

rec 9/25/15

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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 Micah Reiss	
Department/Office Campus Recreation	Phone # (Office) 494-7892
MTSU Box # 556	Phone # (Cell) 616-566-1031
E-mail micahreiss@mtsu.edu	Submittal Date 9/24/2015

2. Project Categories (Select One)	
Select the category that best describes the project.	
<input 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 Campus Rec Water Bottle Filling Stations
3b. Project Cost Estimate \$3,600
3c. Source of Estimate Product, materials, and labor cost history from previous installations.
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

Two existing/dated water fountains will be removed from their current locations. Walls will be patched and prepared for the mounting of two new Elkay EZ h2o Bottle Filling Stations & Coolers. Minor plumbing modifications will be required to tie the existing inlet water supply to the bottle filling station units.

4b. Scope: Benefit Statement

Users get cold, filtered water through a hands-free sensor bottle filler three times faster than the standard rate, as well as, normal drinking fountain operation. The hands-free bottle filler also eliminates germs and other viruses from spreading through shared communal contact.

In addition, green savings is generated through the conservation of plastic water bottles being used. Currently, our other filling stations have helped eliminate 349,620 16 oz. plastic bottles from being purchased and disposed of in our local landfill.

<p>4. Project Description (continued)</p>
<p>4c. Location of Project (Building, etc.) The location of the two bottle filling stations would be at the Campus Recreation Center, in high traffic areas.</p>
<p>4d. Participants and Roles The purchase of the bottle filling stations would be through Kenny Pipe & Supply, a local plumbing supply company. The preparation and installation would be completed by the Campus Recreation Maintenance staff.</p>
<p>4e. Student participation and/or student benefit By continuing to update our building with bottle filling stations in strategic parts of the facility, we are able to offer better convenience (many students go out of their way to find a station), a clean device, and excellent water quality to the 2,000 patrons who walk through our doors each day.</p>
<p>4f. Future Operating and/or Maintenance Requirements Beyond replacing water filters on a periodic basis (based on usage), no scheduled maintenance is required.</p>
<p>4g. Additional Comments or Information Pertinent to the Proposed Project Campus Recreation's continued efforts to provide the best for our students is grounded in customer service. We strive each day to provide the best equipment, programs, and facilities available. Updating our drinking fountains is a worthwhile investment that will be greatly appreciated for years to come by all those who walk through our doors.</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.)

In addition to saving an average of 150,000 water bottles from being purchased and disposed of, it is estimated that 8,203 gallons of water will be saved through the usage of the no spill water bottle filler. On average, a person drinking from a fountain for a 10 second period, allows 7 oz. of water to pass their lips and go down the drain. The 8,203 gallons is derived from the amount of water wasted through a regular fountain (7 oz.) during the period it takes to fill a 16 oz. bottle in water bottle filler. The math:
 150,000 (16 oz. bottles being filled yearly) * .05 (7oz./128 oz. (1 gallon)).

*Figure researched by http://guerrillagreen.architectureforhumanity.org/proposals/the_thirsty_fountain_0

5b. Annual Energy COST Savings (\$)

N/A

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

N/A

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

N/A