

Project Title	2010 Agency Priority Ranking	Agency Project Request for State Funds (\$ by Session)				Governor's Recommendations 2010	Governor's Planning Estimate	
		2010	2012	2014	Total		2012	2014
HEAPR	1	\$100,000	\$100,000	\$100,000	\$300,000	\$0	\$0	\$0
Folwell Hall	2	24,333	0	0	24,333	0	0	0
American Indian Learning Resource Center	3	6,667	0	0	6,667	0	0	0
General Laboratory Renovation	3	6,667	6,667	6,667	20,001	0	0	0
Physics and Nanotechnology	3	53,333	0	0	53,333	0	0	0
<b>Total Project Requests</b>		\$191,000	\$106,667	\$106,667	\$404,334	\$0	\$0	\$0

## HEAPR

**2010 STATE APPROPRIATION REQUEST:** \$100,000,000

**AGENCY PROJECT PRIORITY:** 1 of 5

**PROJECT LOCATION:** Univ. Campuses, Research Centers & Field Stations

#### Project At A Glance

- ◆ Health and safety funds are used by the University of Minnesota to ensure a safe, accessible environment for students, employees, and visitors in its more than 800 buildings.
- ◆ Building systems funds extend the useful life of existing facilities and preserve their structural integrity by replacing building components like roofs, elevators, chillers, windows, and mechanical systems.
- ◆ Infrastructure funds reduce the risk to people and research caused by aging and unreliable systems.

#### Project Description

Higher Education Asset Preservation and Replacement (HEAPR) funds will be used system wide to maximize and extend the life of the University's existing physical plant. Individual projects will fall into one of four broad categories:

- ◆ Health, Safety, and Accessibility
- ◆ Building Systems
- ◆ Utility Infrastructure
- ◆ Energy Efficiency

#### Project Rationale

The University's capital budget principles emphasize investment in existing facilities and infrastructure to extend useful life and to ensure the health, safety, and well being of building occupants. All projects included in this HEAPR request are consistent with those principles and will improve the University's facilities in support of strategic goals. All projects are also

consistent with the statutory definition of HEAPR (M.S. 135A.046) which includes "code compliance, including health and safety, Americans with Disabilities Act requirements, hazardous material abatement, access improvement, or air quality improvement; or building or infrastructure repairs necessary to preserve the interior and exterior of existing buildings; or renewal to support the existing programmatic mission of the campuses." Individual projects have been identified through the University's capital planning process, and were prioritized according to established criteria.

#### Impact on Agency Operating Budgets (Facilities Notes)

HEAPR improvements to existing facilities will have negligible impact on the annual operation budget. No additional maintenance or program staff will result directly from these improvements.

The estimated annual repair and replacement cost for all HEAPR projects is \$4.0 million, fully effective in FY 2010. This amount is equivalent to the annual depreciation of the building components such as windows, roofs, walls, interiors, and mechanical, electrical, and plumbing systems.

#### Previous Appropriations for this Project

The University received \$30 million in 2006, \$35 million in 2006 and \$25 million in 2009. The University includes HEAPR in each biennial capital request.

#### Project Contact Person

Richard Pfitzenreuter, CFO and Treasurer  
 336a Morrill Hall  
 100 Church Street Southeast  
 Minneapolis, Minnesota 55455  
 Phone: (612) 625-4517  
 Fax: (612) 626-2278  
 Email: pfitz001@umn.edu

#### Governor's Recommendations (To be completed by MMB at a later date)

## Folwell Hall

**2010 STATE APPROPRIATION REQUEST:** \$24,333,000

**AGENCY PROJECT PRIORITY:** 2 of 5

**PROJECT LOCATION:** Minneapolis Campus

#### Project At A Glance

- ◆ This project will renovate the interior of Folwell Hall, one of the oldest buildings on campus, in the historic Knoll District.
- ◆ Improvements will create a multilingual and multicultural hub for the study and research of languages and literature.
- ◆ Folwell Hall will also provide technology-enhanced learning environments for the study of nearly 20 languages.

#### Project Description

This request is for funds to design and renovate the interior of Folwell Hall to modernize the teaching and research space for College of Liberal Arts programs. This project includes updating obsolete classrooms and provide modern learning environments that better support language learners. Exterior improvements required to stabilize the building shell, part of a separate project, was completed in the Spring of 2008.

