EA PREREQUISITE 2: MINIMUM ENERGY PERFORMANCE

Project # 1000038123 Jacobs Hall

All fields and uploads are required unless otherwise noted.

THRESHOLD ATTEMPTED

Points Attempted: 0

ALL PROJECTS

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):	0		0	
CO_2-eq emissions:	0	metric tons/year	0	metric tons/year
CO_2-eq emissions reduction:	0	%	0	%

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

Upload *Files: 0*

☒ 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: 24,035 sf

The content highlighted in yellow above is linked to PIf2, PIf3, SSc2, EAp1, EAc1, EAc2, EAc6, MRc1.1 & MRc1.2.

Principal project building activity: Core Learning Space: College/University

The content highlighted in yellow above is linked to PIf3 & EAc1.

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Select a compliance path:

- (●) **Option 1. Whole Building Energy Simulation.** The project team will document improvement in the proposed building performance rating for ANSI/ASHRAE/IESNA Standard 90.1-2007 or California Title 24-2005 Part 6. Non-US projects may use a USGBC approved equivalent standard.
  Note: Refer to "Credit Resources" for a list of USGBC approved equivalent standards.
- ( ) **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 (if applicable)
Section 1.8- On-Site Renewable Energy (if applicable)
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:	EnergyPro
Principal heating source:	Fossil Fuel
Energy code used:	ASHRAE 90.1-2007

Save Form

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

Zip/Postal Code:	94709

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

Weather file:	Berkeley, California
Climate zone:	California Zone 3C

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:	2,749
Cooling Degree Days:	1,237
HDD and CDD data source, if other than ASHRAE: (Optional)	

New construction gross square footage:	24,035	
Existing, renovated gross square footage:	0	
Existing, unrenovated gross square footage:	0	
Total gross square footage:	24,035	
New construction percent:	100	%
Existing renovation percent:	0	%
Existing unrenovated percent:	0	%

The content highlighted in yellow above is linked to PIf2, PIf3, SSc2, EAp1, EAc1, EAc2, EAc6, MRc1.1 & MRc1.2.

Gross square footage used in the energy model, if different than gross square footage above: (Optional)	0

SECTION 1.1B - MANDATORY REQUIREMENTS

Save Form

☒ 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) or USGBC approved equivalent standard mandatory provisions, and the information provided regarding the proposed case energy model in Section 1.4 is consistent with the building design.

☒ 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) or USGBC approved equivalent standard mandatory provisions, and the information provided regarding the proposed case energy model in Section 1.4 is consistent with the building design.

☒ 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) or USGBC approved equivalent standard mandatory provisions, and the information provided regarding the proposed case energy model in Section 1.4 is consistent with the building design.

Provide the following Interactive Compliance Forms:

Upload EAp2-2. Building Envelope Compliance Documentation (Optional) Upload *Files:* 0

Upload EAp2-3. HVAC Compliance Documentation (Optional) Upload *Files:* 0

Upload EAp2-4. Lighting Compliance Documentation (Optional) Upload *Files:* 0

Upload EAp2-5. Service Water Heating Compliance (Optional) Upload *Files:* 0

SECTION 1.2 - SPACE SUMMARY

Table EAp2-1. Space Usage Type

Space Name / Description	Space Usage Type	Space Area (sf)	Regularly Occupied Area (sf)	Unconditioned Area (sf)	Typical Hours/Week in Operation		
VAV-3-1 & VAV-3-2	Classrooms & Meeting Rooms	3,903	3,903	0	85	+	-
Radiant Heaters	Lounge 309	171	171	0	85	+	-
VAV-2-1 & VAV-2-2	Classrooms, Offices & Hall	3,947	3,947	0	85	+	-
Radiant Heaters	Lounge 209	171	171	0	85	+	-
VAV-1-1 & VAV-1-2	Classrooms & Offices	3,478	3,478	0	85	+	-
VAV-B-1	Classroom	2,058	2,058	0	85	+	-
All Unconditioned Are	Stairs, Toilets, Mech Room & E	7,290	0	7,290	85	+	-
FC-1	Telecom Room	95	95	0	85	+	-
Totals		21,113	13,823	7,290			
Percentage of total (%)			65.47	34.53			

Save Form

SECTION 1.3 - ADVISORY MESSAGES

Table EAp2-2. Advisory Messages

Complete the table below based on information from the energy simulation output files.

