

TO: Members of the Board of Trustees

FR: Jay Wasson, Vice President for Physical Facilities and Chief Public Safety Officer

DATE: July 24, 2023

RE: Approval to Increase Authorization for Life Science Ranges Phenotyping Greenhouse Building

Attachments:

- Resolution
- Exhibit A: Prior Resolution

Project Description:

- Competitive bids have been received for this project. However, the prevailing market conditions reflect that to ensure successful completion of the project scope, the estimated total cost of this project has increased from \$20,000,000 to \$24,500,000.
- Operating Funds-Reserves will be used to cover the increased cost, which will allow for the completion of the Life Science Ranges Phenotyping Greenhouse Building project as presented on February 4, 2022 and summarized below.
- This project will construct a new approximately 20,000 GSF phenotyping-enabled greenhouse that includes conveyors allowing for plant transport from the new greenhouse to the Ag Alumni Seed Controlled Environment Phenotyping Facility (AAPF).
- The new greenhouse will be connected to the AAPF and will require the demolition of two existing Life Science Ranges immediately adjacent to AAPF on the West Lafayette campus.
- Project delivery method: Construction Manager as Constructor
- Guaranteed Maximum Price delivery: June 2023 (Previously September 2022)
- Construction start: August 2023 (Previously November 2022)
- Construction completion: April 2025 (Previously May 2024)

Project Benefits:

- This project will expand phenotyping capabilities and capacity while improving plant growing conditions.
- Construction of the new greenhouse directly supports Purdue's Next Moves Plant Sciences 2.0 initiative. Additionally, the 2018 Giants Leaps Master Plan identified the project location as suitable for new greenhouses.

Project Cost and Funding:

- Estimated Total Project Cost: \$24,500,000
- Sources of Funds:
 - Operating Funds-Reserves

c: Chairman Mike Berghoff
President Mung Chiang
Treasurer Chris Ruhl
Provost Patrick Wolfe
Corporate Secretary Cindy Ream
General Counsel Steve Schultz

**RESOLUTION OF THE BOARD OF TRUSTEES OF THE TRUSTEES OF PURDUE
UNIVERSITY INCREASING THE AUTHORIZED COST LEVEL FOR LIFE SCIENCE
RANGES PHENOTYPING GREENHOUSE BUILDING**

WHEREAS, by a resolution adopted on February 4, 2022 (the “Prior Resolution”), the Board of Trustees (the “Board”) of the Trustees of Purdue University (the “Corporation”) authorized and approved the Life Science Ranges Phenotyping Greenhouse Building at the Purdue University West Lafayette Campus (the “Project”); and

WHEREAS, the Prior Resolution granted the Treasurer the authority to advance the Project for a total Authorized Cost Level of \$20,000,000 (the “Authorized Cost Level”); and

WHEREAS, the Board has determined that the Project Authorized Cost Level should be increased in order to accommodate additional costs considerations prompted by prevailing market conditions and to ensure the successful completion of the Project;

NOW, THEREFORE, BE IT RESOLVED, by the Board as follows:

1. The Board hereby finds that that a necessity exists to increase the Project’s Authorized Cost Level from the previously authorized \$20,000,000 to \$24,500,000.
2. In order to provide funds with which to accomplish the Project, the Treasurer is hereby authorized to use \$24,500,000 in Operating Funds-Reserves.
3. The Chairman, Vice-Chairman, Treasurer, Assistant Treasurer, General Counsel, Deputy General Counsel, Secretary and Assistant Secretary of the Corporation, and the Treasurer and Chief Financial Officer and the Senior Vice President and Assistant Treasurer of Purdue University, and each of said officers respectively, are hereby authorized and empowered for, on behalf and in the name of the Corporation, or of Purdue University, to take all necessary and proper actions to carry out the purpose and intent of this Resolution whether herein specifically authorized or not, except such actions as are specifically required by law to be taken by the Board as the governing board of The Trustees of Purdue University.



