

Rec
9/16/21

25

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 Campus Recreation	Phone # (Office) 615-898-5701
MTSU Box # 556	Phone # (Cell) 615-785-7805
E-mail ray.wiley@mtsu.edu	Submittal Date 9-16-21

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 Energy Efficient Replacement Washing Machine
3b. Project Cost Estimate \$14,184.00
3c. Source of Estimate REM Company
3d. If previous funding from this source was awarded, explain how this request differs? We have a large volume of items that need to be kept clean for our members.

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

Campus Recreation is still using one of the original washing machines that was purchased over 26 years ago. We need to replace this washer with a more efficient model.

4b. Scope: Benefit Statement

This new replacement model the Unimac "Uniwash" will allow us the opportunity to conserve thousands of gallons of water and save our department both money and time.

4. Project Description (continued)
4c. Location of Project (Building, etc.) Campus Recreation
4d. Participants and Roles Ray Wiley- Associate Director Campus Recreation Don Chumney- Director MTSU Maintenance Allen Parker- Director of Engineering & Environmental Health and Safety
4e. Student participation and/or student benefit Currently, our student staff members must complete several loads of wash each day that are becoming more expensive and time consuming. This new machine would save us both money and time.
4f. Future Operating and/or Maintenance Requirements Once this new piece of equipment is in place, there would be very little cost associated with maintenance. The unit is equipped with technology that would allow us to run our own diagnostic reports and confirm optimal efficiency on a daily basis. Additionally, we would have the capacity to reset the unit, (if needed).
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.)

This new machine will save our department 3,080 gallons of water per week. This number times 50 weeks is a total savings of 154,000 gallons saved annually.

5b. Annual Energy COST Savings (\$)

Annual Energy COST Savings (\$)

Water savings 154×7.00 per 1,000 gallons = \$1,078 annually
Electrical savings = $8050 \times .08 = \$644$ annually

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

Because of the energy efficiency of the machine, our staff will save 280 minutes per week. This number times 50 weeks is 140,000 minutes saved which equals 233 hours which will save us $233 \times \$9.00$ per hour \$2,097.00 saved annually

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

N/A