



LEED and Green Building: Green Power Points

Renewable Energy Markets Conference
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About Community Energy...

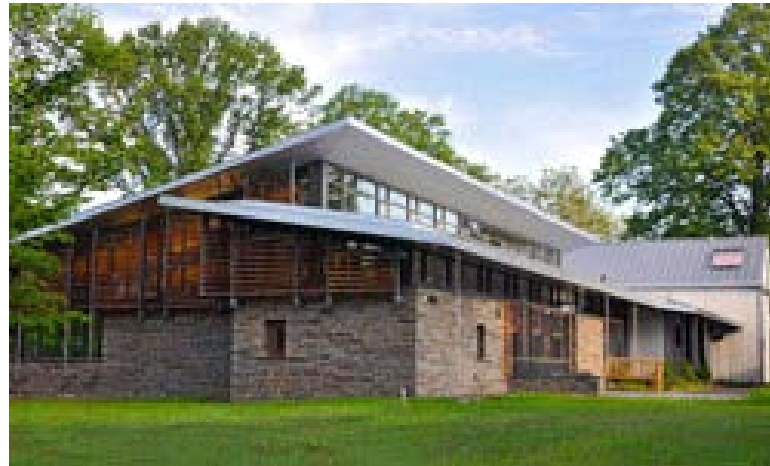
- Founded in 1999
- REC sales to residential and commercial customers
- Variety of REC Products-national, regional, solar
- Develop wind farms
- Expanded into solar project development

The Intent

- To encourage the development and use of grid-source, renewable energy technologies...
 - Energy and Atmosphere Green Power Credit Intent

Examples of LEED Customers

- University of Pennsylvania
- Colorado State University
- SAP America
- Shire
- Architecture Firms



The Horticulture Center at Penn's Morris Arboretum has been awarded LEED Platinum certification

Customers may be

- Large or small organizations
- With varying levels of experience with Green Power Points
- With varying levels of understanding of RECs

But everyone needs to decide on...

The Particulars

- Quantity
- Certification
- Length of coverage
- Vintage
- Source

REC Quantity

LEED[®] Energy & Atmosphere Green Power Points v3 2009

CREDIT REQUIREMENTS

- ✓ Offset your project's electricity usage with a 2 year contract for Renewable Energy Credits (RECs) supplied by Community Energy
- ✓ RECs meet the Center for Resource Solutions product certification (Green-e) standards.

**New Construction (NC)
Core & Shell (CS)**

35%
70%

**Existing Buildings
Operations & Maintenance**

25%
37.5%
50%
62.5%
75%
100%

**Commercial
Interiors**

50%
100%

POINTS

1
2
3
4
5
6



If electricity usage is
not known...

*Use DOE's Energy
Consumption Survey
database for an
estimate*



Independent Statistics & Analysis
U.S. Energy Information
Administration

The Particulars

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REC Certification

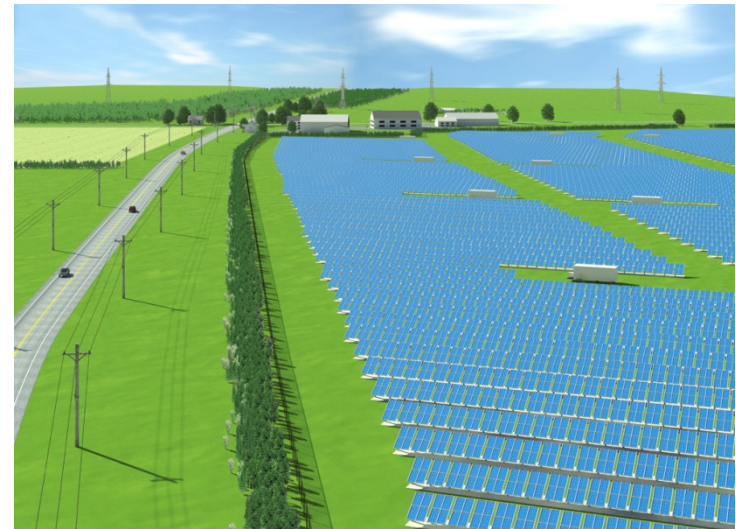
- Green-e Energy Certified
- Green-e Energy Eligible
 - standards and verification

The Particulars

- Quantity
- Certification
- Length of coverage
- Vintage
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Length of Coverage

- Two year minimum requirement
- Longer term is needed to impact development



Keystone Solar Project , PA

The Particulars

- Quantity
- Certification
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REC Vintage

- Match vintage with usage period

- A Green-e Energy Certified product may include only renewables that are generated in the calendar year in which the product is sold, the first three months of the following calendar year, or the last six months of the prior calendar year.

