Measuring Energy Infrastructure Resilience and Reliability with PEER

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LEED

- SUSTAINABLE SITE
- MATERIALS AND RESOURCES
- INDOOR ENVIRONMENTAL QUALITY
- LOCATION AND TRANSPORT
- ENERGY AND ATMOSPHERE
- WATER EFFICIENCY
How can I reduce my power costs?

How reliable is my power?

How can I improve my power quality?

How is my power generated?

What happens if I lose power?

What are my power supply options?
Aggregates the different approaches for grid modernization into a single, simple, holistic standard that can be utilized to assess a wide variety of projects.
Performance Excellence in Electricity Renewal™
The 6 credit categories of PEER are:

- Reliability and Resiliency
- Energy Efficiency and Environment
- Operations, Management & Safety
- Grid Services
- Regional Priority
- Innovation & Exemplary Performance
Benefits of PEER to Projects

- Highlights on-going commitment to excellence especially in sustainability
- Additional LEED points at the building level
- Risk assessment done for critical system and failure modes are identified
“There are so many definitions of the smart grid today. The PEER certification really aligned with what our version of what the modern grid was... I think having a third party looking at these metrics to ensure you are measuring them in the right way.” – David Wade, CEO, EPB Chattanooga
• Utilize PEER to select awardees of State-led grant or demonstration programs
  (e.g., State of Kentucky and Pennsylvania SEP programs)
• Create a rider to fund microgrid projects or other utility-led projects
• PEER allows regulators to consistently evaluate projects across a common set of metrics and verify the outcomes with PEER
How to get started

Education & Training

Earn the PEER Pro Badge

On-line classes
USGBC.org/education

Resources and Case Histories

PEER.GBCI.org

Project Certification

PEER@GBCI.org