

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 Wednesday, September 30, 2026

Request Number **SCFR27000085**

1. Name Robert Mogensen

Email Robert.Mogensen@mtsu.edu **Phone Number** (616) 708-0435

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)

Sustainable Transportation

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

Project: Acquisition of a Rivian Electric Van for Sustainable Operations and Replacement of Gas-Powered Vehicle Already in Use.

2. Scope: Work to be accomplished

his proposal requests funding from the Renewable Energy Fund to purchase a Rivian Electric Van to support departmental operations and align with our institution's sustainability goals. The acquisition of an all-electric vehicle will reduce carbon emissions, lower long-term operating costs, and serve as a visible commitment to renewable energy and sustainable practices. This electric van will replace a gas-powered van that we use on campus regularly.

3. Scope: Benefit Statement

Benefits

Environmental Impact:

Zero tailpipe emissions

Reduction in greenhouse gas footprint

Positive contribution to university sustainability targets

Educational & Community Engagement:

Vehicle branding opportunities to showcase renewable energy efforts

Practical demonstration of clean transportation for students, faculty, and the community

Financial Savings:

Lower fuel costs compared to gasoline-powered vans

Reduced maintenance (no oil changes, fewer moving parts)

Potential grants, tax credits, or rebates to offset purchase costs

4. Location of Project

The electric vehicle will be used both on the MTSU campus and at off-campus events as part of True Blue TV Event Productions' daily operations. The vehicle will support our event production activities while providing students with hands-on experience operating and working with electric vehicle technology in a real-world

professional environment.

I propose that we work with Blue Print to fully wrap the Rivian with MTSU and True Blue TV Event Productions branding, along with messaging highlighting the Green Energy Fund and MTSU's commitment to sustainability and renewable energy initiatives.

The vehicle would serve as both a practical production resource and a highly visible mobile marketing tool for the Green Energy Fund. Because the Rivian will travel throughout campus and to events across the region, it would provide ongoing visibility for the university's investment in green energy and demonstrate how renewable-energy technology can be incorporated into everyday university operations.

With approximately 260 student employees working within True Blue TV Event Productions, the Rivian would also become an educational resource, giving students direct experience with emerging transportation technology while reinforcing MTSU's commitment to sustainability, innovation, and workforce development.

5. Participants and Roles

Departments that will be involved in this request, directly Marketing & Communications, True Blue TV Event Productions, and all departments using our services.

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

True Blue TV Event Productions employs approximately 260 students across campus who gain valuable hands-on experience while working in a professional event production environment.

Students will have the opportunity to operate and work with this renewable-energy vehicle as part of their employment with True Blue TV Event Productions. This provides students with practical, real-world experience operating emerging technology and learning how renewable energy solutions can be integrated into professional event production and campus operations.

This experience will help students develop valuable technical, operational, and workplace skills while gaining exposure to renewable-energy technology in a real-world work environment. It also supports our commitment to providing students with meaningful experiential learning opportunities that complement their academic programs and prepare them for careers after graduation.

7. Future Operating and/or Maintenance Requirements

Estimated Costs

Rivian Electric Van (base model): \$78,000 – \$95,000 (depending on configuration)

Motorized Lift Gate Upfit: \$3,000-\$4000

Charging Infrastructure (Level 2 station installation): \$5,000 – \$8,000

Branding/Decals for Sustainability Messaging: \$1,000 – \$2,000

Total Estimated Project Cost: \$87,000 – \$99,000

Funding Request

We respectfully request funding of \$95,000 from the Renewable Energy Fund to cover the purchase of a Rivian Electric Van, installation of charging infrastructure, and branding to highlight our commitment to sustainability.

8. Additional Comments or Information Pertinent to the Proposed Project

Conclusion

The acquisition of a Rivian Electric Van will serve both operational and educational purposes, demonstrating the university's leadership in renewable energy adoption. By investing in this project, the Renewable Energy Fund can directly contribute to reducing emissions, lowering costs, and inspiring the community toward a cleaner, sustainable future.

