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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 William Nance	
Department/Office Building Services	Phone # (Office) 898-2877
MTSU Box # Box 32	Phone # (Cell)
E-mail william.nance@mtsu.edu	Submittal Date 02/18/2016

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 Recessed Lighting changeout - New Science
3b. Project Cost Estimate \$36,906.00
3c. Source of Estimate Supplier pricing and RSMMeans
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 replacement of (300) 32-watt 4-pin compact fluorescent lamps throughout the building.

4b. Scope: Benefit Statement

The benefit of the replacmeent is providing longer lasting lighting to prevent interference of student activities and labs. This project will also remove CFL lamps that must be disposed of as hazardous waste. CFL's contain mercury that can seep into the Earth's soil and water supply.

4. Project Description (continued)
4c. Location of Project (Building, etc.) Science Building all floors.
4d. Participants and Roles Product Supplier and Facility Services personnel
4e. Student participation and/or student benefit Less interruption from Facilities personnel trying to relamp. There is also an increase in light lumens after transitioning from CFL to LED.
4f. Future Operating and/or Maintenance Requirements Maintenance requirements are expected to be minimal due to the longevity and durability of the product.
4g. Additional Comments or Information Pertinent to the Proposed Project

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.)

35478 kWh

5b. Annual Energy COST Savings (\$)

\$5,256.00

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

The Return On Investment (ROI) in years is 0.81. The total savings over the expected total savings over the lifespan of the product is \$60,000.

The annual Carbon Footprint Savings/lbs is 46014.97

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