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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)
E-mail : LMayberr@mtsu.edu	Submittal Date 9-14-2010

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

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 : Variable Frequency Drive-Walker Library	
3b. Project Cost Estimate : \$9,800	
3c. Source of Estimate : Siemens Building Technologies and MTSU	
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

Installing a VFD in Walker Library will reduce the fan speed. Reducing the fan speed will reduce the fan horse power by the cubic root. MTSU will reduce its kwh

4b. Scope: Benefit Statement

Fan speed will operate at 25% of full speed when unoccupied mode. Fan HP will be increased from 7.5 to 15hp. Efficiency of the new motor will be at least 90%, the old motor is assumed at 80% efficiency.

4. Project Description (continued)
4c. Location of Project (Building, etc.) Walker Library
4d. Participants and Roles Les Mayberry – Project Coordinator
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