Green-e Energy National Standard Version 2.1

- Purchase upfront

- “In this case, the team purchases a quantity of RECs equal to 35% of the predicted annual electrical consumption over a two year period (which is equivalent to 70% of predicted annual electrical consumption if all of the RECs are purchased at one time).”

LEED-NC Version 2.2 Reference Guide, EA credit 6, Approach and Implementation, #3

The Particulars

- Quantity
- Certification
- Length of coverage
- Vintage
- Source
 - Type
 - Location

REC Sourcing - Type

- The following types of renewable energy are eligible to supply Green-e Energy Certified products:
 - Solar
 - Wind
 - Geothermal
 - Certain Hydro LIHI
 - Certain Biomass

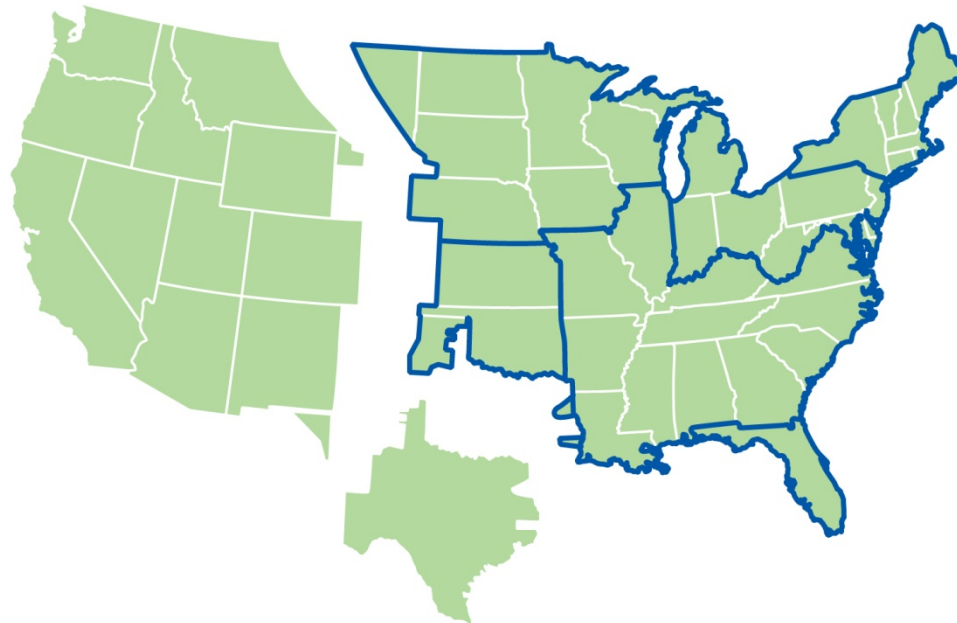


Bear Creek Wind Farm, PA

REC Sourcing - Location

Regional is more impactful **BUT**

National is cheaper





Steps to Earning your LEED® Green Power Points:

- **Contact Community Energy** and our LEED® specialist will walk you through your Green Power options and help you choose the right product.
Call us at **1.866.946.3123** or email **Veronica.Harris@CommunityEnergyInc.com**
- **Provide the Expected Annual Electricity Usage** for the LEED® project to receive a customized proposal based on your budget and goals.
- **Purchase Renewable Energy Credits (RECs)**
- **Submit the Documentation** provided by Community Energy to the USGBC to verify your Green Power Points.

The Big Picture

- Through the LEED[®] green building certification program, the U.S. Green Building Council (USGBC) is transforming the built environment.

The green building movement offers an unprecedented opportunity to respond to the most important challenges of our time, including

global climate change,

dependence on non sustainable and expensive sources of energy,

and threats to human health.

–Preface from USGBC Rating System