/ 8
AUG			
ENERGY CONSUMPTION (UNITS/MO)		5281.4	94.1
PEAK DEMAND (UNITS/HR OR DAY)		16.1	0.2
PEAK DAY/HR		10/20	1/ 8
SEP			
ENERGY CONSUMPTION (UNITS/MO)		4299.4	95.0
PEAK DEMAND (UNITS/HR OR DAY)		12.4	0.4
PEAK DAY/HR		13/24	28/ 8
OCT			
ENERGY CONSUMPTION (UNITS/MO)		3993.7	169.5
PEAK DEMAND (UNITS/HR OR DAY)		10.3	0.7
PEAK DAY/HR		4/24	16/ 8
NOV			
ENERGY CONSUMPTION (UNITS/MO)		3845.0	324.2
PEAK DEMAND (UNITS/HR OR DAY)		8.8	0.9
PEAK DAY/HR		1/21	11/ 8
DEC			
ENERGY CONSUMPTION (UNITS/MO)		3975.7	450.6
PEAK DEMAND (UNITS/HR OR DAY)		8.8	1.0
PEAK DAY/HR		1/21	26/ 8

TOTAL			
ENERGY CONSUMPTION (UNITS/YR)		50796.1	2650.6
PEAK DEMAND (UNITS/HR OR DAY)		16.1	1.1

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025PDL RUN 1

REPORT- PS-C EQUIPMENT PART LOAD OPERATION

WEATHER FILE- SEATTLE SEATTLE-T WA

EQUIPMENT	HOURS AT PERCENT PART LOAD RATIO												TOTAL HOURS	ANNUAL LOAD (MBTU)	FALSE LOAD (MBTU)	ELEC USED (KWH)	THERMAL USED (MBTU)
	0 --	10 --	20 --	30 --	40 --	50 --	60 --	70 --	80 --	90 --	100 -	110+					
HW-BOILER	1487	1455	1122	286	26	0	0	0	0	0	0	0	4376	96.0	0.0	0.	154.3
	1487	1455	1122	286	26	0	0	0	0	0	0	0					

HOT LOOP CIRCULATION PUMP ELECTRICAL USE = 337. KWH
COLD LOOP CIRCULATION PUMP ELECTRICAL USE = 0. KWH
CONDENSER WATER PUMP ELECTRICAL USE = 0. KWH
TOWER OR CONDENSER FAN ELECTRICAL USE = 0. KWH

NOTES TO TABLE

- 1) THE FIRST PART LOAD ENTRY FOR EACH PIECE OF EQUIPMENT IS THE HOURLY LOAD DIVIDED BY THE HOURLY OPERATING CAPACITY
- 2) THE SECOND PART LOAD ENTRY FOR EACH PIECE OF EQUIPMENT IS THE HOURLY LOAD DIVIDED BY THE TOTAL INSTALLED CAPACITY

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025PDL RUN 1

REPORT- PS-D PLANT LOADS SATISFIED

WEATHER FILE- SEATTLE SEATTLE-T WA

HEATING LOADS	MBTU SUPPLIED	PCT OF TOTAL LOAD
-----	-----	-----
HW-BOILER	96.0	100.0
	=====	=====
LOAD SATISFIED	96.0	100.0
TOTAL LOAD ON PLANT	96.0	
ELECTRICAL LOADS	KWH SUPPLIED	PCT OF TOTAL LOAD
-----	-----	-----
ELECTRICITY	50796.1	100.0
	=====	=====
LOAD SATISFIED	50796.1	100.0
TOTAL LOAD ON PLANT	50796.5	

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025PDL RUN 1

REPORT- PS-D PLANT LOADS SATISFIED

WEATHER FILE- SEATTLE SEATTLE-T WA

----- (CONTINUED) -----

SUMMARY OF LOADS MET

TYPE OF LOAD	TOTAL LOAD (MBTU)	LOAD SATISFIED (MBTU)	TOTAL OVERLOAD (MBTU)	PEAK OVERLOAD (MBTU)	HOURS OVERLOADED
HEATING LOADS	96.0	96.0	0.000	0.000	0
ELECTRICAL LOADS	173.4	173.4	0.000	0.000	0

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025PDL RUN 1

REPORT- PS-E MONTHLY ENERGY END-USE SUMMARY

WEATHER FILE- SEATTLE SEATTLE-T WA

ELECTRICAL END-USES IN KWH

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
0 AREA LIGHTS	372.	336.	372.	360.	372.	360.	372.	372.	360.	372.	360.	372.	4377.
MAX KW	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
DAY/HR	1/24	1/24	1/24	1/24	1/24	1/24	1/24	1/24	1/24	1/24	1/24	1/24	1/24
0 MISC EQUIPMT	1687.	1523.	1687.	1632.	1687.	1632.	1687.	1687.	1632.	1687.	1632.	1687.	19859.
MAX KW	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
DAY/HR	1/21	1/21	1/21	1/21	1/21	1/21	1/21	1/21	1/21	1/21	1/21	1/21	1/21
0 SPACE COOL	0.	0.	1.	121.	345.	702.	1246.	1363.	503.	38.	1.	0.	4320.
MAX KW	0.0	0.2	0.3	5.6	4.8	6.2	7.8	8.7	5.5	2.4	0.8	0.0	8.7
DAY/HR	20/13	27/24	14/24	27/16	4/16	28/18	24/19	10/19	14/17	4/24	4/24	10/14	8.7
0 PUMPS & MISC	57.	49.	46.	25.	9.	1.	0.	0.	5.	37.	51.	57.	337.
MAX KW	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
DAY/HR	1/ 1	1/ 1	1/ 1	1/ 1	2/ 3	5/24	3/22	15/ 4	17/ 8	2/ 4	1/ 1	1/ 1	1/ 1
0 VENT FANS	1860.	1680.	1860.	1800.	1860.	1800.	1860.	1860.	1800.	1860.	1800.	1860.	21903.
MAX KW	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
DAY/HR	1/ 1	1/ 1	1/ 1	1/ 1	1/ 2	1/ 2	1/ 2	1/ 2	1/ 2	1/ 2	1/ 1	1/ 1	1/ 1
0 TOTAL KWH	3976.	3589.	3966.	3938.	4273.	4495.	5165.	5281.	4299.	3994.	3845.	3976.	50796.

