Preserving Our Campuses to Create Opportunity

2018 CAPITAL REQUEST

MinnState.edu · #MinnStatePriority1

MINNESOTA STATE

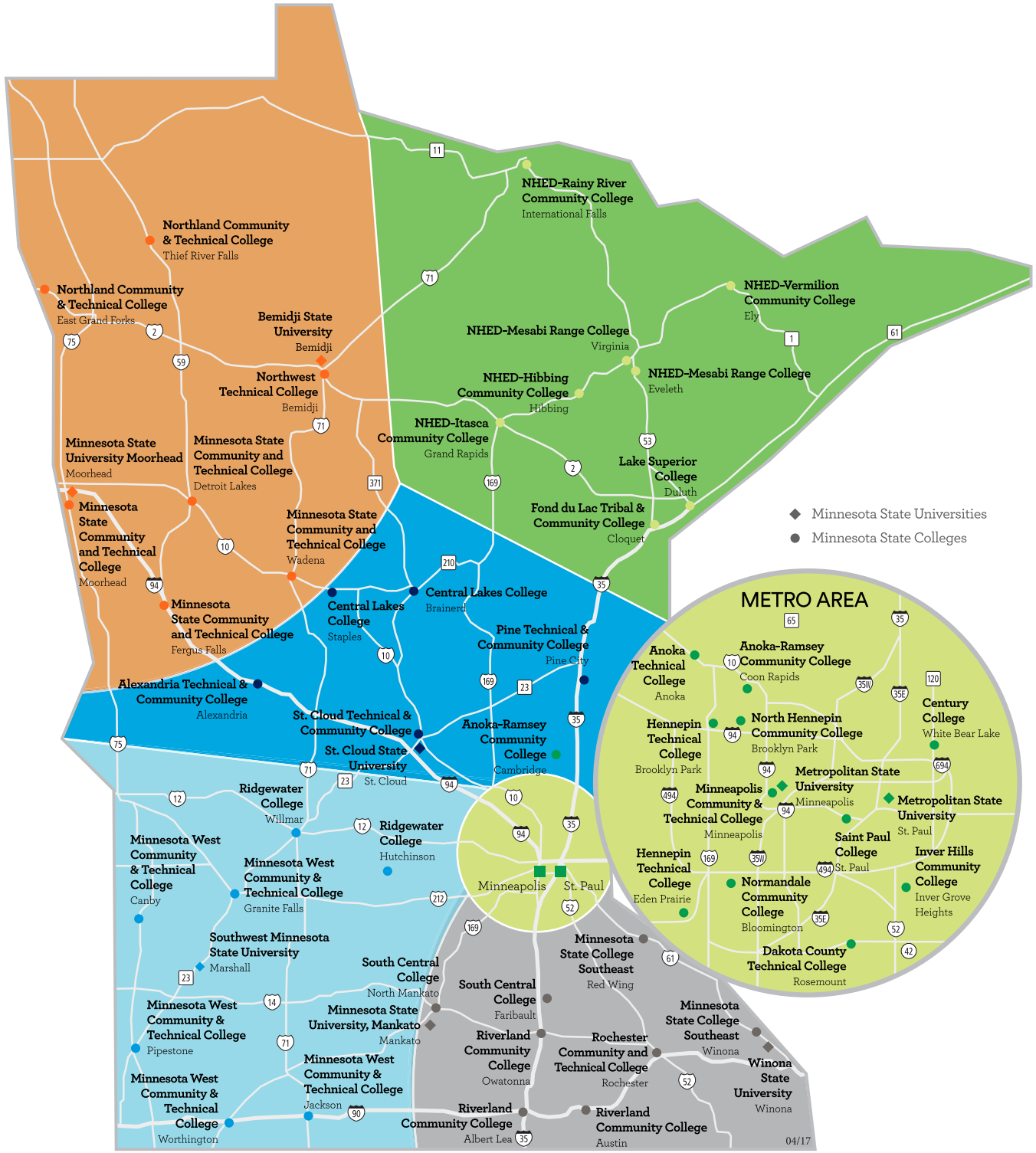
Extraordinary Education. Exceptional Value.

COLLEGES

Alexandria Technical & Community College
Anoka Technical College
Anoka-Ramsey Community College
Central Lakes College
Century College
Dakota County Technical College
Fond du Lac Tribal & Community College
Hennepin Technical College
Hibbing Community College
Inver Hills Community College
Itasca Community College
Lake Superior College
Mesabi Range College
Minneapolis Community & Technical College
Minnesota State College Southeast
Minnesota State Community and Technical College
Minnesota West Community & Technical College
Normandale Community College
North Hennepin Community College
Northland Community & Technical College
Northwest Technical College
Pine Technical & Community College
Rainy River Community College
Ridgewater College
Riverland Community College
Rochester Community and Technical College
Saint Paul College
South Central College
St. Cloud Technical & Community College
Vermilion Community College

UNIVERSITIES

Bemidji State University
Metropolitan State University
Minnesota State University, Mankato
Minnesota State University Moorhead
Southwest Minnesota State University
St. Cloud State University
Winona State University



LETTER TO MINNESOTA

On behalf of more than 375,000 students and our 54 campuses across the state,

we are grateful for the time you have spent at our colleges and universities and for your investment in Minnesota State. Thanks to your steadfast support, our colleges and universities can provide all Minnesotans with access to learning environments equipped with the tools and technology that prepare our students to thrive in a changing economy and society.

Priority #1 is taking care of the assets already on our campuses. We respectfully ask for specific attention to our $130 million request for asset preservation and replacement funding that will address critical needs at every one of our colleges and universities. The average age of our buildings is nearly 40 years old, reflecting an ever-growing need to replace leaking roofs, overhaul boilers, or repair decaying brick and concrete. These aren't shiny projects but they're absolutely vital to our stewardship of the buildings Minnesotans have placed in our care.

Also for your consideration is a building program of 15 projects on campuses in nearly every region of the state. They represent our most pressing needs, including:

- providing science, technology, engineering, math, allied health, technical, business and education classrooms and labs;
- enhancing student support services to increase student success;
- maintaining and improving existing facilities and reducing deferred maintenance.

Our request for $193.0 million in state support, along with $31.5 million from college and university resources, will enable a $224.5 million strategic capital investment program that has a statewide impact at 37 colleges and universities that share a common, powerful goal: the success of our students.

Thank you for your consideration and support.

Michael Vekich, *Board of Trustees Chair*

Devinder Malhotra, *Chancellor*

About Minnesota State

Your 30 state colleges and 7 state universities educate more than 375,000 students from every part of Minnesota each year. We offer knowledge and skills that are essential to helping our students find high-demand, well-paying jobs and keeping Minnesota's economy strong.

A vital element in providing an extraordinary education is offering facilities that offer students an academic environment where they can learn and develop their skills. With that in mind, our 2018 Capital Budget Request is focused on keeping our students safe and ensuring they have the learning spaces they need for success.

