dlc 9/27/19

(11)

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 09/27/2019

2. Project Categories (Select One)			
Select the category that best describes the project.			
x	Energy Conservation/Efficiency		Sustainable Design
	Alternative Fuels		Other
	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: Data Loggers for Energy efficiency analysis
3b. Project Cost Estimate $4000
3c. Source of Estimate Supplier, in house labor for installation and collection of data

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

Lighting Systems

Lighting energy use is defined by two quantities: power (Watts) and operating hours. The power draw of individual lighting fixtures is easily measured, but operating hours are more difficult to establish data loggers can provide this information.

HVAC Performance

Because many HVAC components – fans, compressors, cooling towers, boilers – are variable load devices, data loggers provide can provide valuable performance information.

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

4. Project Description (continued)

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

Campus

4d. Participants and Roles

Facilities Technician: Installation labor

Facilities personnel/Student help: data collection

Facilities Engineer: data analysis and recommendations

4e. Future Operating and/or Maintenance Requirements

Facilities Technician: Removal of loggers and installation at new location for further observation.

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

n/a

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