Sidney J. Watson Arena and LEED Certification

As part of Bowdoin's commitment to the environment, the College strives to meet LEED certification for all new construction projects. By holding to these standards, Bowdoin hopes to set an example for similar institutions of learning and play a role in the development and prevalence of sustainable design.

What is LEED?

Developed by the U.S. Green Building Council in 2000, Leadership in Energy and Environmental Design (LEED) is a voluntary, consensus-based rating system for developing high-performance sustainable buildings. On July 16, 2009 the Watson Arena became the first LEED certified hockey arena in the United States.

Indoor Environmental Quality

Use of low-volatile organic compound adhesives and sealants, paints and coatings, and carpet systems results in improved air quality.

FSC Certified Wood

Use of Forest Stewardship Council (FSC) certified wood was utilized for interior finishes throughout the building.

Water Use Reduction

Low-flow showers, faucets, toilets, and urinals result in a 22 percent reduction in water use.

Transportation

To encourage the use of low-emission transportation, preferred parking is provided for low-emission and fuel-efficient vehicles.

Roof

Reflectivity of the roof material minimizes the "heat island effect."

Sustainable Sites

Landscaping with indigenous plants that do not require irrigation and minimize maintenance conserve potable water and avoid compromising water quality.

Construction

Waste was reduced by diverting 82 percent of construction debris for reuse and recycling. Thirty percent of the building products include pre- and post-consumer recycled material. Additionally, 40 percent of building materials came from within five hundred miles.

Renewable Power

Thirty-five percent of the building's electricity is offset by the purchase of Renewable Energy Credits.

Energy Optimization

The building systems use less energy through building envelope design, heat recovery systems, and dehumidification systems. The refrigeration system uses an infrared camera to accurately measure the ice temperature and the control systems efficiently.

For more information, contact the Bowdoin Communications and Public Affairs Office at 207-725-3253.

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