Our core value

» Provide an opportunity for all Minnesotans to create a better future for themselves, for their families, and for their communities

Our core commitments

» Ensure access to an extraordinary education for all Minnesotans

» Deliver to students, employers, communities, and taxpayers the highest value/most affordable higher education option

» Serve as employers' partner of choice to meet Minnesota's workforce and community needs

EXTRAORDINARY FACTS

375,000+ students served annually, including:

- **63,616** students of color and American Indian students
- **48,500** first-generation students
- **84,000** low-income students
- **10,000** veterans and service members

3,700+ academic programs offered

15,403 customized and specialized training, occupational, and professional classes offered

65% of all Minnesota undergraduates are served by Minnesota State

40,000 degrees, certificates, and diplomas awarded annually

87% of graduates find a job related to their field of study within one year of graduation

87% of credit students are Minnesota residents

81% of graduates are employed or continuing their education in Minnesota after graduation

About the Capital Budget

The Minnesota State 2018 Capital Budget Request will:

- Take care of what we have through asset preservation
- Respond to changing learning strategies of our students
- Emphasize adaptive reuse of space in all our projects
- Replace and update obsolete classrooms and labs with modern, efficient learning spaces

BY THE NUMBERS

37 state colleges and universities on **54** campuses in **47** Minnesota communities

843 academic buildings with **2,250** classrooms and **1,625** labs in operation

301 acres of roofs, roughly equivalent to 228 football fields

2,600 different pieces of HVAC equipment, such as boilers and air handlers

28 million square feet of total facility space, about one-third of the total square footage of state public buildings – equivalent to five Malls of America

22 million square feet dedicated to academic and student support space

6 million square feet of residence halls, student unions, health/wellness centers, and parking ramps, which are not part of bonding bill requests

Source: EMS Campus/ISRS

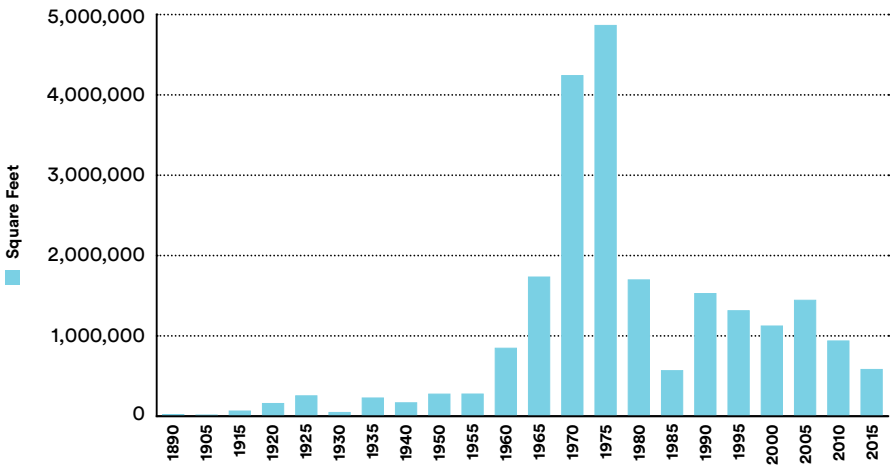
Why We Need Your Support

IF FULLY FUNDED, THE 2018 CAPITAL BUDGET WOULD:

- Renovate and renew over 500,000 square feet on campuses impacting nearly one-half of Minnesota State total enrollment (47%)
- Remove over 75,000 square feet of obsolete space and replace with better, more effective space
- Replace and upgrade building components and infrastructure during capital project work that will reduce overall backlog by more than $56 million or approximately 6.6%
- Positively impact over 230 classrooms and labs on colleges and universities throughout the state

APPROACHING MIDDLE AGE

The majority of Minnesota State's buildings and related systems were built between 1965 and 1975, and most are "middle-aged." While well-kept, they are less efficient than newer buildings.



Showing five-year construction summary by square footage (e.g., 2015 represents buildings built between 2011 and 2015). Source: Capital Renewal (FRRM), Sightlines (as of June 30, 2016).

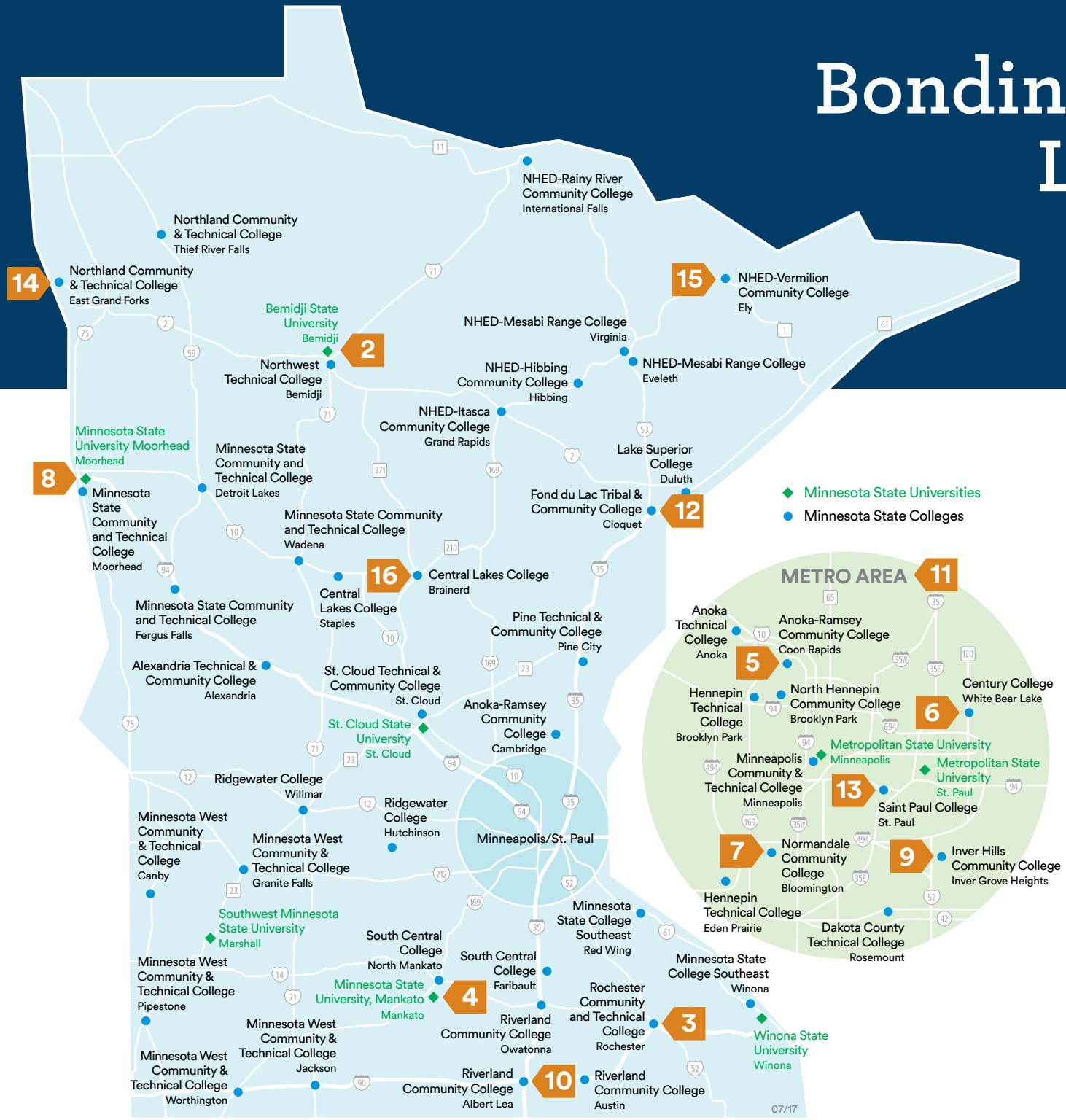
CAPITAL BUDGET PRIORITIES

The Minnesota State 2018 Capital Budget Request includes $94.5 million (representing $63 million of state support and $31.5 million of Minnesota State support) for individual capital projects built upon the system's overall strategic goals of ensuring access to an extraordinary education at an exceptional value and making our system the partner of choice for Minnesota employers to develop the talent needed for the jobs of the future.

