LEED v4 User Guide

LEED v4

User Guide

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NOVEMBER 2014

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Demanding More from Our Buildings

LEED v4 – November 2013

- ❑ Stronger Energy performance
- ❑ Better materials
- ❑ Increased water efficiency
- ❑ Accounting for human experience

Create significant global and local change through resource-efficient, cost-effective green buildings.

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Better Buildings are Our Legacy

By looking at the Whole Building as interconnections, buildings can be built and operated in a more sustainable and efficient way.

Chose the right team of people.

LEED v4 leverages the **integrative process** to help project teams better understand the interconnectivity that exists throughout building systems and the phases of building design and construction.

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Using LEED v4

Documentation

1. **Combined forms for prerequisites and credits**. Reduces the amount of overlap and duplicative work.

2. **Downloadable calculators**. Increased transparency to provide LEED users a better understanding of the equations behind the calculations.

3. **Less documentation needed**. There are many instances where industry standard documentation provides all of the information needed to confirm credit compliance and submittal documents have been modified to reflect that.

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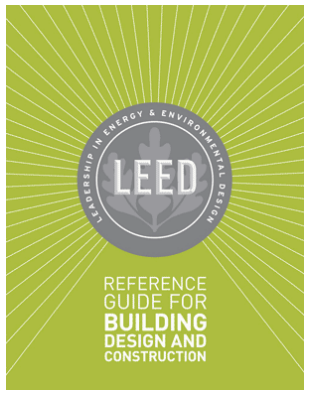
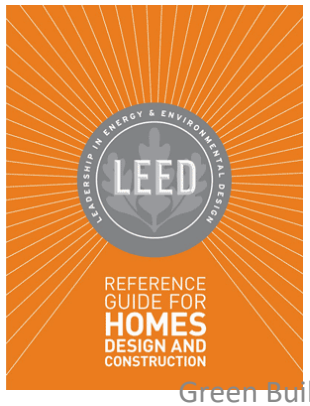
Reference Guides

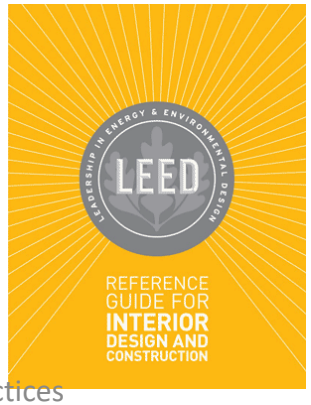
Primary source for teams to understand and achieve LEED credit requirements.

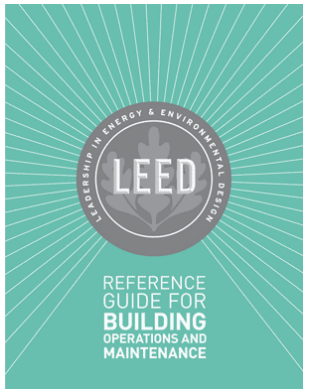
Web based contains supplemental material – videos, tutorials, presentations and documents.

LEED is a marketplace standard of best practice in designing, building, operating and maintaining buildings.