FUEL END-USES IN MBTU

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
0 SPACE HEAT	38.6	26.4	15.5	5.8	1.0	0.0	0.0	0.0	0.4	7.5	23.3	35.7	154.3
MAX MBTU	0.091	0.099	0.066	0.064	0.038	0.005	0.000	0.000	0.029	0.046	0.072	0.083	0.099
DAY/HR	15/ 8	19/ 5	24/ 6	19/ 6	18/ 6	15/ 5	3/22	15/ 4	27/ 5	16/ 8	13/ 5	26/ 4	0.099
0 DOMHOT WATER	9.4	8.5	9.4	9.1	9.4	9.1	9.4	9.4	9.1	9.4	9.1	9.4	110.7
MAX MBTU	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022
DAY/HR	1/ 8	1/ 8	1/ 8	1/ 8	1/ 8	1/ 8	1/ 8	1/ 8	1/ 8	1/ 8	1/ 8	1/ 8	0.022
0 TOTAL MBTU	48.0	34.9	24.9	14.9	10.4	9.1	9.4	9.4	9.5	16.9	32.4	45.1	265.1

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025PDL RUN 1

REPORT- PS-F ENERGY-RESOURCE PEAK BREAKDOWN BY END-USE

WEATHER FILE- SEATTLE SEATTLE-T WA

ENERGY-RESOURCE: ELECTRICITY

UNITS: KWH

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
PEAK DEMAND:	8.8	8.8	8.8	12.6	12.1	13.7	15.1	16.1	12.4	10.3	8.8	8.8
DAY/HR:	1/21	1/21	1/21	27/20	6/24	28/20	24/20	10/20	13/24	4/24	1/21	1/21
BREAKDOWN												
AREA LIGHTS:	0.88	0.88	0.88	0.88	2.41	0.88	0.88	0.88	2.41	2.41	0.88	0.88
(%):	10.05	10.05	10.05	6.98	19.82	6.46	5.85	5.47	19.40	23.38	10.05	10.05
MISC EQUIPMT:	5.32	5.32	5.32	4.73	2.96	4.73	4.73	4.73	2.96	2.96	5.32	5.32
(%):	60.61	60.61	60.61	37.43	24.36	34.62	31.39	29.34	23.84	28.73	60.61	60.61
SPACE HEAT:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(%):	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPACE COOL:	0.00	0.00	0.00	4.53	4.28	5.55	6.96	8.01	4.54	2.43	0.00	0.00
(%):	0.00	0.00	0.00	35.81	35.22	40.63	46.17	49.69	36.60	23.60	0.00	0.00
PUMPS & MISC:	0.08	0.08	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.08
(%):	0.87	0.87	0.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.87	0.87
VENT FANS:	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
(%):	28.47	28.47	28.47	19.78	20.60	18.30	16.59	15.50	20.16	24.29	28.47	28.47
DOMHOT WATER:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(%):	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025PDL RUN 1

REPORT- PS-F ENERGY-RESOURCE PEAK BREAKDOWN BY END-USE

WEATHER FILE- SEATTLE SEATTLE-T WA

----- (CONTINUED) -----

ENERGY-RESOURCE: NATURAL-GAS

UNITS: THERM

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
PEAK DEMAND:	1.1	1.1	0.8	0.8	0.5	0.2	0.2	0.2	0.4	0.7	0.9	1.0
DAY/HR:	15/ 8	19/ 8	5/ 8	18/ 8	18/ 8	14/ 8	1/ 8	1/ 8	28/ 8	16/ 8	11/ 8	26/ 8
BREAKDOWN												
AREA LIGHTS:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(%):	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MISC EQUIPMT:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(%):	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPACE HEAT:	0.91	0.91	0.63	0.54	0.32	0.01	0.00	0.00	0.18	0.46	0.69	0.80
(%):	80.57	80.67	74.15	71.12	59.09	2.90	0.00	0.00	44.73	67.88	76.04	78.56
SPACE COOL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(%):	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PUMPS & MISC:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(%):	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VENT FANS:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(%):	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DOMHOT WATER:	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
(%):	19.43	19.33	25.85	28.88	40.91	97.10	100.00	100.00	55.27	32.12	23.96	21.44

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025PDL RUN 1

REPORT- PS-G ELECTRICAL LOAD SCATTER PLOT

WEATHER FILE- SEATTLE SEATTLE-T WA

TOTAL HOURS AT HOURLY DEMAND AND TIME OF DAY

	HOUR	1AM	2	3	4	5	6	7	8	9	10	11	12	1PM	2	3	4	5	6	7	8	9	10	11	12	TOTAL
D	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	3
	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	7	5	0	0	0	17
	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	10	25	22	7	0	22	88
	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	8	7	32	29	39	19	0	52	195
	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	9	12	14	27	30	38	41	12	44	230
E	9	0	0	0	0	0	0	0	0	3	0	0	1	3	9	11	28	29	28	26	33	205	46	33	27	482
M K	8	0	0	0	0	0	0	0	4	10	0	3	8	13	11	16	28	26	28	27	239	56	252	39	220	980
A W	7	0	0	0	0	0	0	5	13	15	0	10	16	20	28	30	30	30	30	237	0	0	0	281	0	745
N	6	0	2	0	0	0	1	360	348	337	365	10	16	27	25	18	23	24	25	0	0	0	0	0	0	1581
D	4	0	13	11	5	2	364	0	0	0	0	342	324	302	292	287	238	235	232	0	0	0	0	0	0	2647
	3	365	350	354	360	363	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1792
	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PERCENT TOTAL DEMAND	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	===	=====
	2.3	2.4	2.3	2.3	2.3	3.2	4.0	4.2	4.2	4.1	3.5	3.6	3.6	3.7	3.8	4.2	4.2	4.3	5.9	6.7	6.9	6.4	5.3	6.6		

PEAK ELECTRICAL LOAD BREAKDOWN

SOURCE	KW	PCT
-----	-----	-----
SYSTEMS LOAD	16.127	100.0
	=====	
TOTAL	16.127	

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025PDL RUN 1

REPORT- PS-H EQUIPMENT USE STATISTICS

WEATHER FILE- SEATTLE SEATTLE-T WA

E Q U I P M E N T	AVG OPER RATIO	MAX LOAD (MBTU)	----- MON DAY HR		----- SIZE OPER (MBTU) HRS		----- SIZE OPER (MBTU) HRS		----- SIZE OPER (MBTU) HRS		----- SIZE OPER (MBTU) HRS	
HW-BOILER	0.152	0.070	2	19	5	0.144	4376					

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025PDL RUN 1

REPORT- PS-I EQUIPMENT LIFE CYCLE COSTS

WEATHER FILE- SEATTLE SEATTLE-T WA

EQUIPMENT TOTALS

HW-BOILER	12.0		
NOMINAL SIZE (MBTU)		0.144	
NUMBER INSTALLED		1	
FIRST COST (K\$)	9.7	9.7	
ANNUAL COST (K\$)	0.6	0.6	
CYCLICAL COST (K\$)	1.8	1.8	
-----TOTAL----- (K\$)		12.0	
EQUIPMENT TOTAL	12.0		

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025PDL RUN 1

REPORT- BEPS BUILDING ENERGY PERFORMANCE SUMMARY

WEATHER FILE- SEATTLE SEATTLE-T WA

ENERGY TYPE: UNITS: MBTU	ELECTRICITY	NATURAL-GAS
CATEGORY OF USE		
AREA LIGHTS	14.9	0.0
MISC EQUIPMT	67.8	0.0
SPACE HEAT	0.0	154.3
SPACE COOL	14.7	0.0
PUMPS & MISC	1.1	0.0
VENT FANS	74.7	0.0
DOMHOT WATER	0.0	110.7

TOTAL	173.4	265.1

TOTAL SITE ENERGY	438.42 MBTU	88.1 KBTU/SQFT-YR GROSS-AREA	88.1 KBTU/SQFT-YR NET-AREA
TOTAL SOURCE ENERGY	785.19 MBTU	157.9 KBTU/SQFT-YR GROSS-AREA	157.9 KBTU/SQFT-YR NET-AREA

PERCENT OF HOURS ANY SYSTEM ZONE OUTSIDE OF THROTTLING RANGE = 0.0
PERCENT OF HOURS ANY PLANT LOAD NOT SATISFIED = 0.0

NOTE: ENERGY IS APPORTIONED HOURLY TO ALL END-USE CATEGORIES.

