Friday, September 5, 2025

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 Friday, September 5, 2025

Request Number ***SCFR25000007***

1. Name Donald Turner

Email don.turner@mtsu.edu **Phone Number** (615) 494-8671

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.)

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

Sternberg Lights LED Retrofit - MTSU Blvd. Cason-Kennedy Building/Corlew Hall, Cummings Hall, McFarlain and Founders Lane.

2. Scope: Work to be accomplished

Replacing 34 each of the current 140 watt Cosmopolous lamps from the Sternberg fixtures and retrofitting them with a long life, energy-efficient 75 watt LED lamp that provides the same or greater foot-candles of light as the 140 watt bulb it is replacing.

3. Scope: Benefit Statement

The current lamp uses 140 watts of electricity per hour of operation. The LED only requires 75 watts per hour to generate the same amount of light. Therefore, each fixture retrofitted to use the LED lamps will save over 273,000 watts of electricity each year (based on the lights being on for 10 hours per day on average. This amounts to over 9,282,000 watts, or 9,282 kilowatts, of electricity saved each year for all 34 lights being retrofitted. With the useful life of the lamps being rated at 100,000 hours, this equates to around 27 years of useful life. In the aggregate, the lamps will save over 250,000 kilowatts of electricity over their expected useful life, reduce the quantity of resources needed for maintenance, reduce utility costs, and reduce waste going to landfills by 92%.

4. Location of Project

MTSU Blvd. Cason-Kennedy Building/Corlew Hall, Cummings Hall, McFarlain and Founders Lane.

5. Participants and Roles

Building Service' technicians will purchase and install the retrofit kits, and the lighting supplies vendor will supply the materials.

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

The nighttime campus of MTSU will be more continuously lit for the safety and security of the student population and the entire campus community. The savings generated from retrofitting to LED lamps will be used to fund other initiatives at MTSU to improve campus life for all students and to create a more sustainable campus.

7. Future Operating and/or Maintenance Requirements

Future operating costs will be reduced by over 55% due to the reduced energy consumption of the LED lamps. The future maintenance costs will be reduced significantly to the long useful life expectancy of the lamps. The current Cosmopolous lamps have a useful life of 7,000 hours, but the LED lamps are rated for 100,000 hours.

8. Additional Comments or Information Pertinent to the Proposed Project

The current Cosmopolous technology is obsolete and is being phased out by the EPA. The LED technology will provide greater reliability and a smaller carbon footprint for MTSU.

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.

SECTION IV: Project Costs

1. Project Cost Estimate 19800

2. Source of Estimate

Lighting supplies vendor and Building Services' cost history for past projects.

3. Has previous funding from this source been awarded? No

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

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.)

9,282kWh estimated to be saved

2. Annual Energy COST Savings ($)

$946

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

The total annual operating cost savings from retrofitting 34 Sternbergs with LED lamps is projected to be $1463/year

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

Facilities Services to provide equipment and expertise to install the LED retrofit kits.

Acknowledgment

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

Supporting Documentation or Attachments if provided.

2753 COUCHVILLE PIKE STE 401
NASHVILLE TN 37217-5700
Phone: 615-743-3246
Fax:

To: MTSU-ELECTRICAL
1500 GREENLAND DR
MURFREESBORO TN 37132-3100
Attn: Don Turner
Phone: 615-898-2944
Fax: 615-904-8007
Email: invoice@mtsu.edu

Date: 05/06/2025
Proj Name:
GB Quote #: 0248727915
Release Nbr:
Purchase Order Nbr:
Additional Ref#
Valid From: 05/06/2025
Valid To: 06/05/2025
Contact: Carey Smith
Email: Carey.Smith@graybar.com

Proposal

We Appreciate Your Request and Take Pleasure in Responding As Follows

Item	Item/Type	Quantity	Supplier	Catalog Nbr	Description	Price	Unit	Ext.Price
100		51 EA	STERNBERG	VCOB-1130-4L30TS-MDL05	VCOB LED CONV 75W 30K 6795 LUMEN	$524.95	1	$26,772.45

GB Part #: 26517388 UPC #:

Total in USD (Tax not included): $26,772.45

This equipment and associated installation charges may be financed for a low monthly payment through Graybar Financial Services (subject to credit approval). For more information call 1-800-241-7408 to speak with a leasing specialist.

To learn more about Graybar, visit our website at www.graybar.com **24-Hour Emergency Phone#: 1-800-GRAYBAR**

This Graybar quote is based on the terms of sale in the EV2370 Master Agreement which can be found by clicking the link found at https://www.omniapartners.com/hubfs/PUBLIC%20SECTOR/Supplier%20Information/Graybar/EV2370_Graybar_MAD_2017_12_20.pdf