Administrative Operations

BOARD APPROVED
FEBRUARY 4, 2022

Janice Indrutz
Corporate Secretary

TO: Members of the Board of Trustees
FR: Michael B. Cline, Senior Vice President for Administrative Operations
DATE: January 26, 2022
RE: Approval to Plan, Finance, Construct and Award Construction Contracts for Life Science Ranges Phenotyping Greenhouse Building

Attachments:

- Resolution
- Exhibit A: Life Science Ranges Phenotyping Greenhouse Building Location

Project Description:

- This project will construct a new approximately 20,000 GSF phenotyping-enabled greenhouse that includes conveyors allowing for plant transport from the new greenhouse to the Ag Alumni Seed Controlled Environment Phenotyping Facility (AAPF).
- The new greenhouse will be connected to the AAPF and will require the demolition of two existing Life Science Ranges immediately adjacent to AAPF on the West Lafayette campus.
- Project delivery method: Construction Manager as Constructor
- Guaranteed Maximum Price delivery: September 2022
- Construction start: November 2022
- Construction completion: May 2024

Project Benefits:

- This project will expand phenotyping capabilities and capacity while improving plant growing conditions.
- Construction of the new greenhouse directly supports Purdue's Next Moves Plant Sciences 2.0 initiative. Additionally, the 2018 Giants Leaps Master Plan identified the project location as suitable for new greenhouses.

Project Cost and Funding:

- Estimated Total Project Cost: \$20,000,000
- Sources of Funds:
 - Operating Funds-Reserves

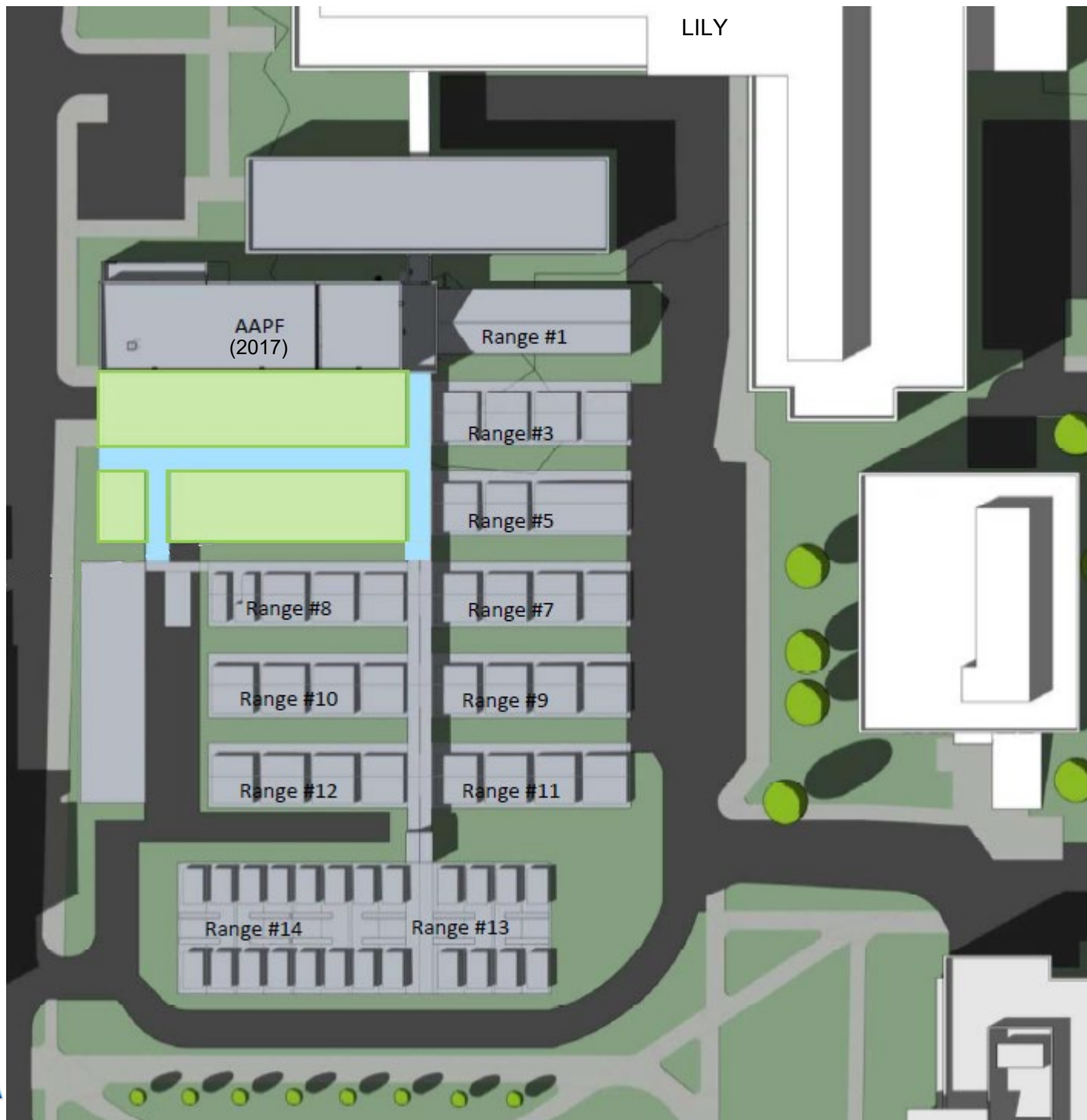
c: Chairman Mike Berghoff
President Mitch Daniels
Treasurer Chris Ruhl
Provost Jay Akridge
Assistant Treasurer Jim Almond
Corporate Secretary Janice Indrutz
General Counsel Steve Schultz

