

REC
2/19/15

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MTSU Clean Energy Initiative Project Funding Request

There are five (5) sections of the request to complete before submitting.

1. General Information	
Name of Person Submitting Request Jeff McConnell	
Department/Office Facilities Services	Phone # (Office)898.5883
MTSU Box # 0032	Phone # (Cell)
E-mail	Submittal Date 2/19/2015

2. Project Categories (Select One)			
Select the category that best describes the project.			
<input checked="" type="checkbox"/>	Energy Conservation/Efficiency	<input type="checkbox"/>	Sustainable Design
<input type="checkbox"/>	Alternative Fuels	<input type="checkbox"/>	Other
<input type="checkbox"/>	Renewable Energy		

3. Project Information	
a. Please provide a brief descriptive title for the project.	
b. The project cost estimate is the expected cost of the project to be considered by the committee for approval, which may differ from the total project cost in the case of matching funding opportunities. Any funding request is a 'not-to-exceed' amount. Any proposed expenditure above the requested amount will require a resubmission.	
c. List the source of project cost estimates.	
3a. Project Title: Siemens Energy Analysis	
3b. Project Cost Estimate \$12000	
3c. Source of Estimate	
Supplier	

4. Project Description

(Completed in as much detail as possible.)

- a. The scope of the work to be accomplished is a detailed description of project activities.
- b. The benefit statement describes the advantages of the project as relates to the selected project category.
- c. The location of the project includes the name of the building, department, and/or specific location of where the project will be conducted on campus.
- d. List any departments you anticipate to be involved. Were any departments consulted in preparation of this request? Who? A listing may be attached to this form when submitted.
- e. Provide information for anticipated future operating and/or maintenance requirements occurring as a result of the proposed project.
- f. Provide any additional comments or information that may be pertinent to approval of the project funding request.

4a. Scope: Work to be accomplished

Science Building Energy analysis

Review facility documentation, setup, profile, and analyze Building Automation Trend (BAS) files.

Develop a list of findings, select and prioritize any operational improvements that are discovered during the analysis.

Provide a plan to implement a real time display exhibit of the building energy performance. e.g. computer dashboard.

4b. Scope: Benefit Statement

Systems that use the most energy represent the greatest efficiency opportunities. Determining energy use by function – lighting, cooling, fan, heating, plug loads – can identify cost-effective efficiency projects. As the new Science building comes to life the support systems use campus utilities. Developing a base line energy consumption profile for the Science building will help in implementing energy improvement measures for the future.

4. Project Description (continued)

4c. Location of Project (Building, etc.)

New Science Building

4d. Participants and Roles

Facilities Technician: Utilizing BAS, collecting any data not generated by BAS

Facilities Engineer: data analysis project management.

Siemens Engineer: direction and plan for accomplishing work scope.

4e. Future Operating and/or Maintenance Requirements

Facilities Technician: Collection of BAS trend data

4f. Additional Comments or Information Pertinent to the Proposed Project

As demand for energy use in this country grows, reducing energy waste becomes more and more a priority.

5. Project Performance Information

Provide information if applicable.

- a. Provide information on estimated annual energy savings stated in units such as kW, kWh, Btu, gallons, etc.
- b. Provide information on estimated annual energy cost savings in monetary terms.
- c. Provide information on any annual operating or other cost savings in monetary terms. Be specific.
- d. Provide information about any matching or supplementary funding opportunities that are available. Identify all sources and explain.

5a. Estimated Annual Energy Savings (Estimated in kW, kWh, Btu, etc.)

5b. Annual Energy COST Savings (\$)

5c. Annual Operating or Other Cost Savings. Specify. (\$)

5d. Matching or Supplementary Funding (Identify and Explain)

n/a