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# INTERPRETATIONS OF ENERGY MODEL RESULTS

LEED Interpretations and CIRs are important in the context of building energy modeling for several reasons. They encourage project teams to explore innovative designs and technologies without fear of non-compliance, providing a pathway to clarify how such innovations can align with LEED objectives.

# Learning Objectives

- **Introduction and Course Outline**

- **Verification and Fixing of Simulation Results**

- **Analyzing and Comparing Modeling Results**

- **Economic Analysis**

- **Sensitivity Analysis**

- **Exceptional calculation methods**

- **Project Deliverable**

- **LEED Interpretations and CIRs**

- **Sample Energy Modeling Report**

- **Summary and Resources**

- **BEMP Practice Test V.5.1**

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# INTRODUCTION

- Clarify the LEED rating system and guide application of specific requirements.

- Help project teams understand how to implement prerequisites and credits in situations not explicitly addressed in LEED reference guides.

- Allow exploration of innovative solutions that align with LEED certification goals.

- Encourage exploration of innovative designs and technologies without fear of non-compliance.

- Contribute to consistency and fairness by providing standardized responses to similar inquiries.

- Facilitate communication between project teams and the USGBC, ensuring effective implementation of innovative solutions while maintaining sustainability and energy efficiency principles.

# LEED INTERPRETATIONS AND CIR FOR BUILDING ENERGY MODELING

- LEED is a globally recognized system for certifying the sustainability and energy efficiency of buildings.
- Energy modeling is a crucial category within LEED, aiding in assessing a building's energy performance and informing decision-making.

## Understanding LEED Interpretations

- LEED Interpretations (LI) clarify the LEED rating system and guide how to apply specific requirements to unique project scenarios.
- They ensure consistency in the certification process while allowing flexibility in application.

# EXAMPLES OF LEED INTERPRETATION IN ENERGY MODELING





- A project team may need to clarify the use of advanced energy modeling software to account for the thermal performance of a facility with extensive glass surfaces.
- The USGBC may provide guidelines on how to calculate energy performance accurately.

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# CLARIFICATIONS AND INTERPRETATIONS REQUEST (CIR)

- CIR is a formal mechanism for project teams to seek guidance from the USGBC regarding ambiguous aspects of the LEED rating system.
- The process includes submission, review, and response.

# IMPORTANCE OF LEED INTERPRETATIONS AND CIRS IN ENERGY MODELING

They promote innovation, ensure consistency and fairness, and enrich the LEED community's knowledge base.

## Conclusion

- LEED Interpretations and CIR are essential tools for navigating the complexities of the LEED certification process, particularly in building energy modeling.

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