**WACHMAN HALL:**
**GREEN BY DESIGN**

**MATERIALS AND RESOURCES**

**Certified Wood**
Wood for this building comes from a responsibly managed forest.

**Water Bottle Refilling Stations**
Water bottle refilling stations provide students with the convenience of chilled and filtered water without the waste associated with bottled water.

**Recycled Content**
This project was designed with the intent to reduce the amount of virgin materials used in construction. This both lowers the embodied energy of the project and minimizes the amount of waste entering the landfill. Over 10% of building materials were made of recycled content, including finishes and flooring.

**Construction Waste Management**
During the construction process, 96% of all construction waste was recycled from this project.

**Certified Wood**
Wood for this building comes from a responsibly managed forest.
**Sustainable Sites**

Wachman Hall has a highly reflective roof to reduce cooling costs and the heat island effect. This "cool roof" reflects and emits the sun's heat back to the sky instead of transferring it to the building below. The project maximized vegetated open space by creating landscaped and courtyard areas.

**Energy & Atmosphere**

Building systems performance, including lighting and HVAC equipment, are optimized to reduce the environmental and economic impacts associated with excessive energy use.

**Low Emitting Materials**

This project used low-emitting materials in construction, including low-emitting adhesives, sealants, paints, coatings, floor systems, composite wood and agrifiber products and furniture. These materials reduce the concentration of volatile organic compounds inside the building to provide a healthier working and learning environment.

**Optimized Energy Performance**

Building systems performance, including lighting and HVAC equipment, are optimized to reduce the environmental and economic impacts associated with excessive energy use.

**Low Flow Fixtures**

This building features low flow fixtures, which result in a 36% reduction in water use by fixtures compared to conventional buildings.

**Low Emitting Materials**

Building systems performance, including lighting and HVAC equipment, are optimized to reduce the environmental and economic impacts associated with excessive energy use.

**Daylighting & Views**

Wachman Hall provides building occupants a connection to the outdoors through the use of glass in classrooms, corridors and lounges.

**Bicycle Storage & Changing Rooms**

In 2015, 16% of the university’s greenhouse gas emissions were attributed to transportation. This project provided ample bike parking for building occupants to encourage alternative forms of transportation. Shower facilities are located across the street in Pearson McGonigle.

**Public Transportation Access**

Served by bus, subway and regional rail, Wachman Hall is well connected to the regional transit system.
# 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 the Green Business Certification Inc. (GBCI®).

## Wachman Hall Classroom Renovation G-4

**Project ID:** 100047040  
**Rating system & version:** LEED-CI v2009  
**Project registration date:** 09/09/2014

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## LEED FOR COMMERCIAL INTERIORS (V2009)

**ATTEMPTED:** 64, **DENIED:** 2, **PENDING:** 0, **AWARDED:** 62 OF 110 POINTS

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### SUSTAINABLE SITES 19 OF 21

- **SS1:** Site Selection 4 / 5
- **SS2:** Development Density and Community Connectivity 6 / 6
- **SS3:** Alternative Transportation-Public Transportation Access 6 / 6
- **SS4:** Alternative Transportation-Bicycle Storage and Changing Rooms 0 / 2
- **SS5:** Alternative Transportation-Parking Availability 2 / 2

### WATER EFFICIENCY 8 OF 11

- **WE1:** Water Use Reduction 7 / 8
- **WE2:** Water Use Reduction 1 / 1

### ENERGY AND ATMOSPHERE 11 OF 37

- **EA1:** Fundamental Commissioning of the Building Energy Systems 1 / 1
- **EA2:** Minimum Energy Performance 1 / 1
- **EA3:** Fundamental Refrigerant Mgmt. 1 / 1
- **EA4:** Optimize Energy Performance-Lighting Power 5 / 5
- **EA5:** Optimize Energy Performance-Lighting Controls 1 / 1
- **EA6:** Optimize Energy Performance-HVAC 5 / 10
- **EA7:** Optimize Energy Performance-Equipment and Appliances 0 / 4
- **EA8:** Enhanced Commissioning 0 / 6
- **EA9:** Measurement and Verification 0 / 5
- **EA10:** Green Power 0 / 5

### MATERIALS AND RESOURCES 3 OF 14

- **MR1:** Storage and Collection of Recyclables 1 / 1
- **MR2:** Water-Saving Urinals 0 / 2
- **MR3:** Construction Waste Management 2 / 2
- **MR4:** Recycled Content 0 / 2
- **MR5:** Regional Materials 0 / 2
- **MR6:** Rapidly Renewable Materials 0 / 2
- **MR7:** Certified Wood 0 / 1

### INDOOR ENVIRONMENTAL QUALITY 16 OF 17

- **EQ1:** Indoor Chemical and Pollutant Source Controls 1 / 1
- **EQ2:** Indoor Chemical and Pollutant Source Controls 1 / 1
- **EQ3:** Chemical and Pollutant Source Controls 1 / 1
- **EQ4:** Low-Emitting Materials-Adhesives and Sealants 1 / 1
- **EQ5:** Low-Emitting Materials-Paints and Coatings 1 / 1
- **EQ6:** Low-Emitting Materials-Flooring Systems 1 / 1
- **EQ7:** Low-Emitting Materials-Composite Wood and Solid Fiber Products 1 / 1
- **EQ8:** Low-Emitting Materials-Systems Furniture and Seating 1 / 1
- **EQ9:** Low-Emitting Materials-Systems Furniture and Seating 1 / 1
- **EQ10:** Low-Emitting Materials-Composite Wood and Solid Fiber Products 1 / 1
- **EQ11:** Low-Emitting Materials-Systems Furniture and Seating 1 / 1
- **EQ12:** Low-Emitting Materials-Systems Furniture and Seating 1 / 1
- **EQ13:** Low-Emitting Materials-Systems Furniture and Seating 1 / 1
- **EQ14:** Low-Emitting Materials-Systems Furniture and Seating 1 / 1
- **EQ15:** Low-Emitting Materials-Composite Wood and Solid Fiber Products 1 / 1
- **EQ16:** Low-Emitting Materials-Systems Furniture and Seating 1 / 1

### INNOVATION IN DESIGN 5 OF 6

- **ID1:** Innovation in Design 1 / 1
- **ID2:** Innovation in Design 1 / 1
- **ID3:** Innovation in Design 1 / 1
- **ID4:** Innovation in Design 1 / 1
- **ID5:** Innovation in Design 1 / 1

### REGIONAL PRIORITY CREDITS 1 OF 8

- **RP1:** Site Selection 1 / 1
- **RP2:** Alternative Transportation-Bicycle Storage and Changing Rooms 1 / 1
- **RP3:** Water Use Reduction 1 / 1
- **RP4:** Water Use Reduction 1 / 1
- **RP5:** Water Use Reduction 1 / 1

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**TOTAL:** 62 OF 110