EA PREREQUISITE 2: MINIMUM ENERGY PERFORMANCE

Project # 1000020332

All fields and uploads are required unless otherwise noted.

THRESHOLD ATTEMPTED

Points Attempted: 0

ALL OPTIONS

TARGET FINDER

The following fields are required, but the values have no bearing on EA Prerequisite 2 compliance. Use the Target Energy Performance Results calculator on the ENERGY STAR website to generate the values. If using prescriptive compliance paths (Options 2 or 3), leave the Design energy consumption and cost values blank in the Target Finder website, and set the Design values equal to the Target values in this form.

	Design		Target	
Energy performance rating (1-100):	85		50	
CO_2-eq emissions:	1,323	metric tons/year	1,956	metric tons/year
CO_2-eq emissions reduction:	32	%	0	%

Upload EAp2-1. Provide the Target Finder Energy Performance Results for the project building (a screen capture or other documentation containing the same information).(Optional)

Upload *Files: 1*

☐ The building is not able to get a Target Finder score because the tool does not support the primary building type of the project building and/or the project is not located in the United States. (Optional)

PREREQUISITE COMPLIANCE

Total gross square footage: 252,384 sf

The content highlighted in yellow above is linked to Pif1, Pif3, Eap1, EAc1, EAc2, EAc6, MRc1.1 & MRc1.2.

Select a compliance path:

- (●) **Option 1. Whole Building Energy Simulation.** The project team will document improvement in the proposed building performance rating as compared to the baseline building performance rating per ASHRAE/IESNA Standard 90.1-2007 or California Title 24-2005 Part 6.
- ( ) **Option 2. Prescriptive Compliance Path: ASHRAE Advanced Energy Design Guide.** The project team will document compliance with the ASHRAE Advanced Energy Design Guide.
- ( ) **Option 3. Prescriptive Compliance Path: Advanced Buildings Core Performance Guide.** The project team will document compliance with the Advanced Buildings™ Core Performance™ Guide.

The content highlighted in yellow above is linked to EAc1, EAc2 & EAc6.

OPTION 1. WHOLE BUILDING ENERGY SIMULATION

Complete the following sections:

Section 1.1A - General Information
Section 1.1B - Mandatory Requirements
Section 1.2 - Space Summary
Section 1.3 - Advisory Messages
Section 1.4 - Comparison of Proposed Design Versus Baseline Design Energy Model Inputs
Section 1.5 - Energy Type Summary
Section 1.6 - Performance Rating Method Compliance Report
Section 1.7 - Exceptional Calculation Measure Summary
Section 1.8 - On-Site Renewable Energy
Section 1.9A - Total Building Performance Summary
Section 1.9B - Reports & Metrics

SECTION 1.1A - GENERAL INFORMATION

☒ **Compliant energy simulation software:** The energy simulation software used for this project has all capabilities described in EITHER section "G2 Simulation General Requirements" in Appendix G of ASHRAE 90.1-2007 OR the analogous section of the alternative qualifying energy code used.

☒ **Compliant energy modeling methodology:** Energy simulation runs for both the baseline and proposed building use the assumptions and modeling methodology described in EITHER ASHRAE 90.1-2007 Appendix G OR the analogous section of the alternative qualifying energy code used.

Simulation program:	eQuest
Principal heating source:	Electricity
Energy code used:	ASHRAE 90.1-2007

List the ASHRAE addenda used in the modeling assumptions, if any. (Optional)

None.

Zip/Postal Code:	20001

The content highlighted in yellow above is linked to SSc1 & SSc2.

Weather file:	Washington D.C.
Climate zone:	4A

List the climatic data from ASHRAE Standard 90.1-2007 Table D-1. Specify if another source is referenced for HDD & CDD data.

Heating Degree Days:	4,047
Cooling Degree Days:	4,391
HDD and CDD data source, if other than ASHRAE: (Optional)	
New construction gross square footage:	252,384
Existing, renovated gross square footage:	0
Existing, unrenovated gross square footage:	0
Total gross square footage:	252,384
New construction percent:	100 %
Existing renovation percent:	0 %
Existing unrenovated percent:	0 %

The content highlighted in yellow above is linked to PIf2 & MRc2.

Gross square footage used in the energy model, if different than gross square footage above: (Optional)	250,000

SECTION 1.1B - MANDATORY REQUIREMENTS

Optional Signatory EAp2-1. Architect

For all elements included in the Architect's scope of work for the project building, the project building design complies with all ASHRAE Standard 90.1-2007 mandatory provisions (Sections 5.4, 6.4, 7.4, 8.4, 9.4 and 10.4), and the information provided regarding the proposed case energy model in Section 1.4 is consistent with the building design.

