



April 20, 2022

Higher Education Asset Preservation and Replacement - HEAPR

Senate Capital Investment Committee

HEAPR methodology

135A.046 - Asset Preservation and Replacement

Uses:

- Code compliance, health and safety
- Energy efficiency improvements
- Preserve interior and exterior of existing buildings
- Renewal to support existing mission
- Design for future projects

Warm, safe and dry...and current



Minnesota State



HEAPR Scope:

- 30 colleges and 7 universities
- 54 campuses
- 22.5 millions square feet
- 843 academic buildings

Assessing needs

Comprehensive Facilities Plans

- Current and forecast academic programs
- Facilities conditions and configuration
- Priorities and avenues
- 5-year cycle

Facility condition reviews

- Systems approach
- Annually

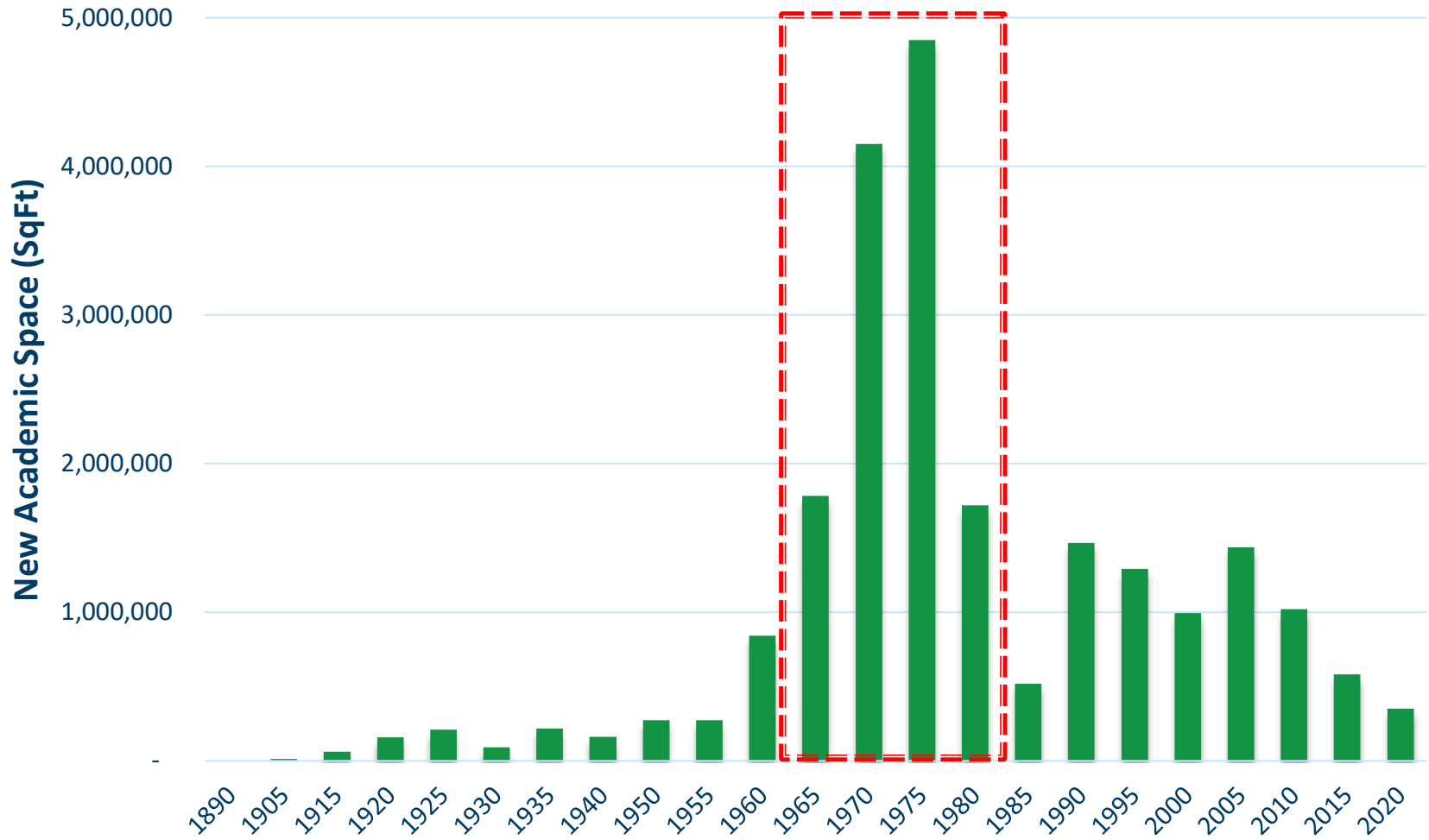
Management tool: VFA Facility

- Input: building age, type, conditions, etc.
- Data integration, modeling, and reports