Resolution Concerning Life Science Ranges Phenotyping Greenhouse Building

Resolved, By The Board of Trustees (the “Board”) of The Trustees of Purdue University (the “Corporation”), as follows:

1. The Board hereby finds that a necessity exists for the planning, financing and construction as well as for the awarding of one or more contracts for the completion of the project identified as Life Science Ranges Phenotyping Greenhouse Building at the Purdue University West Lafayette Campus (the “Project”).
2. In order to provide funds with which to accomplish this project, the Treasurer of the Corporation is hereby authorized to use Operating Funds-Reserves of \$20,000,000 (the “Authorized Cost Level”).
3. For purposes of Article VII, Section 1(c) of the Bylaws, no change orders in connection with any of the above-referenced contracts shall require further Board or the Board’s Physical Facilities Committee (the “Committee”) authorization and approval unless and until such a change order, together with all other change orders previously authorized, approved and executed by the Treasurer, causes the aggregate amount of expenditures incurred under such contracts to exceed the Authorized Cost Level for this project (it being understood that any change order or any other action that would cause such Authorized Cost Level to be exceeded must, before it is given effect, receive the express prior approval of the Committee and the Board).
4. The Board authorizes and directs the Treasurer of the Corporation to select, retain and contract with an architectural/engineering firm to provide planning services for such amount and on such terms as he in his sole discretion shall deem to be in the best interest of Purdue University.
5. The Treasurer of the Corporation be, and hereby is, further authorized and empowered to delegate to one or more officers and representatives of the Corporation or of Purdue University such tasks and responsibilities with respect to the completion of the Project as he, in his sole discretion, shall deem to be in the best interests of the Corporation and Purdue University and consistent with the exercise of the authority granted above.
6. The Chairman, Vice Chairman, Treasurer, Assistant Treasurer, Legal Counsel, Assistant Legal Counsel, Secretary and Assistant Secretary of the Corporation, and the Treasurer and Chief Financial Officer and the Senior Vice President and Assistant Treasurer of Purdue University, and each of said officers respectively, are hereby authorized and empowered for, on behalf and in the name of the Corporation, or of Purdue University, to: (a) request the necessary approvals of the Governor and the Budget Agency and all other necessary governmental approvals for the actions hereinabove authorized; and (b) take all other necessary and proper actions to carry out the purpose and intent of this Resolution, whether herein specifically authorized or not, except such actions as are specifically required by law to be taken by the Board as the governing board of the Corporation.


Exhibit A



Physical Facilities

Exhibit A: Life Science Ranges Phenotyping Greenhouse Building Location

02/04/22

 Greenhouse space

 Corridor