

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 95th building to be certified in the state-owned building portfolio.



#95 UMASS AMHERST WORCESTER COMMONS

Located on the UMass Amherst campus in western MA, this LEED Gold building includes lounge and fitness spaces, a variety of dining options, meeting and music practice rooms, and both indoor and outdoor spaces for gathering and events. Key design elements contributing to the certification include:



42% reduction in potable water usage



Low maintenance landscape design to minimize water and energy usage



Interior space designed with low emission paints and floor coverings



100% of commingled construction waste diverted from landfill



48% overall energy performance optimization

PROJECT INFO

PROJECT MANAGER: UMBA

DESIGN TEAM: Perry Dean Rogers Architects & Connor Architecture

CONTRACTOR: Shawmut Design & Construction

CERTIFICATION: May 2021

SIZE: 87,000 sq ft

BUILDING FEATURES

- Energy recovery systems incorporated to capture heat waste
- Advanced building metering of both energy and water consumption
- Electrochromic glass is responsive to sun intensity, helping to reduce energy needs from heating and cooling

UMASS AMHERST SUSTAINABILITY

- 17 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 completed a feasibility study to assess campus-wide decarbonization strategies



Learn more:

Leading by Example Program: [Green Buildings](#)
U.S. Green Building Council: [UMA Worcester Commons](#)
UMass Amherst: [UMA Sustainability Programs](#)

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