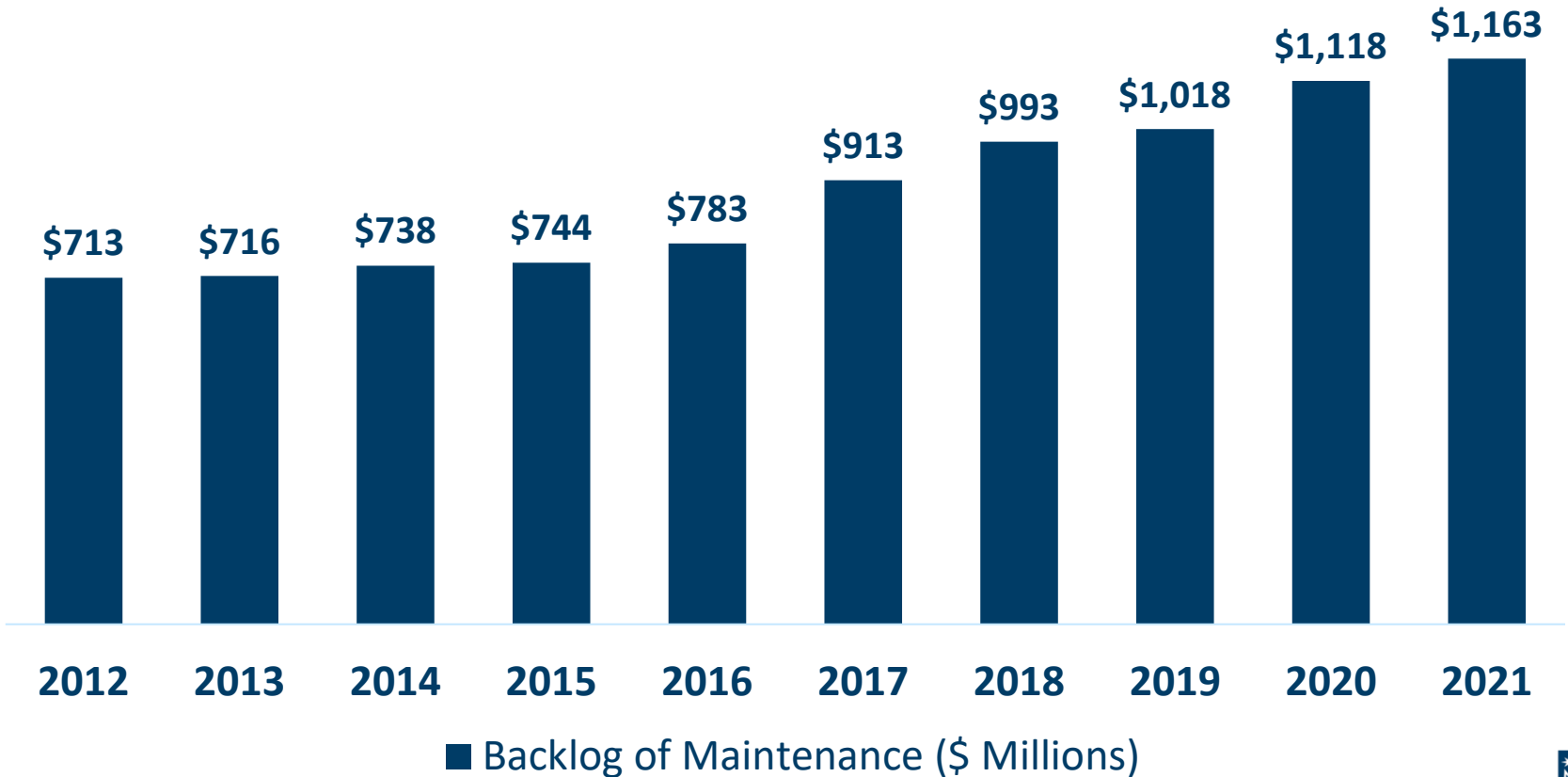
Minnesota State physical plant

New academic space by year constructed



Backlog of maintenance

2012-2021: *Deferred maintenance has grown by 63%*



10-Year Capital Renewal

Academic Facilities (\$M)

