

Rec
9/25/19

8

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 Donald Turner	
Department/Office Building Services	Phone # (Office) 615-494-8671
MTSU Box # 32	Phone # (Cell)
E-mail don.turner@mtsu.edu	Submittal Date 9/25/19

2. Project Categories (Select One)	
Select the category that best describes the project.	
<input checked="" 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 Procurement Warehouse - Solar Powered Attic Fans	
3b. Project Cost Estimate \$3500	
3c. Source of Estimate Supplier and MTSU Building Services	
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

Installing 6 ea. solar powered attic fans in the roof of the Procurement Warehouse with a 2,000 CF/min. air flow capacity to reduce the interior heat load on the unconditioned space to preserve that value of the supplies maintained in the warehouse reducing waste due to product degradation so the resources may be redirected to programs that enhance student life on campus.

4b. Scope: Benefit Statement

The current Procurement Warehouse is not conditioned space nor is it sufficiently ventilated. As the outside temperature increases, the interior temperature increases even more, degrading, damaging, and even destroying some of the more vulnerable items being maintained in the warehouse wasting some of MTSU's scarce resources that could be redirected to program enhancements to benefit the student population. In addition, the fans would not require electricity from the grid as the on-board solar panels would generate all the power necessary to ventilate 12,000 CF/min. of the hottest air from the top of the warehouse.

4. Project Description (continued)
<p>4c. Location of Project (Building, etc.)</p> <p>Procurement Warehouse off of Champion Way.</p>
<p>4d. Participants and Roles</p> <p>Building Services' associates to purchase and have the fans installed. The vendor will supply the fans.</p>
<p>4e. Student participation and/or student benefit</p> <p>The resources preserved by reducing the damage done to items maintained in the Procurement Warehouse could be redirected to other programs that benefit the student population and the larger campus community.</p>
<p>4f. Future Operating and/or Maintenance Requirements</p> <p>Periodic cleaning and minor adjustments may be necessary during the useful life of the solar panels.</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.)

There are no attic fans currently in the space, so no electricity is currently being consumed to power them. However, if electric fans were wired into the electric panel, six 1200 CF/min. electric attic fans would consume nearly 3,300 Kwh of power or about \$350/year.

5b. Annual Energy COST Savings (\$)

About \$350/year.

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

The savings in product degradation is estimated to be about \$350/year.

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

Facility Services will provide the labor to install the solar fans.



Try Prime

Tools & Home Improvement

Deals on school supplies

Deliver to Murfreesboro 37132

Today's Deals Your Amazon.com Gift Cards Help

Hello, Sign In Account & Lists Orders Try Prime 0 Cart

Tools & Home Improvement Best Sellers Deals & Savings Gift Ideas Power & Hand Tools Lighting & Ceiling Fans Kitchen & Bath Fixtures Smart Home Shop by Room



Shop Off to College essentials

Tools & Home Improvement > Building Supplies > Building Materials > Roofing > Vents > Roof Vents



Roll over image to zoom in

Attic Fan

Twingro

Power. The self when Celsius If ar panel. an all-in-over your damage

10 feet of 100W Solar flow that or proper

Installation required. 100W or 120W for in. ensures No Battery use!

\$299.99 & FREE Shipping

Get it as soon as Sept. 20 - 25 when you choose Expedited Shipping at checkout.

Only 5 left in stock - order soon.

Qty: 1

\$299.99 + Free Shipping

Add to Cart

Buy Now

Ships from and sold by Twingro.

Deliver to Murfreesboro 37132

Add to List

Share

Other Sellers on Amazon

New (1) from \$299.99 & FREE shipping.

Have one to sell? Sell on Amazon

See more product details

Compare with similar items

prime student College student? Get FREE shipping and exclusive deals LEARN MORE

ALLERTECH Allergy Vent Filters by Allertech

Shop now

Ad feedback



AllerTech Vent Guard 1 (Comes with 20 Vent F 354

\$9.98

Sponsored products related to this item