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025PDL RUN 1

REPORT- BEPU BUILDING ENERGY PERFORMANCE SUMMARY (UTILITY UNITS)

WEATHER FILE- SEATTLE SEATTLE-T WA

ENERGY TYPE: SITE UNITS:	ELECTRICITY KWH	NATURAL-GAS THERM
CATEGORY OF USE		
AREA LIGHTS	4377.	0.
MISC EQUIPMT	19860.	0.
SPACE HEAT	0.	1543.
SPACE COOL	4320.	0.
PUMPS & MISC	337.	0.
VENT FANS	21902.	0.
DOMHOT WATER	0.	1107.

TOTAL	50795.	2651.

TOTAL ELECTRICITY	50795. KWH	10.212 KWH	/SQFT-YR GROSS-AREA	10.212 KWH	/SQFT-YR NET-AREA
TOTAL NATURAL-GAS	2651. THERM	0.533 THERM	/SQFT-YR GROSS-AREA	0.533 THERM	/SQFT-YR NET-AREA

PERCENT OF HOURS ANY SYSTEM ZONE OUTSIDE OF THROTTLING RANGE = 0.0
PERCENT OF HOURS ANY PLANT LOAD NOT SATISFIED = 0.0

NOTE: ENERGY IS APPORTIONED HOURLY TO ALL END-USE CATEGORIES.

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025PDL RUN 1

TO-ENERGYPRO = HOURLY-REPORT

PAGE 1 - 1

MMDDHH	END-USE	END-USE	END-USE	END-USE	END-USE	END-USE	END-USE	END-USE
	AREA LITE KW	TASK LITE KW	EQUIP ELEC KW	SOURCE ELEC KW	HEATING ELEC KW	SUPPLEMT ELEC KW	COOLING ELEC KW	HEAT REJ ELEC KW
	----(1)	----(2)	----(3)	----(4)	----(5)	----(11)	----(6)	----(7)
0 MONTHLY SUMMARY (JAN)								
MN	0.080	0.000	0.591	0.000	0.000	0.000	0.000	0.000
MX	2.406	0.000	5.323	0.000	0.000	0.000	0.021	0.000
SM	371.724	0.000	1686.673	0.000	0.000	0.000	0.021	0.000
AV	0.500	0.000	2.267	0.000	0.000	0.000	0.000	0.000
0 MONTHLY SUMMARY (FEB)								
MN	0.080	0.000	0.591	0.000	0.000	0.000	0.000	0.000
MX	2.406	0.000	5.323	0.000	0.000	0.000	0.211	0.000
SM	335.751	0.000	1523.447	0.000	0.000	0.000	0.299	0.000
AV	0.500	0.000	2.267	0.000	0.000	0.000	0.000	0.000
0 MONTHLY SUMMARY (MAR)								
MN	0.080	0.000	0.591	0.000	0.000	0.000	0.000	0.000
MX	2.406	0.000	5.323	0.000	0.000	0.000	0.255	0.000
SM	371.724	0.000	1686.673	0.000	0.000	0.000	0.635	0.000
AV	0.500	0.000	2.267	0.000	0.000	0.000	0.001	0.000
0 MONTHLY SUMMARY (APR)								
MN	0.080	0.000	0.591	0.000	0.000	0.000	0.000	0.000
MX	2.406	0.000	5.323	0.000	0.000	0.000	5.560	0.000
SM	359.733	0.000	1632.264	0.000	0.000	0.000	120.713	0.000
AV	0.500	0.000	2.267	0.000	0.000	0.000	0.168	0.000
0 MONTHLY SUMMARY (MAY)								
MN	0.080	0.000	0.591	0.000	0.000	0.000	0.000	0.000
MX	2.406	0.000	5.323	0.000	0.000	0.000	4.826	0.000
SM	371.724	0.000	1686.673	0.000	0.000	0.000	345.177	0.000
AV	0.500	0.000	2.267	0.000	0.000	0.000	0.464	0.000
0 MONTHLY SUMMARY (JUN)								
MN	0.080	0.000	0.591	0.000	0.000	0.000	0.000	0.000
MX	2.406	0.000	5.323	0.000	0.000	0.000	6.223	0.000
SM	359.733	0.000	1632.264	0.000	0.000	0.000	702.048	0.000
AV	0.500	0.000	2.267	0.000	0.000	0.000	0.975	0.000
0 MONTHLY SUMMARY (JUL)								
MN	0.080	0.000	0.591	0.000	0.000	0.000	0.000	0.000
MX	2.406	0.000	5.323	0.000	0.000	0.000	7.807	0.000
SM	371.724	0.000	1686.673	0.000	0.000	0.000	1246.465	0.000
AV	0.500	0.000	2.267	0.000	0.000	0.000	1.675	0.000
0 MONTHLY SUMMARY (AUG)								
MN	0.080	0.000	0.591	0.000	0.000	0.000	0.000	0.000
MX	2.406	0.000	5.323	0.000	0.000	0.000	8.696	0.000
SM	371.724	0.000	1686.673	0.000	0.000	0.000	1362.664	0.000
AV	0.500	0.000	2.267	0.000	0.000	0.000	1.832	0.000
0 MONTHLY SUMMARY (SEP)								
MN	0.080	0.000	0.591	0.000	0.000	0.000	0.000	0.000
MX	2.406	0.000	5.323	0.000	0.000	0.000	5.470	0.000
SM	359.733	0.000	1632.264	0.000	0.000	0.000	502.534	0.000
AV	0.500	0.000	2.267	0.000	0.000	0.000	0.698	0.000
0 MONTHLY SUMMARY (OCT)								
MN	0.080	0.000	0.591	0.000	0.000	0.000	0.000	0.000
MX	2.406	0.000	5.323	0.000	0.000	0.000	2.429	0.000
SM	371.724	0.000	1686.673	0.000	0.000	0.000	38.003	0.000
AV	0.500	0.000	2.267	0.000	0.000	0.000	0.051	0.000
0 MONTHLY SUMMARY (NOV)								
MN	0.080	0.000	0.591	0.000	0.000	0.000	0.000	0.000
MX	2.406	0.000	5.323	0.000	0.000	0.000	0.843	0.000
SM	359.733	0.000	1632.264	0.000	0.000	0.000	1.261	0.000
AV	0.500	0.000	2.267	0.000	0.000	0.000	0.002	0.000
0 MONTHLY SUMMARY (DEC)								
MN	0.080	0.000	0.591	0.000	0.000	0.000	0.000	0.000
MX	2.406	0.000	5.323	0.000	0.000	0.000	0.029	0.000
SM	371.724	0.000	1686.673	0.000	0.000	0.000	0.049	0.000
AV	0.500	0.000	2.267	0.000	0.000	0.000	0.000	0.000
0 YEARLY SUMMARY								
MN	0.080	0.000	0.591	0.000	0.000	0.000	0.000	0.000
MX	2.406	0.000	5.323	0.000	0.000	0.000	8.696	0.000
SM	4376.749	0.000	19859.217	0.000	0.000	0.000	4319.870	0.000
AV	0.500	0.000	2.267	0.000	0.000	0.000	0.493	0.000

