

Office of the Chief Financial Officer and Treasurer

August 11, 2022

The Honorable Eric J. Holcomb Governor of the State of Indiana Statehouse Indianapolis, IN 46204

Dear Governor Holcomb:

At its meeting on August 5, 2022, the Purdue University Board of Trustees approved the planning, financing, construction and award of construction contracts for the Vawter Hall Electrical Enhancements and Replacement on the West Lafayette campus.

This project will enhance the electrical distribution system currently located in Vawter Residence Hall, which also serves Warren Residence Hall and Windsor Dining Court. This project will install a new, larger transformer to replace two existing, smaller transformers; add three new transformers; and replace main electrical distribution equipment.

This project will result in improved lighting and equipment reliability through the modernization of the buildings' electrical distribution system. The enhanced system will allow power to be shut down to portions of the building instead of requiring a full building closure when electrical work is required.

The estimated total project cost is \$3,000,000 and is funded by Auxiliary Funds – Housing/Dining. This project is included in Purdue's approved FY23 Repair and Rehabilitation budget.

Subject to review by the Commission for Higher Education and recommendation by the State Budget Committee and the Budget Agency, we request your approval to proceed with this project. Attached are the completed forms that the Commission has prescribed for its review of such projects. We will be happy to answer any questions you or your staff may have or to provide any additional information that is needed.

Sincerely,

Christopher A. Ruhl Chief Financial Officer and Treasurer

Attachments

c: Seth Hinshaw, Chief Financial Officer, Indiana Commission for Higher Education Zachary Jackson, Director, Indiana State Budget Agency Jasmine Williams, Assistant Director, Indiana State Budget Kathleen Thomason, Comptroller, Purdue University Anne Hazlett, Senior Director, Government Relations, Purdue University

PROJECT COST SUMMARY

Vawter Hall Electrical Enhancements and Replacement

| Institution:PurdCampus:West LaPreviously approved by General Ass | | <u>Budget Agency Project No.:</u> Institutional Priority: Previously recommended by CHE: | <u>N/A</u> | <u>B-1-23-2-05</u> <u>No</u> |
|---|---------------------------------|--|------------------------------|---------------------------------|
| Part of the Institution's Long-term | Capital Plan: <u>Yes</u> | | | |
| Project Size: N/A GSF (1) Net change in overall campus space: | N/A ASF (2) N/A GSF | N/A ASF/GSF N/A ASF | | |
| Total cost of the project (3): Total cost of the demolition: Funding Source(s) for project (4): | \$ 3,000,000 \$ - Amount | Cost per ASF/GSF: | N/A GSF N/A ASF | |
| | <u>\$ 3,000,000</u> | Auxiliary Funds – Housing/Dining | | |
| Estimated annual debt payment (6): Are all funds for the project secured Project Funding: | | | | |
| The purchase is being funded by Auxi | liary Funds – Housing/Dining, a | and all of the funds are secured. | | |
| Project Cost Justification Since the project is utilities based, ther project section. | e is not a ASF or GSF associate | ed with the work. This project scope and cost are similar t | o the projects listed in the | comparable |
| <u>Estimated annual change in cost of l</u> <u>Estimated annual repair and rehabi</u> | | <u>the project:</u> <u>\$ 45,000</u> | | |

(1) Gross Square Feet (GSF)- Sum of all area within the exterior envelope of the structure.

(2) Assignable Square Feet (ASF)- Amount of space that can be used by people or programs within the interior walls of a structure. Assignable square feet is the sum of the 10 major assignable space use categories: classrooms, laboratories, offices, study facilities, special use facilities, general use facilities, health care facilities, residential facilities and unclassified facilities. For information on assignable space use categories, see Space-Room Codes tab.

(3) Projects should include all costs associated with the project (structure, A&E, infrastructure, consulting, FF&E, etc.)

(4) Be consistent in the naming of funds to be used for projects. If bonding, note Bonding Authority Year (1965, 1929, 1927, etc.)

