Thank you for your interest in the Student Green Energy Fund. Please fill out this form, which you can save to your computer. When you are ready to submit, please email the proposal by 5 pm on October 5th, 2012 to Shawna Neckar at shawnaneckar@usf.edu. You also have the option to include up to 10 MB of attachments to support your proposal.

Margaret Miller

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for academic and cultural benefit to USF students, faculty, staff, and visitors to the University. All our exhibitions are admission free.

Paramount to all the exhibitions is proper lighting for conservation, aesthetics, visibility and safety of the visitors, staff and artworks.

Because of the importance of the lighting element to our mission, we have a plan to

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The number of lamps requested are based on the maximum number of lamps we have used in past exhibitions.

The cost is based on the type of LED lamps the museum staff has tested or will be testing. The decision on the type of LED lamps to purchase will be based on the final results of the tests. We use primarily 90W Halogen lamps. But, depending on each exhibition's needs, we have also used a variety of narrow spots to wide floods with various wattages.

So the final cost will be determined after testing all the bulbs as needed. The cost range is not dramatically different between the various manufacturers, so the above amount is a close estimate.

(500 words)

Describe additional sources of funding that have been applied for and/or received for this project.

This project, 'Finding An Energy Efficient Light Bulb' is part of a larger plan of improving USFCAM's complete track light system, which includes new fixtures; additional tracks and a dimming switch system.

'Finding An Energy Efficient Light Bulb' contributes to the overall plan of reducing energy consumption, reducing the load on the HVAC system, improving art conservation, reducing labor and material costs and a general aesthetics upgrade.

We have raised funds through our museum donors and sponsorship programs for the museum's overall building fund. Because of the high cost of the other aspects of the track light upgrades, we are hoping The Student Green energy Fund (SGEF) will be able to cover the cost of the energy efficient LED bulbs.

Commented [GK3]:

(500 words)

Provide a schedule for the project from start to finish, noting the general dates of major milestones and accomplishments.

As described in Resource Matching, finding an energy efficient light bulb is part of a much larger project to improve USFCAM's complete track light system. Plans for that began in 2011.

The part of looking for an improved light bulb began in February 2012. Testing LED bulbs to the Halogen started in June 2012 with LED lamps from General Electric and Sylvania.

The complete testing should finish in November this year. At that time we should know the best LED brand to use in our situation.

Should we receive The Student Green Energy Fund, we will immediately complete purchase order requests for the LED lamps we tested to accomplish our exhibition and facilities improvement goals.

Our current exhibition closes on December 15, 2012. We will then prep the galleries and install the next exhibition to open January 18, 2013. So it is our aim to have the new LED lamps ready and installed for operation by this date.

Based on these methods and formulas, and the number of hours and lamps in operation as estimated in the Project Description, and based on $0.11 cost per kWh, the savings are :

$3,420.85 savings from the conversion to LED's;
$$1,140.28 savings on the reduced load to the HVAC system;
$792.00 savings on the reduced replacement costs for the lamps.

(500 words)

Describe how the project will be sustainable over the long term, including