Rec 9/30/14

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MTSU Clean Energy Initiative Project Funding Request

There are five (5) sections of the request to complete before submitting. See http://www.mtsu.edu/~sga/cleanenergy.htm for funding guidelines.

1. General Information	
Name of Person Submitting Request : Leslie Mayberry	
Department/Office : Energy Services	Phone # (Office) 615-904-8356
MTSU Box # 32	Phone # (Cell) 615-238-7391
E-mail : LMayberr@mtsu.edu	Submittal Date 9-11-2014

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. d. Provide a brief explanation in response to question regarding previous funding.
3a. Project Title : M2G –Boiler Sequencing Controller (Sam Ingram Building)
3b. Project Cost Estimate : $7,698
3c. Source of Estimate : Greffen System
3d. If previous funding from this source was awarded, explain how this request differs? N/A

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 specific information on anticipated student involvement or benefit.
f. Provide information for anticipated future operating and/or maintenance requirements occurring as a result of the proposed project.
g. Provide any additional comments or information that may be pertinent to approval of the project funding request.

4a. Scope: Work to be accomplished

To purchase and install an advanced M2G boiler Sequencing controller.

4b. Scope: Benefit Statement

This controller will reduce natural gas usage and provides a ROI in most cases of less than three years. The M2G not only saves gas but with the reduction of boiler firings it will reduce the amount of carbon that is released into the atmosphere as well as give extended life to MTSU boilers.M2G has been installed at the University of Georgia, South Carolina, Loyola, Texas, and North Carolina with positive results. MTSU will keep track of gas usage to insure the microprocessor performs as advertised. It would be good for MTSU to install this technology.

4. Project Description (continued)

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

4d. Participants and Roles Greffen System

4e. Student participation and/or student benefit n/a

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4f. Future Operating and/or Maintenance Requirements none

4g. Additional Comments or Information Pertinent to the Proposed Project n/a

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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.) see 5b

5b. Annual Energy COST Savings ($) Projected savings per year is $2,366.Payback for this project will be in 3.25 years. M2G boiler controller is expected to last for at least 15 years giving MTSU an additional $35,490 in savings. See attachment on executive summary from Greffen Systems

5c. Annual Operating or Other Cost Savings. Specify. ($) none

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