Select one of the following:

○ **Architect Signature.** Provide a digital signature affirming the required signatory statement in gray directly above.

OR

○ **Upload EAp2-RS1.** Provide a document with the required signatory statement, copied directly from the form, signed and dated on letterhead.

Optional Signatory EAp2-2. Mechanical Engineer

For all elements included in the Mechanical Engineer's scope of work for the project building, the project building design complies with all ASHRAE Standard 90.1-2007 mandatory provisions (Sections 5.4, 6.4, 7.4, 8.4, 9.4 and 10.4), and the information provided regarding the proposed case energy model in Section 1.4 is consistent with the building design.

Select one of the following:

◉ **Mechanical Engineer Signature.** Provide a digital signature affirming the required signatory statement in gray directly above.

Initial here: D.N

Demba NDIAYE; MEP Engineer; November 30, 2012

OR

○ **Upload EAp2-RS2.** Provide a document with the required signatory statement, copied directly from the form, signed and dated on letterhead.

Optional Signatory EAp2-3. Electrical Engineer

For all elements included in the Electrical Engineer's scope of work for the project building, the project building design complies with all ASHRAE Standard 90.1-2007 mandatory provisions (Sections 5.4, 6.4, 7.4, 8.4, 9.4 and 10.4), and the information provided regarding the proposed case energy model in Section 1.4 is consistent with the building design.

Select one of the following:

◉ **Electrical Engineer Signature.** Provide a digital signature affirming the required signatory statement in gray directly above.

Initial here: D.N

Demba NDIAYE; MEP Engineer; November 30, 2012

OR

○ **Upload EAp2-RS3.** Provide a document with the required signatory statement, copied directly from the form, signed and dated on letterhead.

Upload the following Interactive Compliance Forms: (Optional)

☐ **Upload EAp2-2.** Building Envelope Compliance Documentation (Optional)

☐ **Upload EAp2-3.** HVAC Compliance Documentation (Optional)

☐ **Upload EAp2-4.** Lighting Compliance Documentation (Optional)

☐ **Upload EAp2-5.** Service Water Heating Compliance (Optional)

SECTION 1.2 - SPACE SUMMARY

Table EAp2-1. Space Usage Type

Space Name / Description	Space Usage Type	Space Size	Regularly Occupied GSF	Unconditioned GSF	Typical Hours in Operation (per week)
High School	K-12 Education	280,000	250,000	30,000	70
	Total	280,000	250,000	30,000	
	Percentage of total (%)		89.29	10.71	

+ -

SECTION 1.3 - ADVISORY MESSAGES

Complete Table EAp2-2 based on information from the energy simulation output files.

Table EAp2-2. Advisory Messages

	Baseline Design (0° Rotation)	Proposed Design
Number of hours heating loads not met[1]	153	201
Number of hours cooling loads not met[1]	104	72
Total	257	273
Difference [2] (Proposed minus baseline)		16
Number of warning messages	25	90
Number of error messages	0	0
Number of defaults overridden	135	145
Unmet load hours compliance	Y	

Notes:
1 Baseline design and proposed design unmet load hours each may not exceed 300
2 Unmet load hours for the proposed design may not exceed the baseline design by more than 50 hours.

SECTION 1.4 - COMPARISON OF PROPOSED DESIGN VERSUS BASELINE DESIGN ENERGY MODEL INPUTS

Download, complete, and upload "EAp2 Section 1.4 table.xls" (found under "Credit Resources") to document the baseline and proposed design energy model inputs for the project. Documentation should be sufficient to justify the energy and cost savings numbers reported in the Performance Rating Table.

Upload EAp2-7. Provide the completed EAp2 Section 1.4 Tables available under "Credit Resources."

Upload *Files: 1*

SECTION 1.5 - ENERGY TYPE SUMMARY

List the energy types used by the project (i.e. electricity, natural gas, purchased chilled water or steam, etc.) for the baseline and proposed designs. If revising the values in Table EAp2-3, reselect energy type in all affected rows in Table EAp2-4 and Table EAp2-5 to ensure that the revised values from Table EAp2-3 are propagated and that Table EAp2-4 and Table EAp2-5 calculations are refreshed.