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025PDL RUN 1

TO-ENERGYPRO = HOURLY-REPORT

PAGE 1 - 2

MMDDHH	END-USE	END-USE	END-USE	END-USE	END-USE	END-USE	END-USE	END-USE
	AUXIL ELEC KW	VENTILAT ELEC KW	DHW HEAT ELEC KW	SOURCE FUEL BTU/HR	HEATING FUEL BTU/HR	COOLING FUEL BTU/HR	DHW HEAT FUEL BTU/HR	EXTERIOR LITE KW
	----(8)	----(9)	----(12)	----(14)	----(15)	----(16)	----(18)	----(20)
0 MONTHLY SUMMARY (JAN)								
MN	0.077	2.500	0.000	0.000	2084.502	0.000	2772.904	0.000
MX	0.077	2.500	0.000	0.000	90685.500	0.000	21873.693	0.000
SM	56.952	1860.298	0.000	0.000	38612532.000	0.000	9403439.000	0.000
AV	0.077	2.500	0.000	0.000	51898.566	0.000	12639.031	0.000
0 MONTHLY SUMMARY (FEB)								
MN	0.000	2.500	0.000	0.000	0.000	0.000	2772.904	0.000
MX	0.077	2.500	0.000	0.000	98507.695	0.000	21873.693	0.000
SM	48.991	1680.269	0.000	0.000	26417714.000	0.000	8497124.000	0.000
AV	0.073	2.500	0.000	0.000	39312.074	0.000	12644.529	0.000
0 MONTHLY SUMMARY (MAR)								
MN	0.000	2.500	0.000	0.000	0.000	0.000	2772.904	0.000
MX	0.077	2.500	0.000	0.000	66466.500	0.000	21873.693	0.000
SM	46.465	1860.298	0.000	0.000	15500430.000	0.000	9407681.000	0.000
AV	0.062	2.500	0.000	0.000	20833.912	0.000	12644.732	0.000
0 MONTHLY SUMMARY (APR)								
MN	0.000	2.500	0.000	0.000	0.000	0.000	2772.904	0.000
MX	0.077	2.500	0.000	0.000	64107.215	0.000	21873.693	0.000
SM	24.572	1800.288	0.000	0.000	5818881.000	0.000	9097090.000	0.000
AV	0.034	2.500	0.000	0.000	8081.779	0.000	12634.848	0.000
0 MONTHLY SUMMARY (MAY)								
MN	0.000	2.500	0.000	0.000	0.000	0.000	2772.904	0.000
MX	0.077	2.500	0.000	0.000	37923.879	0.000	21873.693	0.000
SM	8.650	1860.298	0.000	0.000	1026010.250	0.000	9407682.000	0.000
AV	0.012	2.500	0.000	0.000	1379.046	0.000	12644.733	0.000
0 MONTHLY SUMMARY (JUN)								
MN	0.000	2.500	0.000	0.000	0.000	0.000	2772.904	0.000
MX	0.077	2.500	0.000	0.000	5049.938	0.000	21873.693	0.000
SM	0.919	1800.288	0.000	0.000	21185.744	0.000	9101333.000	0.000
AV	0.001	2.500	0.000	0.000	29.425	0.000	12640.740	0.000
0 MONTHLY SUMMARY (JUL)								
MN	0.000	2.500	0.000	0.000	0.000	0.000	2772.904	0.000
MX	0.077	2.500	0.000	0.000	165.348	0.000	21873.693	0.000
SM	0.153	1860.298	0.000	0.000	165.348	0.000	9403439.000	0.000
AV	0.000	2.500	0.000	0.000	0.222	0.000	12639.031	0.000
0 MONTHLY SUMMARY (AUG)								
MN	0.000	2.500	0.000	0.000	0.000	0.000	2772.904	0.000
MX	0.077	2.500	0.000	0.000	259.139	0.000	21873.693	0.000
SM	0.077	1860.298	0.000	0.000	259.139	0.000	9407681.000	0.000
AV	0.000	2.500	0.000	0.000	0.348	0.000	12644.732	0.000
0 MONTHLY SUMMARY (SEP)								
MN	0.000	2.500	0.000	0.000	0.000	0.000	2772.904	0.000
MX	0.077	2.500	0.000	0.000	29136.912	0.000	21873.693	0.000
SM	4.593	1800.288	0.000	0.000	402010.875	0.000	9101334.000	0.000
AV	0.006	2.500	0.000	0.000	558.348	0.000	12640.741	0.000
0 MONTHLY SUMMARY (OCT)								
MN	0.000	2.500	0.000	0.000	0.000	0.000	2772.904	0.000
MX	0.077	2.500	0.000	0.000	46227.016	0.000	21873.693	0.000
SM	37.049	1860.298	0.000	0.000	7542287.000	0.000	9403439.000	0.000
AV	0.050	2.500	0.000	0.000	10137.482	0.000	12639.031	0.000
0 MONTHLY SUMMARY (NOV)								
MN	0.000	2.500	0.000	0.000	0.000	0.000	2772.904	0.000
MX	0.077	2.500	0.000	0.000	71947.516	0.000	21873.693	0.000
SM	51.441	1800.288	0.000	0.000	23309602.000	0.000	9114064.000	0.000
AV	0.071	2.500	0.000	0.000	32374.447	0.000	12658.422	0.000
0 MONTHLY SUMMARY (DEC)								
MN	0.077	2.500	0.000	0.000	4612.141	0.000	2772.904	0.000
MX	0.077	2.500	0.000	0.000	83008.836	0.000	21873.693	0.000
SM	56.952	1860.298	0.000	0.000	35658592.000	0.000	9403439.000	0.000
AV	0.077	2.500	0.000	0.000	47928.215	0.000	12639.031	0.000
0 YEARLY SUMMARY								
MN	0.000	2.500	0.000	0.000	0.000	0.000	2772.904	0.000
MX	0.077	2.500	0.000	0.000	98507.695	0.000	21873.693	0.000
SM	336.814	21903.510	0.000	0.000	154309664.000	0.000	110747752.000	0.000
AV	0.038	2.500	0.000	0.000	17615.258	0.000	12642.438	0.000