Subsystem Name	Backlog	10 year (2022-2031)	TOTAL
Exterior Enclosure	\$115	\$88	\$203
Roofing	\$199	\$85	\$284
Interiors	\$126	\$201	\$327
Plumbing	\$124	\$126	\$250
HVAC	\$360	\$462	\$822
Electrical	\$103	\$134	\$237
Fire and Security Systems	\$37	\$71	\$108
Equipment	\$97	\$133	\$230
Small Building Replacement	\$2	\$2	\$4
TOTAL	\$1,163	\$1,302	\$2,465



Avenues for meeting needs

Campus funding – R&R

- Goal: \$1 per square foot ~ \$22 million annually

Alternative means:

- Grants, gifts, capital campaigns
- Guaranteed Energy Savings Program – GESp
- Recently federal HEERF funding

Capital bonding:

- Major capital projects
- HEAPR appropriations



Thank you





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2022 Capital Program

Total program: **\$292.9 million**

Asset preservation - HEAPR:

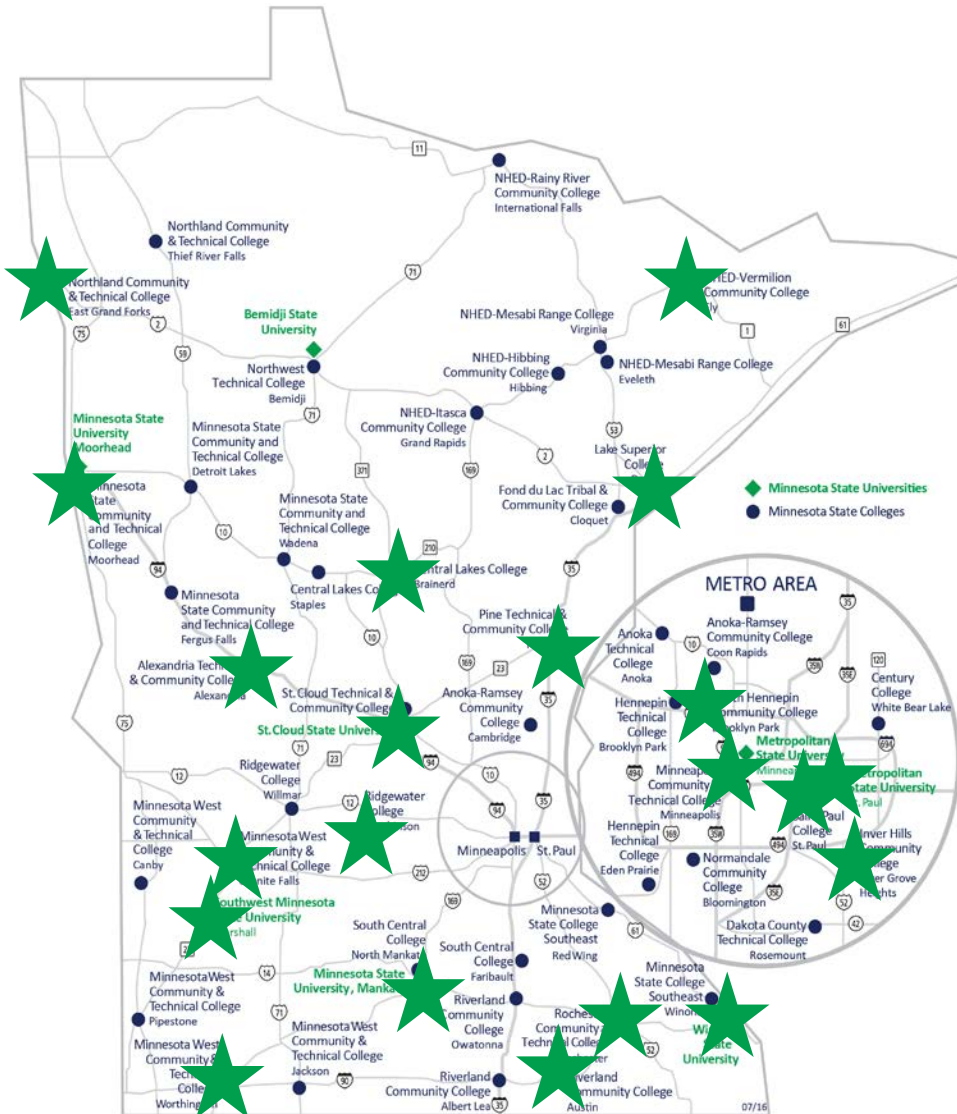
- **\$150.0 million**
- **70 projects statewide**

