

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.
~ ~ ~ ~ ~ ~ ~		
Space Utilizati	<u>on</u> itilities project, there will be no significant spa	ace impact
	unities project, there will be no significant spa	
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.
Background M	laterials	

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

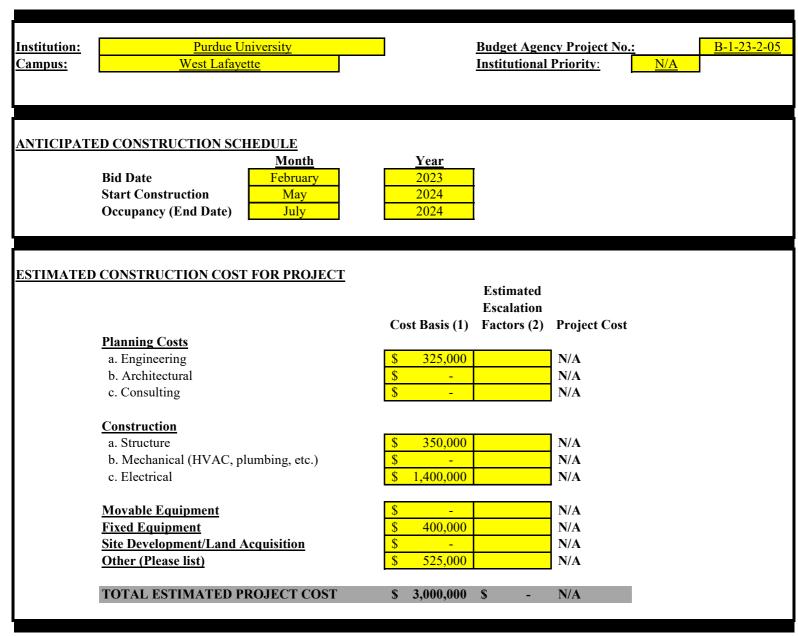
Space planned and funded includes:

- 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>				

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