

June 22, 2012

The Honorable Mitchell E. Daniels, Jr.  
Governor of the State of Indiana  
State House  
Indianapolis, IN 46204

Dear Governor Daniels:

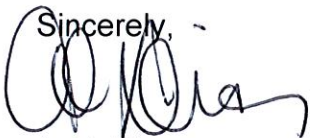
At its meeting on May 11, 2012, the Purdue University Board of Trustees approved the project, "West Lafayette Campus Metering Installation" on the Purdue University West Lafayette Campus.

This project will install steam, chilled water, domestic water, and electricity metering to major buildings on campus. This will result in better management of energy usage in individual campus buildings. Physical Facilities will self-perform most of the design and installation work utilizing a standard meter for each utility system. The work will occur over the next 2-3 years.

The estimated cost of this project is \$5,000,000, to be funded from University Funds – Central Reserves – Infrastructure Reserve.

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

bjm

Attachments

c: Jason Dudich, Associate Commissioner and Chief Financial Officer  
Adam Horst, State Budget Director  
Mary Catherine Gaisbauer, Comptroller  
Kevin Green, Assistant Director of Capital Planning

## Project Summary

### MAJOR REPAIR AND REHABILITATION

INSTITUTION: PURDUE UNIVERSITY CAMPUS: WEST LAFAYETTE  
PROJECT TITLE: West Lafayette Campus Metering Installation BUDGET AGENCY NO.: B-1-12-2-21  
INSTITUTION'S PRIORITY: \_\_\_\_\_

#### PROJECT SUMMARY DESCRIPTION (ATTACHMENT A)

This project will install steam, chilled water, domestic water, and electricity metering to major buildings on campus. This will result in better management of energy usage in individual campus buildings. Physical Facilities will self-perform most of the design and installation work utilizing a standard meter for each utility system. The work will occur over the next 2-3 years.

#### SUMMARY OF NEED AND NET CHANGE IN CONTRIBUTION TO EDUCATIONAL SERVICES PROVIDED BY INSTITUTION (ATTACHMENT B)

This project supports the Comprehensive Energy Master Plan (CEMP) developed for the West Lafayette campus. This plan was undertaken to identify and meet the long-term energy needs on the West Lafayette campus over the coming years.

The resulting CEMP accommodates the current and planned growth in the campus physical plant. Additionally, the revised plan is cost efficient and has improved environmental and regulatory impacts.

#### SPACE DATA (ATTACHMENT C)

|   |       |     |       |     |       |     |       |         |
|---|-------|-----|-------|-----|-------|-----|-------|---------|
| AREA AFFECTED BY THE PROJECT:                       | _____ | N/A | _____ | GSF | _____ | N/A | _____ | ASF     |
| PROJECT SIZE:                                       | _____ | N/A | _____ | GSF | _____ | N/A | _____ | ASF/GSF |
| NET CHANGE IN CAMPUS ACADEMIC/ADMINISTRATIVE SPACE: | _____ |     | _____ |     | _____ | 0   | _____ | ASF     |

#### TOTAL PROJECT BUDGET (ATTACHMENT D)

|   |               |           |       |        |    |     |       |
|---|---------------|-----------|-------|--------|----|-----|-------|
| TOTAL ESTIMATED COST:                   | \$            | 5,000,000 | _____ | \$/GSF | \$ | N/A | _____ |
| ANTICIPATED DATE OF PROJECT COMPLETION: | December 2015 |           |       |        |    |     |       |

#### ANTICIPATED SOURCES OF FUNDING (ATTACHMENT E)

|   |    |           |       |
|---|----|-----------|-------|
| University Funds - Central Reserves -Infrastructure Reserve | \$ | 5,000,000 | _____ |
| TOTAL BUDGET  | \$ | 5,000,000 | _____ |

#### ESTIMATED CHANGE IN ANNUAL OPERATING BUDGET AS A RESULT OF THIS PROJECT (ATTACHMENT F)

\$ 0 \_\_\_\_\_ INCREASE \_\_\_\_\_ DECREASE

NOTE: SEE ATTACHMENTS FOR SUPPORTING INFORMATION REQUEST TO BE SUBMITTED WITH PROJECT SUMMARY FORM.

## MAJOR REPAIR AND REHABILITATION

BUDGET AGENCY NUMBER:

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DESCRIPTION OF THE PROJECT:

This project will install steam, chilled water, domestic water, and electricity metering to major buildings on campus. This will result in better management of energy usage in individual campus buildings. Physical Facilities will self-perform most of the design and installation work utilizing a standard meter for each utility system. The work will occur over the next 2-3 years.

PLANNING CHANGES:

N/A

RELATIONSHIP TO OTHER CAPITAL IMPROVEMENT PROJECTS:

These projects are essential to support new construction on campus: Herrick Lab, Bindley Addition, Rec Sports, Health & Human Science Research Facility, Drug Discovery Facility, Center for Student Excellence and Leadership, and Vawter Field Housing plus the projects identified in the Capital Ten-Year Plan.

