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10/7/16

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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.shtml> for funding guidelines. Save completed form and email to cee@mtsu.edu or mail to MTSU Box 57.

1. General Information	
Name of Person Submitting Request Alan Parker	
Department/Office Facilities Services Department	Phone # (Office) 615-898-2392
MTSU Box # 32	Phone # (Cell) 615-948-3082
E-mail alan.parker@mtsu.edu	Submittal Date 9-29-16

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

3. Project Information	
a. Please provide a brief descriptive title for the project. 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. Any funding request is a 'not-to-exceed' amount. Any proposed expenditure above the requested amount will require a resubmission. c. List the source of project cost estimates. d. Provide a brief explanation in response to question regarding previous funding.	
3a. Project Title	Airflow station installation
3b. Project Cost Estimate	\$15,125
3c. Source of Estimate	Quote from vendor
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

Installation of two new airflow measuring and monitoring stations in the two outside air units serving Corlew Hall.

4b. Scope: Benefit Statement

Currently, Corlew Hall experiences large fluctuations in building over-pressurization. This over-pressurization is caused by the existing outside air units providing an excessive amount of ventilation to the building. Without any means to measure and monitor the airflow rates, it is difficult to make adjustments to the system without causing additional problems. The installation of these new flow stations would allow the proper amount of ventilation to be provided to the dorms without over-pressurizing the building. With a reduced amount of outside air being conditioned, there should be a net reduction in energy consumption to the building.

4. Project Description (continued)
4c. Location of Project (Building, etc.) Corlew Hall
4d. Participants and Roles Alan Parker - Director of Engineering Linda Hardymon - Center for Energy Efficiency Jeff McConnell - Engineer
4e. Student participation and/or student benefit
4f. Future Operating and/or Maintenance Requirements Periodic maintenance and calibration will be required to ensure the flow stations are accurately reporting airflow rates.
4g. Additional Comments or Information Pertinent to the Proposed Project

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.)

TBD

5b. Annual Energy COST Savings (\$)

TBD

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

TBD

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

None



Oct.7th, 2016

To: Norman Buck / Alan Parker
Subject: Corlew Hall Airflow Stations

Siemens Industry, Inc. is pleased to provide you with the following proposed scope of work.

Our proposed scope of work includes:

- Supply (2) Ebtron Fan Inlet Airflow Monitoring Stations. Installed by others.
- Setup and Commissioning
- Programming and Graphics.
- 1year Warranty

Our price to provide the labor during normal and after business hours as described above is: Eleven Thousand Four Hundred Ninety Five \$11,495.00

Exclusions

- Control, fire, smoke, or combination fire/smoke dampers
- Any fire alarm devices.

Please feel free to contact me either by cell phone at 615-405-0674, or email at jerry.hudgens@siemens.com should you have any questions, or require any additional information.

Sincerely,
Jerry Hudgens
Sr. Service Accounts Engineer

Siemens Industry, Inc.
Building Technologies Division

1410 Donelson Pike
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Nashville, TN 37217

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