Rec 9/11/14

8

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 Sept 2014

2. Project Categories (Select One)			
Select the category that best describes the project.			
☐	Energy Conservation/Efficiency	☑	Sustainable Design
☐	Alternative Fuels	☑	Other Pilot Project for Students
☐	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. **Any funding request is a 'not-to-exceed' amount. Any proposed expenditure above the requested amount will require a resubmission.**
c. List the source of project cost estimates.
d. Provide a brief explanation in response to question regarding previous funding.

3a. Project Title
Sustainable Cleaning Design

3b. Project Cost Estimate
$7064.15 first year

3c. Source of Estimate
Bid specs from Troy Pippin of New South Sales

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

MTSU Campus Recreation is proposing to eliminate 25,080 sq ft. from the cleaning contract for the facility. This will require student staff to take on the responsibility of cleaning the floors in the following areas: weight room, cardio room, spin balcony, upstairs track. In order to accomplish this goal we will need to purchase two cleaning machines, brushes, trolley and the biodegradable solutions.

4b. Scope: Benefit Statement

By purchasing our own cleaning equipment and supplies and using student manpower, this proposal can result in saving the University approximately $53,507 annually. This pilot project is important in order to determine if students can assist us with the necessary cleaning responsibilities at Campus Recreation.

4. Project Description (continued)

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

The areas that would need to be cleaned are all at Campus Recreation. The specific areas are: weight room, cardio room, upstairs track, and spin balcony.

4d. Participants and Roles

There would be one to two students that would be assigned the cleaning task each week. These students would be supervised by our Recreation Technician, Micah Reiss.

4e. Student participation and/or student benefit

As mentioned above, students would be the ones assigned this task. It would benefit them by providing more opportunities to work in the facility and would require greater responsibility in taking care of the equipment and using the proper amount of cleaning product.

4f. Future Operating and/or Maintenance Requirements

The first year would require the purchase of two machines and the trolley. Specifically the NSTTB1120 and the NSDP420 from NaceCare Solutions. Additionally, we would purchase brushes and hydrogen peroxide cleaning solution. The cost for these two machines is as follows:
NSTTB1120: $3997.65
NSDP420: $2392.50
Hydrogen Peroxide: $300.00 ($100.00 per case of 4 gallons)
Brushes/pads: $200.00
NS Trolley: $174.00
Total: $7064.15

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

The cleaning solution that Campus Recreation will use is biodegradable, unlike the solution that is being used now by the independent company. The first machine, the TTB1120 runs on gel batteries that are maintenance free. They 1/40 of the hydrogen gas of wet lead acid batteries.

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.)
N/A

5b. Annual Energy COST Savings ($)
N/A

5c. Annual Operating or Other Cost Savings. Specify. ($)
Campus Recreation is currently paying an independent contractor (Service Solutions) for the cleaning of these areas. The breakdown of the cost is as follows:
$2.34 per sq. ft. * 25,080 Sq ft needed to be cleaned = $58,687 annually.
If Campus Recreation takes over the cleaning responsibility for this square footage we will save:
First Year:
$58,687 - (6564.15 (machine costs) + 4680.00 (Labor wages) + 300.00(Hydrogen peroxide) + 200.00(brushes/pads)=$46,942.85
Annually:
$ 58,687-$5180 (costs minus machine cost)=$53,507

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