

Dec 21/8/16

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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	
Percy Pulido	
Department/Office	Phone # (Office)
Building Services	615-904-8049
MTSU Box #	Phone # (Cell)
32	615-979-3500
E-mail	Submittal Date
Percy.pulido@mtsu.edu	02/18/2016

2. Project Categories (Select One)			
Select the category that best describes the project.			
<input type="checkbox"/>	Energy Conservation/Efficiency	<input checked="" 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
Solar Lighting for Main Street Parking lot

3b. Project Cost Estimate \$37,000 for 4 light system or \$22,000 for 2 light system.

3c. Source of Estimate

Manufacturer for parts estimate, 4 solar systems at \$21,800 total. RSM for labor estimate (\$15,200; 4 total) for installation and material). Total for 4 light systems complete is approximately \$37,000. Option for 2 solar light systems is \$22,000.

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

The scope of the project is to install 4 solar street lights in the Main Street parking lot adjacent to the black house building. At this time there are no functioning parking lot lights at this location. The street lights will provide safety for the students and faculty at night. It will increase safety without increasing the campus energy consumption, and promote a more green campus. The 4 light system will cover the whole area. Any lighting amount would help the area.

4b. Scope: Benefit Statement

The main benefit of the project will be safety. The use of solar lighting, as opposed to electric street lights, also adds additional benefits such as installation at other locations that may not have available power. Solar lighting uses renewable energy, lasts longer, and receive a return on investment.

4. Project Description (continued)

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

Main Street Parking Lot adjacent to Black House Building.

4d. Participants and Roles

Manufacturer will provide the light posts. Direct order (PO) contractor will install the posts.

4e. Student participation and/or student benefit

The solar lighting will provide safety for the students parking in the lot. Also student will able to see one of the green projects in action.

4f. Future Operating and/or Maintenance Requirements

Four additional lighting systems will not increase maintenance in any substantial way. Future maintenance requirement is expected to be minimal.

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

The funding will determine the amount of light posts we can get. The lot is in desperate need of lighting. However, even if only two light posts are installed it will help illuminate a path for a better future!

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.)

Based on 50 watt led light bulb as opposed to 250 watt campus standard light bulb. The energy saving comes out to be 1,752kWh/ per year.

5b. Annual Energy COST Savings (\$)

Based on an average rate of \$0.10 per kWh. The annual saving is \$175. Assuming four solar lights are installed.

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

N/A

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