

Leadership in Energy and Environmental Design (LEED)

Bald Eagle State Park



Bald Eagle Nature Inn

The inn is designed to achieve a Gold LEED rating from the U.S. Green Building Council for:

- Reduced stormwater runoff
- Habitat restoration
- Native, water efficient landscaping
- Reduction in roof and non-roof heat island effect
- Water use reduction of more than 30% with low-flow fixtures and dual-flush toilets
- 2,500-gallon rainwater harvesting system
- At least a 14% decrease in energy costs over a code minimum building
- Guest room energy monitoring; viewable in each room
- On-site renewable energy; solar-thermal hot water system
- Diversion of at least 75% of construction waste from landfills
- Regional and recycled content materials
- FSC-certified wood framing, finishes, and furniture—more than 80%
- Low VOC paints, stains, adhesives, and carpeting
- Direct connection with the outdoors through daylighting, views, and access
- Direct access to hiking and biking trails to enable and encourage healthy interaction with park resources

DCNR is committed to building all its new facilities to achieve LEED certification.

What is LEED?

The Leadership in Energy and Environmental Design (LEED) Green Building Rating System™ encourages and accelerates global adoption of sustainable green building and development practices through the creation and implementation of universally understood and accepted tools and performance criteria. LEED is an internationally recognized green building certification system, providing third-party verification that a building or community was designed and built using strategies aimed at improving performance across all the metrics that matter most: energy savings, water efficiency, CO₂ emissions reduction, improved indoor environmental quality, and stewardship of resources and sensitivity to their impacts.

Developed by the U.S. Green Building Council (USGBC), LEED provides building owners and operators a concise framework for identifying and implementing practical and measurable green building design, construction, operations and maintenance solutions.

LEED is a voluntary certification program that can be applied to any building type and any building lifecycle phase. It promotes a whole-building approach to sustainability by recognizing performance in key areas:

- Sustainable Sites
- Water Efficiency
- Energy & Atmosphere
- Materials & Resources
- Indoor Environmental Quality
- Locations & Linkages
- Awareness & Education
- Innovation in Design
- Regional Priority

LEED points are awarded on a 100-point scale, and credits are weighted to reflect their potential environmental impacts.

Who Uses LEED?

Architects, real estate professionals, facility managers, engineers, interior designers, landscape architects, construction managers, lenders and government officials all use LEED to help transform the built environment to sustainability. State and local governments across the country are adopting LEED for public-owned and public-funded buildings; there are LEED initiatives in federal agencies, including the Departments of Defense, Agriculture, Energy, and State; and LEED projects are in progress in 41 different countries, including Canada, Brazil, Mexico and India.

Resources

LEED Home Page:

<http://www.usgbc.org/DisplayPage.aspx?CategoryID=19>

How to Get Started:

<http://www.usgbc.org/DisplayPage.aspx?CMSPageID=1992>

LEED 2009 for New Construction and Major Renovations:

<http://www.usgbc.org/ShowFile.aspx?DocumentID=5546>

www.dcnr.state.pa.us



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