

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 99th building to be certified in the state-owned building portfolio.



#99 UMASS LOWELL COBURN HALL

Restoration of this 123-year old building resulted in LEED Silver certification. Modernization and improvements on this building included adding an elevator and new pathway to improve accessibility, a 14,000 sq ft addition, 12 new technology-enhanced classrooms, and more. Key design elements contributing to certification include:



50% reduction in water used for irrigation and 30% reduction in indoor water usage.



Level 2 EV charging stations installed for student and public use



Implementation of green cleaning and integrated pest management plans to reduce toxic chemical usage



Restoration and reuse of historic building. 75% of construction debris diverted from landfill.



Optimized energy performance by 26%; added advanced energy meters to track energy use

PROJECT INFO

PROJECT MANAGER: COMPASS PROJECT MANAGEMENT (VERTEX)

DESIGN TEAM: CBT ARCHITECTS

CONTRACTOR: SUFFOLK CONSTRUCTION

CERTIFICATION: NOVEMBER 2022

SIZE: 74,500 SQ FT

BUILDING FEATURES

- Universal design features dramatically improved accessibility for people of any mobility status
- Occupancy sensors and controls for 100% of occupied spaces improve lighting efficiency
- Reduced parking footprint by 60% compared to similar buildings

UMASS LOWELL SUSTAINABILITY

- 8 LEED buildings in portfolio
- Developed and began to operationalize a roadmap to decarbonize its portfolio by 2050
- Ranked #1 among MA colleges and universities for sustainability (AASHE)



Learn more:

Leading by Example Program: [Green Buildings](#)
U.S. Green Building Council: [UML Coburn Hall Renovation](#)
UMass Lowell: [UML Office of Sustainability](#)