Table EAp2-3. Energy Type Summary

Energy Type	Utility Company Name	Utility Rate and Description of Rate Structure[1]	Baseline Virtual Rate[2] ($ per unit energy)	Proposed Virtual Rate[2] ($ per unit energy)	Units of Energy	Units of Demand
Electricity	Pepco DC	Schedule GT-LV	0.1356	0.1292	kWh	kW
Natural Gas	Washington Gas	Average Yearly Rate	1.395	1.395	therms	MBH

+ -

Notes:

1 *Per ASHRAE 90.1-2007 G2.4, project teams are allowed to use the state average energy prices published by DOE's EIA for commercial building customers, available on EIA's website (www.eia.gov). If project uses backup energy for on-site renewable energy, please specify the rate of backup source energy.*

2 *List the virtual energy rate from the baseline and proposed design energy model results or from manual calculations. This rate is defined as the total annual charge divided by the metered energy from the plant for each resource.*

If the proposed and baseline rates vary significantly, describe the building input parameters (e.g. demand reduction measures) leading to the variation in energy rates, and provide detailed information regarding the utility rate structure including all demand and energy charges, and the seasonal and time-of-use structure of the utility tariff. (Required when proposed & baseline Rates vary by more than 10%.)

Upload EAp2-8. Provide any documentation to support the proposed/ baseline rate variance narrative. (Optional)

Upload *Files: 0*

SECTION 1.6 - PERFORMANCE RATING METHOD COMPLIANCE REPORT

In Table EAp2-4, list each energy end use for the project (including all end uses reflected in the baseline and proposed designs). Then check whether the end-use is a process load, select the energy type, and list the energy consumption and peak demand for each end-use for all four baseline design orientations.

Table EAp2-4. Baseline Performance - Performance Rating Method Compliance

End Use	Process	Baseline Design Energy Type	Units of Annual Energy & Peak Demand		Baseline (0° rotation)	Baseline (90° rotation)	Baseline (180° rotation)	Baseline (270° rotation)	Baseline Building Results
Interior Lighting		Electricity	Energy Use	kWh	767,668	767,668	767,668	767,668	767,668
			Demand	kW	247.09	247.09	247.09	247.09	247.09
Exterior Lighting		Electricity	Energy Use	kWh	139,503	139,503	139,503	139,503	139,503
			Demand	kW	29.4	29.4	29.4	29.4	29.4
Space Heating		Electricity	Energy Use	kWh	1,265,029	1,304,604	1,328,379	1,294,065	1,298,019.25
			Demand	kW	1,653.27	1,642.76	1,656.93	1,642.78	1,648.94
Space Cooling		Electricity	Energy Use	kWh	313,019	317,486	314,441	320,789	316,433.75
			Demand	kW	492.42	492.37	486.85	496.06	491.92
Pumps		Electricity	Energy Use	kWh	182,595	188,195	185,355	186,542	185,671.75
			Demand	kW	82.46	82.7	81.83	83	82.5
Heat Rejection		Electricity	Energy Use	kWh	8,883	9,344	8,947	9,261	9,108.75
			Demand	kW	24.93	25.05	24.5	25.04	24.88
Fans-Interior		Electricity	Energy Use	kWh	531,238	530,243	529,946	528,328	529,938.75
			Demand	kW	161.32	157.95	156.67	158.33	158.57
Fans - Parking Garage	X	Electricity	Energy Use	kWh	13,500	13,500	13,500	13,500	13,500
			Demand	kW	6	6	6	6	6
Service Water Heating		Electricity	Energy Use	kWh	9,284	9,278	9,277	9,277	9,279
			Demand	kW	11.65	11.65	11.65	11.65	11.65
Receptacle Equipment	X	Electricity	Energy Use	kWh	259,582	259,582	259,582	259,582	259,582
			Demand	kW	89.27	89.27	89.27	89.27	89.27
Interior Lighting - Process	X		Energy Use						
			Demand						
Refrigeration Equipment	X		Energy Use						
			Demand						
Cooking	X		Energy Use						
			Demand						
Industrial Process	X		Energy Use						
			Demand						
Elevators and Escalators	X	Electricity	Energy Use	kWh	79,076	79,076	79,076	79,076	79,076
			Demand	kW	41.78	41.78	41.78	41.78	41.78
Pool Pump	X	Electricity	Energy Use	kWh	16,556	16,556	16,556	16,556	16,556
			Demand	kW	3.78	3.78	3.78	3.78	3.78
Space Heating		Natural Gas	Energy Use	therms	508	508	508	508	508
			Demand	MBH	0.4	0.4	0.4	0.4	0.4