	Baseline Design (0° Rotation)	Proposed Design
Number of hours heating loads not met[1]	0	0
Number of hours cooling loads not met[1]	0	0
Total	0	0
Difference[2] (Proposed minus baseline)		0
Number of warning messages		
Number of error messages		
Number of defaults overridden		
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 tables.

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.), and provide the the virtual energy rate from the baseline and proposed design energy model results or from manual calculations. *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 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	PG&E	E-20T	0.18	0.2	kWh	kW
Natural Gas	PG&E	G1 R	0.98	0.98	therms	MBH

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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 *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 and 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

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

In the table below, 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.

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	78,015	78,015	78,015	78,015	78,015
			Demand	kW	21.5	21.5	21.5	21.5	21.5
Exterior Lighting		Electricity	Energy Use	kWh	10,508	10,508	10,508	10,508	10,508
			Demand	kW	2.7	2.7	2.7	2.7	2.7
Space Heating		Natural Gas	Energy Use	therms	51	82	61	38	58
			Demand	MBH	56.8	59.8	78.8	75.7	67.77
Space Cooling		Electricity	Energy Use	kWh	17,089	17,195	16,124	17,037	16,861.25
			Demand	kW	43.8	44.4	41.4	43.3	43.22
Pumps			Energy Use						
			Demand						
Heat Rejection			Energy Use						
			Demand						

Save Form

Fans-Interior		Electricity	Energy Use	kWh	89,904	91,403	83,452	88,875	88,408.5
			Demand	kW	19.2	19.4	17.9	18.9	18.85
Fans - Parking Garage	X		Energy Use						
			Demand						
Service Water Heating		Electricity	Energy Use	kWh	35,295	35,295	35,295	35,295	35,295
			Demand	kW	13.8	13.8	13.8	13.8	13.8
Receptacle Equipment	X	Electricity	Energy Use	kWh	77,880	77,880	77,880	77,880	77,880
			Demand	kW	18.5	18.5	18.5	18.5	18.5
Interior Lighting - Process	X		Energy Use						
			Demand						
Refrigeration Equipment			Energy Use						
			Demand						
Cooking	X		Energy Use						
			Demand						
Industrial Process	X		Energy Use						
			Demand						
Elevators and Escalators	X	Electricity	Energy Use	kWh	9,060	9,060	9,060	9,060	9,060
			Demand	kW	2.2	2.2	2.2	2.2	2.2
			Energy Use						
			Demand						
Total Energy Use (MMBtu/yr)					1,089.27	1,097.84	1,064.96	1,084.28	1,084.09
Annual Process Energy (MMBtu/yr)						296.64			
Process Energy Modeling Compliance[1]						Y			

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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. Process energy costs should be modeled to accurately reflect the proposed building. To claim process cost savings, use an exceptional calculation in Section 1.7.*

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

Complete the table below. List the proposed design energy consumption and peak demand for each end use.

		Baseline			Proposed			
End Use	Process	Units of Annual Energy & Peak Demand		Building Results	Design Energy Type	Units of Annual Energy & Peak Demand		Building Results	% Savings
Interior Lighting		Energy Use	kWh	78015	Electricity	Energy Use	kWh	52,010	33.33
		Demand	kW	21.5		Demand	kW	14.4	
Exterior Lighting		Energy Use	kWh	10508	Electricity	Energy Use	kWh	4,305	59.03
		Demand	kW	2.7		Demand	kW	1.1	