(5) Estimate the amount of funding the institution would need to set aside annually to address R&R needs for the project. CHE suggests 1.5% of total construction cost

(6) If issuing debt, determine annual payment based on 20 years at 4.75% interest rate

- If project is a lease-purchase or lease, adjust accordingly. Note the total cost of the lease in the project cost, and annual payments in project description

PROJECT DETAILED DESCRIPTION - ADDITIONAL INFORMATION

Vawter Hall Electrical Enhancements and Replacement

| Institution: | Purdue University | Budget Agency Project No.: B-1-23-2-0: |
|---------------------|---|---|
| Campus: | West Lafayette | Institutional Priority: <u>N/A</u> |
| | | |
| | | |
| Description of | | |
| | ter en la constante de la const | urrently located in Vawter Residence Hall, which also serves nearby Warren |
| | | yette campus. This project will install a new, larger transformer to replace two and replace main electrical distribution equipment. The existing transformers and |
| | | I service lives and are not meeting the buildings' needs. |
| | alsuroution equipment are past their expected | solvice investand are not meeting the buildings meeds. |
| | | |
| | | |
| | | |
| | | |
| Need and Purp | pose of the Program | |
| | | hrough the modernization of the buildings' electrical distribution system. The |
| | | sh switching, increasing the safety for electrical maintenance staff. The enhanced |
| | | uilding when electrical work needs to be performed allowing operations to |
| | | building loses power when electrical work needs to be completed. Facilities usage on demand, which is not currently possible without the installation of |
| ÷ | ring equipment. | isage on demand, which is not currently possible without the instantation of |
| temporary mete | | |
| The average life | e expectancy of the new transformers is 30-40 |) years, and that of the main electrical distribution equipment is 20-30 years. |
| | | |
| | | y residential complex that was constructed between 1934 and 1951, which |
| | during the academic year. | ourt supports faculty, staff, students and visitors with operating hours between 7 |
| a.iii. and 9 p.iii. | during the academic year. | |
| This project is i | included in Purdue's approved FY23 Repair ar | nd Rehabilitation budget. |
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| ~ ~ ~ ~ ~ ~ ~ | | |
| Space Utilizati | <u>on</u> itilities project, there will be no significant spa | ace impact |
| | unities project, there will be no significant spa | |
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| | | |
| | | |
| | | |
| | | |
| Comparable P | | |
| • \$2,300,000 | Building Main Electrical Distribution Replacen | nent (2021) |
| | | n systems, including main switches, panels and circuit breakers, with new |
| equipment | wo transformers and two electrical distribution | in systems, including main switches, parels and circuit oreakers, with new |
| equipment | | |
| | | ent of transformers, though only two transformers were replaced, compared to th |
| proposed projec | et that includes a total of four new transformer | rs, plus other equipment. |
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| | | |
| Background M | laterials | |
| | | |
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CAPITAL PROJECT REQUEST FORM INDIANA PUBLIC POSTSECONDARY EDUCATION INSTITUTION CAMPUS SPACE DETAILS FOR VAWTER HALL ELECTRICAL ENHANCEMENTS AND REPLACEMENT

| | (| Current Campus Tota | ıls | | Capital I | Request | |
|--|-------------------------|---------------------------------|---------------------------------|---|-------------------------------|--|------------------|
| (INSERT PROJECT TITLE AND SBA No.) | Current Space in Use | Space Under Construction (1) | Space Planned and Funded (1) | Subtotal Current and Future Space | Space to be Terminated (1) | New Space in Capital Request (2) | Net Future Space |
| A. OVERALL SPACE IN ASF | | | | | | | |
| Classroom (110 & 115) | 336,545 | - | (211) | 336,334 | | | 336,334 |
| Class Lab (210,215,220,225,230,235) | 755,112 | 72,943 | 256 | 828,311 | | | 828,311 |
| Non-class Lab (250 & 255) | 1,660,895 | 16,022 | 32,432 | 1,709,349 | | | 1,709,349 |
| Office Facilities (300) | 2,385,957 | 17,570 | 7,784 | 2,411,311 | | | 2,411,311 |
| Study Facilities (400) | 392,685 | 14,337 | 664 | 407,686 | | | 407,686 |
| Special Use Facilities (500) | 1,218,311 | - | 12,709 | 1,231,020 | | | 1,231,020 |
| General Use Facilities (600) | 1,008,003 | 3,335 | 21,390 | 1,032,728 | | | 1,032,728 |
| Support Facilities (700) | 2,875,731 | (860) | (69) | 2,874,802 | | | 2,874,802 |
| Health Care Facilities (800) | 216,011 | - | - | 216,011 | | | 216,011 |
| Resident Facilities (900) | 2,489,928 | - | 254,158 | 2,744,086 | | | 2,744,086 |
| Unclassified (000) | 15,282 | - | - | 15,282 | | | 15,282 |
| B. OTHER FACILITIES (Please list major categories) | | | | | | | |
| TOTAL SPACE | 13,354,459 | 123,347 | 329,113 | 13,806,919 | | - | 13,806,919 |

