Wachman Hall: Green by Design

SITE SELECTION
Wachman Hall features a highly reflective roof to reduce cooling costs and heat the heat island effect. The project maximized vegetated open space by creating land- and courtyard areas.

SUSTAINABLE SITES
Served by bus, subway and regional rail, Wachman Hall is well connected to the regional transit system. In 2015, 18% 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.

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

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

LOW EMITTING MATERIALS

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

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.

LOW EMITTING MATERIALS

Indoor Environmental Quality

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.

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Materials & Resources

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BICYCLE STORAGE & CHANGING ROOMS

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LOW EMITTING MATERIALS

During the construction process, 96% of all construction waste was recycled or processed.

CONSTRUCTION WASTE MANAGEMENT

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.

WATER BOTTLE REFILLING STATIONS

The project maintained vegetated space by creating land- and courtyard areas.

PUBLIC TRANSPORTATION ACCESS

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