The system capital budget process involves:

- **Setting Priorities.** The Board of Trustees approves capital budget guidelines, which set priorities for the colleges and universities in the next capital budget cycle.
- **Relying on Plans.** Colleges and universities draw upon their comprehensive facilities plans for their capital project requests and prepare predesigns to describe their specific request.
- **Collecting Requests.** In an average biennium, the system considers $250–$400 million worth of capital requests and more than $300 million of asset preservation and replacement requests for its colleges and universities.
- **Sorting it all out.** To help prioritize what gets included on the final list, more than 100 individuals across our colleges and universities engage in a capital scoring process unique among higher education systems.

Bonding Project Locations



IF FUNDED, THE 2018 CAPITAL BUDGET WOULD IMPACT:

16 cities
not including HEAPR work

16 campuses

3 universities

13 colleges

2018 Capital Budget Priority List

PRIORITY	PROJECT DESCRIPTION	COST (IN MILLIONS)	PAGE
1	**Higher Education Asset Preservation and Replacement (HEAPR)** – STATEWIDE	$130.0	8
2	**Bemidji State University** · Academic Learning Center (Hagg-Sauer Replacement) DESIGN · DEMOLITION · RENOVATION · CONSTRUCTION – BEMIDJI	$22.5	13
3	**Rochester Community and Technical College** · Memorial and Plaza Halls DESIGN · DEMOLITION · RENOVATION · CONSTRUCTION – ROCHESTER	$22.9	13
4	**Minnesota State University, Mankato** · Clinical Sciences Phase II RENOVATION – MANKATO	$6.5	14
5	**Anoka-Ramsey Community College** · Nursing and Business DESIGN – COON RAPIDS	$0.6	14
6	**Century College** · Applied Technology Center DESIGN · RENOVATION – MAHTOMEDI	$6.4	15
7	**Normandale Community College** · Classroom and Student Services DESIGN · RENOVATION – BLOOMINGTON	$12.6	15
8	**Minnesota State University Moorhead** · Weld Hall DESIGN – MOORHEAD	$0.6	16
9	**Inver Hills Community College** · Technology and Business Center DESIGN – INVER GROVE HEIGHTS	$0.7	16
10	**Riverland Community College** · Transportation, Trade, and Industrial Education Center DESIGN · CONSTRUCTION · RENOVATION – ALBERT LEA	$10.1	17
11	**Baccalaureate Expansion** DESIGN · RENOVATION – MINNEAPOLIS, BROOKLYN PARK, BLOOMINGTON	$4.3	17
12	**Fond du Lac Tribal & Community College** · Maajiigi (Start to Grow) DESIGN · RENOVATION – CLOQUET	$1.2	18
13	**Saint Paul College** · Academic Excellence DESIGN – ST. PAUL	$1.0	18
14	**Northland Community & Technical College** · Effective Teaching and Learning Labs DESIGN · RENOVATION – EAST GRAND FORKS	$2.4	19
15	**Vermilion Community College** · Classroom Building DESIGN · RENOVATION – ELY	$2.3	19
16	**Central Lakes College** · Student Services and Academic Support DESIGN – BRAINERD	$0.5	20

TOTAL	**$224.5**
STATE SUPPORT	**$193.0**
MINNESOTA STATE FINANCED	**$31.5**

Asset Preservation and Replacement

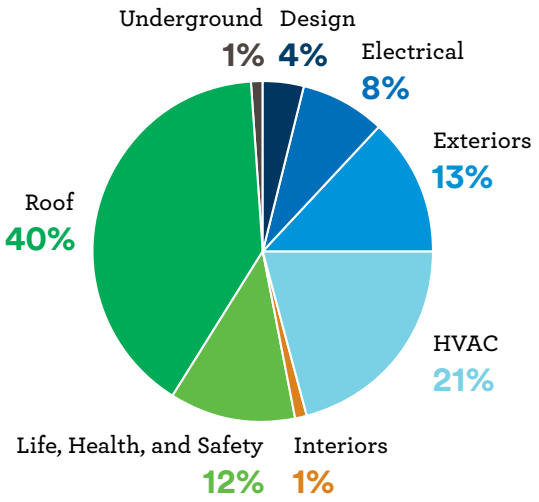
SUMMARY

Minnesota State seeks $130 million in Higher Education Asset Preservation and Replacement (HEAPR) funding for repair and replacement of building systems at its 54 campus locations. This request includes repair and replacement of roofs and exterior building envelopes, plumbing and electrical systems, heating, ventilation and air conditioning (HVAC), and corrects life safety and code matters.

WHY IS ASSET PRESERVATION AND REPLACEMENT (HEAPR) FUNDING CRUCIAL?

- Keeps students safe, warm, and dry
- Ensures that campus operating dollars are dedicated to improving educational outcomes instead of repairing buildings
- Reduces total cost of ownership through operating efficiencies
- Reduces the system's immediate deferred maintenance outlook (currently $913 million and climbing)
- Meets state and system objectives for creating sustainable buildings

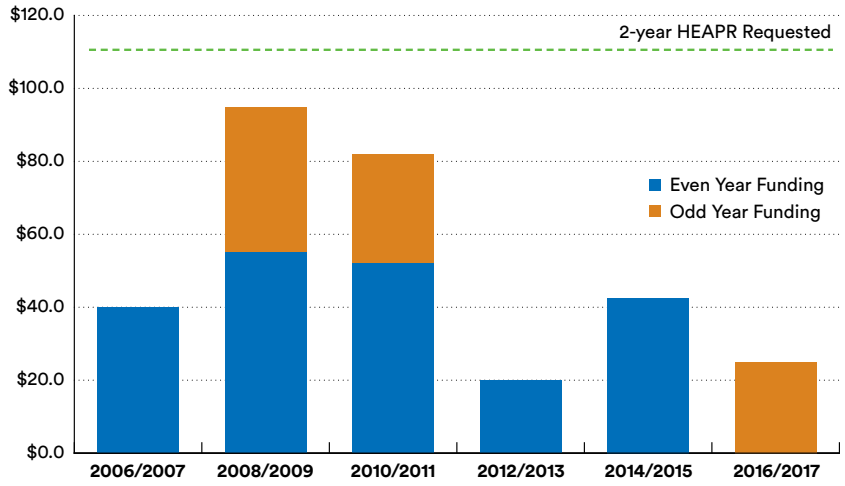
CATEGORIES OF HEAPR WORK FOR 2018



ASSET PRESERVATION AND REPLACEMENT (HEAPR) FUNDING HISTORY

Since the 2006 capital bonding session, Minnesota State has sought $110 million in HEAPR funding over a two-year period. Two-year total HEAPR funding has averaged $50.8 million or 46% of the requested amount.