Implementation Timeline

Approval & Funding: Fall 2026

Purchase & Delivery: Winter 2026

Charging Station Installation: Concurrent with delivery

Deployment: Early Spring 2027

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 99000

2. Source of Estimate

Estimate was provided by Mike Campanella Rivian Sr. Enterprise Sales Manager

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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.)

Zero tailpipe emissions during campus and event operations. Based on 15,000 miles of annual operation, replacing a conventional 22-MPG gasoline minivan with a Rivian EDV 700 would eliminate approximately 682 gallons of gasoline consumption each year. The electric vehicle would use approximately 13,200 kWh of electricity annually based on its estimated energy consumption. This represents approximately a 42% reduction in vehicle energy consumption compared with the chemical energy contained in the gasoline used by a conventional minivan. In addition to reducing petroleum consumption, the vehicle produces zero tailpipe emissions and provides MTSU students with hands-on experience operating commercial electric-vehicle technology. 5-year impact

At 15,000 miles per year:

- 75,000 miles
- 3,409 gallons of gasoline avoided
- 30.3 metric tons of tailpipe CO₂ avoided

That is approximately 66,800 pounds of CO₂ avoided over five years.

2. Annual Energy COST Savings (\$)

The savings will be in fuel cost at \$2,500 per year.

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

Maintenance Savings: EVs require ~30% less annual maintenance.

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

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.

Reference Guide

Rivian Commercial Van 500 | 700

2025 Model Year



RIVIAN





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Dimensions	Rivian Commercial Van - Delivery 500	Rivian Commercial Van - Delivery 700
Length	248.5" (6,311 mm)	278.0" (7,061 mm)
Width	Incl. Mirrors – 96.4" (2,449 mm) Excl. Mirrors – 80.1" (2,035 mm)	Incl. Mirrors – 103.5" (2,629 mm) Excl. Mirrors – 87.2" (2,215 mm)
Height	114.7" (2,914 mm)	114.8" (2,917 mm)
Wheelbase	157.5" (4000 mm)	187.0" (4,750 mm)
Tire Size	245 / 70 R17	
Ground Clearance	6.7" (171 mm)	6.9" (175 mm)
Overhang	Front – 39.7" (1,008 mm) Rear – 51.3" (1,303 mm)	
Cargo Area - Volume	487 cu. ft. (13.8 m³)	652 cu. ft. (18.5 m³)
Cargo Area - Length	137.3" (3,487 mm)	166.8" (4,237 mm)
Cargo Area - Width	Wall to wall (min.) – 70.4" (1,787 mm) Wall to wall (max.) – 76.5" (1,943 mm) Between wheel housing – 49.1" (1,248 mm) Aisle between shelves¹ – 28.0" (710 mm)	Wall to wall (min.) – 77.4" (1,967 mm) Wall to wall (max.) – 83.6" (2,213 mm) Between wheel housing – 56.2" (1,428 mm) Aisle between shelves¹ – 35.0" (890 mm)
Cargo Area - Height	Rear door closed – 82.6" (2,097 mm) Rear door open – 79.3" (2,015 mm)	
Closures	Rear door – Roll-up Curbside door - Sliding Roadside driver door - Traditional hinged Bulkhead door – Powered	
Rear Roll-Up Door Access	Width – 45.0" (1,143 mm) Height – 74.3" (1,887 mm)	Width – 52.1" (1,323 mm) Height – 74.3" (1,887 mm)
Curbside Door Access	Width – 35.4" (900 mm) Height – 79.8" (2,028 mm)	
Bulkhead Access	Width – 20.2" (513 mm) Height – 76.1" (1,932 mm)	Width – 27.3" (693 mm) Height – 75.4" (1,916 mm)
Height to Ground	Curbside step – 15.4" (391 mm) Rear bumper step – 18.0" (456 mm) Cargo floor – 27.9" (709 mm)	Curbside step – 15.4" (390 mm) Rear bumper step – 18.1" (459 mm) Cargo floor – 28.1" (713 mm)
Charge Port Location	Located at the front-left corner of vehicle	

¹ If equipped with optional shelves.

