

PURDUE

UNIVERSITY

OFFICE OF THE TREASURER AND CHIEF FINANCIAL OFFICER

July 31, 2014

The Honorable Michael R. Pence
 Governor of the State of Indiana
 State House
 Indianapolis, IN 46204

Dear Governor Pence:

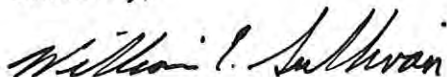
At its meeting on July 17, 2014, the Purdue University Board of Trustees approved the project, "Horticulture Building Power and Lighting Sub-Distribution Switchboard Replacement" on the Purdue University West Lafayette Campus.

This project will replace the electrical distribution system including the high voltage vault. A separate room for arc flash mitigation breakers and main distribution switchboards as well as new sub-distribution and branch circuit panel boards will be added. An arc flash study will be included.

The estimated cost of this project is \$3,000,000, to be funded from Repair and Rehabilitation – University Funds – F&A.

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 which 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 you may wish.

Sincerely,



W. E. Sullivan
 Treasurer and Chief Financial Officer

bjm

Attachments

c: Matt Hawkins, Associate Commissioner and Chief Financial Officer
 Brian Bailey, State Budget Director
 Mary Catherine Gaisbauer, Comptroller
 Kevin Green, Assistant Director of Capital Planning

PROJECT SUMMARY AND DESCRIPTION

FOR: Horticulture Building Power and Lighting Sub-Distribution Switchboard Replacement

Institution:	<input type="text" value="Purdue University"/>	Budget Agency Project No.:	<input type="text" value="B-1-15-2-01"/>
Campus:	<input type="text" value="West Lafayette"/>	Institutional Priority:	<input type="text" value="NA"/>
Previously approved by General Assembly:	<input type="text" value="NO"/>	Previously recommended by CHE:	<input type="text" value="NO"/>
Part of the Institution's Long-term Capital Plan:	<input type="text" value="YES"/>		

Project Summary Description:
 This project will replace the electrical distribution system including the high voltage vault. A separate room for arc flash mitigation breakers and main distribution switchboards as well as new sub-distribution and branch circuit panel boards will be added. An arc flash study will be included.

Summary of the impact on the educational attainment of students at the institution:
 NA

Project Size:	<input type="text" value="NA"/> GSF	<input type="text" value="NA"/> ASF	<input type="text" value="NA"/> ASF/GSF
Net change in overall campus space:	<input type="text" value="NA"/> GSF	<input type="text" value="NA"/> ASF	

Total cost of the project (1):	<input type="text" value="\$ 3,000,000"/>	Cost per ASF/GSF:	<input type="text" value="NA"/> GSF <input type="text" value="NA"/> ASF
Funding Source(s) for project (2):	<input type="text" value="\$ 3,000,000"/>	Repair and Rehabilitation - University Funds - F&A, balance as of 7/25/14 is \$6,513,125	
Estimated annual debt payment (4):	<input type="text" value="NA"/>		
Are all funds for the project secured:	<input type="text" value="YES"/>		
Estimated annual change in cost of building operations based on the project:	<input type="text" value="NA"/>		
Estimated annual repair and rehabilitation investment (3):	<input type="text" value="NA"/>		

(1) Projects should include all costs associated with the project (structure, A&E, infrastructure, consulting, FF&E, etc.)
 (2) Be consistent in the naming of funds to be used for projects. If bonding, note Bonding Authority Year (1965, 1929, 1927, etc.)
 (3) 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
 (4) If issuing debt, determine annual payment based on 20 years at 5.75% 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
FOR: Horticulture Building Power and Lighting Sub-Distribution Switchboard Replacement

Institution: Purdue University
Campus: West Lafayette

Budget Agency Project No.: B-1-15-2-01
Institutional Priority: N/A

Description of Project

This project will replace the electrical distribution system including the high voltage vault. A separate room for arc flash mitigation breakers and main distribution switchboards as well as new sub-distribution and branch circuit panel boards will be added. An arc flash study will be included.

Need and Purpose of the Program

This project will provide the Horticulture Building an updated, more reliable vault. The arc flash mitigation breaker provides a much safer system.

