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ABOUT DBR

DBR provides an alternative to traditional MEP consulting firms by providing better opportunities for our people and as a result, better expertise for our clients.

We hold ourselves accountable to preserve non-renewable resources with our ability to design innovative solutions at the leading edge of building sciences.

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LEED V4.1

IMPACTS & IMPLEMENTING LEED FOR AN OFFICE PROJECT

DESCRIPTION

The revised LEED V4.1 sustainability rating system, recently released by USGBC, provides a new tool for measuring sustainability achievements in building design. This presentation will discuss LEED V4.1 BD+C (Beta) and provide a comparison study with the previous version, LEED V4.0. We will discuss the new building rating system and details regarding the major upgrades in energy and atmosphere credits, highlighting the impact on building design. The new energy performance credit in LEED V4.1 will use two different metrics to measure the building such as cost and greenhouse gas emissions, as well as provide a comparison to the new ASHRAE 90.1 2016 App. G baseline. Additionally, the presentation will review a Houston project currently pursuing LEED V4.0 BD+C Core and Shell and discuss key strategies to improve building performance during the design. The project will utilize a unique approach in managing LEED certification, improving building systems, particularly the envelope system, and pursue LEED V4.1 credits as replacement credits.

LEARNING OBJECTIVES

- Differentiate sustainability & energy measurements between LEED V4.1 BD+C & LEED V4.0 BD+C
- Understand new Energy and Atmosphere credit requirements in LEED V4.1 BD+C that can affect the building design
- Apply energy measurement strategies in envelope, lighting, and HVAC to be better than LEED V4.1 BD+C baseline.
- Describe LEED V4.0 project and strategy to improve building performance applying V4.1 credits

LEARNING UNITS

1 LU | HSW

