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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.shtml> for funding guidelines. Save completed form and email to cee@mtsu.edu or mail to MTSU Box 57.

1. General Information	
Name of Person Submitting Request Kristin England	
Department/Office Facilities Services	Phone # (Office) 615-898-2306
MTSU Box # Box 32	Phone # (Cell)
E-mail kristin.england@mtsu.edu	Submittal Date 9/28/23

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
<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 Removable Insulation for Mechanical Room Equipment
3b. Project Cost Estimate \$20,000
3c. Source of Estimate Supplier provided
3d. If previous funding from this source was awarded, explain how this request differs?

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 provide removable insulation to mechanical room equipment such as valves, steam traps, pumps, etc where there currently is no insulation or damaged insulation.

4b. Scope: Benefit Statement

Since this equipment is not currently insulated or has damaged insulation, we are losing heat to the environment. Because we are losing this energy to the environment, we are having to use more steam or chilled water from our central plant to compensate for the losses to the environment. By insulating equipment, we will conserve this energy and reduce the load on our central plant.

4. Project Description (continued)
<p>4c. Location of Project (Building, etc.) A variety of equipment from some of the following buildings: Central Plant, Science Building, Rec Center, Alumni Memorial Gym, Murphy Center, Keathley University Center, and Cope Administration Building.</p>
<p>4d. Participants and Roles Engineering Services Systems Engineer Insulation Contractor Supplier Possible Maintenance Support</p>
<p>4e. Student participation and/or student benefit</p>
<p>4f. Future Operating and/or Maintenance Requirements All equipment will still be operational even with insulation installed. Removable insulation will be easier to remove when maintenance does need to be performed on equipment.</p>
<p>4g. Additional Comments or Information Pertinent to the Proposed Project</p>

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.)

Heat loss study to be completed by supplier by 10/6/23. I will provided the estimated annual energy savings at that time.

5b. Annual Energy COST Savings (\$)

Heat loss study to be completed by supplier by 10/6/23. I will provided the estimated annual energy cost savings at that time.

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

Estimated \$1000 in reduced maintenance labor cost from more accessible insulation and from less frequent replacement of damaged insulation.

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