



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 Gerald Grimes	
Department/Office Facility Services/Building Services	Phone # (Office) 494-8671
MTSU Box # P.O. Box 32	Phone # (Cell)
E-mail hgrimes@mtsu.edu	Submittal Date 09/30/2011

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	ROTC Annex Solar Exhaust Fans
3b. Project Cost Estimate	\$12,211.68
3c. Source of Estimate	Manufacturers information and Contractor
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

Install total of (12) 20 watt Solar Attic Fans, (6) on east side of ROTC Annex (ICP-MS Student Lab) and (6) on west side of ROTC Annex (MIMIC Lab). Fans will have Installation to included installation of roofing curbs, flashing, and counter flashing.

4b. Scope: Benefit Statement

The Solar Attic Fan is designed to reduce heat build-up in summer and moisture build-up in winter in plenum space, between roofing deck and ceiling tiles. By running year round, it can keep space drier by removing moisture in the winter, reducing condensation and preventing the growth of harmful mold and mildew.

4. Project Description (continued)
<p>4c. Location of Project (Building, etc.) ROTC Annex, MIMIC Lab and ICP-MS Student Lab</p>
<p>4d. Participants and Roles Vendor - Supply Solar Exhaust Fan Roofing contractor - Install openings for mounting exhaust fans.</p>
<p>4e. Student participation and/or student benefit Fans will reduce humidity in labs that can damage sensitive student equipment and reduce condensation preventing the growth of harmful mold and mildew.</p>
<p>4f. Future Operating and/or Maintenance Requirements Annually, wash solar panel to keep optimum performance.</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.)

5b. Annual Energy COST Savings (\$)

Actual energy costs are yet to be determined. Equipment will improve airflow keeping the air conditioning from operating longer to condition space.

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

Being solar powered, no utility costs will be associated with operation.

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