

Bowdoin College, The Peter Buck Center for Health and Fitness

Brunswick, Maine

Owner

Bowdoin College

Architects

Cambridge Seven Associates, Inc.

Completion Date

2009

Construction Cost

\$15 million

Total Area

45,000 sf

LEED Certification Level

Silver

Services Provided

LEED Consulting



The four-level, 45,000-square-foot addition to the Morrell Gym complex is a shared facility dedicated to benefiting mind, body and spirit by housing exercise rooms along with centers for health and wellness. The new addition, which replaces a structure that housed athletic department offices, is sheathed in glass, reflecting the campus day and night and forming what the architect describes as a literal and figurative lantern: a beacon of fitness, health and wellness for the campus community. Fore Solutions, acquired by Thornton Tomasetti in 2012, served as the LEED consultant.

The design incorporates numerous environmentally friendly features, such as energy-efficient lighting with automated light management system, natural light and water-saving fixtures that reduce annual water consumption by 48 percent. Eco-friendly materials used incorporate recycled and post-consumer contents as well as locally sourced and manufactured building products. The high-performance building envelope included a reflective roof membrane that helps to lessen the solar gain and heat island effect.

For optimal energy performance, high-efficient mechanical and air handling equipments were installed. The facility is designed to use 17 percent less energy than a standard code compliant building.