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Space Heating		Energy Use	therms	58	Natural Gas	Energy Use	therms	13	77.59
		Demand	MBH	67.77		Demand	MBH	79.2	
Space Cooling		Energy Use	kWh	16861.25	Electricity	Energy Use	kWh	8,140	51.72
		Demand	kW	43.22		Demand	kW	14.7	
Pumps		Energy Use				Energy Use			
		Demand				Demand			
Heat Rejection		Energy Use				Energy Use			
		Demand				Demand			
Fans-Interior		Energy Use	kWh	88408.5	Electricity	Energy Use	kWh	22,363	74.7
		Demand	kW	18.85		Demand	kW	6.3	
Fans - Parking Garage	X	Energy Use				Energy Use			
		Demand				Demand			
Service Water Heating		Energy Use	kWh	35295	Electricity	Energy Use	kWh	34,603	1.96
		Demand	kW	13.8		Demand	kW	13.5	
Receptacle Equipment	X	Energy Use	kWh	77880	Electricity	Energy Use	kWh	77,880	0
		Demand	kW	18.5		Demand	kW	18.5	
Interior Lighting - Process	X	Energy Use				Energy Use			
		Demand				Demand			
Refrigeration Equipment		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	9060	Electricity	Energy Use	kWh	9,060	0
		Demand	kW	2.2		Demand	kW	2.2	
		Energy Use				Energy Use			
		Demand				Demand			
Total Energy Use (MMBtu/yr)				1,084.09				712.23	
Process Energy (MMBtu/yr				296.64				296.64	

Table EAp2-6. Section 1.6 Energy Use Summary

		Baseline		
Energy Type	Units	Process Subtotal	Total Energy Use	Proposed Energy Use
Electricity	kWh	86,940	316,027.75	208,361
Natural Gas	therms	0	58	13

Save Form

		Baseline		
Energy Type	Units	Process Subtotal	Total Energy Use	Proposed Energy Use
		0	0	0
Totals	MMBtu	296.64	1,084.09	712.23

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

		Baseline		
Energy Type	Units	Process Subtotal	Total Energy Cost	Proposed Energy Cost
Electricity	$	15,649.2	56,885	41,672.2
Natural Gas	$	0	56.84	12.74
	$	0	0	0
Total	$	15,649.2	56,941.84	41,684.94

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.

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[2])

Save Form

Renewable Source	Renewable Energy Source Allocation	Renewable System Owner	Backup Energy Type[1]	Rated Capacity	Annual Energy Generated	Units	Annual Energy Cost ($) (Optional[2])
PV System	On-Site only	Building Owner	Electricity	74	120,873	kWh	12,894
Energy savings - Electricity					120,873	kWh	12,894
Energy savings - Natural gas					0		0
Energy savings -					0		0
Total energy savings					412.42	MMBtu	12,894

+ -

Notes:
1 Per ASHRAE 90.1 G2.4 Exception, baseline performance shall be based on the energy source used as backup energy or on the use of electricity if no backup energy source is specified.
2 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	$	24,174.6
Natural Gas	$	0
	$	0
Total	$	24,174.6

Select one of the following:

- (●) **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

Save Form

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	86,940	316,027.75	208,361	0	120,873	87,488
Natural Gas	therms	0	58	13	0	0	13
		0	0	0	0	0	0
Totals	MMBtu	296.64	1,084.09	712.23	0	412.42	299.81
Energy use savings (%)							72.34

Table EAp2-16. Total Building Energy Cost Performance

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.

		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	$	15,649.2	56,885	41,672.2	0	24,174.6	17,497.6
Natural Gas	$	0	56.84	12.74	0	0	12.74
	$	0	0	0	0	0	0
Totals	$	15,649.2	56,941.83	41,684.94	0	24,174.6	17,510.34
Baseline process energy costs as percent of total energy costs (%)							27.48
Energy cost savings (%)							69.25
EA Credit 1 points documented							19

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	3.246	2.164
Space Heating	0	0
Space Cooling	0.702	0.339
Fans - Interior	3.678	0.93
Service Water Heating	1.468	1.44
Receptacle Equipment	3.24	3.24