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025PDL RUN 1

TO-ENERGYPRO = HOURLY-REPORT

PAGE 1 - 3

MMDDHH	END-USE	END-USE	END-USE	END-USE	PLANT	PLANT	CTANK-ST ORAGE ENERGY RELEASED BTU/HR	CTANK-ST ORAGE TOTAL IN STORAGE BTU/HR
	EXT MISC ELEC KW	EXT MISC FUEL BTU/HR	METER STEAM UNITS	METER CHIL WTR UNITS	SYS HEAT LOAD BTU/HR	SYS COOL LOAD BTU/HR		
	----(21)	----(22)	----(33)	----(34)	----(1)	----(2)	----(1)	----(14)
0 MONTHLY SUMMARY (JAN)								
MN	0.000	0.000	0.000	0.000	1275.	0.	0.	0.
MX	0.000	0.000	0.000	0.000	62646.	0.	0.	0.
SM	0.000	0.000	0.000	0.000	24209956.	0.	0.	0.
AV	0.000	0.000	0.000	0.000	32540.	0.	0.	0.
0 MONTHLY SUMMARY (FEB)								
MN	0.000	0.000	0.000	0.000	0.	0.	0.	0.
MX	0.000	0.000	0.000	0.000	69355.	0.	0.	0.
SM	0.000	0.000	0.000	0.000	16522622.	0.	0.	0.
AV	0.000	0.000	0.000	0.000	24587.	0.	0.	0.
0 MONTHLY SUMMARY (MAR)								
MN	0.000	0.000	0.000	0.000	0.	0.	0.	0.
MX	0.000	0.000	0.000	0.000	42209.	0.	0.	0.
SM	0.000	0.000	0.000	0.000	9496201.	0.	0.	0.
AV	0.000	0.000	0.000	0.000	12764.	0.	0.	0.
0 MONTHLY SUMMARY (APR)								
MN	0.000	0.000	0.000	0.000	0.	0.	0.	0.
MX	0.000	0.000	0.000	0.000	40244.	0.	0.	0.
SM	0.000	0.000	0.000	0.000	3560882.	0.	0.	0.
AV	0.000	0.000	0.000	0.000	4946.	0.	0.	0.
0 MONTHLY SUMMARY (MAY)								
MN	0.000	0.000	0.000	0.000	0.	0.	0.	0.
MX	0.000	0.000	0.000	0.000	23199.	0.	0.	0.
SM	0.000	0.000	0.000	0.000	627689.	0.	0.	0.
AV	0.000	0.000	0.000	0.000	844.	0.	0.	0.
0 MONTHLY SUMMARY (JUN)								
MN	0.000	0.000	0.000	0.000	0.	0.	0.	0.
MX	0.000	0.000	0.000	0.000	3089.	0.	0.	0.
SM	0.000	0.000	0.000	0.000	12986.	0.	0.	0.
AV	0.000	0.000	0.000	0.000	18.	0.	0.	0.
0 MONTHLY SUMMARY (JUL)								
MN	0.000	0.000	0.000	0.000	0.	0.	0.	0.
MX	0.000	0.000	0.000	0.000	67.	0.	0.	0.
SM	0.000	0.000	0.000	0.000	79.	0.	0.	0.
AV	0.000	0.000	0.000	0.000	0.	0.	0.	0.
0 MONTHLY SUMMARY (AUG)								
MN	0.000	0.000	0.000	0.000	0.	0.	0.	0.
MX	0.000	0.000	0.000	0.000	145.	0.	0.	0.
SM	0.000	0.000	0.000	0.000	145.	0.	0.	0.
AV	0.000	0.000	0.000	0.000	0.	0.	0.	0.
0 MONTHLY SUMMARY (SEP)								
MN	0.000	0.000	0.000	0.000	0.	0.	0.	0.
MX	0.000	0.000	0.000	0.000	17829.	0.	0.	0.
SM	0.000	0.000	0.000	0.000	245948.	0.	0.	0.
AV	0.000	0.000	0.000	0.000	342.	0.	0.	0.
0 MONTHLY SUMMARY (OCT)								
MN	0.000	0.000	0.000	0.000	0.	0.	0.	0.
MX	0.000	0.000	0.000	0.000	28229.	0.	0.	0.
SM	0.000	0.000	0.000	0.000	4613954.	0.	0.	0.
AV	0.000	0.000	0.000	0.000	6202.	0.	0.	0.
0 MONTHLY SUMMARY (NOV)								
MN	0.000	0.000	0.000	0.000	0.	0.	0.	0.
MX	0.000	0.000	0.000	0.000	46791.	0.	0.	0.
SM	0.000	0.000	0.000	0.000	14318576.	0.	0.	0.
AV	0.000	0.000	0.000	0.000	19887.	0.	0.	0.
0 MONTHLY SUMMARY (DEC)								
MN	0.000	0.000	0.000	0.000	2821.	0.	0.	0.
MX	0.000	0.000	0.000	0.000	56114.	0.	0.	0.
SM	0.000	0.000	0.000	0.000	22141784.	0.	0.	0.
AV	0.000	0.000	0.000	0.000	29760.	0.	0.	0.
0 YEARLY SUMMARY								
MN	0.000	0.000	0.000	0.000	0.	0.	0.	0.
MX	0.000	0.000	0.000	0.000	69355.	0.	0.	0.
SM	0.000	0.000	0.000	0.000	95750824.	0.	0.	0.
AV	0.000	0.000	0.000	0.000	10930.	0.	0.	0.

MESSAGE LIST FROM ECONOMICS PROGRAM

0 **CAUTION**
BLOCK-CHARGE RATE-01-ELECTRIC IS USED IN A TIME-OF-USE
FORMAT, BUT IS NOT TOU-SEASON-LINKED TO ANY OTHER
BLOCK-CHARGES FOR SEASONAL CHANGES. THEREFORE, ANY
SEASONAL CHANGE MUST OCCUR ON THE BILLING DAY OR
ERRORS WILL RESULT. REFER TO REPORT ES-F.

0 **CAUTION**
BLOCK-CHARGE RATE-11-ELECTRIC IS USED IN A TIME-OF-USE
FORMAT, BUT IS NOT TOU-SEASON-LINKED TO ANY OTHER
BLOCK-CHARGES FOR SEASONAL CHANGES. THEREFORE, ANY
SEASONAL CHANGE MUST OCCUR ON THE BILLING DAY OR
ERRORS WILL RESULT. REFER TO REPORT ES-F.

0 **CAUTION**
BLOCK-CHARGE RATE-21-ELECTRIC IS USED IN A TIME-OF-USE
FORMAT, BUT IS NOT TOU-SEASON-LINKED TO ANY OTHER
BLOCK-CHARGES FOR SEASONAL CHANGES. THEREFORE, ANY
SEASONAL CHANGE MUST OCCUR ON THE BILLING DAY OR
ERRORS WILL RESULT. REFER TO REPORT ES-F.

0 **CAUTION**
BLOCK-CHARGE RATE-31-ELECTRIC IS USED IN A TIME-OF-USE
FORMAT, BUT IS NOT TOU-SEASON-LINKED TO ANY OTHER
BLOCK-CHARGES FOR SEASONAL CHANGES. THEREFORE, ANY
SEASONAL CHANGE MUST OCCUR ON THE BILLING DAY OR
ERRORS WILL RESULT. REFER TO REPORT ES-F.