HEAPR FUNDING HISTORY 2007–2017 (IN MILLIONS)



LOOKING AHEAD
AT DEFERRED MAINTENANCE NEEDS

$913 million needed to bring building systems out of backlog status

+ $1.1 billion needed in the next 10 years to replace or update building systems scheduled to reach the end of their useful life

$2.0 billion needed over the next 10 years to address Minnesota State's backlog renewal need

FORECASTED NEEDS BY CATEGORY

Estimated need by major building system categories in the future (next 10 years):

27% Building envelope: roof, walls, foundations, and window replacement and repairs

36% Heating, ventilation, and cooling (HVAC) replacements

20% Mechanical, plumbing, and electrical system upgrades

4% Life, health, and safety and code compliance (hazardous materials abatement, OSHA)

13% Renewal and emerging needs

LEGISLATIVE INVESTMENT SCENARIOS FOR HEAPR

$0 PER BIENNIUM INVESTMENT
» Facility conditions degrade by 50%; backlog grows to $2 billion in 10 years

$50 MILLION PER BIENNIUM INVESTMENT (HISTORICAL LEVEL)
» Facility conditions degrade by 18%; backlog grows to $1.6 billion in 10 years

$100 MILLION PER BIENNIUM INVESTMENT
» Facility conditions are maintained at their current levels

$130 MILLION PER BIENNIUM INVESTMENT (2018 REQUEST)
» Facility conditions begin a path to improvement

$240 MILLION PER BIENNIUM INVESTMENT
» Facility conditions improve by 50% to excellent condition

REINVESTMENT STRATEGY

State budget guidelines for repair and betterment recommend an annual reinvestment of at least 1% of the current replacement value of buildings. Based on the age of college and university buildings, Minnesota State has outlined its repair and betterment strategy in the chart below. Two of the three (HEAPR and capital project) funding sources are dependent on the successful outcome of a bonding bill.

	BIENNIUM	YEAR
HEAPR	$130 million	$65 million/year
Capital Projects (est. backlog reduction)	$56 million	$28 million/year
Average campus R&R spending	$66 million	$33 million/year

AT-A-GLANCE: 2018 Asset Preservation and Replacement Projects

As of August 1, 2017

Alexandria Technical & Community College

PRIORITY PROJECTS: HVAC; Roof; Energy
ESTIMATED HEAPR ALLOCATION: $8.1 million
RISK OF CONTINUED DISREPAIR: Energy inefficiency, increased operating expenses, water damage, electrical failure

Anoka-Ramsey Community College and Anoka Technical College

PRIORITY PROJECTS: Electrical; HVAC; Roof
ESTIMATED HEAPR ALLOCATION: $7.0 million
RISK OF CONTINUED DISREPAIR: Electrical fires, water damage, energy inefficiency

Bemidji State University

PRIORITY PROJECTS: Energy; Life, Health, and Safety; Roof
ESTIMATED HEAPR ALLOCATION: $5.4 million
RISK OF CONTINUED DISREPAIR: Energy inefficiency, increased operating expenses, mold, student safety

Central Lakes College

PRIORITY PROJECTS: HVAC; Roof
ESTIMATED HEAPR ALLOCATION: $7.5 million
RISK OF CONTINUED DISREPAIR: Water leaks and damage, energy inefficiency, increased operating expenses

Century College

PRIORITY PROJECTS: Exteriors; Roof
ESTIMATED HEAPR ALLOCATION: $8.1 million
RISK OF CONTINUED DISREPAIR: Damage to classrooms and equipment, water damage, mold

Dakota County Technical College

PRIORITY PROJECTS: HVAC; Life, Health, and Safety; Roof
ESTIMATED HEAPR ALLOCATION: $2.8 million
RISK OF CONTINUED DISREPAIR: Inadequate ventilation, water damage, mold

Fond du Lac Tribal & Community College

PRIORITY PROJECTS: Energy; HVAC
ESTIMATED COSTS: $300,000
RISK OF CONTINUED DISREPAIR: Energy inefficiency, increased operating expenses

Hennepin Technical College

PRIORITY PROJECT: Roofs
ESTIMATED HEAPR ALLOCATION: $4.0 million
RISK OF CONTINUED DISREPAIR: Water leaks, interior damage, mold

Inver Hills Community College

PRIORITY PROJECTS: Electrical; HVAC; Roof
ESTIMATED HEAPR ALLOCATION: $5.9 million
RISK OF CONTINUED DISREPAIR: Electrical fires, mold, frequent power outages

Lake Superior College

PRIORITY PROJECTS: Exteriors; Roof
ESTIMATED HEAPR ALLOCATION: $6.0 million
RISK OF CONTINUED DISREPAIR: Water leaks, water damage, interior damage

Metropolitan State University

PRIORITY PROJECTS: Life, Health, and Safety
ESTIMATED HEAPR ALLOCATION: $1.3 million
RISK OF CONTINUED DISREPAIR: ADA compliance/accommodations

WINONA: Phelps Hall roof leak

ANOKA: roof repair

WHITE BEAR LAKE: CMU damage

GRAND RAPIDS: roof leak

MINNEAPOLIS: roof leak

STAPLES: heat exchanger

WADENA: boilers

Minneapolis Community & Technical College

PRIORITY PROJECTS: Exteriors; Life, Health, and Safety; Roof
ESTIMATED HEAPR ALLOCATION: $8.7 million
RISK OF CONTINUED DISREPAIR: Interior damage, water damage, mold

Minnesota State College Southeast

PRIORITY PROJECTS: Electrical; Roof
ESTIMATED HEAPR ALLOCATION: $1.2 million
RISK OF CONTINUED DISREPAIR: Electrical fire, water damage, mold

Minnesota State Community and Technical College (M State)

PRIORITY PROJECTS: HVAC; Life, Health, and Safety
ESTIMATED HEAPR ALLOCATION: $1.7 million
RISK OF CONTINUED DISREPAIR: Energy inefficiency, increased operating expenses

Minnesota State University, Mankato

PRIORITY PROJECTS: Exterior; Interior; Mechanical/Electrical; Roof
ESTIMATED HEAPR ALLOCATION: $3.1 million
RISK OF CONTINUED DISREPAIR: Electrical fire, mold, water damage

Minnesota State University Moorhead

PRIORITY PROJECTS: Exterior; HVAC; Roof
ESTIMATED HEAPR ALLOCATION: $8.7 million
RISK OF CONTINUED DISREPAIR: Interior damage, mold, water damage

Minnesota West Community & Technical College

PRIORITY PROJECTS: Roof; Life, Health, and Safety; HVAC
ESTIMATED HEAPR ALLOCATION: $4.2 million
RISK OF CONTINUED DISREPAIR: Inadequate ventilation, water damage, energy inefficiency, increased operating expenses

NHED – Itasca Community College

PRIORITY PROJECTS: Exterior; Roof
ESTIMATED HEAPR ALLOCATION: $2.6 million
RISK OF CONTINUED DISREPAIR: Water damage, roof failures, mold

NHED – Mesabi Range

PRIORITY PROJECTS: Exterior; Roof
ESTIMATED HEAPR ALLOCATION: $1.4 million
RISK OF CONTINUED DISREPAIR: Water damage, roof failures, mold

