







KEY TAKEAWAYS

Energy Performance Compliance Path Requirements, focuses on the requirements of the credit and provides guidance on how to use the standards and applicable LEED Interpretations. It also introduces common energy simulation software programs used for documenting LEED compliance and describes their output reports.

Energy Performance Compliance Path Documentation and Review, provides detailed guidance on documenting and reviewing credits. Common errors made in LEED EA Credit 1 applications and quality control guidance relevant to both reviewers and applicants are also discussed.

Atypical Energy Systems and Scenarios, provides guidance on the variances presented by atypical scenarios, such as existing building expansions, multiple buildings on campus, exceptional calculations, district energy systems (DES), and combined heat and power (CHP) plants.

ADVANCED ENERGY MODELING FOR LEED +

This course is intended to guide project teams and LEED reviewers on EA Prerequisite 2 and EA Credit 1 requirements and documentation.

It offers further information on EA Prerequisite 2 and EA Credit 1, streamlines the LEED documentation process, and provides a greater degree of consistency for both applicants and reviewers. It elaborates on the information provided in the LEED rating systems, reference guides, LEED Interpretations, and other guidance published by USGBC.

Its content is based on existing requirements as stipulated in the rating system and interpretations, but it is not considered a precedent-setting document. The rating system supersedes the content of this manual in case of any conflicts.

The intended users of this course are both LEED reviewers and applicants with intermediate or advanced understanding of energy modeling, referenced standards, and energy codes.

ADVANCED ENERGY MODELING FOR LEED +

The course consists of 16 lectures and 9 sections. Learner's may find certain sections in the manual particularly useful based on their degree of familiarity with the referenced standards, such as ASHRAE 90.1-2016, and their energy modeling skills. Critical tools and guidance for advanced users include the following:

- ✓ A comparative summary of energy modeling requirements for baseline and proposed design models for ASHRAE Standard 90.1-2016, Appendix G, and California Title 24-2019

- ✓ Critical steps recommended for verification of energy savings for EA Prerequisite 2 and EA Credit 1

- ✓ Input quality control checklist, with common ASHRAE 90.1-2016 errors / input-output consistency checklist



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