0 **CAUTION**
BLOCK-CHARGE RATE-41-ELECTRIC IS USED IN A TIME-OF-USE
FORMAT, BUT IS NOT TOU-SEASON-LINKED TO ANY OTHER
BLOCK-CHARGES FOR SEASONAL CHANGES. THEREFORE, ANY
SEASONAL CHANGE MUST OCCUR ON THE BILLING DAY OR
ERRORS WILL RESULT. REFER TO REPORT ES-F.

0 **CAUTION**
BLOCK-CHARGE RATE-51-ELECTRIC IS USED IN A TIME-OF-USE
FORMAT, BUT IS NOT TOU-SEASON-LINKED TO ANY OTHER
BLOCK-CHARGES FOR SEASONAL CHANGES. THEREFORE, ANY
SEASONAL CHANGE MUST OCCUR ON THE BILLING DAY OR
ERRORS WILL RESULT. REFER TO REPORT ES-F.

0 **CAUTION**
BLOCK-CHARGE RATE-01-NATURAL- IS USED IN A TIME-OF-USE
FORMAT, BUT IS NOT TOU-SEASON-LINKED TO ANY OTHER
BLOCK-CHARGES FOR SEASONAL CHANGES. THEREFORE, ANY
SEASONAL CHANGE MUST OCCUR ON THE BILLING DAY OR
ERRORS WILL RESULT. REFER TO REPORT ES-F.

0 **CAUTION**
BLOCK-CHARGE RATE-11-NATURAL- IS USED IN A TIME-OF-USE
FORMAT, BUT IS NOT TOU-SEASON-LINKED TO ANY OTHER
BLOCK-CHARGES FOR SEASONAL CHANGES. THEREFORE, ANY
SEASONAL CHANGE MUST OCCUR ON THE BILLING DAY OR
ERRORS WILL RESULT. REFER TO REPORT ES-F.

0 **CAUTION**
BLOCK-CHARGE RATE-21-NATURAL- IS USED IN A TIME-OF-USE
FORMAT, BUT IS NOT TOU-SEASON-LINKED TO ANY OTHER
BLOCK-CHARGES FOR SEASONAL CHANGES. THEREFORE, ANY
SEASONAL CHANGE MUST OCCUR ON THE BILLING DAY OR
ERRORS WILL RESULT. REFER TO REPORT ES-F.

0 **CAUTION**
BLOCK-CHARGE RATE-31-NATURAL- IS USED IN A TIME-OF-USE
FORMAT, BUT IS NOT TOU-SEASON-LINKED TO ANY OTHER
BLOCK-CHARGES FOR SEASONAL CHANGES. THEREFORE, ANY
SEASONAL CHANGE MUST OCCUR ON THE BILLING DAY OR
ERRORS WILL RESULT. REFER TO REPORT ES-F.

0 **CAUTION**
BLOCK-CHARGE RATE-41-NATURAL- IS USED IN A TIME-OF-USE
FORMAT, BUT IS NOT TOU-SEASON-LINKED TO ANY OTHER
BLOCK-CHARGES FOR SEASONAL CHANGES. THEREFORE, ANY
SEASONAL CHANGE MUST OCCUR ON THE BILLING DAY OR
ERRORS WILL RESULT. REFER TO REPORT ES-F.

0 **CAUTION**
BLOCK-CHARGE RATE-51-NATURAL- IS USED IN A TIME-OF-USE
FORMAT, BUT IS NOT TOU-SEASON-LINKED TO ANY OTHER
BLOCK-CHARGES FOR SEASONAL CHANGES. THEREFORE, ANY
SEASONAL CHANGE MUST OCCUR ON THE BILLING DAY OR
ERRORS WILL RESULT. REFER TO REPORT ES-F.

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025EDL RUN 1

REPORT- ES-D ENERGY COST SUMMARY

UTILITY-RATE	RESOURCE	METERS	METERED ENERGY UNITS/YR	TOTAL CHARGE (\$)	VIRTUAL RATE (\$/UNIT)	RATE USED ALL YEAR?
0ELEC-CO Electric	ELECTRICITY	1 2 3 4 5	50796. KWH	35799.	0.7048	YES
0GAS-CO GAS	NATURAL-GAS	1 2 3 4 5	2651. THERM	31265.	11.7956	YES
0				=====		
0				67064.		
			ENERGY COST/GROSS BLDG AREA:	13.48		
			ENERGY COST/NET BLDG AREA:	13.48		

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025EDL RUN 1

REPORT- ES-E SUMMARY OF UTILITY-RATE: ELEC-CO Electric

UTILITY-RATE: ELEC-CO Electric RESOURCE: ELECTRICITY DEMAND-WINDOW: HOUR 3413. BTU/KWH
METERS: 1 2 3 4 5 BILLING-DAY: 31 RATE-LIMITATION: 0.0000
POWER-FACTOR: 0.80 EXCESS-KVAR-FRAC: 0.30 EXCESS-KVAR-CHG: 0.0000

RATE-QUALIFICATIONS

BLOCK-CHARGES

DEMAND-RATCHETS

MIN-MON-RATCHETS

MIN-ENERGY: 0.0
MAX-ENERGY: 0.0
MIN-DEMAND: 0.0
MAX-DEMAND: 0.0
QUALIFY-RATE: ALL-MONTHS
USE-MIN-QUAL: NO

RATE-01-ELECTRIC
RATE-11-ELECTRIC
RATE-21-ELECTRIC
RATE-31-ELECTRIC
RATE-41-ELECTRIC
RATE-51-ELECTRIC

0

MONTH	METERED ENERGY KWH	BILLING ENERGY KWH	METERED DEMAND KW	BILLING DEMAND KW	ENERGY CHARGE (\$)	DEMAND CHARGE (\$)	ENERGY CST ADJ (\$)	TAXES (\$)	SURCHRG (\$)	FIXED CHARGE (\$)	MINIMUM CHARGE (\$)	VIRTUAL RATE (\$/UNIT)	TOTAL CHARGE (\$)
0 JAN	3976	3976	8.8	8.8	2783	16	0	0	0	0	0	0.7040	2799
0 FEB	3589	3589	8.8	8.8	2512	16	0	0	0	0	0	0.7044	2528
0 MAR	3966	3966	8.8	8.8	2776	16	0	0	0	0	0	0.7040	2792
0 APR	3938	3938	12.6	12.6	2756	22	0	0	0	0	0	0.7056	2778
0 MAY	4273	4273	12.1	12.1	2991	22	0	0	0	0	0	0.7051	3012
0 JUN	4495	4495	13.7	13.7	3147	24	0	0	0	0	0	0.7053	3171
0 JUL	5165	5165	15.1	15.1	3616	26	0	0	0	0	0	0.7050	3642
0 AUG	5281	5281	16.1	16.1	3697	28	0	0	0	0	0	0.7053	3725
0 SEP	4299	4299	12.4	12.4	3010	22	0	0	0	0	0	0.7052	3032
0 OCT	3994	3994	10.3	10.3	2796	18	0	0	0	0	0	0.7046	2814
0 NOV	3845	3845	8.8	8.8	2691	16	0	0	0	0	0	0.7042	2708
0 DEC	3976	3976	8.8	8.8	2783	16	0	0	0	0	0	0.7040	2799
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
TOTAL	50796	50796	16.1		35557	242	0	0	0	0		0.7048	35799