Normandale Community College

PRIORITY PROJECTS: HVAC; Life, Health, and Safety; Roof
ESTIMATED HEAPR ALLOCATION: $4.5 million
RISK OF CONTINUED DISREPAIR: Water damage, mold, energy inefficiency, increased operating expenses

North Hennepin Community College

PRIORITY PROJECTS: Exteriors; HVAC; Life, Health, and Safety
ESTIMATED HEAPR ALLOCATION: $1.9 million
RISK OF CONTINUED DISREPAIR: Interior damage, mold, insufficient ventilation

Northland Community & Technical College

PRIORITY PROJECTS: HVAC; Life, Health, and Safety; Roof
ESTIMATED HEAPR ALLOCATION: $3.7 million
RISK OF CONTINUED DISREPAIR: Water damage, energy inefficiency, increased operating expenses, mold

Northwest Technical College

PRIORITY PROJECTS: HVAC; Life, Health, and Safety
ESTIMATED HEAPR ALLOCATION: $1.1 million
RISK OF CONTINUED DISREPAIR: Energy inefficiency, increased operating expenses, student safety

AT-A-GLANCE: 2018 Asset Preservation and Replacement Projects *(cont.)*

Pine Technical & Community College

PRIORITY PROJECTS: Life, Health, and Safety
ESTIMATED HEAPR ALLOCATION: $800,000
RISK OF CONTINUED DISREPAIR: Student safety

Ridgewater College

PRIORITY PROJECTS: Roof
ESTIMATED HEAPR ALLOCATION: $2.4 million
RISK OF CONTINUED DISREPAIR: Mold, water damage, energy inefficiency, increased operating expenses

Riverland Community College

PRIORITY PROJECTS: Electrical; HVAC
ESTIMATED HEAPR ALLOCATION: $2.8 million
RISK OF CONTINUED DISREPAIR: Power outages, electrical fire, energy inefficiency, increased operating expenses

Rochester Community and Technical College

PRIORITY PROJECTS: Exteriors; HVAC; Roof
ESTIMATED HEAPR ALLOCATION: $2.5 million
RISK OF CONTINUED DISREPAIR: Interior damage, mold, water damage

Saint Paul College

PRIORITY PROJECTS: Exteriors
ESTIMATED HEAPR ALLOCATION: $4.0 million
RISK OF CONTINUED DISREPAIR: Mold, rot, energy inefficiency, increased operating expenses

South Central College

PRIORITY PROJECTS: Roof
ESTIMATED HEAPR ALLOCATION: $2.2 million
RISK OF CONTINUED DISREPAIR: Mold, water damage, energy inefficiency, increased operating expenses

Southwest Minnesota State University

PRIORITY PROJECTS: Exteriors; Interiors
ESTIMATED HEAPR ALLOCATION: $4.4 million
RISK OF CONTINUED DISREPAIR: Water damage, mold, energy inefficiency, increased operating expenses

St. Cloud State University

PRIORITY PROJECTS: Exteriors; Interiors; Life, Health, and Safety; Roof; Underground
ESTIMATED HEAPR ALLOCATION: $2.7 million
RISK OF CONTINUED DISREPAIR: Mold, water, insufficient ventilation

St. Cloud Technical & Community College

PRIORITY PROJECTS: HVAC; Interiors; Roofs
ESTIMATED HEAPR ALLOCATION: $2.0 million
RISK OF CONTINUED DISREPAIR: Mold, water damage, energy inefficiency, increased operating expenses

Winona State University

PRIORITY PROJECTS: HVAC; Underground (Tunnels)
ESTIMATED HEAPR ALLOCATION: $1.7 million
RISK OF CONTINUED DISREPAIR: Energy inefficiency, increased operating expenses

ROCHESTER: Heintz brick damage

ST. CLOUD: tunnel concrete ceiling

MARSHALL: corroded pool sump collector

PRIORITY 2

Academic Learning Center and Campus Renovation *(Hagg-Sauer Hall Replacement)*

DESIGN · DEMOLITION
RENOVATION · CONSTRUCTION

$22,512,000

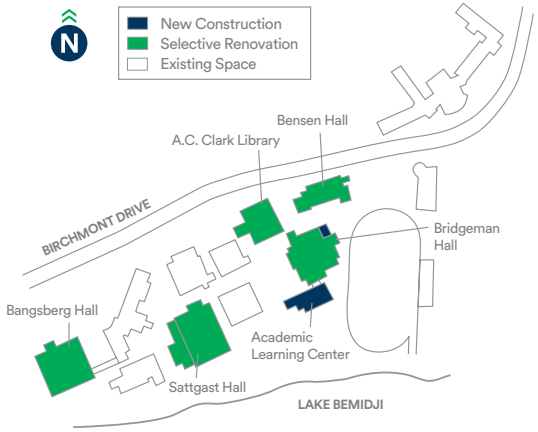
BEMIDJI

Bemidji State University
bemidjistate.edu
@BemidjiState

RENOVATES: 54,900 GSF
CONSTRUCTS: 27,800 GSF

SQUARE FOOTAGE REDUCTION: 55,000 GSF

DEFERRED MAINTENANCE REDUCTION: $9.3 million



SUMMARY

- Finishes design and implements the replacement of Hagg-Sauer Hall, the university's main classroom building, and partly renovates space in four other buildings
- Hagg-Sauer Hall has not been renovated in over 40 years and has one of the highest FCI values on campus
- Updates facilities for the liberal arts and sciences, including geography, computer science, and psychology
- Received $1 million appropriation in 2014 for design
- Serves the vast majority of Bemidji State's 5,000 undergraduate and graduate students

STUDENT IMPACT

Improves classroom access for disabled students and provides interactive and adaptable new learning spaces.

PRIORITY 3

Memorial and Plaza Halls

DESIGN · DEMOLITION
RENOVATION · CONSTRUCTION

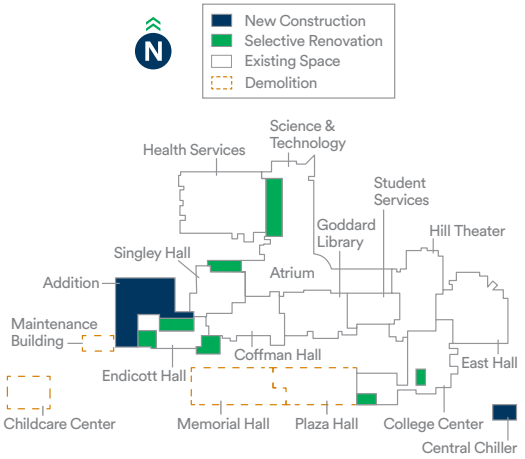
$22,853,000

ROCHESTER

Rochester Community and Technical College
rctc.edu
@RochesterCTC

RENOVATES: 20,120 GSF
CONSTRUCTS: 24,000 GSF

DEFERRED MAINTENANCE REDUCTION: $5.2 million



SUMMARY

- Completes design and demolishes outdated inadequate academic and support space, adds to an existing building, and renovates current inefficient academic and student support space
- Replaces an outdated and insufficient chiller plant with a central chiller plant to gain efficiencies
- Updates technology, audio/visual capabilities, sound, and acoustics in existing classrooms and labs
- Creates new small group study spaces and multi-function informal student space
- Received $1 million appropriation in 2014 for design
- Increases academic space utilization

STUDENT IMPACT

Improves collaborative/interactive learning environments, eliminates inadequate spaces with **multiple life safety issues** (e.g., fire suppression, air quality, ADA, water infiltration), and creates small study group spaces for more effective learning.

