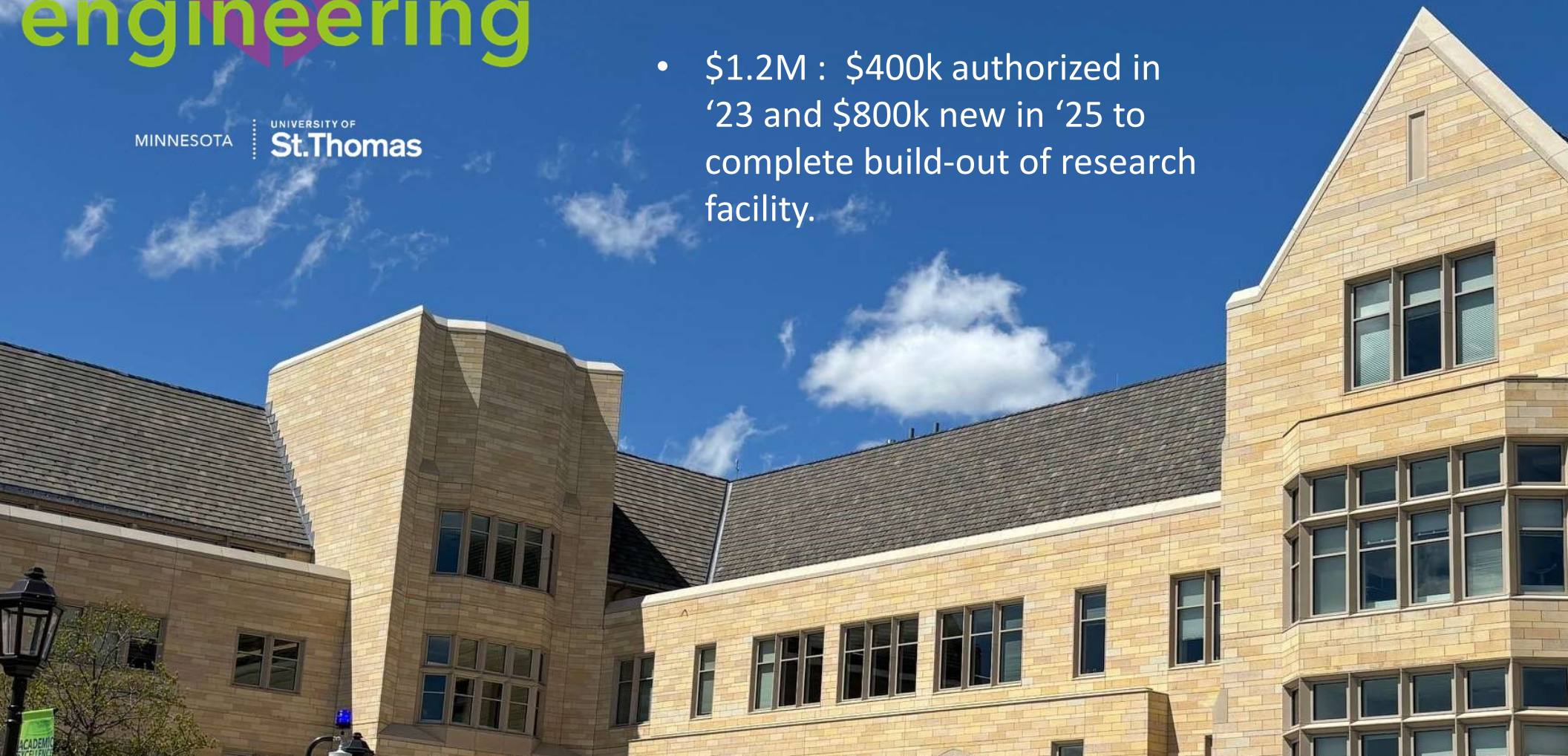




MINNESOTA UNIVERSITY OF
St. Thomas

RDA Request **SF 2758 / HF 2573**

- Extend '23 appropriation to accommodate construction delay
- \$1.2M : \$400k authorized in '23 and \$800k new in '25 to complete build-out of research facility.





Establishing
Minnesota as a
Leader in Grid-
Technologies

Leveraged an additional \$18M of federal and \$5.2M from St. Thomas Engineering to establish a world class future-grid research Center here in Minnesota



World-Class Facility

Built a World Class Facility for Grid Modeling and Controls Research to guarantee Minnesota's leadership role in this decade

**World's largest
Grid Modernization
and Distributed
Energy Resources
real-time modeling
computers among
600 Universities
and Utilities**

**US's largest
(and 2nd world-
wide) university
grid-level real-
time modeling
computers**



Research, Industry Partners, & Workforce



Basic & Applied Research



TEXAS A&M
UNIVERSITY



National
Science
Foundation



US Army Corps
of Engineers®

Grid modeling & controls,
electric vehicles, cybersecurity,
systems integration

Partnering w/ Industry



Hosting testing & evaluation
of products from 3 Energy
Start-Up Companies

Workforce Development & Education



Sabathani Community Center
The Heart of South Minneapolis



Minneapolis
American Indian Center



Working with local community
partners and companies on
expanding renewable energy and
power systems workforce

International Partnerships



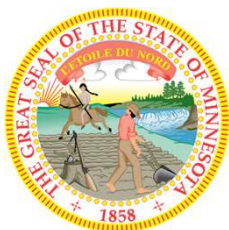
POLITECNICO
DI MILANO



THE UNIVERSITY OF TRINIDAD AND TOBAGO

Hosting international
scholars and workshops

Construction and Build-Out of Expanded National-Level Facility

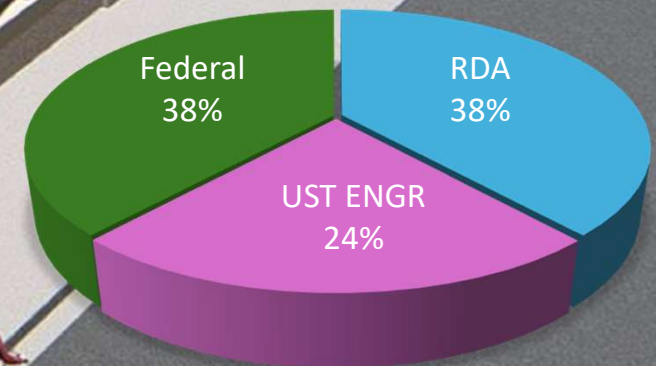


Construction of a 6,200 SF Facility to house expanded Center for Microgrid Research including 1.5MW of generation capacity, grid-scale energy storage, south campus and Xcel grid tie-ins, and large scale-electric vehicle connections

Powering Minnesota's Leadership in Grid Technologies

- State-of-the-art grid scale energy systems, controls, and EV research facility
- A pivotal center to sustain urban and rural grid infrastructure resiliency and workforce development
- An exemplar model of the power of State, Federal, and Private investments

**Groundbreaking
May 2025**



A well leveraged investment for
Minnesota

Engineering@St. Thomas



Senior Engineering Class
Spring 2024

Thank You!
engineering.stthomas.edu