Notes:

- Space/Room codes based on Postsecondary Ed Facilities Inventory and Classification Manual (2006)

(1) Identify in a footnote the specific facilities that are included in the data in these columns. Do not include pending approval, non-submitted projects or non-funded projects

Space under construction includes:

- Gateway Complex
- Hypersonics Building
- Schleman/Stewart Renovation
- Whistler Mechanical Project

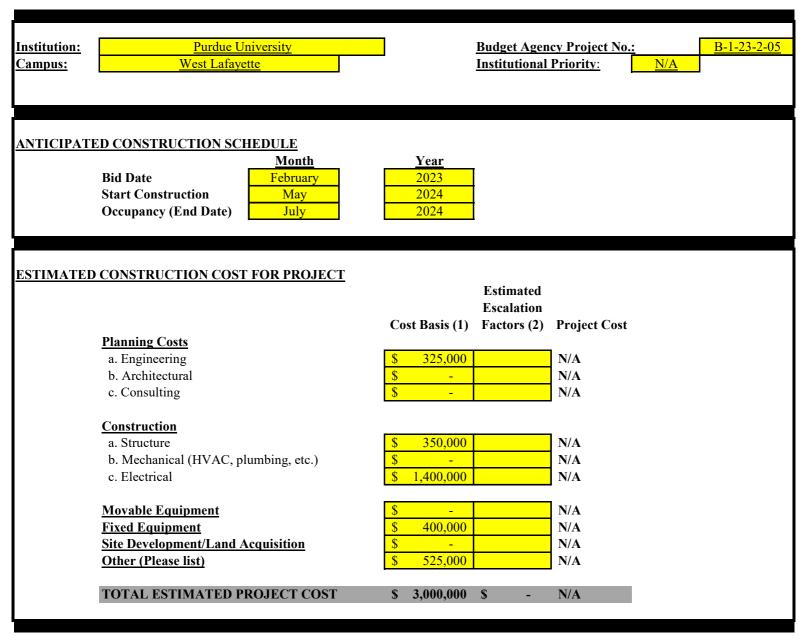
Space planned and funded includes:

- Life Sciences Phenotyping Greenhouse Building
- Mackey Locker Rooms Renovation
- Ross-Ade Stadium Renovation
- Max W & Maileen Brown Family Hall Renovation
- Northwest Chiller Plant System Improvements

There is no space to be added or terminated as part of this capital project.

CAPITAL PROJECT COST DETAILS

Vawter Hall Electrical Enhancements and Replacement



(1) Cost Basis is based on current cost prevailing as of: (INSERT MONTH AND YEAR)

(2) Explain in the Description of Project Section of the "Cap Proj Details" schedule the reasoning for estimated escalation factors

CAPITAL PROJECT OPERATING COST DETAILS

Vawter Hall Electrical Enhancements and Replacement

| <u>Institution:</u> Campus: | Purdue University West Lafayette |] | | | udget Agency Project No.: stitutional Priority: | | | <u>N/A</u> | <u>B-1-23-2-05</u> |
|--------------------------------|--|-------|----------------|-------|--|----------------------|------|--------------------|--------------------|
| ANNIIAL OI | PERATING COST/SAVINGS (1) | | | | <u>GSF OF ARE</u> | A AFFECTED | BY P | ROJECT | N/A |
| AINICAL | | | ost per GSF | | Total Operating Cost | Personal Services | - | plies and enses | |
| | 1. Operations | \$ | - | \$ | - | | \$ | - | |
| | 2. Maintenance | \$ | - | \$ | - | | \$ | - | |
| | 3. Fuel | \$ | - | \$ | - | | \$ | - | |
| | 4. Utilities | \$ | - | \$ | - | | \$ | - | |
| | 5. Other | \$ | - | \$ | - | | \$ | - | |
| TOTAL | ESTIMATED OPERATIONAL COST/SAVINGS | \$ | - | \$ | - | \$- | \$ | - | |
| | | | | | | | | | |
| | | | | | | | | | |
| Decomintion o | f any unusual factors offecting energing and main | tonon | an nast | leav | ing | | | | |
| Description o | f any unusual factors affecting operating and main | lenan | ce costs | s/sav | <u>angs.</u> | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
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| | | | | | | | | | |

(1) Based on figures from "Individual Cap Proj Desc" schedule