Save Form

End Use	Process	Baseline Design Energy Type	Units of Annual Energy & Peak Demand		Baseline (0° rotation)	Baseline (90° rotation)	Baseline (180° rotation)	Baseline (270° rotation)	Baseline Building Results
HT Pump Supplem		Electricity	Energy Use	kWh	34,660	35,570	34,541	32,216	34,246.75
			Demand	kW	456.24	458.68	455.67	445.9	454.12
DHW-Gas		Natural Gas	Energy Use	therms	31,264	31,264	31,264	31,264	31,264
			Demand	MBH	0.7	0.7	0.7	0.7	0.7
Total Energy Use (MMBtu/yr)					15,530.66	15,701.3	15,756.46	15,652.71	15,660.28
Annual Process Energy (MMBtu/yr)					1,258.05				
Process Energy Modeling Compliance[1]					N				

Notes:

1 Determined using Section 1.9 cost calculations after Section 1.9A is complete. Annual process energy costs must be at least 25% of the total energy costs for the proposed design and must be the same in the baseline and proposed cases. To claim process cost savings, use an exceptional calculation in Section 1.7.

The project does not comply with minimum compliance requirements for process energy modeling (determined after Section 1.9A is complete). Explain any exceptions, special circumstances or modeling difficulties that occurred relating to the process energy noncompliance.

Although process energy does not reach the 25% threshold, kitchen equipment was modeled as designed and for the remaining, eQuest defaults were used for the miscellaneous equipment (see EAp2 Section 1.4 Tables.xls).

Upload EAp2-9. Provide any documentation to support the process energy noncompliance narrative. (Optional)

Upload *Files: 0*

Fill out the Proposed Design energy consumption and peak demand for each end use in Table. Performance Rating - Performance Rating Method Compliance.

Table EAp2-5. Performance Rating - Performance Rating Method Compliance

End Use	Process	Baseline Building Units		Baseline Building Results	Proposed Design Energy Type	Units of Annual Energy & Peak Demand		Proposed Building Results	Percent Savings
Interior Lighting		Energy Use	kWh	767668	Electricity	Energy Use	kWh	618,997	19.37
		Demand	kW	247.09		Demand	kW	224.83	
Exterior Lighting		Energy Use	kWh	139503	Electricity	Energy Use	kWh	69,467	50.2
		Demand	kW	29.4		Demand	kW	14.64	
Space Heating		Energy Use	kWh	1298019.25	Electricity	Energy Use	kWh	291,829	77.52
		Demand	kW	1648.94		Demand	kW	289.74	
Space Cooling		Energy Use	kWh	316433.75	Electricity	Energy Use	kWh	302,697	4.34
		Demand	kW	491.92		Demand	kW	258.27	

Pumps		Energy Use	kWh	185671.75	Electricity	Energy Use	kWh	164,423	11.44
		Demand	kW	82.5		Demand	kW	55.18	
Heat Rejection		Energy Use	kWh	9108.75		Energy Use			
		Demand	kW	24.88		Demand			
Fans-Interior		Energy Use	kWh	529938.75	Electricity	Energy Use	kWh	644,083	-21.54
		Demand	kW	158.57		Demand	kW	199.94	
Fans - Parking Garage	X	Energy Use	kWh	13500	Electricity	Energy Use	kWh	13,500	0
		Demand	kW	6		Demand	kW	6	
Service Water Heating		Energy Use	kWh	9279	Electricity	Energy Use	kWh	7,702	17
		Demand	kW	11.65		Demand	kW	9.64	
Receptacle Equipment	X	Energy Use	kWh	259582	Electricity	Energy Use	kWh	259,582	0
		Demand	kW	89.27		Demand	kW	89.27	
Interior Lighting - Process	X	Energy Use				Energy Use			
		Demand				Demand			
Refrigeration Equipment	X	Energy Use				Energy Use			
		Demand				Demand			
Cooking	X	Energy Use				Energy Use			
		Demand				Demand			
Industrial Process	X	Energy Use				Energy Use			
		Demand				Demand			
Elevators and Escalators	X	Energy Use	kWh	79076	Electricity	Energy Use	kWh	79,076	0
		Demand	kW	41.78		Demand	kW	41.78	
Pool Pump	X	Energy Use	kWh	16556	Electricity	Energy Use	kWh	16556	0
		Demand	kW	3.78		Demand	kW	3.78	
Space Heating		Energy Use	therms	508	Natural Gas	Energy Use	therms	508	0
		Demand	MBH	0.4		Demand	MBH	0.4	
HT Pump Supplem		Energy Use	kWh	34246.75	Electricity	Energy Use	kWh	1321	96.14
		Demand	kW	454.12		Demand	kW	105.07	
DHW-Gas		Energy Use	therms	31264	Natural Gas	Energy Use	therms	25203	19.39
		Demand	MBH	0.7		Demand	MBH	0.6	
Total Energy Use (MMBtu/yr)				15,660.28				10996.12	
Process Energy (MMBtu/yr)				1,258.05				1258.05	

