



## 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](mailto:cee@mtsu.edu) or mail to MTSU Box 57.

| 1. General Information  |                         |
|---|-------------------------|
| Name of Person Submitting Request: Drs. Gill, Ricketts, Anderson and Mr. Redd |                         |
| Department/Office: SAC 100  | Phone # (Office): 2523  |
| MTSU Box # Campus Box 5   | Phone # (Cell)          |
| E-mail <a href="mailto:wgill@mtsu.edu">wgill@mtsu.edu</a>                     | Submittal Date: 9-29-11 |

| 2. Project Categories (Select One)                   |                                |
|--|--------------------------------|
| Select the category that best describes the project. |                                |
| <input type="checkbox"/>                             | Energy Conservation/Efficiency |
| <input type="checkbox"/>                             | Alternative Fuels              |
| <input checked="" type="checkbox"/>                  | Renewable Energy               |
| <input type="checkbox"/>                             | Sustainable Design             |
| <input type="checkbox"/>                             | Other                          |

| 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. <b>Any funding request is a 'not-to-exceed' amount. Any proposed expenditure above the requested amount will require a resubmission.</b></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: Feasibility of putting Solar Panels on the roof of the new MTSU Dairy Barn   |
| 3b. Project Cost Estimate: \$5000.00  |
| 3c. Source of Estimate: MTSU Sustainable Campus Fee   |
| 3d. If previous funding from this source was awarded, explain how this request differs? n/a   |

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#### 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

State Engineer must certify if the roof over the loafing shed and milking parlor is strong enough to support Photovoltaic panels.

##### 4b. Scope: Benefit Statement

If the roof is strong enough grants would be sought to install panels. The electricity generated could be put back into the electric grid to offset electricity consumed by dairy operations.

| <b>4. Project Description (continued)</b>   |
|---|
| 4c. Location of Project (Building, etc.)<br><br>MTSU Experimental Learning and Research Center on Guy James Road. |
| 4d. Participants and Roles<br><br>n/a   |
| 4e. Student participation and/or student benefit<br><br>n/a   |
| 4f. Future Operating and/or Maintenance Requirements<br><br>n/a   |
| 4g. Additional Comments or Information Pertinent to the Proposed Project<br><br>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.)

n/a This is a new building that just opened September 15, 2011

5b. Annual Energy COST Savings (\$)

n/a

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

n/a

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

n/a This is a feasibility study.