



Dec 2/18/11

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MTSU Clean Energy Initiative Project Funding Request

There are five (5) sections of the request to complete before submitting. See
for funding guidelines.

1. General Information

Name of Person Submitting Request : Leslie Mayberry

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Submittal Date 2-16-2011

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 : Synthetic Media Pocket Filter-James Union Building(phase 1 of 2)

3b. Project Cost Estimate : \$10,000(phase 1)

3c. Source of Estimate : Viledon, Dillingham and smith

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

This project will replace fiberglass filters (60% eff.) in AHU's with the viledon (90% eff.). Fiberglass filters have been used for at least 50 years in JUB. This project will incur cost from changing out the filters racks to accommodate new filters. This project is broken up into two phase because of the higher cost of rebuilding the filter racks.

4b. Scope: Benefit Statement

The new filters will **improve air quality** and help maintain coil efficiency

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 (\$) 1,700 per year for JUB.(4 units total)

5c. Annual Operating or Other Cost Savings. Specify. (\$) There will be a savings in labor cost by not changing the filter out quarterly.

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