

March 26, 2014

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

Dear Governor Pence:

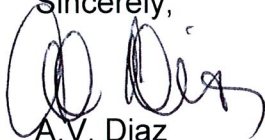
The financing and construction of the project, "Young Hall Electric Vault Upgrade" on the West Lafayette campus has been approved as required under the Bylaws of the Board of Trustees of Purdue University.

This project will upgrade the electrical vault serving Young Hall. The scope includes replacement of primary transformers and installation of arc-flash mitigation breakers. An updated arc-flash study to the main switchgear will be provided, and if funding permits, replacement of two main switchgears.

The estimated cost of this project is \$1,600,000, to be funded by University Repair and Rehabilitation General Funds.

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,



A.V. Diaz  
Executive Vice President for  
Business and Finance, Treasurer

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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: YOUNG HALL ELECTRIC VAULT UPGRADE**

<b>Institution:</b>	<input type="text" value="Purdue University"/>	<b>Budget Agency Project No.:</b>	<input type="text" value="B-1-14-2-20"/>
<b>Campus:</b>	<input type="text" value="West Lafayette"/>	<b>Institutional Priority:</b>	<input type="text" value="N/A"/>
<b>Previously approved by General Assembly:</b>	<input type="text" value="No"/>	<b>Previously recommended by CHE:</b>	<input type="text" value="No"/>
<b>Part of the Institution's Long-term Capital Plan:</b>	<input type="text" value="Yes"/>		

**Project Summary Description:**

Upgrade electrical vault serving Young Hall. To include: replace primary transformers, install Arc-Flash mitigation breakers, provide an updated Arc-Flash study to the main switchgear, and if funding permits, replace the two main switchgear.

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

No impact on the educational attainment of students is anticipated.

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

<b>Total cost of the project (1):</b>	<input type="text" value="\$ 1,600,000"/>	<b>Cost per ASF/GSF:</b>	<input type="text" value="N/A"/> GSF
			<input type="text" value="N/A"/> ASF

<b>Funding Source(s) for project (2):</b>	<input type="text" value="\$ 1,600,000"/>	Repair and Rehabilitation - University Funds, derived from General Funds including State Appropriations and Mandatory Student Fees
	<input type="text"/>	
	<input type="text"/>	

**Estimated annual debt payment (4):**

**Are all funds for the project secured:**

**Estimated annual change in cost of building operations based on the project:**

**Estimated annual repair and rehabilitation investment (3):**

(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: YOUNG HALL ELECTRIC VAULT UPGRADE**

**Institution:**   
**Campus:**

**Budget Agency Project No.:**   
**Institutional Priority:**

**Description of Project**

Upgrade the existing electrical vaults serving Young Hall. North and South vaults are to be condensed into one vault (South). Install two new transformers, high voltage switch, and Arc-Flash mitigation breakers. If funding permits, replace main building switchgear with the North gear taking priority.

**Need and Purpose of the Program**

This project will provide a more reliable electrical system for the building occupants and a safer working environment for those tasked to maintain and operate electrical equipment. Existing equipment has served its useful life and have begun to fail in the past couple of years.

**Space Utilization**

No change in space utilization is anticipated.

**Comparable Projects**

This project is similar to others that have been ongoing of the past 10 years. Vault upgrades to Stewart Center, EE, HAAS, and PMU.

**Background Materials**

N/A

**CAPITAL PROJECT REQUEST FORM**  
**INDIANA PUBLIC POSTSECONDARY EDUCATION**  
**INSTITUTION CAMPUS SPACE DETAILS FOR YOUNG HALL ELECTRICAL VAULT UPGRADE**

<b>YOUNG HALL ELECTRICAL VAULT UPGRADE</b>	<b>Current Space in Use</b>	<b>Space Under Construction (1)</b>	<b>Space Planned and Funded (1)</b>	<b>Subtotal Current and Future Space</b>	<b>Space to be Terminated (1)</b>	<b>New Space in Capital Request (2)</b>	<b>Net Future Space</b>
<b>A. OVERALL SPACE IN ASF</b>							
Classroom (110 & 115)	293,153	2,827	52,250	348,230	-	-	348,230
Class Lab (210,215,220,225,230,235)	548,826	8,118	(2,571)	554,373	-	-	554,373
Non-class Lab (250 & 255)	1,466,462	57,604	(628)	1,523,438	-	-	1,523,438
Office Facilities (300)	2,097,147	61,194	(24,083)	2,134,258	-	-	2,134,258
Study Facilities (400)	387,858	5,949	31,873	425,680	-	-	425,680
Special Use Facilities (500)	1,129,708	16,691	9,578	1,155,977	-	-	1,155,977
General Use Facilities (600)	823,761	30,525	5,065	859,351	-	-	859,351
Support Facilities (700)	3,022,697	281,093	(226)	3,303,564	-	-	3,303,564
Health Care Facilities (800)	83,596	-	-	83,596	-	-	83,596
Resident Facilities (900)	2,271,095	57,045	-	2,328,140	-	-	2,328,140
Unclassified (000)	15,731	9,395	(2,148)	22,978	-	-	22,978
<b>B. OTHER FACILITIES</b> (Please list major categories)	-	-	-	-	-	-	-
<b>TOTAL SPACE</b>	<b>12,140,034</b>	<b>530,441</b>	<b>69,110</b>	<b>12,739,585</b>	<b>-</b>	<b>-</b>	<b>12,739,585</b>

**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, BIND Addition, Center for Student Excellence and Leadership, Drug Discovery, Harrison Street Parking Garage, Lyles-Porter Hall, Third Street Suites, Seng-Liang Wang Hall

Space planned and funded includes: Active Learning Center, Softball Stadium

Space to be terminated includes:

**CAPITAL PROJECT COST DETAILS  
FOR: YOUNG HALL ELECTRIC VAULT UPGRADE**

<b>Institution:</b>	Purdue University	<b>Budget Agency Project No.:</b>	B-1-14-2-20
<b>Campus:</b>	West Lafayette	<b>Institutional Priority:</b>	N/A

**ANTICIPATED CONSTRUCTION SCHEDULE**

	<b>Month</b>	<b>Year</b>
<b>Bid Date</b>	April	2014
<b>Start Construction</b>	September	2014
<b>Occupancy (End Date)</b>	November	2014

**ESTIMATED CONSTRUCTION COST FOR PROJECT**

	<b>Cost Basis (1)</b>	<b>Estimated Escalation Factors (2)</b>	<b>Project Cost</b>
<b><u>Planning Costs</u></b>			
a. Engineering			\$ 271,500
b. Architectural			\$ -
c. Consulting			\$ -
<b><u>Construction</u></b>			
a. Structure			\$ -
b. Mechanical (HVAC, plumbing, etc.)			\$ -
c. Electrical			\$ 865,982
<b><u>Movable Equipment</u></b>			\$ -
<b><u>Fixed Equipment</u></b>			\$ -
<b><u>Site Development/Land Acquisition</u></b>			\$ -
<b><u>Other (PM fees, contingency, and soft costs)</u></b>			\$ 462,518

(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: YOUNG HALL ELECTRIC VAULT UPGRADE**

<b>Institution:</b>	Purdue University	<b>Budget Agency Project No.:</b>	B-1-14-2-20
<b>Campus:</b>	West Lafayette	<b>Institutional Priority:</b>	N/A

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

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

**Operating Costs are not applicable to this project.**

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