Table EAp2-6. Section 1.6 Energy Use Summary

		Baseline		
Energy Type	Units	Process Subtotal	Total Energy Use	Proposed Energy Use
Electricity	kWh	368,714	3,658,583	2,469,233

Natural Gas	therms	0	31,772	25,711
		0	0	0
Totals	MMBtu	1,258.05	15,660.29	10,996.12

Table EAp2-7. Section 1.6 Energy Cost Summary (Automatic)

		Baseline		
Energy Type	Units	Process Subtotal	Total Energy Cost	Proposed Energy Cost
Electricity	$	49,997.62	496,103.85	319,024.9
Natural Gas	$	0	44,321.94	35,866.85
	$	0	0	0
Total	$	49,997.62	540,425.79	354,891.75

Select one of the following:

- ○ **Section 1.6 Automatic Cost Calculation:** Total building energy costs will be based on the "virtual" energy rate defined in Section 1.5.
- ◉ **Section 1.6 Manual Cost Input:** The project team will analyze the total building energy costs based on local utility rate structures. Costs will be input separately from the energy model.

Note: Energy cost savings are summarized in Section 1.9A Total Building Performance Summary.

Table EAp2-8. Section 1.6 Energy Cost Summary (Manual Cost Input) - Baseline Case

	Baseline				
Energy Type	Cost ($) (0° rotation)	Cost ($) (90° rotation)	Cost ($) (180°rotation)	Cost ($) (270° rotation)	Building Performance
Electricity	491,027	496,528	497,899	494,443	494,974.25
Natural gas	44,322	44,322	44,322	44,322	44,322
	0	0	0	0	0
Totals	535,349	540,850	542,221	538,765	539,296.25

Table EAp2-9. Section 1.6 Energy Cost Summary (Manual Cost Input)

		Baseline Case		Proposed Case
Energy Type	Units	Process	Section 1.6 Energy Cost	Section 1.6 Energy Cost
Electricity	$	49,998	494,974.25	319,112
Natural Gas	$	0	44,322	35,866
	$		0	0
Totals	$	49,998	539,296.25	354,978

SECTION 1.7 - EXCEPTIONAL CALCULATION MEASURE SUMMARY

Select one of the following:

- ○ The energy analysis includes exceptional calculation method(s) (ASHRAE 90.1-2007, G2.5).
- ◉ The energy analysis does not include exceptional calculation methods.

SECTION 1.8 - ON-SITE RENEWABLE ENERGY

Select one of the following

- ◉ The project uses on-site renewable energy produced on-site.
- ○ The project does not use on-site renewable energy.

Table L-1. Renewable Energy Source Summary

Renewable Source	Renewable Energy Source Allocation	Renewable System Owner	Backup Energy Type[1]	Rated Capacity	Annual Energy Generated	Units	Annual Energy Cost ($) (Optional[1])	+	-
Photovoltaics	On-Site only	Other Party	Electricity	482.3	530,500	kWh	68,541		
Energy savings - Electricity					530,500	kWh	68,541		
Energy savings - Natural gas					0		0		
Energy savings -					0		0		
Total energy savings					1,810.07	MMBtu	68,541		

1 Annual energy cost is required to document credit compliance with EA Credit 2, if attempted.

The content highlighted in yellow above is linked to EAc2.

Table EAp2-13 Section 1.8 Energy Cost Savings Summary (Automatic)

Energy Type	Units	Proposed Renewable Energy Savings
Electricity	$	68,540.6
Natural Gas	$	0
	$	0
Total	$	68,540.6

Select one of the following: *(Note that the same method has to be used for all the measures in this section)*

- (•) **Automatic Cost Calculation:** Renewable energy cost savings will be based on the "virtual" energy rate defined in Section 1.5.
- ( ) **Manual Cost Input:** The project team will analyze the renewable energy cost for on-site renewable sources based on local utility rate structures. Costs will be input separately from the energy model.
- ( ) **Energy Model Includes Renewables:** On-site renewable energy is modeled directly in the energy model. Renewable Energy Cost is already credited in the proposed design energy model results (i.e. the energy model already reflects zero cost for on-site renewable energy, and this form will NOT subtract the Renewable Energy Cost a second time.

