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MTSU Clean Energy Initiative Project Funding Request

There are five (5) sections of the request to complete before submitting. See 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 2-24-2013

2. Project Categories (Select One)	
Select the category that best describes the project.	
<input 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
<p>a. Please provide a brief descriptive title for the project.</p> <p>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.</p> <p>c. List the source of project cost estimates.</p> <p>d. Provide a brief explanation in response to question regarding previous funding.</p>
3a. Project Title : Coil Replacement to Reduce Energy Consumption(McFarland Building)
3b. Project Cost Estimate : \$15,603
3c. Source of Estimate : MTSU, Dillingham & Smith
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

This project is to replace one coil in McFarland Building. **This Coil has been in place for 44 years.** Air flow across coil has been cut by at least 30-40% due to build up of dirt inside and outside of coil. Cleaning coils under these conditions will not improve efficiency by a great amount. Higher efficiency will be achieved by replacing coils.

4b. Scope: Benefit Statement

Energy savings realized by improving the overall efficiency in the building, improve heating and cooling comfort levels, and requiring less energy to run the system.

4. Project Description (continued)
4c. Location of Project (Building, etc.) McFarland Building
4d. Participants and Roles MTSU, Dillingham & Smith
4e. Student participation and/or student benefit None
4f. Future Operating and/or Maintenance Requirements None
4g. Additional Comments or Information Pertinent to the Proposed Project

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 (\$) tbd, Less water usage, improved thermal heat transfer, better control of room temperatures, and pumps will run more efficiently. Estimate energy saving \$1,300 per year(25 years life of coil \$32,500)

5c. Annual Operating or Other Cost Savings. Specify. (\$) Better system will lessen the need for repairs.

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



McFarland coil