



LEED 2009 for Schools New Construction and Major Renovation

EA CREDIT 2: ON-SITE RENEWABLE ENERGY

All fields and uploads are required unless otherwise noted.

ALL OPTIONS

This static sample form has been modified for offline access. All sections of the form are visible. Sample forms are for reference only.

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 for K-12 School Buildings.
- ☐ **Option 3. Prescriptive Compliance Path. Advanced Buildings Core Performance Guide.** The project team will document compliance with the Advanced Buildings™ Core Performance™ Guide.

OPTION 1. WHOLE BUILDING ENERGY SIMULATION

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 (\$)
Total annual renewable energy generated (kWh)							
Total annual renewable energy cost (\$)							

The renewable energy system(s) declared in Table L-1. Renewable Energy Source Summary will be installed by substantial completion of construction.

SIGNATORY

Initial here:

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

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.

SIGNATORY

Initial here:

Upload EAc2-1. Provide the renewable energy purchase agreement between the building/property owner and the renewable system owner, indicating a ten year minimum commitment.

For any renewable source allocations spanning the LEED project and space outside LEED boundary, describe calculations and assumptions made to parse the renewable source across the different end uses.

Total building energy cost (\$):

Total renewable energy cost (\$):

Percent renewable energy (by cost):

%

Percent renewable energy must be at least 1% to achieve 1 point, 3% to achieve 2 points, 5% to achieve 3 points, 7% to achieve 4 points, 9% to achieve 5 points, 11% to achieve 6 points, 13% to achieve 7 points, and 15% to achieve an exemplary performance point.

OPTIONS 2 & 3: PRESCRIPTIVE COMPLIANCE PATHS

Table EAc2-1. 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 (\$)

Total annual renewable energy generated (kWh)	
Total annual renewable energy cost (\$)	

The renewable energy system(s) declared in Table EAc2-1. Renewable Energy Source Summary will be installed by substantial completion of construction.

SIGNATORY

Initial here:

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

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.

SIGNATORY

Initial here:

Upload EAc2-2. Provide the renewable energy purchase agreement between the building/property owner and the renewable system owner, indicating a ten year minimum commitment.

For any renewable source allocations spanning the LEED project and space outside LEED boundary, describe calculations and assumptions made to parse the renewable source across the different end uses.

Table EAc2-2. MEI and Renewable Energy Cost

For mixed use buildings, choose the predominant building type that suits the project OR use a non-default MEI and explain the sources for the non-default MEI value.

Building Type	Default MEI	Electricity (kWh/sf/yr)	Non-Electrical Fuel (Btu/sf/yr)
	<input type="checkbox"/>		
Total gross square footage (sf)			
Annual energy use (kWh/yr, Btu/yr)			
Average energy rate (\$/kWh, \$/Btu)			
Annual energy cost (\$/yr)			
Total annual energy cost (\$/yr)			
Percent renewable energy (by cost)			

Percent renewable energy must be at least 1% to achieve 1 point, 3% to achieve 2 points, 5% to achieve 3 points, 7% to achieve 4 points, 9% to achieve 5 points, 11% to achieve 6 points, 13% to achieve 7 points, and 15% to achieve an exemplary performance point.

List the CBECS source and/or calculation methodology used to calculate the non-default Median Energy Intensity value.

ADDITIONAL DETAILS

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

SPECIAL CIRCUMSTANCES

Describe the circumstances limiting the project team's ability to provide the submittals required in this form. Be sure to reference what additional documentation has been provided, if any. Non-standard documentation will be considered upon its merits.

Upload EAc2-SC. Provide any additional documentation that supports the claim to special circumstances. (Optional)

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

ALTERNATIVE COMPLIANCE PATH

Describe the alternative compliance path used by the project team. Include justification that this path meets the credit intent and requirements. Be sure to reference what additional documentation has been provided, if any. Non-standard documentation will be considered upon its merits.

Upload EAc2-ACP. Provide any additional documents that support the alternative compliance path approach. (Optional)

- ☐ The project team is using the above alternative compliance path to document exemplary performance of EA Credit 2.

SUMMARY

EA Credit 2: On-Site Renewable Energy Points Documented:

EA Credit 2: On-Site Renewable Energy Exemplary Performance Documented:

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