HISTORICAL SIGNIFICANCE:

N/A

**MAJOR REPAIR AND REHABILITATION**

BUDGET AGENCY NUMBER:

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RELATIONSHIP TO MISSION AND LONG-RANGE PLANNING

This project supports the Comprehensive Energy Master Plan (CEMP) developed for the West Lafayette campus. This plan was undertaken to identify and meet the long-term energy needs on the West Lafayette campus over the coming years.

The resulting CEMP accommodates the current and planned growth in the campus physical plant. Additionally, the revised plan is cost efficient and has improved environmental and regulatory impacts.

NEED AND EXPECTED CONTRIBUTION TO EDUCATIONAL SERVICES:

N/A

ALTERNATIVES CONSIDERED:

N/A

PRIORITY RANKING:

N/A

RELATIONSHIP TO LONG-RANGE FACILITY PLANS:

The overarching goal of the CEMP was to assess the current status of Purdue's operations and develop a solid plan for the near-term that is aligned with future long-term campus energy requirements.

**MAJOR REPAIR AND REHABILITATION**

BUDGET AGENCY NUMBER: B-1-12-2-21

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**CAMPUS ACADEMIC/ADMINISTRATIVE SPACE:**

Gross Square Footage: 9,943,779      Assignable Square Footage: 5,964,129

**TOTAL AREA IN FACILITY OR STRUCTURE: (All Campus Academic/Administrative Buildings)**

Gross Square Footage: 9,943,779      Assignable Square Footage: 5,964,129

PROVIDE A TABULAR BREAKDOWN OF THE FACILITY'S ASSIGNABLE AREA AS PRESENTLY USED AND AS PLANNED UPON COMPLETION OF THE PROJECT:

|   | ASF                     |                         |                         |
|---|-------------------------|-------------------------|-------------------------|
|   | TOTAL BUILDING          | FUTURE USE              | PRESENT USE             |
| <b><u>INSTRUCTION AND LIBRARY SPACE</u></b>     |                         |                         |                         |
| (a) Classroom (110,115)                         | <u>280,053</u>          | <u>280,053</u>          | <u>280,053</u>          |
| (b) Class Laboratories (210,215,220,225)        | <u>555,733</u>          | <u>555,733</u>          | <u>555,733</u>          |
| (c) Libraries (410 thru 455)                    | <u>359,317</u>          | <u>359,317</u>          | <u>359,317</u>          |
| (d) All Other (540,545,550, 555)                | <u>22,196</u>           | <u>22,196</u>           | <u>22,196</u>           |
| Subtotal  | <u>1,217,299</u>        | <u>1,217,299</u>        | <u>1,217,299</u>        |
| <b><u>INSTRUCTION RELATED</u></b>               |                         |                         |                         |
| (e) Office (310 thru 355)                       | <u>1,867,641</u>        | <u>1,867,641</u>        | <u>1,867,641</u>        |
| (f) All Other (510 thru 535)                    | <u>329,214</u>          | <u>329,214</u>          | <u>329,214</u>          |
| Subtotal  | <u>2,196,855</u>        | <u>2,196,855</u>        | <u>2,196,855</u>        |
| <b><u>RESEARCH SPACE</u></b>                    |                         |                         |                         |
| (g) Non-Class Laboratories (250,255)            | <u>1,418,954</u>        | <u>1,418,954</u>        | <u>1,418,954</u>        |
| (h) Other (570,575,580,585)                     | <u>186,962</u>          | <u>186,962</u>          | <u>186,962</u>          |
| Subtotal  | <u>1,605,916</u>        | <u>1,605,916</u>        | <u>1,605,916</u>        |
| <b><u>HEALTH CARE SPACE (SUBTOTAL)</u></b>      | <u>76,330</u>           | <u>76,330</u>           | <u>76,330</u>           |
| <b><u>RELATED SUPPORTING FACILITIES</u></b>     | <u>784,273</u>          | <u>784,273</u>          | <u>784,273</u>          |
| <b><u>SUBTOTAL</u></b>                          | <u>5,880,673</u>        | <u>5,880,673</u>        | <u>5,880,673</u>        |
| <b><u>OTHER ASSIGNABLE SPACE (SUBTOTAL)</u></b> | <u>83,456</u>           | <u>83,456</u>           | <u>83,456</u>           |
| <b><u>TOTAL</u></b>                             | <u><u>5,964,129</u></u> | <u><u>5,964,129</u></u> | <u><u>5,964,129</u></u> |