Note: The same method must be used for all the measures in this section. Energy cost savings are summarized in Section 1.9A Total Building Performance Summary. Calculated cost savings will be automatically subtracted from the proposed design energy model results when determining the Proposed Building Performance Rating UNLESS "Energy Model Includes Renewables" is selected.

SECTION 1.9A - TOTAL BUILDING PERFORMANCE SUMMARY

Table EAp2-15. Total Building Energy Use Performance

		Baseline		Proposed			
Energy Type	Units	Process Subtotal	Section 1.6 Total Energy Use	Section 1.6 Energy Use	Section 1.7 Energy Savings	Section 1.8 Renewable Energy Savings	Total Energy Use
Electricity	kWh	368,714	3,658,583	2,469,233	0	530,500	1,938,733
Natural Gas	therms	0	31,772	25,711	0	0	25,711
		0	0	0	0	0	0
Totals	MMBtu	1,258.05	15,660.29	10,996.12	0	1,810.07	9,186.05
						Energy use savings (%)	41.34

The values below are automatically calculated using the virtual energy rate from Section 1.5 unless the project team has opted to manually input costs in Section 1.6, 1.7, and/or 1.8. To modify these values and/or to see automatically calculated results for reference see Sections 1.6, 1.7 or 1.8.

Table EAp2-16. Total Building Energy Cost Performance

		Baseline		Proposed			
Energy Type	Units	Process Subtotal	Section 1.6 Total Energy Cost	Section 1.6 Energy Cost	Section 1.7 Energy Savings	Section 1.8 Renewable Energy Savings	Total Energy Cost
Electricity	$	49,998	494,974.25	319,112	0	68,540.6	250,571.4
Natural Gas	$		44,322	35,866	0	0	35,866
	$		0	0	0	0	0
Totals	$	49,998	539,296.25	354,978	0	68,540.6	286,437.4
Baseline process energy costs as percent of total energy costs (%)		9.27				Energy cost savings (%)	46.89

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	EA Credit 1 points documented	18

The content highlighted in yellow above is linked to EAc1.

Section 1.9B - REPORTS AND METRICS

Table EAp2-17. Energy Use Intensity

	Baseline EUI	Proposed EUI
Electricity (kWh/sf)		
Interior Lighting	3.042	2.453
Space Heating	5.143	1.156
Space Cooling	1.254	1.199
Fans - Interior	2.1	2.552
Service Water Heating	0.037	0.031
Receptacle Equipment	1.029	1.029
Miscellaneous	1.891	1.364
Subtotal	14.496	9.784
Natural Gas (kBtu/sf)		
Space Heating	0	0
Service Water Heating	0	0
Miscellaneous	12.589	10.187
Subtotal	12.589	10.187
Other (kBtu/sf)		
Miscellaneous	0	-0.001
Subtotal	0	-0.001
Total Energy Use Intensity (kBtu/sf)		
Total	62.049	43.569

Table EAp2-18. End Use Energy Percentage

	Baseline Case (%)	Proposed Case (%)	End Use Energy Savings (%)
Interior Lighting	16.72	19.2	10.87
Space Heating	28.28	9.05	73.61
Space Cooling	6.89	9.39	1.02
Fans - Interior	11.55	19.99	-8.35
Service Water Heating	0.2	0.24	0.11
Receptacle Equipment	5.66	8.05	0
Miscellaneous	30.7	34.07	22.73

- (●) The project used DOE2, eQuest or Visual DOE.
- ( ) The project used EnergyPlus.
- ( ) The project team used EnergyPro.
- ( ) The project team used HAP.
- ( ) The project team used Trace.
- ( ) The project team used other modeling software.

Upload EAp2-11. Provide the input summary and the BEPS, BEPU, and ES-D reports.

Upload *Files: 7*

ADDITIONAL DETAILS

☐ Special circumstances preclude documentation of prerequisite compliance with the submittal requirements outlined in this form.

☐ The project team is using an alternative compliance approach in lieu of standard submittal paths.

SUMMARY

EA Prerequisite 2: Minimum Energy Performance Compliance Documented: N Check Compliance