Weight & Capacities ²	Rivian Commercial Van - Delivery 500	Rivian Commercial Van - Delivery 700
Curb Weight	6,837 lbs (3,101 kg)	7,242 lbs (3,285 kg)
Gross Vehicle Weight Rating (GVWR)	9,500 lbs (4,309 kg)	9,500 lbs (4,309 kg)
Gross Axle Weight Rating (GAWR)	Front – 5,370 lbs (2,436 kg) Rear – 5,370 lbs (2,436 kg)	
Payload ³	2,663 lbs (1,208 kg)	2,258 lbs (1,024 kg)

² Pre-production values.

³ By USDOT/NHTSA regulation, payload includes driver and all cargo.

Performance	Rivian Commercial Van - Delivery 500	Rivian Commercial Van - Delivery 700
Powertrain	Single-Motor Front Wheel Drive	
Horsepower	320 hp (235 kW)	
Torque	299 lb-ft (405 Nm)	
Operating Temperature Range	Ideal operating temperature: +14 °F to +109 °F (-10 °C to +43 °C) Extended operating temperature: -31 °F to +122 °F (-35 °C to +50 °C)	
Range (EPA Estimate)	161 mi. (259 km)	160 mi. (257 km)
Turning Circle (Curb-to-Curb)	46.9 ft. (14.3 m)	53.9 ft. (16.4 m)
Ramp Angles	Approach angle – 20° Departure angle – 16° Breakover angle – 14°	Approach angle – 20° Departure angle – 16° Breakover angle – 12°

Safety & Driver+

Seating	Driver seat - manual with 6-way adjustment, 2-way lumbar support, heated & cooled Jump seat - for occasional use only
Airbags	Three (3) Standard – Driver Frontal Airbag, Driver Seat-Integrated Airbag, Driver Side Curtain Airbag
Driver+ Hardware	Radars – 1x center front forward, 4x corners Cameras – 2x center front windshield forward, 2x side mirror backward, 2x rooftop, 1x rear surround view, 1x interior camera Ultrasonic sensors – 12x around the vehicle
Driving Assist Features	Adaptive Cruise Control, Blind Spot Warning, Speed Limit Information Function
Lane and Light Safety Features	Lane Keep Assist, Lane Departure Warning, High Beam Assist
Parking and Reverse Features	Back-Up Warning System, Surround Park Assist, Bird's Eye Surround Camera, Enhanced Reverse View
Collision Mitigation Features	Automatic Emergency Braking, Forward Collision Warning, Rear Cross Traffic Warning, Dynamic Braking Support

Technology⁴

Telematics Data	Provided via API, e.g., State of Charge (SOC) Full documentation available upon request
Remote Vehicle Commands ⁵	Provided via API, e.g., lock/unlock Full documentation available upon request
In-Vehicle WiFi hotspot	4G Cellular
Radio	Radio FM & HD and streaming services
Satellite Images	Enhancement to vehicle mapping/navigation
Security Features	Immobilizer and Alarm, Emergency (SOS) Calling via 4G Cellular with dedicated microphone, Walkaway lock, Soft Park (prolongs brake lifespan)
Display Sizes	Driver display – 12.3" (31.2 cm) Center display – 15.4" (39.1 cm)

⁴ May require a monthly vehicle subscription. APIs are available for direct integration and/or through an already integrated strategic ecosystem platform partner.

⁵ Future offering.

Charging

Battery	LFP (Lithium Iron Phosphate) 100 kWh Battery Pack
Charging Connector	CCS Type 1
AC Charging Rate	11 kW
DC Charging Rate	Up to 100 kW

Warranty

Comprehensive	3 years or 36,000 miles (60,000 km), whichever comes first
Powertrain (Incl. Battery Pack)	8 years or 100,000 miles (160,000 km), whichever comes first
Corrosion	5 years (unlimited miles)