#### Project Rationale

Folwell Hall was built in 1907. It is one of the oldest buildings on the University of Minnesota, Twin Cities campus and Folwell Hall is on the National Register of Historic Places. The instructional space in this iconic building is nearly as old—better suited for the teaching methods of 1910 rather than 2010. Renovating Folwell Hall will better support key academic programs in the College of Liberal Arts, most notably the foreign languages.

Currently 30 languages are taught at the University, 19 in Folwell Hall alone. Funds will be used to renovate the interior of Folwell Hall, providing technology-enhanced learning environments and research space. Exterior

improvements required to stabilize the building shell, part of a separate project, were completed in 2008. A renovated Folwell Hall will better serve students and the state by educating global citizens with effective communication skills across disciplines and cultures.

#### Impact on Agency Operating Budgets (Facilities Notes)

The approximately 112,000 gross square feet for Folwell Hall will not increase over its current operating expenses of \$660,000 per year. Infrastructure improvements such as modern HVAC systems may decrease long-term operating expenses. Any additional faculty and programmatic cost increases will be addressed by the University.

The estimated annual repair and replacement cost for this project is \$1.17 million. This amount is equivalent to the annual depreciation of building components, such as windows, roofs, walls, interiors, and mechanical, electrical, and plumbing systems.

#### Project Contact Person

Richard Pfutzenreuter, CFO and Treasurer  
 336a Morrill Hall  
 100 Church Street Southeast  
 Minneapolis, Minnesota 55455  
 Phone: (612) 625-4517  
 Fax: (612) 626-2278  
 Email: pfutz001@umn.edu

#### Governor's Recommendations (To be completed by MMB at a later date)

## American Indian Learning Resource Center

**2010 STATE APPROPRIATION REQUEST:** \$6,667,000

**AGENCY PROJECT PRIORITY:** 3 of 5

**PROJECT LOCATION:** University of Minnesota Duluth Campus

#### Project At A Glance

- ◆ The American Indian Learning Resource Center exists to enrich the cultural, academic, supportive, and social environment of the UMD campus.
- ◆ Its mission is to increase the recruitment and retention of American Indian and Alaskan Native students, while promoting a more culturally diverse campus environment.
- ◆ The new facility will help this important program improve its services and serve more American Indian students.

#### Project Description

This request is for funds to construct an American Indian Learning Resource Center at the University of Minnesota, Duluth. Seventeen programs, scattered throughout campus, will be co-located in this new facility. American Indians comprise the largest minority population at UMD and UMD's program is one of the largest American Indian programs in the country. The campus' strong support system has resulted in graduation rates significantly higher than national norms. This new center will house both academic and student service programs, classrooms, a computer lab, conference rooms, a Great Room for large gatherings, and support offices for both faculty and students.

#### Project Rationale

American Indians comprise the largest minority population on the UMD campus. UMD has developed a strong support system which results in graduation rates significantly higher than national norms. Its outreach activities include a teacher education program at Fond du Lac Community College and an early childhood education program at Red Cliff Indian

Reservation in Wisconsin. This facility would provide a strong sense of identity for American Indian students on campus. Other institutions which have created such a space have found it to be extremely beneficial in meeting academic achievement goals.

The American Indian Learning Resource Center exists to enrich the cultural, academic, supportive, and social environment of the UMD campus with a mission to increase the recruitment and retention of American Indian and Alaskan Native students, while promoting a more culturally diverse campus environment. Currently, facilities and services serving UMD's American Indian population is spread throughout the UMD campus in a variety of buildings.

The new American Indian Learning Resource Center will consolidate programs serving the American Indian population into a conveniently located facility and will provide services and facilities for both academic and student service programs. These facilities will include new classrooms, computer labs, conference rooms, a great room, and support offices for both faculty and student service programs. By consolidating these functions in one location, the American Indian student population can be better served by the University of Minnesota.

#### Impact on Agency Operating Budgets (Facilities Notes)

It is estimated that the American Indian Learning Resource Center will increase the University of Minnesota-Duluth's operating budget by \$184,000 per year.

