2014 Capital Request



Higher Education Asset Preservation and Replacement (HEAPR)

Systemwide

Background

Aging buildings, new demands

- The University of Minnesota relies on more than 850 buildings across the state to fulfill its land-grant mission.
- These buildings, totaling 29 million square feet, house laboratories, clinics, classrooms, and large public spaces.
- Over 80,000 faculty, staff, students, and visitors use the Twin Cities campus buildings daily.
- 35% of buildings systemwide are more than 50 years old.

Project Description

Renew more than 70 U buildings on the Crookston, Duluth, Morris, and Twin Cities campuses and at research and field stations across Minnesota

HEAPR projects fall into four categories:

- Health, safety, and accessibility
- Building systems
- Utility infrastructure
- Energy efficiency



Mechanical Engineering's electrical system struggles to meet current demand.

Project examples

Install new HVAC, electrical, fire protection, and plumbing systems in Mechanical Engineering

- This project is the top priority for HEAPR funding; the building has not been renovated in 64 years.
- ME serves 1,200 students studying STEM degrees on the Twin Cities campus.
- ME alumni have founded more than 750 companies and are sought after by Minnesota companies like 3M and Cargill.
- Despite increasing demand, however, ME's antiquated building systems limit enrollment and activities.

#6stepsforward

2014 Capital Request

Install an elevator in Blakely Hall

• Built in 1920, this historic residence hall housed seventy students on the Morris campus.

• The campus master plan determined that Blakely Hall will best serve students by becoming classrooms and academic support space.

• To transform this space and increase accessibility, an elevator is required. Currently, Blakely does not have one.

Replace HVAC and electrical system in Heller Hall

• Duluth's Heller Hall, built in 1958, is home to geological science and computer science.

• Heller's HVAC renders some geological science labs unusable, since room temperatures reach 90 degrees.

• Limited power supply and patchwork

improvements over the years have left the network unsecure.

• Undergraduate enrollments in geological science and computer science have grown 24% and 25%, respectively, over the last three years.

• Heller cannot meet new demand.

Replace fire alarms in Phillips-Wangensteen Building

• PWB houses the Medical School in Minneapolis, serving over 2,000 students.

• 300,000 patients are seen annually at PWB clinics.

• PWB has two incompatible fire alarm systems from different eras and manufacturers.

• This project would replace the two systems with a modern one, increasing safety and ending costly maintenance.

Benefits

HEAPR is cheaper

• HEAPR funds support past investments by extending the life of U buildings and reducing operating costs.

• A full building renovation typically costs only 3/4 the price of a new building. Infrastructure improvements cost even less.

• HEAPR allows the U to preserve historic architecture.

HEAPR advances research and learning

- Increase enrollment in key programs.
- Receive more research grants.
- Attract top faculty and researchers.



HEAPR funds will increase accessibility for students in buildings like Blakely Hall.

Investment: \$100 million in state funding

For More Information http://z.umn.edu/6stepsforward

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