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9/23/2020

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# MTSU Clean Energy Initiative Project Funding Request

<b>1. General Information</b>	
Name of Person Submitting Request <b>Jason Young</b>	
Department/Office <b>Grounds Services</b>	Phone # (Office) <b>615-904-8316</b>
MTSU Box # <b>32</b>	Phone # (Cell) <b>615-533-4816</b>
E-mail <b>jyoung@mtsu.edu</b>	Submittal Date <b>9-23-2020</b>

<b>2. Project Categories (Select One)</b>			
Select the category that best describes the project.			
<input type="checkbox"/>	Energy Conservation/Efficiency	<input type="checkbox"/>	Sustainable Design
<input checked="" type="checkbox"/>	Alternative Fuels	<input type="checkbox"/>	Other
<input type="checkbox"/>	Renewable Energy		

<b>3. Project Information</b>
<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 <b>Propane Mower</b>
3b. Project Cost Estimate <b>\$13,600</b>
3c. Source of Estimate <b>Quote from dealer plus overhead</b>
3d. If previous funding from this source was awarded, explain how this request differs?

#### 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 is for the purchase of a John Deere Zero Turn mower to be used by MTSU Grounds Services.**

4b. Scope: Benefit Statement

**Propane is a more environmentally friendly alternative to gas. Propane burns cleaner resulting in less harmful emissions from the machine. Given volatility in gasoline prices, propane is often cheaper per gallon. Propane operated mowers require less maintenance due to the cleaner burning nature of the fuel.**

**4. Project Description (continued)**

4c. Location of Project (Building, etc.)

**Mower will be stored, operated, and serviced by Grounds Services.**

4d. Participants and Roles

**Facilities Services, Grounds Services, and CEE.**

4e. Student participation and/or student benefit

**Additional propane mower helps keep campus mowed more efficiently and produces less emissions helping keep our campus "clean & green". We use these mowers throughout campus and you've probably seen us using them at some time.**

4f. Future Operating and/or Maintenance Requirements

**Routine maintenance. Grounds Services will provide all service to the machine. As mentioned earlier, the cleaner burning propane will require less maintenance over time than a gas powered unit.**

4g. Additional Comments or Information Pertinent to the Proposed Project

**The propane mowers purchased in the past have outperformed their gas counterparts in efficiency and maintenance and produce less harmful emissions.**

## 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. (\$)

**Should save on the cost of fuel depending on the volatility of gasoline prices.**

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