PRIORITY 4

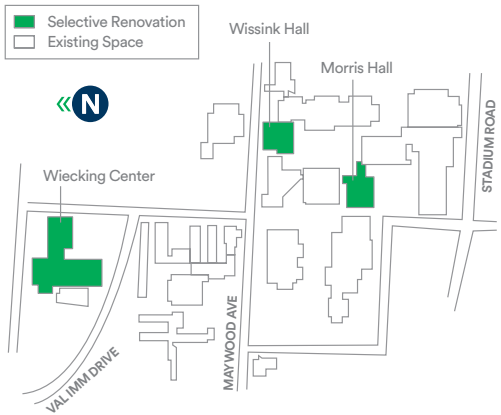
Clinical Sciences Phase II

RENOVATION

$6,478,000

Minnesota State University, Mankato
mnsu.edu
@MNSUMankato

MANKATO



RENOVATES: 15,821 GSF
RENEWS: 4,800 GSF

ROOF REPLACEMENT: 25,000 GSF

DEFERRED MAINTENANCE REDUCTION: $2.2 million

SUMMARY

- Final phase of Clinical Science upgrades on campus
- Renovates and renews space in three different buildings—Wiecking Center, Wissink Hall, and Morris Hall—to repurpose space vacated by programs moving into the newly opened (2017) Clinical Sciences Building (Phase I)
- Completes the renewable energy installation (solar) at the Clinical Sciences Building
- Benefits five different departments in three different divisions
- Includes remodeled food labs and classrooms, HVAC upgrades, and the creation of a new collaborative learning lab with new equipment and technology in hands-on learning environments
- Received $2.065 million appropriation in 2012 (design) and $25.818 million appropriation in 2014 (Phase 1 for the construction of the new Clinical Sciences Building)
- New solar panels to be installed on the Clinical Sciences Building will generate 22,500 kWh of energy with the 15kW array and save the campus $1,600 to $2,250 per year on utility costs

STUDENT IMPACT

Creates updated classroom and lab spaces in several buildings to facilitate **collaborative learning** and expands student support programs.

PRIORITY 5

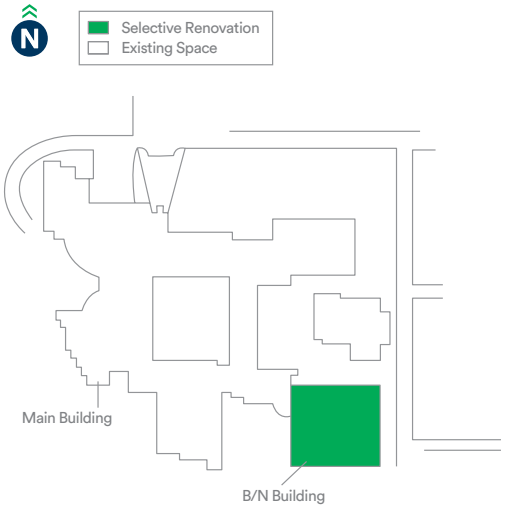
Nursing Modernization: Business and Nursing Building

DESIGN

$569,000

Anoka-Ramsey Community College
anokaramsey.edu
@AnokaRamseycc

COON RAPIDS



RENOVATES: 34,505 GSF

DEFERRED MAINTENANCE REDUCTION: $4.9 million

SUMMARY

- Designs the renovation of nursing classrooms and labs as well as general classroom renovation within the Business and Nursing Building
- Accommodates an expanding nursing program with updated facilities that meet the needs of current pedagogy
- Includes flexible learning classroom environments for general use by all departments
- Impacts 19 classrooms and labs, 4 suites of offices

STUDENT IMPACT

Modernizes, enhances, and repurposes classrooms and labs to **increase enrollment** and provide flexible learning options as well as a welcoming, synergistic environment for one of the largest nursing programs in Minnesota.

PRIORITY 6

Engineering and Applied Technology Center

DESIGN · RENOVATION

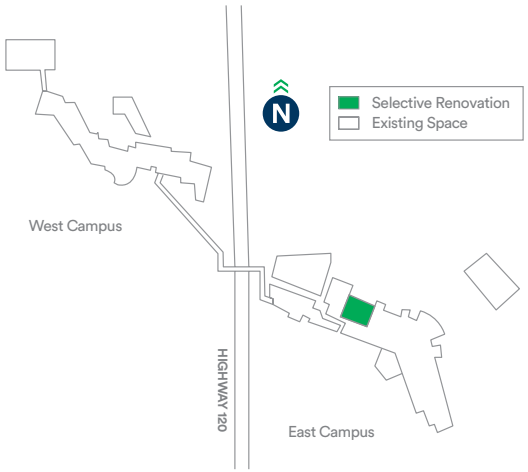
$6,362,000

Century College
century.edu
@CenturyCollege

MAHTOMEDI

RENOVATES: 20,580 GSF

DEFERRED MAINTENANCE REDUCTION: $4.1 million



SUMMARY

- Creates a multi-disciplinary Engineering and Applied Technology Center, serving a future applied engineering program and other STEM programs
- Flexible space and adjacent learning commons will benefit computer science, math, and other STEM programs
- Upgrades an adjacent welding laboratory to meet the needs of the applied technology/ mechatronics program areas and expansion into robotic welding
- Augments the adjacent 2014 Fab Lab renovation and clusters applied technology into a visible area of campus
- Upgrades to HVAC systems will provide greater energy efficiency and reduce operating costs

STUDENT IMPACT

Directly benefits 450 students in applied engineering and STEM programs by providing renovated space **critical to workforce needs**; project creates modern, flexible classrooms, labs, and student support spaces to provide students improved learning environments.

PRIORITY 7

Classroom and Student Services

DESIGN · RENOVATION

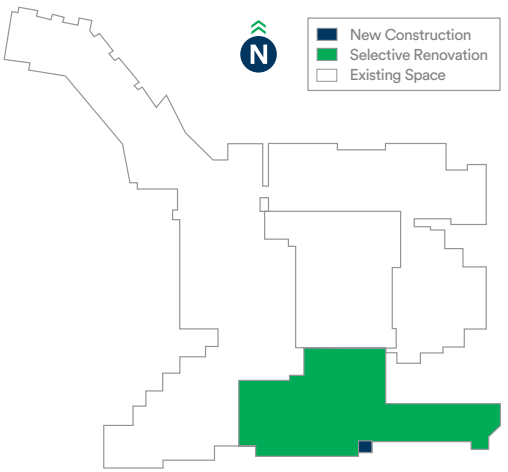
$12,636,000

Normandale Community College
normandale.edu
@normandale_cc

BLOOMINGTON

RENOVATES: 51,000 GSF (Phase 1)

DEFERRED MAINTENANCE REDUCTION: $2.8 million



SUMMARY

- Phase I funds design and renovation of the first floor of the College Services building and site improvements to address ADA compliance and storm water management issues
- When the two phases are complete, the project will result in improvements to 32 class-rooms, a math lab, an open computer lab, the tutoring center, and related support spaces
- Departments affected by the classroom renovations include Computer Technology, Computer Science, Economics, Math, and Reading
- Creating a centralized Student Service Hub will simplify the academic support process and allow staff more time to deal with student issues
- Increases the space available for Veteran's Resource Center, Diversity Center, and Experiential Education to increase success of underrepresented populations
- Phase I designs construction of Phases I and II
- Renovates 121,000 GSF total over two phases and increases space utilization

STUDENT IMPACT

Upgrades classroom technology and creates more flexibility and allows quicker adaptation in academic offerings and programs to meet changing workforce and community needs. Simplifies the student support service model and improves the experience for first-generation college students.

