

Rec  
2/8/18

(34)

## 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](mailto:cee@mtsu.edu) or mail to MTSU Box 57.

1. General Information	
Name of Person Submitting Request	
Karen Petersen, Interim Dean	
Department/Office	Phone # (Office) 2534
College of Liberal Arts, Todd 231	
MTSU Box # 97	Phone # (Cell) 615-579-6605
E-mail <a href="mailto:karen.petersen@mtsu.edu">karen.petersen@mtsu.edu</a>	Submittal Date 2/8/18

2. Project Categories (Select One)			
Select the category that best describes the project.			
X	Energy Conservation/Efficiency	X	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. <b>Any funding request is a 'not-to-exceed' amount. Any proposed expenditure above the requested amount will require a resubmission.</b>	
c. List the source of project cost estimates.	
d. Provide a brief explanation in response to question regarding previous funding.	
3a. Project Title	
<b>Hydration Stations (7) in Peck Hall</b>	
3b. Project Cost Estimate	
\$19,600 (likely to be overestimated, see below)	

**3c. Source of Estimate:**

2017 proposal submitted by SSAC. My estimate is likely too high as we cannot install bi-level stations in Peck Hall (the water fountains are located in alcoves that are 30" wide). I assume the single-level stations are less expensive but do not have a precise estimate.

3d. If previous funding from this source was awarded, explain how this request differs? N/A

#### **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**

Replace seven of the eight existing water fountains in Peck Hall with single-level hydration stations (one has been replaced already).

Peck Hall is one of the most heavily-trafficked buildings on campus due to the extensive schedule of general education classes in the building and the fact that it houses four academic departments, including the largest department on campus.

#### 4b. Scope: Benefit Statement

Hydration stations will provide students and faculty access to healthier water sources through the bottle filling technology, reducing the environmental impact of water consumption and reducing water waste generated by disposable bottles.

Almost every student on campus will take at least one class in Peck Hall, and many students take multiple classes in the building. Thousands of students use the building every day each semester. A substantial number of faculty and staff are housed in the building as well.

**4. Project Description (continued)**

## 4c. Location of Project (Building, etc.)

Three stations on the 2<sup>nd</sup> floor (one has already been upgraded to a single-level hydration station) and four stations on the 3<sup>rd</sup> floor of Peck Hall.

## 4d. Participants and Roles

Facilities services would purchase and install the stations.

## 4e. Student participation and/or student benefit

As noted above, thousands of students use Peck Hall daily. In addition, during tailgating events, the building is heavily used by students and their guests. On Saturdays, K-12 school children use the building all day.

## 4f. Future Operating and/or Maintenance Requirements

Water filters replaced.

## 4g. Additional Comments or Information Pertinent to the Proposed Project

Currently, the old water fountains in Peck Hall are neither environmentally friendly nor particularly enticing. Most students and faculty prefer to use bottles for health reasons, and hydration stations in such a high-traffic building are long overdue.

<b>5. Project Performance Information</b>
<p>Provide information if applicable.</p> <ol style="list-style-type: none"> <li>Provide information on estimated annual energy savings stated in units such as kW, kWh, Btu, gallons, etc.</li> <li>Provide information on estimated annual energy cost savings in monetary terms.</li> <li>Provide information on any annual operating or other cost savings in monetary terms. Be specific.</li> <li>Provide information about any matching or supplementary funding opportunities that are available. Identify all sources and explain.</li> </ol>
<p>5a. Estimated Annual Energy Savings (Estimated in kW, kWh, Btu, etc.)</p> <p>It's difficult to estimate. A lot of water waste is generated by disposable bottles in both manufacturing and the disposal of bottles not fully consumed. According to back2tap.com, it takes the equivalent of three bottles of water to manufacture and distribute one bottle of water.</p>
<p>5b. Annual Energy COST Savings (\$)</p> <p>N/A</p>
<p>5c. Annual Operating or Other Cost Savings. Specify. (\$)</p> <p>N/A</p>
<p>5d. Matching or Supplementary Funding (Identify and Explain)</p> <p>N/A</p>