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2/15/18

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## MTSU Clean Energy Initiative Project Funding Request

There are five (5) sections of the request to complete before submitting.

1. General Information	
Name of Person Submitting Request : FORREST HIGGINBOTHAM	
Department/Office Building Services	Phone # (Office) 898-5537
MTSU Box # 32	Phone # (Cell)
E-mail: FORREST.HIGGINBOTHAM@MTSU.EDU	Submittal Date: 02/15/18

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
<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. Any funding request is a 'not-to-exceed' amount. Any proposed expenditure above the requested amount will require a resubmission.</p> <p>c. List the source of project cost estimates.</p>
3a. Project Title: WRIGHT MUSIC HINTON HALL <i>LIGHTING PROJECT</i>
3b. Project Cost Estimate: \$10,884.00
3c. Source of Estimate: Equipment manufacturer and RSMeans estimating data.

#### 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 information for anticipated future operating and/or maintenance requirements occurring as a result of the proposed project.
- f. Provide any additional comments or information that may be pertinent to approval of the project funding request.

##### 4a. Scope: Work to be accomplished:

Retrofit (43) existing fixtures to allow for installation of LED lamps. Existing fixtures have a mini-candelabra base. Retrofit is for a medium base lamp.

##### 4b. Scope: Benefit Statement

The existing fixtures require the use of 500w quartz lamps with a mini-candelabra base. This type of lamp has an anticipated life span of 1250 hours of use and uses high amounts of energy. The LED lamps use 32w with a medium base, which is more readily available. The LED has an anticipated 60,000 hours with a brighter light and is also dimmable.

<b>4. Project Description (continued)</b>
<p data-bbox="228 275 852 310">4c. Location of Project (Building, etc.)</p> <p data-bbox="228 348 639 384">Wright Music Hinton Hall</p>
<p data-bbox="228 533 662 569">4d. Participants and Roles</p> <p data-bbox="228 606 1078 642">Building Services personnel to purchase and install.</p>
<p data-bbox="228 1010 1127 1045">4e. Future Operating and/or Maintenance Requirement</p> <p data-bbox="228 1083 1292 1163">It is the expectation Maintenance involvement will decrease from current requests. Anticipated life span is 6 years for lamps.</p>
<p data-bbox="228 1388 1317 1467">4f. Additional Comments or Information Pertinent to the Proposed Project:</p> <p data-bbox="228 1505 1284 1585">The School of Music uses Hinton Hall for various events and is a showplace for students to perform.</p>

### 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.)

Estimated annual energy savings is 22.47 kWh

5b. Annual Energy COST Savings (\$)

Annual energy cost savings is \$5,841.00 for a ROI (Return on Investment) of 2 months.

5c. Annual Operating or Other Cost Savings. Specify. Additional operating costs are unknown at this time.

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

Unknown.