PRIORITY 8

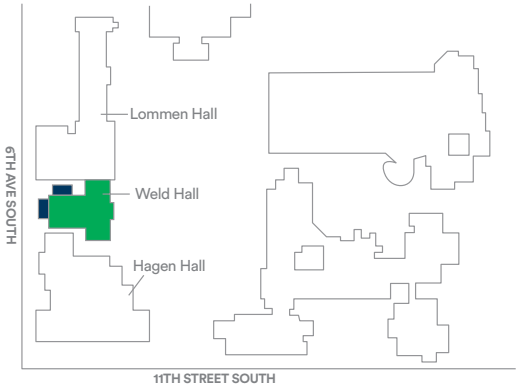
Weld Hall

DESIGN

$628,000

Minnesota State University Moorhead
mnstate.edu
@MSUMoorhead

MOORHEAD



RENOVATES: 33,484 GSF
CONSTRUCTS: 2,821 GSF

DEFERRED MAINTENANCE REDUCTION: $8.3 million

SUMMARY

- Designs the renovation of Weld Hall to address significant deferred maintenance, improve pedagogy, and rightsize classrooms
- Preserves and modernizes the oldest and most distinguished building on campus
- Renovates Glasrud Auditorium to create a multi-purpose venue for use as a teaching lab, lecture hall, performance space, and space for workforce training events
- Increases the number of multi-functional classrooms and reduces the number of offices
- Classroom sizes will be realigned to better serve a variety of class sizes and pedagogical approaches
- Increases academic space utilization in Weld Hall

STUDENT IMPACT

Creates flexible, **technology-enhanced classrooms** that foster collaborative learning environments for over 2,500 students studying English, music, theatre, entertainment industries and technology, and media arts and design.

PRIORITY 9

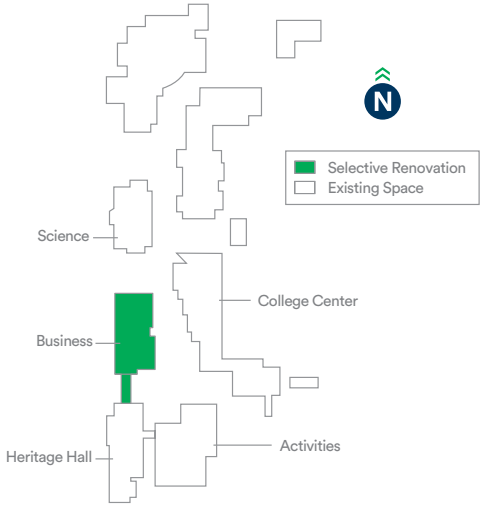
Technology and Business Center

DESIGN

$698,000

Inver Hills Community College
inverhills.edu
@InverHillsCC

INVER GROVE HEIGHTS



RENOVATES: 31,800 GSF
CONSTRUCTS: 2,000 GSF within existing building footprint

DEFERRED MAINTENANCE REDUCTION: $6.5 million

SUMMARY

- Designs the renovation of the existing Business Building to create a Technology and Business Center and create a link to Heritage Hall, improving access and classroom configurations
- The new Heritage Hall/Technology and Business Center complex will bring the STEM Division's departments together under one roof
- The design incorporates new square footage within the existing building footprint by expanding into the building's unused volume
- Increases classroom sizes allowing for greater class sizes
- Improves space utilization by creating appropriately-sized "smart" classrooms to optimize class size and curriculum delivery

STUDENT IMPACT

Directly benefits approximately 2,800 students in programs including business, accounting, paralegal, and computer science through **modernized and flexible classrooms**.

RIVERLAND
Community College

PRIORITY 10

Transportation, Trade, and Industrial Education Center

DESIGN · CONSTRUCTION · RENOVATION

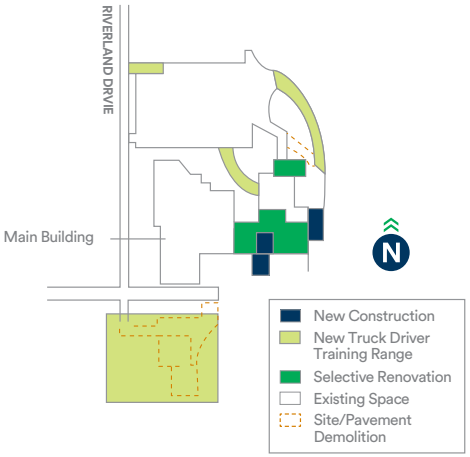
$10,122,000

Riverland Community College
riverland.edu
@RiverlandCC

ALBERT LEA

RENOVATES: 39,173 GSF
CONSTRUCTS: 7,482 GSF

DEFERRED MAINTENANCE REDUCTION: $2.8 million



SUMMARY

- Renovates outdated space to relocate truck driving and collision repair programs from Austin to Albert Lea
- Integrates these programs into shared spaces with auto service and diesel programs to obtain greater efficiencies
- Updated spaces and systems will increase enrollment and retention

STUDENT IMPACT

Provides **industry standard training spaces** for nearly 400 students from primarily underrepresented populations (including veterans and those returning to the workforce) to prepare them for jobs in high-demand fields.

PRIORITY 11

Baccalaureate Expansion

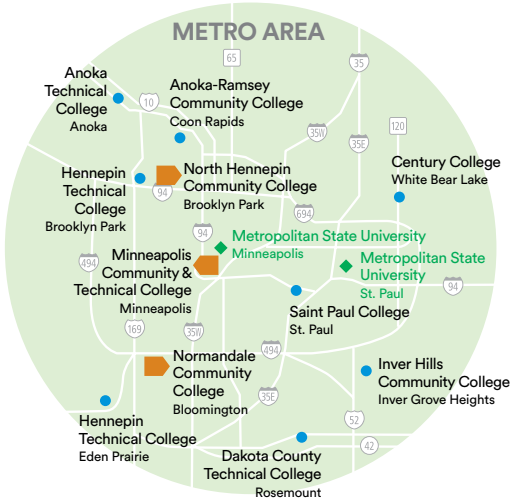
DESIGN · RENOVATION

$4,270,000

Multiple Colleges
MinnState.edu
@MinnStateEdu

MINNEAPOLIS · BROOKLYN PARK
BLOOMINGTON

RENOVATES: 20,850 GSF across three campuses



SUMMARY

- Designs and renovates or constructs space within the Twin Cities to enhance access to baccalaureate degree completion programs
- Continues work addressing expected demographic and workforce changes forecast for Minnesota
- The forecast is that:
  - Over the next three decades, the Twin Cities area population will increase by nearly 1 million people, creating an incremental 570,000 jobs
  - 421,800 of these incremental jobs will need to be filled with employees who hold a postsecondary credential
  - 216,805 of these incremental jobs will need to be filled with employees who hold a baccalaureate degree

STUDENT IMPACT

Improves and enhances access to baccalaureate programming for a wide spectrum of students, offering opportunities to better compete in the growing regional job market.

