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

1. General Information	
Name of Person Submitting Request Shelia Knight	
Department/Office EH&S	Phone # (Office) 615-494-8708
MTSU Box # 32	Phone # (Cell) 931-787-2494
E-mail <a href="mailto:shelia.knight@mtsu.edu">shelia.knight@mtsu.edu</a>	Submittal Date 10/7/15

2. Project Categories (Select One)	
Select the category that best describes the project.	
<input type="checkbox"/> Energy Conservation/Efficiency	<input type="checkbox"/> Sustainable Design
<input type="checkbox"/> Alternative Fuels	<input checked="" type="checkbox"/> Other Stormwater Runoff
<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. <b>Any funding request is a 'not-to-exceed' amount. Any proposed expenditure above the requested amount will require a resubmission.</b></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 Rain Garden at TLC
3b. Project Cost Estimate \$10,000
3c. Source of Estimate Shelia Knight
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

This project would be to install one rain garden and provide an education and outreach piece. This project will need future funding to complete the entire need for bacteria removal from our campus and local streams. Continued coordination of funding and invested partners including MTSU TLC, Facilities, EHS, and Campus Planning is anticipated to be ongoing to complete the proposed site goals at the TLC.

##### 4b. Scope: Benefit Statement

Stormwater flows from the roof and parking lots of the campus and TLC into drainage ways to a local stream within the Stones River watershed. Petrochemicals, microorganism, nitrates and phosphates flow into the watershed. These chemicals and organisms levels are monitored by federal and state regulatory agencies in order to maintain water quality. The regulatory agencies are also monitoring suspended solids which also impact stream water quality. MTSU is required to reduce stormwater runoff by state agencies and reduce stormwater pollutants. The TLC is just one contributor to MTSU's potential to contribute pollutants to the watershed upcoming audits. The benefit of this project would be to reduce the impact of introducing nitrates, phosphates and bacteria into our streams.

<b>4. Project Description (continued)</b>
4c. Location of Project (Building, etc.) TLC
4d. Participants and Roles Agribusiness/AgriScience (Dr. Warren Anderson and Nate Phillips), Environmental Health and Safety and MTSU Ground Services
4e. Student participation and/or student benefit We will use students from Dr. Anderson's plant and soil science class to demonstrate rain garden benefits and assist with the construction and plant selection.
4f. Future Operating and/or Maintenance Requirements Minimal
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.)

5b. Annual Energy COST Savings (\$)

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

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