YEATON ASSOCIATES, INC.

Lyndon State College –Academic & Student Activities Center

Certified LEED® Gold by the USGBC
Recipient of Advanced Buildings Core Performance Designation

"Core Performance outlines technologies and strategies to deliver predictable energy savings, while providing a simplified path to sustainable design goals and standardized financial incentives.... For the Academic and Student Center project, Efficiency Vermont's estimates of [annual] energy savings are:

- 58,000 kWh of electricity
- 10,480 gallons of propane
- 1.9 kWh/sq. ft. (Energy Savings Index)
- 1,289 tons of Carbon Dioxide Reduction over the building's lifetime"

Quoted from Efficiency Vermont's Advanced Buildings Core Performance Designation Letter dated September 9, 2010

Project: Lyndon State College Academic & Student Activities Center
Facility Size: 60,000+ sq. ft.
Location: Lyndonville, Vermont

The Facility

At the heart of the Lyndon State College campus is the Academic and Student Activities Center. Completed in 2009, the Center consists of classrooms, lecture halls, computer labs, and a student event center. The Academic and Student Activity Center was certified LEED® Gold by the United States Green Building Council and received the Advanced Buildings Core Performance designation from Efficiency Vermont.

Project Scope

Yeaton Associates, Inc. was engaged to perform the mechanical, plumbing, fire protection, sustainable and energy engineering for the Academic and Student Activities Center at Lyndon State College. Sustainable elements, a tight building envelope, and energy efficiency were a primary focus. Central to the award-winning design of this building was the collaborative partnership among team members.

Project Result

The focus of this design was on energy efficiency and function. An extremely efficient envelope, modular chiller plant, energy recovery systems with demand control ventilation, LED lighting and daylight control produced a building with a greater than 35% reduction in energy costs. As part of the LEED® process, we developed an energy model early in the design process to use as a design tool to enhance building envelope and fine-tune the mechanical and electrical systems designs. All LEED documentation was completed by the design team.

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