PRIORITY 12

Maajiigi (Start to Grow)

DESIGN · RENOVATION

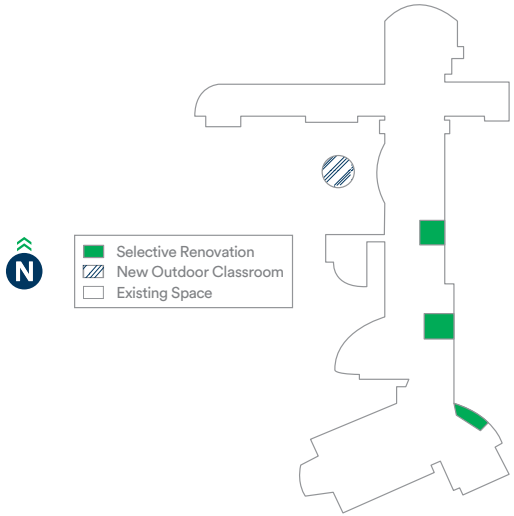
$1,157,000

Fond du Lac Tribal & Community College
fdltcc.edu

CLOQUET

RENOVATES: 3,560 GSF

DEMOLISHES: 1,680 GSF



SUMMARY

- Renovates two classrooms for the elementary education program as it expands to a four-year program
- Renovates space for the Environmental Institute, which teaches students and community members traditional practices
- Renovates the existing kitchen to provide residential students and day students with more (and healthier) food choices
- Demolition of an existing trailer will save $4,000 per year on utility costs

STUDENT IMPACT

Benefits the elementary teacher education program which prepares the next generation of teachers by infusing **indigenous (Anishinaabeg—Ojibwe) perspectives** into all areas of a curriculum.

PRIORITY 13

Academic Excellence Renovation and Renewal

DESIGN

$995,000

Saint Paul College
saintpaul.edu
@StPaulCollege

ST. PAUL

RENOVATES: 19,270 GSF
RENEWS: 90,775 GSF

DEFERRED MAINTENANCE REDUCTION: $6.3 million

SUMMARY

- Designs the renovation and renewal of 110,045 GSF of existing classroom, laboratory, and high-use student service spaces in the aging East Tower, West Tower, and first floor
- Enhances the entire campus building core complex
- Serves growing demand areas such as business, math, computer science, and other technical career programs

STUDENT IMPACT

Ensures that the college's diverse student body has greater access to modern, relevant, functionally improved, and attractive instructional spaces for **high-demand services and programs**.

PRIORITY 14

Effective Teaching and Learning Labs

DESIGN · RENOVATION

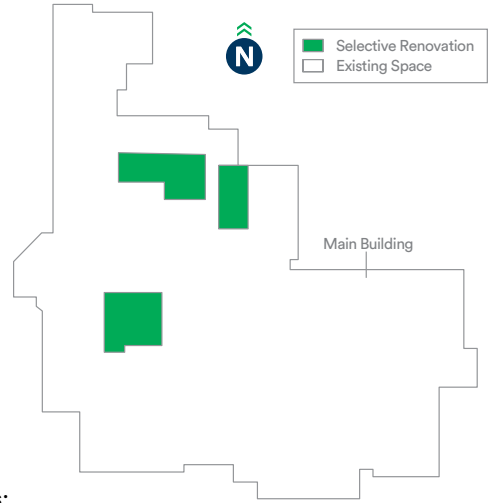
$2,425,000

Northland Community & Technical College
northlandcollege.edu
@myNCTC

EAST GRAND FORKS

RENOVATES:
8,225 GSF

DEFERRED MAINTENANCE REDUCTION: $994,000



SUMMARY

- Phase 2 of an effort to update campus labs; Phase 1 funded during the 2017 session
- Renovates existing classroom and class lab spaces to consolidate and expand the early childhood and education program, occupational therapy assistant program, pharmacy technology program, respiratory therapist program, and computer and networking technology program
- Creates active learning spaces that simulate real-world working environments

STUDENT IMPACT

Improves outdated health sciences and technology lab areas to ensure students are learning in **cutting edge and safe spaces** that mirror industries in which they will be employed.

PRIORITY 15

Classroom Building

DESIGN · RENOVATION

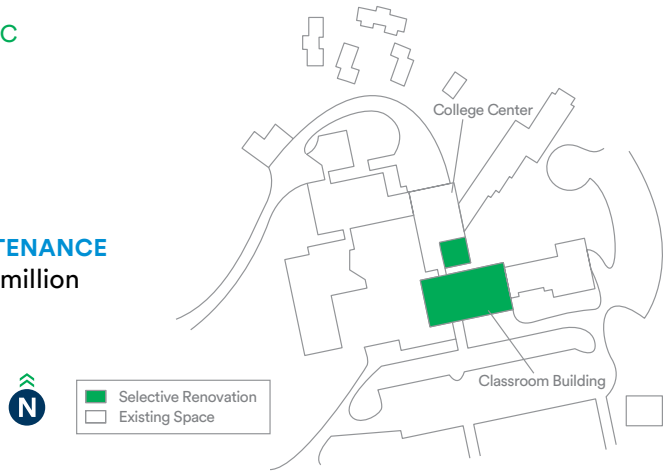
$2,349,000

Vermilion Community College
vcc.edu
@VermilionCC

ELY

RENOVATES:
6,925 GSF

DEFERRED MAINTENANCE REDUCTION: $1.1 million



SUMMARY

- Renovates six classrooms to create flexible adaptive learning environments and increases technological capabilities
- Brings two sets of heavily used restrooms into ADA compliance and updates adjacent corridors and lobby areas
- Creates an identifiable entry to the main classroom building within existing space
- Replaces the Classroom Building roof

STUDENT IMPACT

Student learning will be enhanced by **technology upgrades and options** for different instructional delivery methods.

Student Services and Academic Support

DESIGN

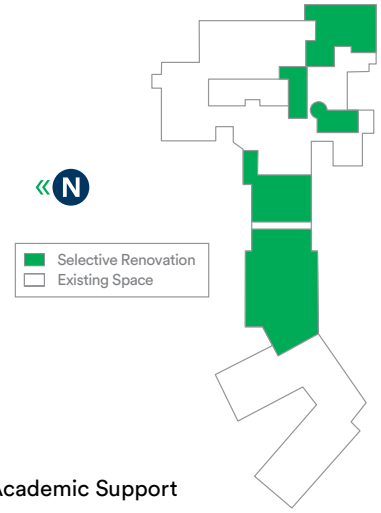
$455,000

Central Lakes College
clcmn.edu
@clcmnedu

BRAINERD

RENOVATES: 41,800 GSF
RENEWS: 29,235 GSF

DEFERRED MAINTENANCE REDUCTION: $1.9 million



SUMMARY

- Designs the renovation of Student Services and Academic Support space
- Realigns the Student Services area, and renovates theatre support spaces, PE/athletic locker rooms, public restrooms, student life spaces, and library/learning commons spaces
- Creates a new focal point at the main entrance to help with orientation and wayfinding

STUDENT IMPACT

Minimizes barriers making the prospective and ongoing student experience less daunting, while offering staff and faculty repurposed space that facilitates better communication and student-centered collaborations.

NOTES

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Thank you!

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