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Miscellaneous	0.815	0.556
Subtotal	13.149	8.669
Natural Gas (kBtu/sf)		
Space Heating	0.241	0.054
Service Water Heating	0	0
Miscellaneous	0	0
Subtotal	0.241	0.054
Other (kBtu/sf)		
Miscellaneous	0	0
Subtotal	0	0
Total Energy Use Intensity (kBtu/sf)		
Total	45.105	29.633

Table EAp2-18. End Use Energy Percentage

	Baseline Case (%)	Proposed Case (%)	End Use Energy Savings (%)
Interior Lighting	24.55	24.92	23.86
Space Heating	0.53	0.18	1.21
Space Cooling	5.31	3.9	8.01
Fans - Interior	27.82	10.71	60.6
Service Water Heating	11.1	16.58	0.62
Receptacle Equipment	24.51	37.31	0
Miscellaneous	6.17	6.4	5.71

Select one of the following:

- (●) 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: 13*

Save Form

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:	Y	Check Compliance

Save Form

All fields and uploads are required unless otherwise noted.

THRESHOLD ATTEMPTED

Points Attempted: 8 13% Renewable Energy

ALL OPTIONS

Note: Compliance path selection is linked to EA Prerequisite 2 and must be consistent across credits.

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 EAp2, EAc1 & EAc6.

Describe the on-site renewable energy production system(s).

The on-site renewable energy system at Jacobs Hall is a Bifacial PV Array (285 Modules) mounted on the building's roof. The system is made up of a combination of TrinaSolar (http://www.trinasolar.com/us/product/PC05.html) and Sunpreme (http://www.sunpreme.com/gxb-series/) modules.

OPTION 1. WHOLE BUILDING ENERGY SIMULATION

Note: Annual energy cost information below (highlighted in yellow) is linked to EA Prerequisite 2 and read-only. To edit this information, see EA Prerequisite 2.

Table L-1. Renewable Energy Source Summary

Renewable Energy Source	Renewable Energy Source Allocation	Renewable Systems Owner	Energy Type	Rated Capacity	Annual Energy Generated	Units	Annual Energy Cost ($)
PV System	On-Site only	Building Owner	Electricity	74	120,873	kWh	12,894
					Total annual renewable energy generated (kWh)		120,873
					Total annual renewable energy cost ($)		12,894

The content highlighted in yellow above is linked to EAp2.

Signatory EAc2-1.

The environmental attributes associated with the project building's on-site renewable energy have not been sold, and will be retained or retired for as long as the building remains LEED certified. If renewable energy certificates (RECs) are sold, then RECs equal to 100% of the system's annual rated energy output each year will be purchased from another Green-e eligible source.

Select one of the following:

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

OR

◉ **Upload EAc2-S1.** Provide a document with the signatory statement, copied directly from the form, signed and dated on letterhead.

Upload *Files: 1*

Total building energy cost: $ 41,684.94

The content highlighted in yellow above is linked to EAp2.

Percent renewable energy: (by cost) 30.93 %

Under EAc2, this must be 1% or greater to achieve 1 point, 3% or greater to achieve 2 points, 5% or greater to achieve 3 points, 7% or greater to achieve 4 points, 9% or greater to achieve 5 points, 11% or greater to achieve 6 points, 13% or greater to achieve 7 points, and 15% or greater to achieve exemplary performance.

Signatory EAc2-3.

The renewable energy system(s) declared in the Renewable Energy Source Summary table will be installed by substantial completion of construction.

Select one of the following:

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

OR

◉ **Upload EAc2-S3.** Provide a document with the signatory statement, copied directly from the form, signed and dated on letterhead.

Upload *Files: 1*

ADDITIONAL DETAILS

☐ Special circumstances preclude documentation of credit 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 Credit 2: On-Site Renewable Energy Points Documented:	7	Check Compliance
EA Credit 2: On-Site Renewable Energy Exemplary Performance Documented:	Y	

☐ The project team reserves one point in the Innovation in Design credit category for exemplary performance in EA Credit 2.