

MASSACHUSETTS STATE GOVERNMENT LEADING BY EXAMPLE COUNTDOWN TO 100 LEED CERTIFICATIONS

Since 2007, all new construction at state-owned facilities are required to meet the Massachusetts LEED Plus standard, which requires buildings to achieve both LEED certification and be designed to meet energy performance that is 20% better than the existing Massachusetts building energy code. Since that time, 100 buildings have been constructed that prioritize green building elements such as energy and water efficiency, sustainable materials, and innovative design. This poster highlights the 98th building to be certified in the state-owned building portfolio.



#98 UMASS AMHERST STUDENT UNION

This building includes an active promenade, storage spaces, and multipurpose rooms to serve around 200 active registered student organizations. Restoration of this 1950s building resulted in LEED Silver certification. Key design elements contributing to the certification include:



80% reduction in indoor water usage through rainwater recapture; no irrigation for landscaping



Sensitive land and open space protection; designed low maintenance landscapes



Daylight maximized through modified ceiling profile and lighting controls for all individual and multi-occupant spaces



65% of construction waste diverted from landfills; use of Forest Stewardship Council certified wood products



Optimized energy performance by 23%; completed enhanced commissioning for systems and envelope

PROJECT INFO

PROJECT MANAGER: UMBA

DESIGN TEAM: Shepley Bulfinch

CONTRACTOR: Thornton Tomasetti, Vanderweil Engineers

CERTIFICATION: September 2022

SIZE: 106,867 sq ft

BUILDING FEATURES

- Green Housekeeping Program in place to provide clean, green and virus-free environment
- Advanced building metering of both energy and water consumption
- Enhanced commissioning ensures optimized building energy performance

UMASS AMHERST SUSTAINABILITY

- 19 LEED buildings in portfolio
- Campus is home to Crotty Hall, one of five buildings in the state portfolio designed to be zero-net energy
- Recently committed to achieving net-zero emissions by 2032



Learn more:

Leading by Example Program: [Green Buildings](#)
U.S. Green Building Council: [UMA Student Union](#)
UMass Amherst: [UMA Green Buildings and Infrastructure](#)

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