

Rec 2/15/17

28

1

MTSU Clean Energy Initiative Project Funding Request

There are five (5) sections of the request to complete before submitting.

1. General Information

Name of Person Submitting Request : Forrest Higginbotham

Department/Office Building Services

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Phone # (Cell)

E-mail: forrest.higginbotham@mtsu.edu

Submittal Date: 02/14/17

2. Project Categories (Select One)

Select the category that best describes the project.

X	Energy Conservation/Efficiency		Sustainable Design
	Alternative Fuels		Other
	Renewable Energy		

3. Project Information

- Please provide a brief descriptive title for the project.
- 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.
- List the source of project cost estimates.

3a. Project Title: Peck Hall 2nd Floor Women's Restroom Yellow Hallway Water conservation

3b. Project Cost Estimate: \$12,991.28

3c. Source of Estimate: Equipment manufacturer and RSMeans estimating data.

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 information for anticipated future operating and/or maintenance requirements occurring as a result of the proposed project.
- f. Provide any additional comments or information that may be pertinent to approval of the project funding request.

4a. Scope: Work to be accomplished:

By replacing (12) existing toilets with manual flush valves with (10) high efficiency toilets and automatic flush valves, it is anticipated to conserve water usage and the need for service from custodial and maintenance.

4b. Scope: Benefit Statement

The current toilets are original to the building and not high efficiency, requiring additional water to operate. The flush valve and bowl must be compatible with each other for efficient usage or the result is over flushing, potential for blockage, and increased custodial service. The 1.6 gallon per flush automatic flush valves with override button will also reduce the contact the user will have with potentially contaminated handles.

4. Project Description (continued)
4c. Location of Project (Building, etc.) Peck Hall 2 nd Floor Women's restroom Yellow Hallway
4d. Participants and Roles Building Services personnel to purchase and install.
4e. Future Operating and/or Maintenance Requirement It is the expectation Maintenance involvement will decrease from current reports for service.
4f. 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.) Each toilet = 3.5 gallons per flush X 12 = 42 gallons per single use.

3.5 gal per flush / 1.6 = 2.19 gal per flush saved totaling 26.28 gals for one series of flushes total for restroom.

5b. Annual Energy COST Savings (\$).

Annual savings is dependent on overall usage.

5c. Annual Operating or Other Cost Savings. Specify. Additional operating costs are unknown at this time. Future requests may be made pending the results.

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

Unknown.





> Brands > Toto > Toilets > Toto CT708E



Toto CT708E#01

Cotton Commercial One Piece Elongated 1.28 GPF Wall Mounted Toilet with Siphon Jet Flush System - Less Seat

How did you feel about this item? Be the first to review this product. Item# BCI948111 | Model# CT708E#01

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