

All Agency Project Request

2013 - 2015 Biennium

<u>Agency</u>	<u>Institution</u>	<u>Building No.</u>	<u>Building Name</u>
University of Wisconsin	Madison	285-0A-9950	Multi-Building
<u>Project No.</u>	13E4Z	<u>Project Title</u>	Multi-Bldg Emergency Transfer Switch Repl

Project Intent

This project replaces obsolete emergency power transfer switches in multiple campus buildings to improve the reliability of the emergency power distribution system serving critical building and life safety systems.

Project Description

Project work includes replacing the transfer switches in the following sixteen campus buildings: Agriculture Hall (285-0A-0070), Animal Sciences (285-0A-0118), Atmospheric Oceanic & Space Sciences (285-0A-0156), Brogden Psychology (285-0A-0470), Camp Randall Sports Center (285-0A-0025), Computer Sciences (285-0A-0155), Educational Sciences (285-0A-0154), Helen C White Hall (285-0A-0018), Humanities (285-0A-0469), Elvehjem/Chazen Building (285-0A-0544), Medical Science Center (285-0A-0450), Nielsen Tennis Stadium (285-0A-0038), Noland Zoology (285-0A-0402), Social Sciences (285-0A-0046), Steenbock Library (285-0A-0079), and Van Vleck Hall (285-0A-0048).

Project Justification

These transfer switches range in age between 36 and 50 years old. The switches are obsolete and replacement parts are no longer available. Power coil and timer failures are increasing and pose a threat to occupant safety. These switches should be replaced to ensure emergency power from the building emergency electrical generator is fed to critical building and life safety systems during a power outage.

A/E Consultant Requirements

Consultants should have specific expertise and experience in the design and coordination of institutional construction and infrastructure (architectural, mechanical) renovations and, specifically, building electrical distribution system design and renovations as part of a design team. Work includes site surveys, acquiring field data, and verifying as-built conditions to assure accurate development of design and bidding documents, and production of necessary design and bidding documents. Consultants should indicate specific projects from past experience (including size, cost, and completion date) in their letter of interest and when known, include proposed consulting partners and specialty consultants.

A/E Selection Required?

Commissioning

- Level 1
 Level 2

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Project Budget

Construction Cost:	\$200,000	
Haz Mats:	\$0	
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Construction Total:	\$200,000	
Contingency: 15%	\$29,800	
A/E Design Fees: 8%	\$16,000	
DFD Mgmt Fees: 4%	\$9,200	
Equipment/Other:	\$0	
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	\$255,000	

Funding Source

GFSB - Facilities Maintenance & Renovation [Z060]	\$238,000
PRSB - []	\$0
Agency/Institution Cash [AGF0]	\$17,000
Gifts	\$0
Grants	\$0
Building Trust Funds [BTF]	\$0
Other Funding Source	\$0
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	\$255,000

Project Schedule

SBC Approval: 09/2013
 A/E Selection: 10/2013
 Bid Opening: 04/2014
 Construction Start: 06/2014
 Substantial Completion: 12/2014
 Project Close Out: 03/2015

Project Contact

Contact Name: Michael Dauck
 Email: <mdauck@fpm.wisc.edu>
 Telephone No.: (608) 265-3903 x

Project Scope Consideration Checklist

- | | <u>Y</u> | <u>N</u> |
|--|-------------------------------------|-------------------------------------|
| 1. Will the building or area impacted by the project be occupied during construction? If yes, explain how the occupants will be accommodated during construction.

<i>All project work will be coordinated through campus physical plant staff to minimize disruptions to daily operations and activities.</i> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Is the project an extension of another authorized project? If so, provide the project #... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. Are hazardous materials involved? If yes, what materials are involved and how will they be handled?

<i>Hazardous materials abatement is not anticipated on this project. Comprehensive building survey inventory data is not available on Wisconsin's Asbestos & Lead Management System (WALMS) <http://walms.doa.state.wi.us/>.</i> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 4. Will the project impact the utility systems in the building and cause disruptions? If yes, to what extent?

<i>All project work will be coordinated through campus physical plant staff to minimize disruptions to daily operations and activities.</i> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 5. Will the project impact the heating plant, primary electrical system, or utility capacities supplying the building? If yes, to what extent? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 6. Are other projects or work occurring within this project's work area? If yes, provide the project # and/or description of the other work in the project scope. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

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7. Have you identified the WEPA designation of the project...Type I, Type II, or Type III?
Type III.
8. Is the facility listed on a historic register (federal or state), or is the facility listed by the Wisconsin Historical Society as a building of potential historic significance? If yes, describe here.
9. Are there any other issues affecting the cost or status of this project?
10. Will the construction work be limited to a particular season or window of opportunity? If yes, explain the limitations and provide proposed solution.
11. Will the project improve, decrease, or increase the function and costs of facilities operational and maintenance budget and the work load? If yes, to what extent?
12. Are there known code or health and safety concerns? If yes, identify and indicate if the correction or compliance measure was included in the budget estimate, or indicate plans for correcting the issue(s).
Replacing the transfer switches will provide reliable electrical service during power interruptions.
13. Are there potential energy or water usages reduction grants, rebates, or incentives for which the project may qualify (i.e. Focus on Energy <<http://www.focusonenergy.com>> or the local utility provider)? If yes, describe here.
14. If this is an energy project, indicate and describe the simple payback on state funding sources in years and the expected energy reduction here.