



APPROVED  
SEPTEMBER 9, 2022  
BOARD OF TRUSTEES  
MICHIGAN STATE UNIVERSITY

September 9, 2022

**MEMORANDUM**

**To:** Committee on Budget and Finance  
**From:** Daniel Bollman *Daniel J. Bollman*  
Vice President for Strategic Infrastructure Planning and Facilities  
**Subject:** **Authorization to Plan**  
Greenhouses – Renovation of Existing and Addition –  
Research Expansion and Learning

**RECOMMENDATION**

The Trustee Committee on Budget and Finance recommends that the Board of Trustees authorize the Administration to plan for revitalization of the MSU Greenhouses.

**RESOLUTION**

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby authorizes the Administration to plan for the project entitled "Greenhouse – Renovation of Existing and Addition – Research Expansion and Learning."

**BACKGROUND**

The Plant Sciences Greenhouses serve over 70 faculty and 600 students, with more than 250 grants from federal agencies and over \$30 million in annual research funding. The greenhouses are important to MSU's participation in the Great Lakes Bioenergy Research Center, which has attracted more than \$160 million in funding since 2007. The greenhouses are critical facilities to maintain and advance MSU's leadership in the plant sciences, which comprise 3 colleges, 9 departments, and more than 150 faculty, including many members of the National Academy of Science, University Distinguished Professors and Foundation Professors.

Two thirds of the greenhouses were built between 1955 and 1978 and lack the modern controlled environments necessary to perform year-round research in specialized conditions. Improved facilities are critical to recruiting and retaining top faculty and will expand research and funding opportunities for researchers



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now restricted to laboratory settings, accelerating the translation of new discoveries.

**Description of Project:**

This project is anticipated to upgrade the Plant Sciences Greenhouse Range through a combination of renovations and additions that include state-of-the-art environmental controls and LED lighting configured to respond to varying external climate conditions. The upgraded greenhouses will have the ability to conduct controlled, replicated experiments regardless of the season and under a variety of growth, environmental and stress conditions.

The Plant Sciences Greenhouses are south of Wilson Road and east of Farm Lane in the central academic district.

**Communication Plan:**

Input will continue to be solicited from the campus community during the planning phase.

**Preliminary Project Cost Information**

The planning for this project will incur costs for consultants, designers, and cost estimating. The administration will bring forward a funding plan when seeking authorization to proceed, which will include State of Michigan appropriations and may include other university sources.

cc: Board of Trustees, S. Stanley, T. Woodruff, N. Beauchamp, M. Woo, M. Zeig, B. Quinn, V. Gore, L. Frace, T. Glasmacher, K. Tobin, B. Kranz, M. McCabe, J. Mumma, L. Gremel, J. Rayis, L. Adams, P. Duxbury, K. Millenbah, D. Gage, K. Wilbur

# Authorization to Plan

Greenhouses – Renovation of Existing and Addition – Research Expansion and Learning



MICHIGAN STATE UNIVERSITY

