University of Minnesota

Projects Summary

($ in Thousands)

Project Title	2014 Agency Priority Ranking	Agency Project Request for State Funds ($ by Session)				Governor's Recommendations 2014	Governor's Planning Estimate	
		2014	2016	2018	Total		2016	2018
HEAPR	1	$100,000	$70,000	$70,000	$240,000	$0	$0	$0
Tate Sciences and Teaching Renovation	2	56,700	0	0	56,700	0	0	0
Plant and Animal Science Building	3	30,000	0	0	30,000	0	0	0
Crookston Wellness Center	4	10,000	0	0	10,000	0	0	0
Research Laboratory Improvement Fund	5	12,000	0	0	12,000	0	0	0
Chemical Sciences and Advanced Materials Building	6	24,000	0	0	24,000	0	0	0
Total Project Requests		$232,700	$70,000	$70,000	$372,700	$0	$0	$0

2014 STATE APPROPRIATION REQUEST: $100,000,000

AGENCY PROJECT PRIORITY: 1 of 6

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.
- Strategic investments improve energy efficiency and reduce long term operating costs.

Project Description
The $100 million in 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 mission will be compromised without continued, sustained investment in buildings and infrastructure. 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 request are consistent with the statutory definition of HEAPR (M.S. Sec. 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 and prioritized through the University's Facility Condition Assessment (FCA) process. The FCA is a comprehensive evaluation of the condition of the University of Minnesota's campus facilities and infrastructure portfolio. FCA data is used to triage existing buildings into those that need long-term investments, those that need short-term investments and those where no investment is required, in alignment with academic priorities.

Impact on Agency Operating Budgets (Facilities Notes)
HEAPR improvements to existing facilities will have negligible impact on the annual operating budget. No additional maintenance or program staff will result directly from these improvements.

Previous Appropriations for this Project
The University received $25 million in 2009, $56 million in 2010, $25 million in 2011 and $50 million in 2012. The University includes HEAPR in each biennial capital request.

Project Contact Person

Pamela Wheelock, Vice President
317 Morrill Hall
100 Church Street Southeast
Minneapolis, Minnesota 55455
Phone: (612) 624-3557
Email: wheelock@umn.edu

Tate Sciences and Teaching Renovation

2014 STATE APPROPRIATION REQUEST: $56,700,000

AGENCY PROJECT PRIORITY: 2 of 6

Project At A Glance

- Rehabilitates the historic 1926 Tate Laboratory of Physics for continued use by the College of Science & Engineering.
- Consolidates the Earth Sciences Department onto one building.
- Upgrades the existing instructional labs, classrooms, and auditoria.
- Upgrades the building's structural, HVAC, and electrical infrastructure.

Project Description
This $85 million project will renovate the existing 200,000 square foot Tate Laboratory of Physics building after the Physics & Nanotechnology Building, funded in 2011, is completed. Upon its completion, Tate will be the new home for the School of Earth Sciences (allowing for its move out of Pillsbury Hall which is not suited for scientific research labs) as well as provide updated space for the remaining units from the School of Physics and Astronomy.

Project Rationale
With the construction of the Physics and Nanotechnology building, Tate Laboratory of Physics will be a partially occupied building with obsolete labs, inflexible classrooms, and an antiquated infrastructure. This project will create vibrant, flexible spaces for the delivery of enhanced research and support services to the School of Physics and Astronomy and the School of Earth Sciences, while providing well-designed, modern, and flexible classrooms for physics and earth sciences instruction. In addition, the project will ensure that Tate remains a contributing component of the Northrop Mall Historic District.

Impact on Agency Operating Budgets (Facilities Notes)
TBD

Previous Appropriations for this Project
None

Project Contact Person

Pamela Wheelock, Vice President
317 Morrill Hall
100 Church Street Southeast
Minneapolis, Minnesota 55455
Phone: (612) 624-3557
Email: wheelock@umn.edu

Plant and Animal Science Building

2014 STATE APPROPRIATION REQUEST: $30,000,000

AGENCY PROJECT PRIORITY: 3 of 6

Project At A Glance

- Constructs a new research laboratory facility for 25 to 35 principal investigators.
- Replaces or upgrades existing research laboratories for three colleges: College of Biological Sciences, College of Food, Agriculture and Natural Sciences and College of Veterinary Medicine.
- Provides flexible, collaborative laboratories that are shared by scientists engaged in related research.
- Advances plans to decommission obsolete space and buildings

Project Description

This project will construct a new laboratory building on the St. Paul Campus. The new facility will accommodate 25 – 35 principal investigators in microbiology-focused fields such as plant pathology, animal infectious diseases, microbial systems & synthetic biology, and fungal evolution. This project will maximize investments in labs by providing only collaboration space and flexible work stations for office needs instead of traditional, assigned, individual offices. The project will allow the University to decommission one or possibly two existing obsolete facilities.

Project Rationale

The utilization of existing research space is inhibited by out-of-date laboratory designs and condition of labs. Aging buildings are unable to support recommended space allocations per researcher and very few lab buildings on the St. Paul Campus meet an acceptable condition level.