Major projects:

- **\$142.9 million**
- **20 major capital projects**
 - 4 Construction of previously funded design**
 - 6 Design and construction**
 - 10 Design for future construction**

2022 Program financing:

- **State: \$245.3 million**
- **User: \$47.6 million**



2022 Capital Budget Priority List

PRIORITY	PROJECT DESCRIPTION	COST (IN MILLIONS)	PAGE
1	Higher Education Asset Preservation and Replacement (HEAPR) – STATEWIDE	\$150.0	8
2	Minnesota State University Moorhead · Weld Hall ADDITION · RENOVATION – MOORHEAD	\$19.0	14
3	Inver Hills Community College · Technology and Business Center RENOVATION – INVER GROVE HEIGHTS	\$18.1	14
4	Minneapolis College · Management Education Center Metro Baccalaureate Initiative RENOVATION – MINNEAPOLIS	\$16.9	15
5	Pine Technical & Community College · Technical/Trades Lab ADDITION · RENOVATION – PINE CITY	\$13.9	15
6	Saint Paul College · Academic Excellence DESIGN – ST. PAUL	\$1.4	16
7	Vermilion Community College · Classroom Building DESIGN · RENOVATION – ELY	\$3.0	16
8	Central Lakes College · Student Services DESIGN · RENOVATION – BRAINERD	\$9.5	17
9	Northland Community & Technical College · Effective Teaching and Learning Labs DESIGN · RENOVATION – EAST GRAND FORKS	\$2.7	17
10	Minnesota State University, Mankato · Armstrong Hall Replacement, Phase I DESIGN · RENOVATION – MANKATO	\$7.1	18
11	Winona State University · Center for Interdisciplinary Collaboration, Engagement, and Learning DESIGN – WINONA	\$4.2	18
12	Lake Superior College · Integrated Manufacturing Workforce Labs DESIGN – DULUTH	\$1.1	19
13	North Hennepin Community College · Center for Innovation and the Arts DESIGN – BROOKLYN PARK	\$7.6	19
14	Metropolitan State University · Cybersecurity Lab DESIGN · RENOVATION – ST. PAUL	\$4.3	20
15	Alexandria Technical & Community College Transportation Center, Student Services Renovation, and Selective Campus Demolition DESIGN – ALEXANDRIA	\$0.8	20
16	Riverland Community College · Student Services Renovation DESIGN · RENOVATION – AUSTIN	\$9.9	21
17	Southwest Minnesota State University · Wellness and Human Performance Center DESIGN – MARSHALL	\$1.2	21
18	St. Cloud State University · Education and Learning Design Complex DESIGN – ST. CLOUD	\$4.5	22
19	Rochester Community and Technical College Heintz Center Renovation: Reimagining Education for a Diverse Workforce DESIGN – ROCHESTER	\$1.3	22
20	Minnesota West Community & Technical College Nursing, Public Peace Officer, and Student Service Renovation DESIGN – GRANITE FALLS AND WORTHINGTON	\$2.0	23
21	Ridgewater College · Healthcare, Construction, Student Services, and Classroom Renovation DESIGN · RENOVATION – HUTCHINSON	\$14.3	23

TOTAL \$292.9

STATE SUPPORT \$245.3

MINNESOTA STATE FINANCED \$47.6