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025EDL RUN 1

REPORT- ES-F BLOCK-CHARGE AND RATCHET SUMMARY FOR: ELEC-CO Electric

UTILITY-RATE: ELEC-CO Electric

RESOURCE: ELECTRICITY

ENERGY-UNITS: KWH

DEMAND-UNITS: KW

DEMAND-WINDOW: HOUR

0

BLOCK-CHARGES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
0RATE-01-ELECTRIC USE: TIME-OF-USE													
METERED ENERGY:	1017	955	1057	953	0	0	0	0	0	0	1121	1017	
BILLING ENERGY:	1017	955	1057	953	0	0	0	0	0	0	1121	1017	6119
METERED DEMAND:	5.8	5.8	5.8	7.4	0.0	0.0	0.0	0.0	0.0	0.0	5.8	5.8	
BILLING DEMAND:	5.8	5.8	5.8	7.4	0.0	0.0	0.0	0.0	0.0	0.0	5.8	5.8	
ENERGY CHGS(\$):	712	668	740	667	0	0	0	0	0	0	785	712	4283
DEMAND CHGS(\$):	4	4	4	5	0	0	0	0	0	0	4	4	25
TOTAL CHGS(\$):	716	672	744	672	0	0	0	0	0	0	789	716	4309
0RATE-11-ELECTRIC USE: TIME-OF-USE													
METERED ENERGY:	1945	1717	1894	1940	0	0	0	0	0	0	1722	1922	
BILLING ENERGY:	1945	1717	1894	1940	0	0	0	0	0	0	1722	1922	11140
METERED DEMAND:	8.2	8.2	8.2	11.4	0.0	0.0	0.0	0.0	0.0	0.0	8.7	8.2	
BILLING DEMAND:	8.2	8.2	8.2	11.4	0.0	0.0	0.0	0.0	0.0	0.0	8.7	8.2	
ENERGY CHGS(\$):	1362	1202	1326	1358	0	0	0	0	0	0	1205	1345	7798
DEMAND CHGS(\$):	6	6	6	8	0	0	0	0	0	0	6	6	37
TOTAL CHGS(\$):	1368	1208	1331	1366	0	0	0	0	0	0	1211	1351	7835
0RATE-21-ELECTRIC USE: TIME-OF-USE													
METERED ENERGY:	0	0	0	0	1048	1001	1047	1164	995	1013	0	0	
BILLING ENERGY:	0	0	0	0	1048	1001	1047	1164	995	1013	0	0	6268
METERED DEMAND:	0.0	0.0	0.0	0.0	6.6	7.8	8.5	9.8	7.5	5.8	0.0	0.0	
BILLING DEMAND:	0.0	0.0	0.0	0.0	6.6	7.8	8.5	9.8	7.5	5.8	0.0	0.0	
ENERGY CHGS(\$):	0	0	0	0	734	700	733	815	697	709	0	0	4388
DEMAND CHGS(\$):	0	0	0	0	5	5	6	7	5	4	0	0	32
TOTAL CHGS(\$):	0	0	0	0	739	706	739	821	702	713	0	0	4420
0RATE-31-ELECTRIC USE: TIME-OF-USE													
METERED ENERGY:	0	0	0	0	2009	2130	2481	2476	2050	1933	0	0	
BILLING ENERGY:	0	0	0	0	2009	2130	2481	2476	2050	1933	0	0	13078
METERED DEMAND:	0.0	0.0	0.0	0.0	12.1	12.6	13.5	13.7	12.4	10.3	0.0	0.0	
BILLING DEMAND:	0.0	0.0	0.0	0.0	12.1	12.6	13.5	13.7	12.4	10.3	0.0	0.0	
ENERGY CHGS(\$):	0	0	0	0	1406	1491	1737	1733	1435	1353	0	0	9155
DEMAND CHGS(\$):	0	0	0	0	8	9	9	10	9	7	0	0	52
TOTAL CHGS(\$):	0	0	0	0	1415	1500	1746	1742	1444	1360	0	0	9207
0RATE-41-ELECTRIC USE: TIME-OF-USE													
METERED ENERGY:	0	0	0	0	1216	1365	1637	1642	1254	1049	0	0	
BILLING ENERGY:	0	0	0	0	1216	1365	1637	1642	1254	1049	0	0	8162
METERED DEMAND:	0.0	0.0	0.0	0.0	12.1	13.7	15.1	16.1	12.1	10.0	0.0	0.0	
BILLING DEMAND:	0.0	0.0	0.0	0.0	12.1	13.7	15.1	16.1	12.1	10.0	0.0	0.0	
ENERGY CHGS(\$):	0	0	0	0	851	955	1146	1149	878	734	0	0	5713
DEMAND CHGS(\$):	0	0	0	0	8	10	11	11	8	7	0	0	55
TOTAL CHGS(\$):	0	0	0	0	859	965	1156	1161	886	741	0	0	5769
0RATE-51-ELECTRIC USE: TIME-OF-USE													
METERED ENERGY:	1013	917	1015	1045	0	0	0	0	0	0	1002	1037	
BILLING ENERGY:	1013	917	1015	1045	0	0	0	0	0	0	1002	1037	6029
METERED DEMAND:	8.8	8.8	8.8	12.6	0.0	0.0	0.0	0.0	0.0	0.0	8.8	8.8	
BILLING DEMAND:	8.8	8.8	8.8	12.6	0.0	0.0	0.0	0.0	0.0	0.0	8.8	8.8	
ENERGY CHGS(\$):	709	642	710	731	0	0	0	0	0	0	702	726	4220
DEMAND CHGS(\$):	6	6	6	9	0	0	0	0	0	0	6	6	40
TOTAL CHGS(\$):	716	648	717	740	0	0	0	0	0	0	708	732	4260
=====													
TOTAL ENERGY:	3976	3589	3966	3938	4273	4495	5165	5281	4299	3994	3845	3976	50796
TOTAL CHARGES (\$):	2799	2528	2792	2778	3012	3171	3642	3725	3032	2814	2708	2799	35799