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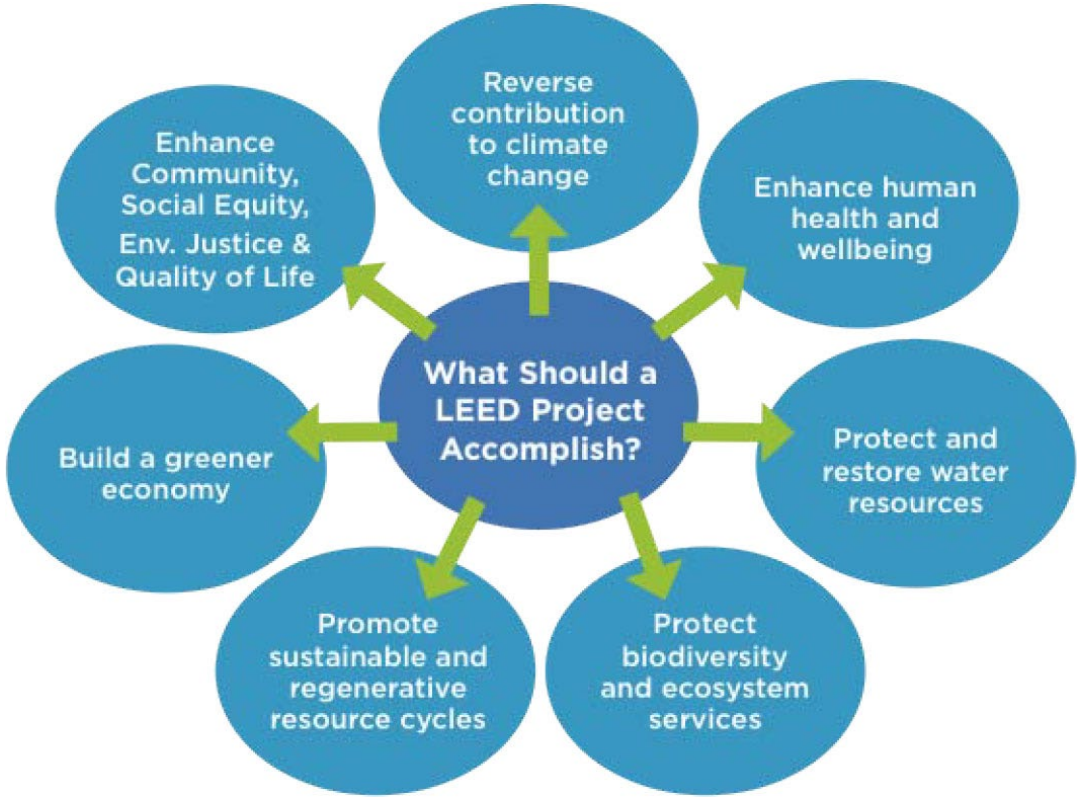
Improved Environmental Outcomes

LEED's goals are referred to as "impact categories"



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LEED Certification Process

Certification begins with rating system selection and project registration.

Documentation is then prepared for all prerequisites and for the credits the team has chosen to pursue

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LEED Certification Process

Application Process

Credit templates are submitted for review

Preliminary review Provides the project team with technical advice on credits that require additional work for achievement.

Final review Contains the project's final score and certification level. It ca be accepted or appealed of the team believes additional consideration is warranted.

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Levels of LEED Certification

CERTIFIED
40 - 49 POINTS

SILVER
50 - 59 POINTS

GOLD
60 - 79 POINTS

PLATINIUM
80+ POINTS

Preparing for LEED Certification

Integrative Process – gives the project team a greater chance of success

Discovery. The most important phase of the integrative process, discovery can be thought of as an extensive expansion of what is conventionally called predesign. A project is unlikely to meets its environmental goals cost-effectively without this discrete phase. Discovery work should take place before schematic design begins.

Design and construction (implementation). This phase begins with what is conventionally called schematic design. It resembles conventional practice but integrates all the work and collective understanding of system interactions reached during the discovery phase.

Occupancy, operations, and performance feedback. This third stage focuses on preparing to measure performance and creating feedback mechanisms. Assessing performance against targets is critical for informing building operations and identifying the need for any corrective action.

