

Energizing Brownfield Projects



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Why “Green”?

- Fulfills “Smart Growth” mission
- Provides alternatives
- Enables “enviro” friendly redevelopment
- Provides for Environmental enhancements
- Environment and Development not mutually exclusive



LEED

- What is it?
 - Leadership in Energy & Environmental Design
 - Provides guidance for:
 - High Performance Buildings
 - Sustainable Buildings
 - Green Buildings



LEED

- The LEED Green Building Rating System was developed by the U.S. Green Building Council
 - Intended to be used by commercial building project stakeholders or project team members as a guide for green and sustainable design
 - Provides design guidelines and use as a third party certification tool



LEED

- Improves occupant well-being
- Environmental performance
- Economic returns of building
 - Using established and innovative practices, standards and technologies



LEED

- A standard that improves environmental and economic performance of commercial buildings using established and/or advanced industry principles and practices, materials and standards



LEED

- Evaluate development of a new building from a “whole building” perspective over a building’s life cycle
- Strikes a balance between known effective practices and emerging concepts

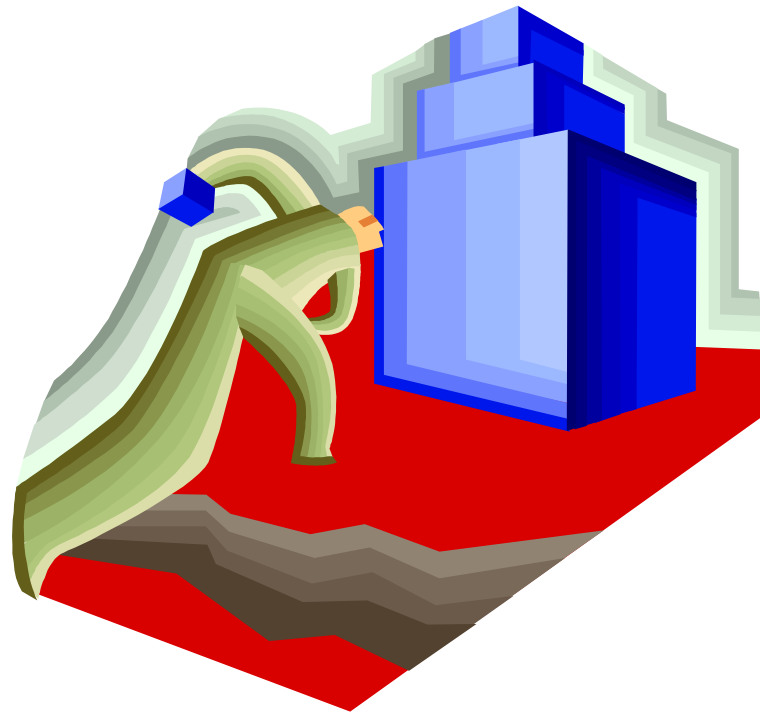


Principles of High Performance Design

- Sustainable Site Design
- Water Efficiency
- Energy & Atmosphere Conservation
- Materials & Resource Conservation
- Indoor Air Quality
- Education
- Community
- Commissioning

LEED Rating System

- Projects earn “credit” to achieving each prerequisite toward certification





Rating System Includes

- Sustainable sites (Areas that are evaluated)
 - Erosion & Sediment Control
 - Site Selection
 - Urban & Brownfield Redevelopment
 - Alternative Transportation
 - Reduced Site Disturbance
 - Stormwater Management
 - Landscape & Exterior Design to Reduce Heat Islands
 - Light Pollution Reduction



Rating System Includes

- Water Efficiency
 - Water Efficient Landscape
 - Innovative Wastewater Technologies
 - Water Use Reduction



Rating System Includes

- Energy & Atmosphere
 - Minimum Energy Performance
 - Optimize Energy Performance
 - Renewable Energy
 - Ozone Depletion
 - Green Power



Rating System Includes

- Materials and Resources
 - Storage & Collection of Recyclables
 - Construction Waste Management
 - Resource Reuse
 - Recycled content
 - Local/Regional materials
 - Certified wood



Rating System Includes

Innovation in Design

Indoor Air Quality

- Carbon Dioxide Monitoring
- Low-emitting materials
- Indoor Chemical & Pollutant Source Control
- Daylight & Views



Additional “Green Building” Resources

- U.S. Department of Energy
- U.S. Environmental Protection Agency
- U.S. Green Building Council
- State Program Incentives
 - (varies state to state)

Why “Green”?

- It just makes sense!





For More Information

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