Kec 5/18



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 quidelines. Save completed form and email to cee@mtsu.edu or mail to MTSU Box 57.

1. General Information	
Name of Person Submitting Request Scott Martindale	
Department/Office	Phone # (Office)
Building Services	615-898-5537
MTSU Box # 32	Phone # (Cell)
E-mail scott.martindale@mtsu.edu	Submittal Date
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2. Project Categories (Select One)				
Select the category that best describes the project.				
V	Energy Conservation/Efficiency		Sustainable Design	
	Alternative Fuels		Other	
	Renewable Energy			

3. Project Information

- a. Please provide a brief descriptive title for the project.
- **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.
- c. List the source of project cost estimates.
- d. Provide a brief explanation in response to question regarding previous funding.

3a. Project Title

Scarlett Commons Sternberg Retrofit

3b. Project Cost Estimate \$23,831.00

3c. Source of Estimate

Sternberg Lighting

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

The work involves removing the current (55) metal halide bulbs and installing the retrofit LEDs.

4b. Scope: Benefit Statement

There are multiple benefits for this project. Students living in the Scarlett Commons area will have a more reliable light. The existing technology is being phased out. Replacements are taking longer to obtain. The LED lamps are anticipated to last 8 times longer than the traditional technology; reducing the calls for re-lamping. The energy usage is greatly reduced from the existing technology.

4. Project Description (continued)		
4c. Location of Project (Building, etc.)		
Scarlett Commons		
*		
4d Participants and Dolos		
4d. Participants and Roles Building Services' staff and material supplier.		
Dulluling Services stall and material supplier.		
4e. Student participation and/or student benefit		
This project benefits students by keeping campus safely-lit at night.		
The project series stationes by Rooping Campus Surely in actingnes		
4f. Future Operating and/or Maintenance Requirements		
Due to the anticipated longevity and energy savings		
and to the office tongent, and one gy carmige		
4g. Additional Comments or Information Pertinent to the Proposed		
Project		
There is a price reduction for the lamps if 50+ are purchased.		

5. Project Performance Information

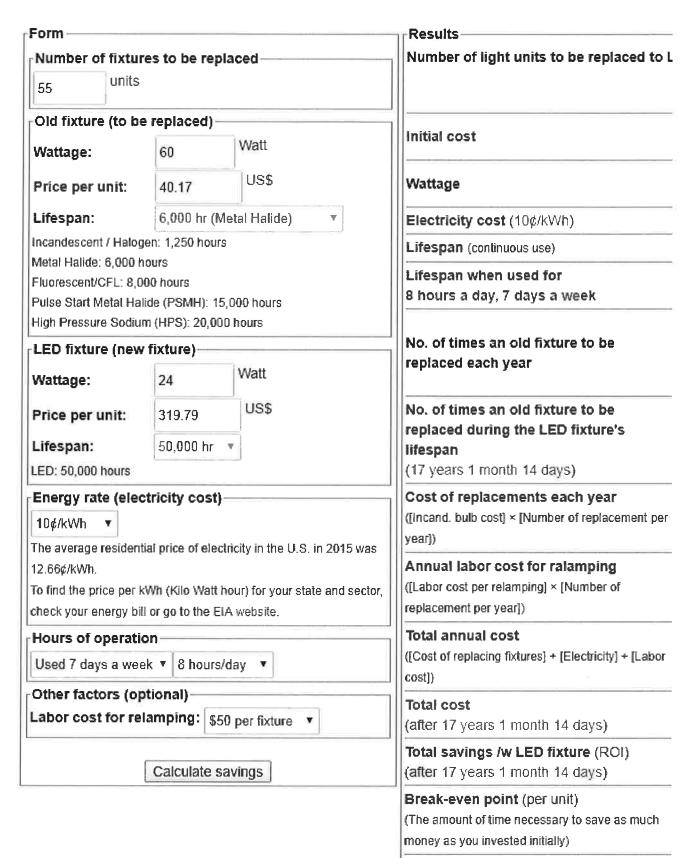
Provide information if applicable.

- 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.)
- 105.12 kWh per fixture (5781.6 kWh total) saved annually
- 5b. Annual Energy COST Savings (\$) \$28.03 per fixture (\$68.33) saved annually
- 5c. Annual Operating or Other Cost Savings. Specify. (\$) TOTAL SAVINGS over the lifespan of the LEDs = \$903 ROI = 4 years
- 5d.Matching or Supplementary Funding (Identify and Explain) N/A

LED Waves' LED Savings Calculator

Making the switch to LED lighting?

Answer the following questions on your current lighting usage, plus the LED replacement, to calculate you



Print