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025EDL RUN 1

REPORT- ES-E SUMMARY OF UTILITY-RATE: GAS-CO GAS

UTILITY-RATE: GAS-CO GAS

RESOURCE: NATURAL-GAS
METERS: 1 2 3 4 5DEMAND-WINDOW: HOUR
BILLING-DAY: 31100000. BTU/THERM
RATE-LIMITATION: 0.0000

RATE-QUALIFICATIONS

BLOCK-CHARGES

DEMAND-RATCHETS

MIN-MON-RATCHETS

MIN-ENERGY: 0.0
MAX-ENERGY: 0.0
MIN-DEMAND: 0.0
MAX-DEMAND: 0.0
QUALIFY-RATE: ALL-MONTHS
USE-MIN-QUAL: NO

RATE-01-NATURAL-
RATE-11-NATURAL-
RATE-21-NATURAL-
RATE-31-NATURAL-
RATE-41-NATURAL-
RATE-51-NATURAL-

0	METERED ENERGY THERM	BILLING ENERGY THERM	METERED DEMAND THERMS	BILLING DEMAND THERMS	ENERGY CHARGE (\$)	DEMAND CHARGE (\$)	ENERGY CST ADJ (\$)	TAXES (\$)	SURCHRG (\$)	FIXED CHARGE (\$)	MINIMUM CHARGE (\$)	VIRTUAL RATE (\$/UNIT)	TOTAL CHARGE (\$)
0 JAN	480	480	1.1	1.1	5618	35	0	0	0	0	0	11.7739	5653
0 FEB	349	349	1.1	1.1	4085	36	0	0	0	0	0	11.8026	4121
0 MAR	249	249	0.8	0.8	2914	28	0	0	0	0	0	11.8110	2942
0 APR	149	149	0.8	0.8	1745	22	0	0	0	0	0	11.8455	1767
0 MAY	104	104	0.5	0.5	1221	13	0	0	0	0	0	11.8264	1234
0 JUN	91	91	0.2	0.2	1067	8	0	0	0	0	0	11.7850	1075
0 JUL	94	94	0.2	0.2	1100	8	0	0	0	0	0	11.7816	1108
0 AUG	94	94	0.2	0.2	1101	8	0	0	0	0	0	11.7816	1108
0 SEP	95	95	0.4	0.4	1112	10	0	0	0	0	0	11.8061	1122
0 OCT	169	169	0.7	0.7	1983	21	0	0	0	0	0	11.8228	2003
0 NOV	324	324	0.9	0.9	3794	31	0	0	0	0	0	11.7949	3824
0 DEC	451	451	1.0	1.0	5272	35	0	0	0	0	0	11.7770	5307
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
TOTAL	2651	2651	1.1		31012	253	0	0	0	0		11.7956	31265

DOE-2 OUTPUT REPORT

Baseline

Baseline Building (90.1 Appendix G)

DOE-2.1E-124 Thu Mar 27 15:27:13 2025EDL RUN 1

REPORT- ES-F BLOCK-CHARGE AND RATCHET SUMMARY FOR: GAS-CO GAS

UTILITY-RATE: GAS-CO GAS

RESOURCE: NATURAL-GAS

ENERGY-UNITS: THERM

DEMAND-UNITS: THERMS

DEMAND-WINDOW: HOUR

0

BLOCK-CHARGES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR

0RATE-01-NATURAL- USE: TIME-OF-USE													
METERED ENERGY:	169	139	107	53	0	0	0	0	0	0	130	163	
BILLING ENERGY:	169	139	107	53	0	0	0	0	0	0	130	163	761
METERED DEMAND:	1.0	1.0	0.8	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.0	
BILLING DEMAND:	1.0	1.0	0.8	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.0	
ENERGY CHGS(\$):	1980	1630	1246	623	0	0	0	0	0	0	1519	1909	8907
DEMAND CHGS(\$):	11	12	9	8	0	0	0	0	0	0	11	12	63
TOTAL CHGS(\$):	1991	1642	1256	632	0	0	0	0	0	0	1530	1920	8970
0RATE-11-NATURAL- USE: TIME-OF-USE													
METERED ENERGY:	215	145	100	68	0	0	0	0	0	0	126	193	
BILLING ENERGY:	215	145	100	68	0	0	0	0	0	0	126	193	847
METERED DEMAND:	1.1	1.1	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.0	
BILLING DEMAND:	1.1	1.1	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.0	
ENERGY CHGS(\$):	2519	1691	1174	792	0	0	0	0	0	0	1471	2262	9909
DEMAND CHGS(\$):	13	13	10	9	0	0	0	0	0	0	11	12	68
TOTAL CHGS(\$):	2532	1705	1184	800	0	0	0	0	0	0	1482	2274	9976
0RATE-21-NATURAL- USE: TIME-OF-USE													
METERED ENERGY:	0	0	0	0	27	17	17	18	20	57	0	0	
BILLING ENERGY:	0	0	0	0	27	17	17	18	20	57	0	0	155
METERED DEMAND:	0.0	0.0	0.0	0.0	0.5	0.2	0.2	0.2	0.4	0.5	0.0	0.0	
BILLING DEMAND:	0.0	0.0	0.0	0.0	0.5	0.2	0.2	0.2	0.4	0.5	0.0	0.0	
ENERGY CHGS(\$):	0	0	0	0	310	196	195	210	236	663	0	0	1811
DEMAND CHGS(\$):	0	0	0	0	6	3	3	3	5	6	0	0	25
TOTAL CHGS(\$):	0	0	0	0	317	199	198	213	241	669	0	0	1836
0RATE-31-NATURAL- USE: TIME-OF-USE													
METERED ENERGY:	0	0	0	0	50	47	49	48	48	78	0	0	
BILLING ENERGY:	0	0	0	0	50	47	49	48	48	78	0	0	320
METERED DEMAND:	0.0	0.0	0.0	0.0	0.4	0.2	0.2	0.2	0.2	0.7	0.0	0.0	
BILLING DEMAND:	0.0	0.0	0.0	0.0	0.4	0.2	0.2	0.2	0.2	0.7	0.0	0.0	
ENERGY CHGS(\$):	0	0	0	0	583	555	577	563	559	913	0	0	3750
DEMAND CHGS(\$):	0	0	0	0	4	3	3	3	3	8	0	0	23
TOTAL CHGS(\$):	0	0	0	0	587	557	580	565	562	921	0	0	3772
0RATE-41-NATURAL- USE: TIME-OF-USE													
METERED ENERGY:	0	0	0	0	28	27	28	28	27	35	0	0	
BILLING ENERGY:	0	0	0	0	28	27	28	28	27	35	0	0	173
METERED DEMAND:	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.6	0.0	0.0	
BILLING DEMAND:	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.6	0.0	0.0	
ENERGY CHGS(\$):	0	0	0	0	328	317	327	327	317	407	0	0	2023
DEMAND CHGS(\$):	0	0	0	0	3	3	3	3	3	7	0	0	19
TOTAL CHGS(\$):	0	0	0	0	330	319	330	330	319	413	0	0	2042
0RATE-51-NATURAL- USE: TIME-OF-USE													
METERED ENERGY:	96	65	42	28	0	0	0	0	0	0	69	94	
BILLING ENERGY:	96	65	42	28	0	0	0	0	0	0	69	94	394
METERED DEMAND:	0.9	0.9	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.9	
BILLING DEMAND:	0.9	0.9	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.9	
ENERGY CHGS(\$):	1119	764	494	330	0	0	0	0	0	0	803	1102	4612
DEMAND CHGS(\$):	11	11	8	5	0	0	0	0	0	0	10	11	55
TOTAL CHGS(\$):	1130	775	502	335	0	0	0	0	0	0	813	1113	4668
=====													
TOTAL ENERGY:	480	349	249	149	104	91	94	94	95	169	324	451	2651
TOTAL CHARGES (\$):	5653	4121	2942	1767	1234	1075	1108	1108	1122	2003	3824	5307	31265