



MICHIGAN STATE UNIVERSITY  
**BOARD OF TRUSTEES**  
Executive Action Summary

Budget & Finance-Attachment 9

**APPROVED**  
**JUNE 13, 2025**  
**BOARD OF TRUSTEES**  
**MICHIGAN STATE UNIVERSITY**

**Committee Name** Budget & Finance

**Date** June 13, 2025

**Agenda Item:** PLAN - Chemistry – HVAC Replacement and Improvements

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Information

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Review

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Action

**Resolution:**

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby authorizes the Administration to plan for the project titled "Chemistry – HVAC Replacement and Improvements."

**Recommendation:**

The Trustee Committee on Budget & Finance recommends that the Board of Trustees authorize the Administration to plan for the replacement of HVAC systems in the Chemistry Building along with other health and safety improvements.

**Prior Action by BOT:** Not applicable.

**Responsible Officers:**

Daniel Bollman, Vice President for Strategic Infrastructure Planning and Facilities

Barbara J. Kranz, Assistant Provost, Institutional Space Planning and Management

**Summary:**

Project outcomes include an updated HVAC system with redundant capacities, a fire suppression core infrastructure in place, and modernized laboratory controls and safety improvements.

**Background Information:**

HVAC systems in the Chemistry Building are at end-of-life condition and need to be replaced. The reactive repair has proven to be disruptive to the building's operation and is unsustainable. The fume hood expansion is hindered due to current system limitations. The replacement of aged, failing HVAC systems in coordination with other system renewals and health and safety improvements will advance performance, reliability, and safety for decades to come. The planning process will include assessing future program needs that may impact design and functionality of the HVAC system.

**Source of Funds:**

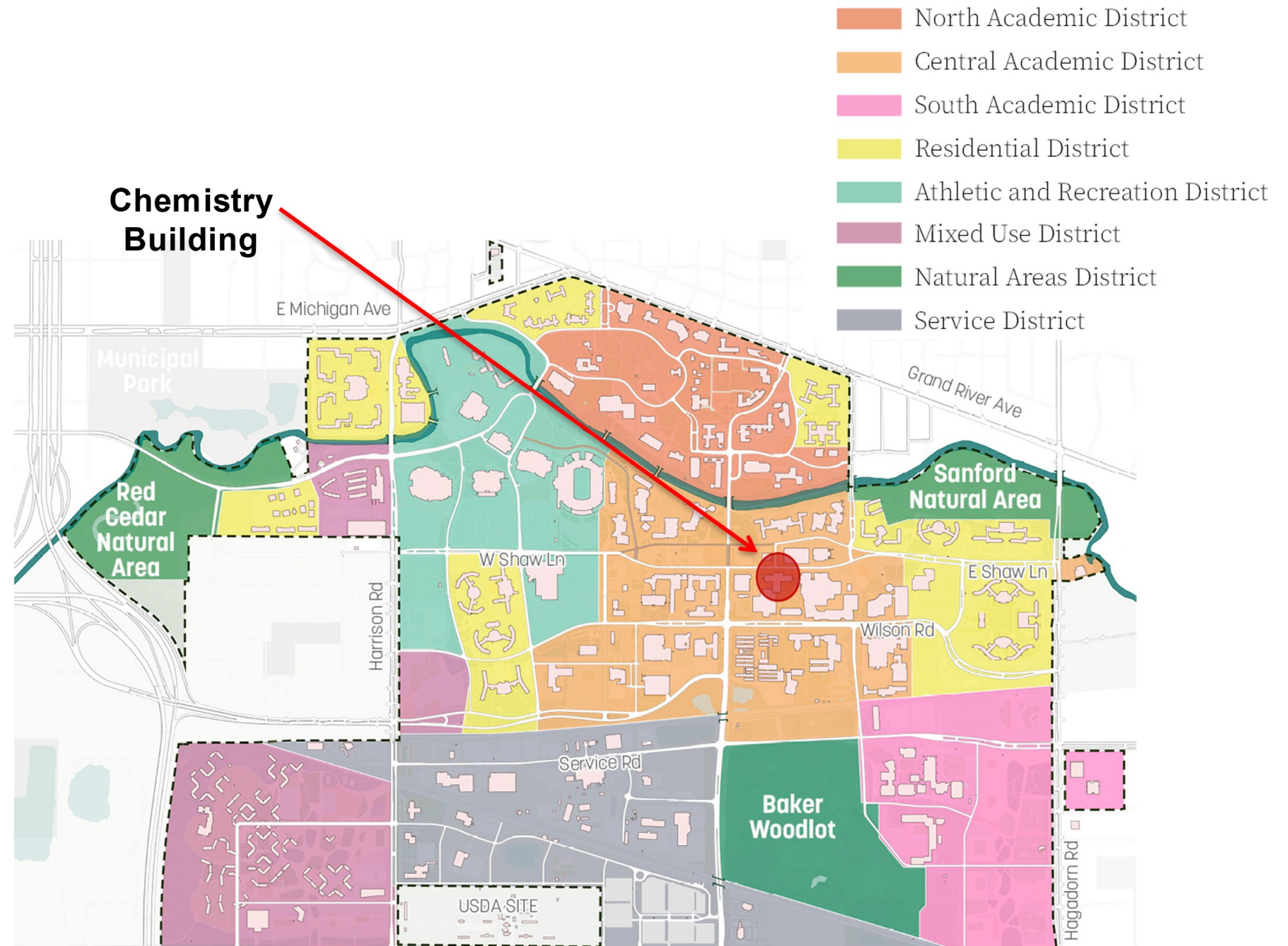
Planning costs are estimated at \$6,500,000, with \$2,000,000 to be provided by Capital Renewal Savings and \$4,500,000 to be provided from Infrastructure Planning and Facilities Utility Reserve HVAC Replacements.

**Resource Impact:**

The Chemistry Building supports both the Department of Chemistry and FRIB, including research with expenditures averaging over \$11 million annually, teaching and learning of over 5,000 students each semester, and office spaces. In recent years, over \$40 million has been invested, both in the Chemistry Building and in the Chemistry and FRIB departments, through investments in growing the faculty and in significant building renovations funded by the College of Natural Science and by FRIB. Replacement of the HVAC systems in the Chemistry Building supports these recent investments and is an integral resource to carry-out the research and teaching and learning mission.

# Chemistry

## HVAC Replacement and Improvements



June 13, 2025