



LEED BD+C: Core and Shell | v4 - LEED v4

Renewable energy - distributed generation

Possible 1 point

Glossary

Intent

To support the installation of distributed renewable energy generation.

Requirements

Obtain structural engineer verification that the design and constructing of the building is capable of supporting planned photovoltaic technologies on the roof.

AND

Enter into a rooftop lease agreement committing to provide renewable, solar energy for distributed generation¹that meets the following requirements:

Solar facility capacity	Points
250 kW	
500 kW	
1,000 kW	

The agreement must specify an expected commercial operation date for the solar facility that is within 18 months of building construction completion.

Capacity of the solar facility shall be determined by summing the photovoltaic module (PV) power listed on the nameplates of the PV modules in units of watt and then dividing by 1,000 to convert to kilowatt (kW).

The PV module power ratings are for Standard Test Conditions (STC) of 1000 W/sq. meters solar irradiance and 25oC PV module temperature.

While projects may use electricity from the solar facility, the facility cannot count towards the achievement of EAc2: On-site Renewable Energy (BD&C rating systems) and EAc4 On-site and Off-site Renewable Energy (O&M rating systems).

The building is prohibited from receiving or claiming ownership of environmental attributes generated by the on-site renewable energy facility. Environmental attributes shall include, without limitation, any and all carbon credits, renewable energy credits, emissions reductions, reporting rights, offsets and allowances attributable to the electric energy produced by the solar facility.

¹Distributed generation is the use of small-scale power generation technologies located close to the load being served. These systems reduce the amount of energy lost in transmitting electricity because the electricity is generated very near where it is used. Distributed generation systems are typically smaller than 10,000 kW. For purposes of this credit, distributed generation systems must deliver power to the utility distribution grid rather than to an individual building.

²As a pilot credit, project teams will earn one point regardless of the threshold achieved. USGBC is indicating multiple thresholds to display the credit's intended structure.

Submittals

General

[REGISTER FOR THE PILOT CREDIT](#)

- Participate in the [LEEDuser pilot credit forum](#)
- Complete the feedback survey:

[CREDITS 1-14](#)

[CREDITS 15-27](#)

[CREDITS 28-42](#)

[CREDITS 43-56](#)

[CREDITS 57-67](#)

[CREDITS 68-82](#)

[CREDITS 83-103](#)