#### Previous Appropriations for this Project

None

#### Other Considerations

**Project Contact Person**

Richard Pfutzenreuter  
CFO and Treasurer  
336a Morrill Hall  
100 Church Street Southeast  
Minneapolis, Minnesota 55455  
Phone: (612) 625-4517  
Fax: (612) 626-2278  
E-mail: pfutz001@tc.umn.edu

**Governor's Recommendations (To be completed by MMB at a later date)**

## General Laboratory Renovation

**2010 STATE APPROPRIATION REQUEST:** \$6,667,000

**AGENCY PROJECT PRIORITY:** 3 of 5

**PROJECT LOCATION:** System-wide

#### Project At A Glance

- ◆ This project will improve and upgrade laboratory facilities system wide.
- ◆ Updated research facilities are critical to continuing the University of Minnesota's strong record of research discoveries.
- ◆ Updated research laboratories provide the margin-of-excellence that is needed to attract and retain top researchers and competitive grant awards, both vital to the University's national competitiveness.

#### Project Description

This request is for funds to be used on all campuses, in making targeted, strategic investments in research laboratory space to improve the University's national competitiveness and enhance faculty recruitment and retention.

#### Project Rationale

Modern research facilities are essential to the University's ability to recruit and retain exceptional researchers; without state-of-the-art laboratories in which to conduct their research, faculty will choose other institutions with better facilities. Research funding and national competitiveness depend upon an institution's researchers, and state-of-the-art laboratories are the foundation of the solid research program at the University of Minnesota.

#### Impact on Agency Operating Budgets (Facilities Notes)

Due to the fact that these laboratories are housed in existing University of Minnesota buildings, there will be no additional calculated operating costs.

Any additional faculty and programmatic cost increases will be addressed by the University.

The estimated annual repair and replacement cost for this project is \$1 million. This amount is equivalent to the annual depreciation of the laboratory components such as interiors, mechanical, electrical, and plumbing systems.

#### Previous Appropriations for this Project

The University received \$5 million for lab improvements in 2008.

#### Project Contact Person

Richard Pfutzenreuter, CFO and Treasurer  
 336a Morrill Hall  
 100 Church Street Southeast  
 Minneapolis, Minnesota 55455  
 Phone: (612) 625-4517  
 Fax: (612) 626-2278  
 Email: pfutz001@umn.edu

**Governor's Recommendations (To be completed by MMB at a later date)**

## Physics and Nanotechnology

**2010 STATE APPROPRIATION REQUEST:** \$53,333,000

**AGENCY PROJECT PRIORITY:** 3 of 5

**PROJECT LOCATION:**

#### Project At A Glance

- ◆ The physics program in the School of Physics and Astronomy is a core department of the Institute of Technology and an integral component of Science Technology Engineering and Math (STEM) education.
- ◆ The current Physics building is obsolete for the kind of work being done in cutting edge high technology fields.
- ◆ The facility will include flexible, state-of-the-art research laboratories; a 5,000 square foot clean room dedicated to nanotechnology; and student meeting space.
- ◆ The building, to be located directly north of the Scholars Walk, will house 200 faculty, postdoc, graduate, and visiting researchers.

#### Project Description

The physics program in the School of Physics and Astronomy is a core department of the Institute of Technology. Many current discoveries in physics inform research in nanotechnology, a highly multidisciplinary field. This request is to design and construct a new building to house the research branch of the physics program and the Center for Nanostructure Applications, thereby fostering connections and related research. The facility will include flexible, state-of-the-art research laboratories; a 5,000 square foot clean room dedicated to nanotechnology; and student meeting space. The building, to be located directly north of the Scholars Walk, will house 200 faculty, postdoc, graduate, and visiting researchers.

#### Project Rationale

Current physics laboratories are nearly 80 years old and obsolete compared with other comparable Physics Departments. A new

physics facility will allow the department to continue to grow and recruit the best students and faculty. Co-locating physics and nanotechnology will foster connections and allow for increased collaboration between these two vitally important research fields.

#### Impact on Agency Operating Budgets (Facilities Notes)

It is estimated that operating expenses of \$2.25 million per year will be needed to operate and manage the Physics and Nanotechnology building.

#### Previous Appropriations for this Project

None

#### Other Considerations

#### Project Contact Person

Richard Pfutzenreuter, CFO and Treasurer  
 336a Morrill Hall  
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 Minneapolis, Minnesota 55455  
 Phone: (612) 625-4517  
 Fax: (612) 626-2278  
 Email: pfutz001@umn.edu

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