MIDDLE TENNESSEE STATE UNIVERSITY

Sunday, September 27, 2026

# MTSU Sustainable Campus Fee Funding Request Form

The Sustainable Campus Fee (SCF) supports projects that advance sustainability at MTSU. This form allows students, faculty, and staff to propose initiatives that contribute to a greener campus through energy efficiency upgrades, infrastructure improvements, education, research, and efforts to enhance campus biodiversity.

There are 5 sections to the application: Section I: Contact Information, Section II: Project Category, Section III: Project Description, Section IV: Project Cost, and Section V: Project Performance Information (For applicable projects).

The Sustainable Campus Fee is administered through a partnership with the Office of Student Affairs, the Center for Student Involvement & Leadership, and the Center for Energy and Sustainability (CES).

**Date** Sunday, September 27, 2026

**Request Number** ***SCFR27000074***

**1. Name** Russell Miller

**Email** Russell.Miller@mtsu.edu **Phone Number** (615) 948-8957

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## SECTION II: Project Category

Please note that all proposed projects will have to comply with MTSU campus guidelines and recommendations.

**1. Select the category that best describes the project. (Select One - See Descriptions Below)**

Energy Conservation/Efficiency

### CATEGORY DESCRIPTIONS

**Energy Conservation/Efficiency** - (e.g. installing LED light bulbs, adding insulation to walls, replacing old appliances with energy-efficient models, installing programmable lighting, etc.)

**Renewable Energy** - (e.g. implementing projects to harness naturally replenishing sources like wind, water, and sunlight to generate electricity - like solar-powered picnic tables, etc.)

**Sustainable Transportation** - (e.g. installing covered bike racks, replacing fuel vehicles with electric vehicles, etc.)

**Alternative Fuels** - (e.g. setting up electric vehicle charging stations, implementing hybrid or electric vehicles, purchasing electric or propane power equipment, etc.)

**Recycling** - (e.g. purchasing recycling bins, improving signage, recycling difficult materials, etc.)

**Waste Reduction** - (e.g. establishing a reuseable to-go container program, reducing food waste, installing waterbottle filling stations, etc.)

**Water Conservation** - (e.g. purchasing rain barrels, creating a rain garden, switching to low-flow water fixtures, installing low-flow water valves, etc.)

**Biodiversity** - (e.g. planting pollinator garden, tree planting, installing bird boxes, etc.)

**Education** - (e.g. hosting a sustainability fair to raise awareness about green practices, hosting bike repair and/or safety workshops)

**Research and Innovation** - (e.g. researching the effects of microplastics, solar feasibility study, etc.)

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# SECTION III: Project Description

**Please include as much detail as possible in this section.** The more information you provide, the better equipped the adjudication committee will be to fully understand your request and make an informed decision.

To expand a text box, click and drag the two diagonal lines in the bottom-right corner. This allows you to adjust the size and view of your content as you type.

### 1. Project Title

BDA Tucker Theater Heat Exchanger Upgrade

### 2. Scope: Work to be accomplished

Install a second steam valve on the steam side of the heat exchanger along with the additional piping and isolation valves necessary in the line.

### 3. Scope: Benefit Statement

Increased reliability to the entire system. The additional steam valve will add redundancy such that the system will not have a single point of failure in the existing valve.

### 4. Location of Project

BDA Heat Exchanger mechanical room

### 5. Participants and Roles

Facilities Services and Energy Services

### 6. Student Participation in the project and/or Student Benefit from the project

More reliable operation of the system reducing downtime and increasing serviceability.

### 7. Future Operating and/or Maintenance Requirements

Having a second steam valve doubles the hardware, but allows for maintenance of the system without taking it completely down. The upgrade will reduce the impact of maintenance by allowing increased flexibility in operation.

### 8. Additional Comments or Information Pertinent to the Proposed Project

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Any supporting documents or attachments will be on the pages following the SCF Request.

Note, all projects are expected to be completed by December 31, 2026.

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# SECTION IV: Project Costs

**1. Project Cost Estimate** 20000

**2. Source of Estimate**

Middle Tennessee Mechanical quote with additional cost added for integration to the automation system

**3. Has previous funding from this source been awarded?**

No

**If Yes, please explain how this request differs from previous funding request.**

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## SECTION V: Project Performance Information

If your project is expected to reduce energy consumption (e.g. through lighting upgrades or HVAC improvements etc.), please provide an estimate of potential savings. Feel free to contact the Center for Energy and Sustainability for help making these calculations at ces@mtsu.edu.

**1. Estimated Annual Energy Savings (Estimated in kW, kWh, Btu, etc.)**

**2. Annual Energy COST Savings ($)**

**3. Annual Operating Cost Savings or Other Cost Savings. Specify in dollar amount, if applicable. ($)**

Reduced system downtime resulting in increased ability to maintain the heating system active for the entire facility.

**4. Matching or Supplementary Funding (Identify and explain, if applicable)**

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**Acknowledgment**

I acknowledge that a project summary and photo must be submitted, if I am awarded funding and upon completion of the project.

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## Supporting Documentation or Attachments if provided.