**Attachment D  
Project Cost**

**MAJOR REPAIR AND REHABILITATION**

BUDGET AGENCY NUMBER: \_\_\_\_\_

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| ANTICIPATED CONSTRUCTION SCHEDULE                                  |                              | MONTH                     | YEAR                             |
|--|------------------------------|---------------------------|----------------------------------|
| Bid Date   |                              | January                   | 2013                             |
| Start Construction   |                              | January                   | 2013                             |
| Occupancy  |                              | December                  | 2015                             |
| <b>ESTIMATED CONSTRUCTION COST:</b>                                |                              |                           |                                  |
|  | PROJECT<br>COST BASIS<br>(a) | ESCALATION<br>FACTORS (b) | ESTIMATED<br>PROJECT<br>COST (c) |
| Planning Costs   |                              |                           |                                  |
| Academic Facilities Planning Fund                                  | \$                           | \$                        | \$                               |
| Other Architectural Fee  | \$                           | \$                        | \$                               |
| Construction Structure   |                              |                           |                                  |
| Structure  | \$                           | \$                        | \$                               |
| Mechanical (Plumbing, HVAC, Elevators)                             | \$                           | \$                        | \$ 3,000,000                     |
| Electrical   | \$                           | \$                        | \$ 1,500,000                     |
| Movable Equipment  | \$                           | \$                        | \$                               |
| Fixed Equipment  | \$                           | \$                        | \$                               |
| Site Development/Land Acquisition                                  | \$                           | \$                        | \$                               |
| Other (Supervision and testing, PM fees, insurance, contingencies) | \$                           | \$                        | \$ 500,000                       |
| <b>Total Estimated Project Cost</b>                                | <b>\$</b>                    | <b>\$</b>                 | <b>\$ 5,000,000</b>              |

(a) Based on current costs prevailing as of (month, year) May 2012

(b) Explain the basis for arriving at this estimate  
Based on costs for an existing project which includes 44 buildings getting metered

(c) Description of unique building characteristics, design features, construction materials, site development factors or other considerations affecting cost estimates on a separate page immediately following.

Attachment E  
Source(s) of Funding

MAJOR REPAIR AND REHABILITATION

BUDGET AGENCY NUMBER:

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ESTIMATED TOTAL PROJECT COST: \$ 5,000,000

SOURCES OF FUNDING:

Prior Appropriation (Acts of \_\_\_\_\_ ) \$ \_\_\_\_\_

State Appropriation Requested \$ \_\_\_\_\_

Bonding Authority (Acts of 1965) \$ \_\_\_\_\_

Bonding Authority (Acts of 1929) \$ \_\_\_\_\_

Lease Purchase \$ \_\_\_\_\_

Other: University Funds - Central Reserves - Infrastructure Reserve \$ 5,000,000

(specify)

EXPLANATION OF ANY UNIQUE FUNDING FEATURES:

**Attachment F  
Estimated Change in Operating Costs**

**MAJOR REPAIR AND REHABILITATION**

BUDGET AGENCY NUMBER: \_\_\_\_\_

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GROSS SQUARE FOOTAGE OF AREA AFFECTED BY PROJECT:                     N/A                                         GSF                    

ANNUAL OPERATING COST:

|                                       | COST PER<br>SQUARE FOOT        | TOTAL COST  | PERSONNEL<br>SERVICES                                 | SUPPLIES AND<br>EXPENSE                               |
|---------------------------------------|--------------------------------|---|---|---|
| Operations                            | \$ _____                       | \$ _____  | \$ _____  | \$ _____  |
| Maintenance                           | \$ _____                       | \$ _____  | \$ _____  | \$ _____  |
| Fuel                                  | \$ _____                       | \$ _____  | \$ _____  | \$ _____  |
| Utilities                             | \$ _____                       | \$ _____  | \$ _____  | \$ _____  |
| Other                                 | \$ _____                       | \$ _____  | \$ _____  | \$ _____  |
| <b>TOTAL</b>                          | \$ <u>                    </u> | \$ <u>                    </u>                        | \$ <u>                    </u>                        | \$ <u>                    </u>                        |
| <u>LESS OPERATING COST OF:</u>        |                                |   |   |   |
| Existing Area Affected (Office Space) |                                | \$ _____  | \$ _____  | \$ _____  |
| *Other Space Affected                 |                                | \$ _____  | \$ _____  | \$ _____  |
| <b>ESTIMATED CHANGE IN COST</b>       |                                | \$ <u>                    N/A                    </u> | \$ <u>                    N/A                    </u> | \$ <u>                    N/A                    </u> |

DESCRIPTION OF ANY UNUSUAL FACTORS AFFECTING OPERATING AND MAINTENANCE COST:

DESCRIPTION OF ANTICIPATED PLANT EXPANSION REQUEST

Of the above "Estimated Change In Cost," what amount (if any) will be requested as a "plant expansion" adjustment to the Institution's operating budget? Beginning on what date? Based on current costs prevailing as of (month, year)                     N/A