



# LEED Certification Review Report

This report contains the results of the technical review of an application for LEED® certification submitted for the specified project. LEED certification is an official recognition that a project complies with the requirements prescribed within the LEED rating systems as created and maintained by the U.S. Green Building Council® (USGBC®). The LEED certification program is administered by Green Business Certification Inc. (GBCI®).

## UMass Amherst Physical Sciences Building

Project ID 1000045732  
Rating system & version LEED-NC  
Project registration date 08/08/2014



Gold Certified

CERTIFIED: 40-49, SILVER: 50-59, GOLD: 60-79, PLATINUM: 80+

### LEED 2009 NEW CONSTRUCTION

ATTEMPTED: 66, DENIED: 0, PENDING: 0, AWARDED: 66 OF 110 POINTS

SUSTAINABLE SITES 21 OF 26	
SSp1 Construction Activity Pollution Prevention	Y
SSc1 Site Selection	1 / 1
SSc2 Development Density and Community Connectivity	5 / 5
SSc3 Brownfield Redevelopment	1 / 1
SSc4.1 Alternative Transportation-Public Transportation Access	6 / 6
SSc4.2 Alternative Transportation-Bicycle Storage and Changing Rooms	0 / 1
SSc4.3 Alternative Transportation-Low-Emitting and Fuel-Efficient Vehicles	3 / 3
SSc4.4 Alternative Transportation-Parking Capacity	2 / 2
SSc5.1 Site Development-Protect or Restore Habitat	0 / 1
SSc5.2 Site Development-Maximize Open Space	1 / 1
SSc6.1 Stormwater Design-Quantity Control	0 / 1
SSc6.2 Stormwater Design-Quality Control	0 / 1
SSc7.1 Heat Island Effect, Non-Roof	1 / 1
SSc7.2 Heat Island Effect-Roof	1 / 1
SSc8 Light Pollution Reduction	0 / 1

WATER EFFICIENCY 6 OF 10	
WEp1 Water Use Reduction-20% Reduction	Y
WEc1 Water Efficient Landscaping	4 / 4
WEc2 Innovative Wastewater Technologies	0 / 2
WEc3 Water Use Reduction	2 / 4

ENERGY AND ATMOSPHERE 17 OF 35	
EAp1 Fundamental Commissioning of the Building Energy Systems	Y
EAp2 Minimum Energy Performance	Y
EAp3 Fundamental Refrigerant Mgmt	Y
EAc1 Optimize Energy Performance	10 / 19
EAc2 On-Site Renewable Energy	0 / 7
EAc3 Enhanced Commissioning	2 / 2
EAc4 Enhanced Refrigerant Mgmt	2 / 2
EAc5 Measurement and Verification	3 / 3
EAc6 Green Power	0 / 2

MATERIALS AND RESOURCES 5 OF 14	
MRp1 Storage and Collection of Recyclables	Y
MRC1.1 Building Reuse-Maintain Existing Walls, Floors and Roof	0 / 3
MRC1.2 Building Reuse - Maintain 50% of Interior Non-Structural Elements	0 / 1
MRC2 Construction Waste Mgmt	2 / 2
MRC3 Materials Reuse	0 / 2
MRC4 Recycled Content	1 / 2
MRC5 Regional Materials	2 / 2
MRC6 Rapidly Renewable Materials	0 / 1
MRC7 Certified Wood	0 / 1

INDOOR ENVIRONMENTAL QUALITY 9 OF 15	
IEQp1 Minimum IAQ Performance	Y
IEQp2 Environmental Tobacco Smoke (ETS) Control	Y
IEQc1 Outdoor Air Delivery Monitoring	1 / 1
IEQc2 Increased Ventilation	1 / 1
IEQc3.1 Construction IAQ Mgmt Plan-During Construction	1 / 1
IEQc3.2 Construction IAQ Mgmt Plan-Before Occupancy	0 / 1
IEQc4.1 Low-Emitting Materials-Adhesives and Sealants	0 / 1
IEQc4.2 Low-Emitting Materials-Paints and Coatings	1 / 1
IEQc4.3 Low-Emitting Materials-Flooring Systems	1 / 1
IEQc4.4 Low-Emitting Materials-Composite Wood and Agrifiber Products	0 / 1
IEQc5 Indoor Chemical and Pollutant Source Control	1 / 1
IEQc6.1 Controllability of Systems-Lighting	1 / 1
IEQc6.2 Controllability of Systems-Thermal Comfort	0 / 1
IEQc7.1 Thermal Comfort-Design	1 / 1
IEQc7.2 Thermal Comfort-Verification	1 / 1
IEQc8.1 Daylight and Views-Daylight	0 / 1
IEQc8.2 Daylight and Views-Views	0 / 1

INNOVATION IN DESIGN 6 OF 6	
IDc1.1 Innovation in Design: SSc4.1	1 / 1
IDc1.1 Innovation in Design	0 / 1
IDc1.2 Sustainable Purchasing - Reduced Mercury in Lamps	1 / 1
IDc1.2 Innovation in Design	0 / 1
IDc1.3 Innovation in Design - Green Building Education	1 / 1
IDc1.3 Innovation in Design	0 / 1
IDc1.4 Exemplary Performance: SSc5.2	1 / 1
IDc1.4 Innovation in Design	0 / 1
IDc1.5 Innovation in Design - Green Cleaning	1 / 1
IDc1.5 Innovation in Design	0 / 1
IDc2 LEED® Accredited Professional	1 / 1

REGIONAL PRIORITY CREDITS 2 OF 4	
SSc3 Brownfield Redevelopment	1 / 1
SSc7.1 Heat Island Effect, Non-Roof	1 / 1

**TOTAL 66 OF 110**