

Rec 9/27/24

14

1

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 Ray Wiley	
Department/Office Camp[us Recreation	Phone # (Office) 6158985701
MTSU Box # 556	Phone # (Cell) 615-785-7805
E-mail ray.wiley@mtsu.edu	Submittal Date 9/26/24

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 Replacement of all T8, 4 lamp 120w to LED Flat Panel 36w in our -Aerobics Room and Men's pool locker room
3b. Project Cost Estimate \$7,568.70
3c. Source of Estimate Energy Managment Solutions
3d. If previous funding from this source was awarded, explain how this request differs? These two areas of our facility have never been conversted to more energy efficient products.

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

This lighting improvement and energy-saving project would include parts and labor for replacing old T-8, 4 lamp model fluorescent lights in our upstairs aerobics room and our men's pool locker room at Campus Recreation with LED Flat Panel 36w lights resulting significant savings for the university.

4b. Scope: Benefit Statement

Installing these LED Lights will help us be much more environmentally friendly because we can reduce our energy demand and save money while improving the overall quality of lights in these areas. This project will result in :

- * Significantly improved facility lighting in two areas of Campus Recreation.
- * Reduce the cost for future electricity needs.
- * Save the university money.
- * The whole project funding cost would be paid back within the first two years of the installation of the new LED's lights.
- * All LED lights come with a 5 year warrenty.

<p>4. Project Description (continued)</p>
<p>4c. Location of Project (Building, etc.) Aerobics Room located upstairs and the Men's pool lockers room is downstairs leading to the pool at Campus Recreation .</p>
<p>4d. Participants and Roles Ray Wiley – Interim Director Campus Recreation Micah Reiss- Recreation Technician Campus Recreation Barry McMahan Energy Managment Solutiuions - Cousultant</p>
<p>4e. Student participation and/or student benefit The benifit to our students will be a significantly improved lighting in two heavily used areas of Campus Recreation and save our department a significate amount of money over 10 years.This savings can be passed on to our students with more funds available for student programming or additional improvements to the facility.</p>
<p>4f. Future Operating and/or Maintenance Requirements The 5 year warrenty will reduce the potential of replacement cost.</p>
<p>4g. Additional Comments or Information Pertinent to the Proposed Project The approval of this project will help us modernize two locations in our facility with improved lighting and energy cost savings for our department.</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.)

3,036 kwh saved per month with these new LED's

5b. Annual Energy COST Savings (\$)

\$3,753.00 saved per year resulting in \$46,333.00 saved over 10 years!

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

By replacing these lights now with an improved light product , we will save money and time on maintence light replacemtn work orders with less energy efficent types of lights.

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

By using these products ,we will qualify to receive a \$1,753.89 rebate from TVA for changing our current lights to these type of LED lights which will lower this project cost from \$9,322.59 to \$7,568.70 which is the requested amount of this proposal.