Higher Education Asset Preservation and Replacement (HEAPR)

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

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.
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.

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.

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.

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

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