Shared laboratory facilities will provide a research environment that optimizes interaction and collaboration between microbial scientists in College of Biological Sciences, College of Food, Agriculture and Natural Sciences and College of Veterinary Medicine.

Impact on Agency Operating Budgets (Facilities Notes)

TBD

Previous Appropriations for this Project

None.

Project Contact Person

Pamela Wheelock, Vice President
317 Morrill Hall
100 Church Street Southeast
Minneapolis, Minnesota 55455
Phone: (612) 624-3557
Email: wheelock@umn.edu

2014 STATE APPROPRIATION REQUEST: $10,000,000

AGENCY PROJECT PRIORITY: 4 of 6

Project At A Glance

- Wellness facilities are crucial for the recruitment and retention of students.
- The present facility is inadequate and almost completely inaccessible for non-student athletes.
- The number of on-campus students is currently 1,200 – 700 of whom live in campus residence halls. This represents a significant growth since the current Sports Center facility was built in 1980.
- A new facility is repeatedly stated as the students' highest priority need for the campus.

Project Description
This request is for funds to design, renovate, and expand the existing campus wellness/recreation center at the Crookston campus. The current facility can no longer support the activities of students, student-athletes, and the Crookston community as a shared use facility. The project is anticipated to renovate existing space and provide newly constructed facilities.

Project Rationale
The purpose of the expansion is to support the academic mission of the University by providing a supportive facility that enriches campus life and fosters a sense of social integration and commitment to the campus. As a focal point for student and staff activity on campus, the center will provide a place to teach and learn behaviors that are conducive to a healthy lifestyle. Healthy lifestyle choices built on the seven dimensions of wellness will be the common thread of programming and services offered by the Center.

The facility will be used as a laboratory for the Sport and Recreation Management major and Coaching minor on campus. It will provide students numerous opportunities to gain valuable hands-on internship experiences in facility management, event management, intramural and recreational programming, group fitness and individual training, and coaching and officiating.

Impact on Agency Operating Budgets (Facilities Notes)
TBD

Previous Appropriations for this Project

None.

Project Contact Person

Pamela Wheelock, Vice President
317 Morrill Hall
100 Church Street Southeast
Minneapolis, Minnesota 55455
Phone: (612) 624-3557
Email: wheelock@umn.eduu

Research Laboratory Improvement Fund

2014 STATE APPROPRIATION REQUEST: $12,000,000

AGENCY PROJECT PRIORITY: 5 of 6

Project At A Glance

- Updated research facilities are critical to continuing the University of Minnesota's strong record of research discoveries.
- This project will improve and upgrade laboratory facilities system wide, replace obsolete greenhouse, and fund improvements in the invasive species research center.
- Updated research laboratories are needed to conduct cutting edge research, to attract and retain top researchers and to win competitive grant awards, all 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 provide cutting edge technology in laboratory facilities, to improve the University's national competitiveness, and enhance faculty recruitment and retention.

Funding will be used to replace the University's existing honeybee research facility in the College of Food, Agriculture and Natural Resources, to replace obsolete greenhouses in the College of Biological Sciences, and to support continued improvements to the Aquatic Invasive Species research center. The remaining funds will be used system-wide for targeted, strategic investments in research laboratory space that will provide the margin-of-excellence that is needed to attract and retain top researchers or to obtain competitively awarded sponsored research grants.

Project Rationale
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)
TBD

Previous Appropriations for this Project
The University received $3.3 million for lab improvements in 2008 and $6.7 million in 2010.

Project Contact Person

Pamela Wheelock, Vice President
317 Morrill Hall
100 Church Street Southeast
Minneapolis, Minnesota 55455
Phone: (612) 624-3557
Email: wheelock@umn.edu

Chemical Sciences and Advanced Materials Building

2014 STATE APPROPRIATION REQUEST: $24,000,000

AGENCY PROJECT PRIORITY: 6 of 6

Project At A Glance

- This project will develop active learning classrooms of varying sizes to meet a variety of pedagogy needs.
- Student Services and education program offices and faculty offices will also be integrated into the project.
- The project will allow the campus to improve its learning environment and expand its signature programs to meet student demand.

Project Description

This project would develop a new facility to meet the future teaching, research and learning needs of the University of Minnesota-Duluth campus. Key attributes of the envisioned facility include the following: active learning classrooms of varying sizes to provide flexible space use; open student gathering and work spaces; teaching and research laboratories, faculty office space scattered throughout the facility to encourage faculty-student interaction; Student services and educational program offices.

Project Rationale

The purpose of this project is to create learning environments that support continued enrollment growth and student recruitment on the Duluth campus. UMD leadership is developing a coordinated strategy to expand capacity so that successful programs strongly related to the campus brand may continue to grow. This project will respond to the campus' academic priorities in alignment with the goal of improving the learning experience and reinforcing the value of the campus brand.

Impact on Agency Operating Budgets (Facilities Notes)

TBD

Previous Appropriations for this Project

None

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Email: wheelock@umn.edu