Space Utilization

NA

Comparable Projects

NA

Background Materials

NA

CAPITAL PROJECT REQUEST FORM
INDIANA PUBLIC POSTSECONDARY EDUCATION
INSTITUTION CAMPUS SPACE DETAILS FOR Horticulture Building Power and Lighting Sub Distribution Switchboard Replacement

B-1-15-2-01	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 ASE							
Classroom (110 & 115)	294,244	2,827	52,250	349,321	-	-	349,321
Class Lab (210,215,220,225,230,235)	546,637	8,118	(2,571)	552,184	-	-	552,184
Non-class Lab (250 & 255)	1,471,419	47,001	(628)	1,517,792	-	-	1,517,792
Office Facilities (300)	2,101,481	58,143	(24,083)	2,135,541	-	-	2,135,541
Study Facilities (400)	388,215	5,949	31,873	426,037	-	-	426,037
Special Use Facilities (500)	1,133,431	24,113	-	1,157,544	-	-	1,157,544
General Use Facilities (600)	823,097	31,757	4,000	858,854	-	-	858,854
Support Facilities (700)	3,020,680	281,093	(763)	3,301,010	-	-	3,301,010
Health Care Facilities (800)	83,596	-	-	83,596	-	-	83,596
Resident Facilities (900)	2,271,095	57,047	-	2,328,142	-	-	2,328,142
Unclassified (000)	20,164	9,395	(4,478)	25,081	-	-	25,081
B. OTHER FACILITIES							
(Please list major categories)	-	-	-	-	-	-	-
TOTAL SPACE	12,154,059	525,443	55,600	12,735,102	-	-	12,735,102

Notes:

- (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
(2) Should include capital projects requested by the institution based on 2013-15 Capital Request Summary

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

Space under construction includes: Ralph and Bettye Bailey Hall, Center for Student Excellence and Leadership, Drug Discovery, Harrison Street Parking Garage, Lyles-Porter Hall, Softball Stadium, Third Street Suites, Seng-Liang Wang Hall

Space planned and funded includes: Active Learning Center

Space to be terminated includes:

CAPITAL PROJECT COST DETAILS

FOR: Horticulture Building Power and Lighting Sub-Distribution Switchboard Replacement

Institution:	Purdue University	Budget Agency Project No.:	B-1-15-2-01
Campus:	West Lafayette	Institutional Priority:	N/A

ANTICIPATED CONSTRUCTION SCHEDULE

	<u>Month</u>	<u>Year</u>
Bid Date	October	2014
Start Construction	March	2015
Occupancy (End Date)	August	2015

ESTIMATED CONSTRUCTION COST FOR PROJECT

	Cost Basis (1)	Estimated Escalation Factors (2)	Project Cost
<u>Planning Costs</u>			
a. Engineering	\$ 242,000		\$ 242,000
b. Architectural			\$ -
c. Consulting			\$ -
<u>Construction</u>			
a. Structure			\$ -
b. Mechanical (HVAC, plumbing, etc.)			\$ -
c. Electrical	\$ 2,591,000		\$ 2,591,000
<u>Movable Equipment</u>			\$ -
<u>Fixed Equipment</u>			\$ -
<u>Site Development/Land Acquisition</u>			\$ -
<u>Contingencies, equipment, and commissioning</u>	\$ 167,000		\$ 167,000
TOTAL ESTIMATED PROJECT COST	\$ 3,000,000	\$ -	\$ 3,000,000

(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

FOR: Horticulture Building Power and Lighting Sub-Distribution Switchboard Replacement

Institution:	Purdue University	Budget Agency Project No.:	B-1-15-2-01
Campus:	West Lafayette	Institutional Priority:	N/A

	<u>GSF OF AREA AFFECTED BY PROJECT</u>			
ANNUAL OPERATING COST/SAVINGS (1)				
	Cost per GSF	Total Operating Cost	Personnel Services	Supplies and Expenses
1. Operations		\$ -		
2. Maintenance		\$ -		
3. Fuel		\$ -		
4. Utilities		\$ -		
5. Other		\$ -		
TOTAL ESTIMATED OPERATIONAL COST/SAVINGS		N/A	\$ -	\$ -

Description of any unusual factors affecting operating and maintenance costs/savings.

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