



PEER

PEER & LEED SYNERGIES

AUGUST 2020

RELEVANT RATING SYSTEMS

- LEED v4.1 BD+C
- LEED v4.1 O+M
- PEER v2

LEED and PEER work hand in hand. For power distribution infrastructure within a LEED project boundary, some achieved LEED credits can also earn PEER credits. This document provides guidance for projects seeking to leverage the synergies between PEER and LEED. For purposes of this document, PEER refers to PEER Version 2.0, and LEED refers to LEED Version 4.1 (BD+C, O+M).

APPLICABILITY

LEED Earns PEER (Applicable for projects that are LEED certified)

- The PEER project boundary must be the same as or within the LEED project boundary.
- PEER and LEED project applications may be submitted for review simultaneously, but the LEED credits must first be awarded by GBCI in order to garner PEER points.
- If a PEER project includes a LEED certified project (LEED Certification must be valid before registering the PEER Project), the LEED project name and project ID must be included with the PEER documentation.
- All Requirements listed in the tables must be met
- In addition to the above requirements, the LEED project must meet the PEER minimum program requirements.
- Email peer@gbci.org for more information.

1. LEED v4.1 BD+C Earns PEER v2

If a LEED certified project is meeting the MPR (Minimum Project Requirements) of PEER v2 certification, then the PEER project can achieve the following points across several common credits as listed below in table 1

- LEED v4.1 BD+C Certified Project can achieve maximum 14 Points in PEER v2 (Refer Table 1)

In addition, if the project earns specific LEED v4.1 BD+C credits and meets the additional PEER v2 Requirements outlined below in Table 1, then the project may earn the corresponding PEER Credit or points. The credit will only need to be documented in the LEED v4.1 BD+C project submittal.

LEED v4.1 BD+C	Conditions in LEED v4.1 BD+C to qualify for PEER v2	PEER v2	Additional Requirements for PEER v2	Points (depending upon thresholds or requirements met)
<p>EA - Renewable Energy</p> <p>Thresholds (from 5 years to 15 years):</p> <ul style="list-style-type: none"> • Tier 2: 50%-150% • Tier 3: 75%-175% • Tier 4: 100%-200% • Tier 5: 125%-187.5% <p>Carbon offset (for 15 years): 100%-200%</p> <p>And/Or</p> <p>EA - Renewable Energy Thresholds: Tier 1: 2%-40%</p>	<ul style="list-style-type: none"> • Consider Tier 2, 3, 4, and 5 and carbon offsets • Consider Tier 2 and 3- offsite renewable energy generation <p>Only Tier 1- onsite renewable energy generation (threshold of minimum 2%)</p>	<p>EE - Renewable energy & carbon offsets</p> <p>- Threshold must meet- total 20%</p> <p>And/Or</p> <p>RR - Alternative sources of supply (Option 1: Alternative supply)</p> <p>-If alternate source is generation outside the boundary (offsite renewable as backup with overall backup of 40%)</p> <p>And/Or</p> <p>EE - Distributed energy resources (option 1: local renewables and clean generation)</p>	<ul style="list-style-type: none"> • Submit documents for SLDs. • Calculation of % offsite renewables. • Submit documents for SLDs. • Calculation of % offsite renewables as backup. • Threshold of 10% for local renewables 	<p>1-4</p> <p>And/Or</p> <p>1-2</p> <p>And/Or</p> <p>1-2</p>

EA - Grid Harmonization (Case 1 or Case 2)	-	GS - Demand response (Option 1 or Option 2)	-	1-2
<i>Or</i>	<i>Or</i>	<i>Or</i>		<i>Or</i>
EA - Grid Harmonization (Case-3 Load Flexibility and Management Strategies)	<i>Peakload optimization / flexible operating scenarios or on site thermal or electricity storage strategies</i>	GS - Demand side management (Option-2: load management)		1
	<i>And/Or</i>	<i>And/Or</i>		<i>And/Or</i>
	<i>Storage reduces peakload by 10%</i>	EE - Distributed energy resources (Option-2: Local energy storage) %		1
EA - Pilot credit- District energy systems	-	EE - SEEC Improvement	<ul style="list-style-type: none"> Submit the data inputs populated in the "PEER points for DES performance V2" calculator 	1-3

Table 1: LEED v4.1BD+C Earns PEER v2

2. LEED v4.1 O+M Earns PEER v2

If a LEED certified project is meeting the MPR (Minimum Project Requirements) of PEER v2 certification, then the PEER project can achieve the following points across several common credits as listed below.

- LEED v4.1 O+M Certified Project can achieve maximum 5 Points in PEER v2 (Refer Table 2)

In addition, if the project earns specific LEED v4.1 O+M credits and meets the additional PEER v2 Requirements below, then the project may earn the corresponding PEER Credit or points. The credit will only need to be documented in the LEED v4.1 O+M project submittal.

LEED v4.1 O+M	Conditions in LEED v4.1 O+M to qualify for PEER v2	PEER v2	Additional Requirements for PEER v2	Points (depending upon thresholds or requirements met)
EA - Pilot credit-District energy systems	-	EE - SEEC Improvement	<ul style="list-style-type: none"> • Submit the data inputs populated in the “PEER points for DES performance V2” calculator 	1-3
EA - Grid Harmonization (Case 1 or Case 2) <i>Or</i>	-	GS - Demand response (Option 1 or Option2) <i>Or</i>	-	1-2 <i>Or</i>
EA - Grid harmonization (case 3-Permanent load shifting technologies)	<ul style="list-style-type: none"> • Peakload optimization / flexible operating scenarios. 	GS - Demand side Management (Option 2-Load management)	<ul style="list-style-type: none"> • Shifting of processes or loads from peak period to off-peak period 	1

Table 2: LEED v4.1 O+M Earns PEER v2