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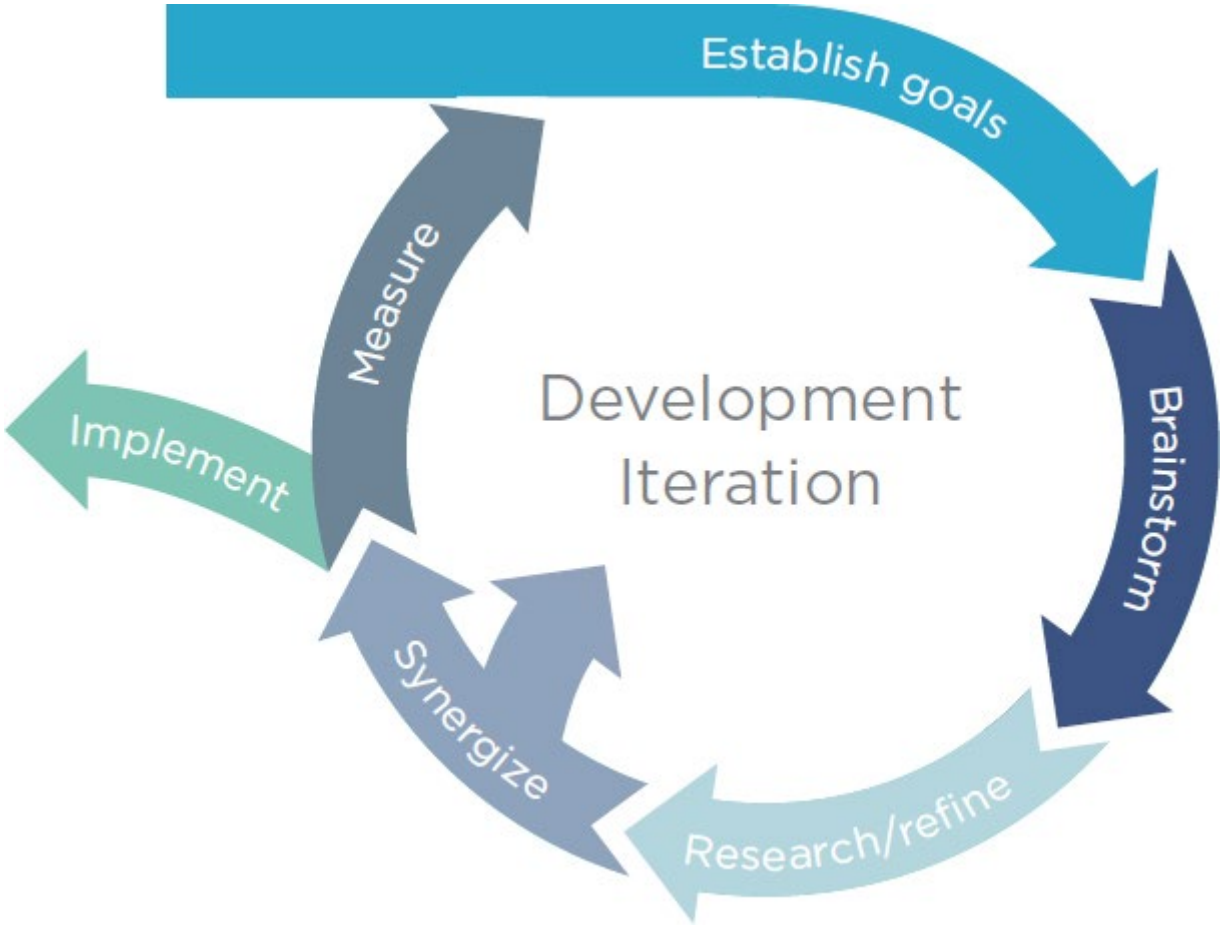

Minimum Program Requirements

Must be in a permanent location on existing land.

Must use reasonable LEED boundaries.

Must comply with project size requirements.

[See GA02 – Getting Started]

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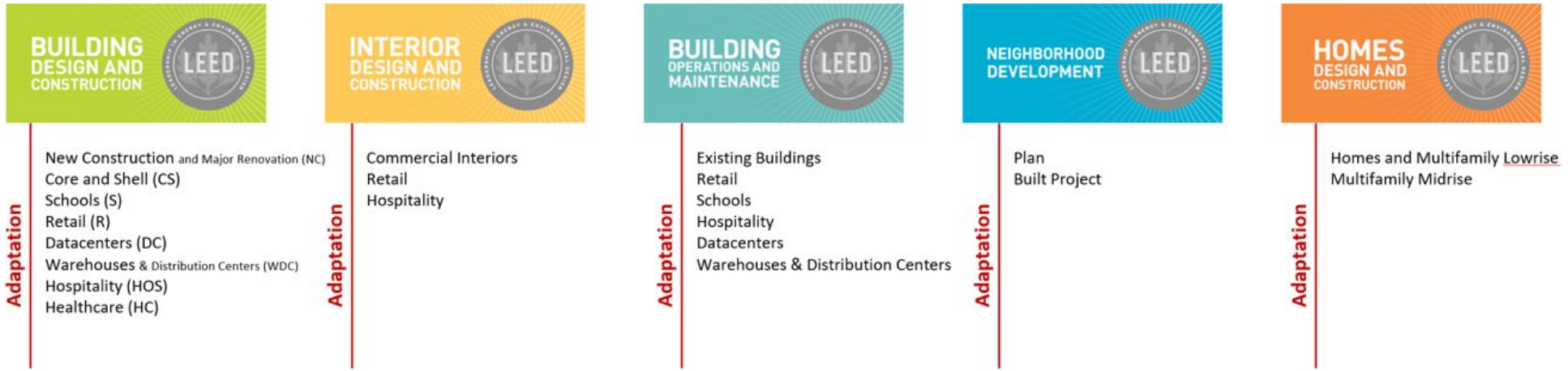
Rating System Selection

Identify an appropriate rating system
Determine best adaptation



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Rating System Descriptions
Choosing Between Rating Systems