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9/29/2020

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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.htm> for funding guidelines.

1. General Information

| | |
|---|-------------------------------|
| Name of Person Submitting Request : Leslie Mayberry | |
| Department/Office : Energy Services | Phone # (Office) 615-904-8356 |
| MTSU Box # 32 | Phone # (Cell) 615-238-7391 |
| E-mail : LMayberr@mtsu.edu | Submittal Date 9-28-2020 |

2. Project Categories (Select One)

Select the category that best describes the project.

| | | | |
|---|--------------------------------|--|--------------------|
| X | Energy Conservation/Efficiency | | Sustainable Design |
| | Alternative Fuels | | Other |
| | Renewable Energy | | |

3. Project Information

- Please provide a brief descriptive title for the project.
- 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. **Any funding request is a 'not-to-exceed' amount. Any proposed expenditure above the requested amount will require a resubmission.**
- List the source of project cost estimates.
- Provide a brief explanation in response to question regarding previous funding.

3a. Project Title :Differential Pressure Gauges (BRAGG, CKNB, DSB, JUB, and various locations on campus)

3b. Project Cost Estimate : \$4,000

3c. Source of Estimate : MTSU and St. Louis Boiler Supply Co.

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

To purchase and install differential pressure gauges for Viledon filters.

4b. Scope: Benefit Statement

Pressure gauges will monitor the pressure across filter banks. This information will help us determine if we need to replace or continue using the existing viledon filters. Extending the life of one filter for one month will save \$8.33. This project will cover 355 filters in project buildings on campus saving approximately \$3,000 per month. Approx.. savings over 4 months will be \$12,000.

| 4. Project Description (continued) |
|---|
| 4c. Location of Project (Building, etc.) John Bragg Media, Cason Kennedy Nursing Building, Davis Science Building, James Union Building and various location on campus. |
| 4d. Participants and Roles n/a |
| 4e. Student participation and/or student benefit n/a |
| 4f. Future Operating and/or Maintenance Requirements n/a |
| 4g. Additional Comments or Information Pertinent to the Proposed Project n/a |

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 (\$) Extending the life of one filter one month will save \$8.33. This project will affect approximately 355 filters on campus saving MTSU \$3,000 per month. Approx. saving over 4 months is 12,000.

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

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