

Sustainability Fee Project Grant Report Guidelines
for grants awarded during FY2019
Due by 5pm August 1, 2019
Email pdf or word doc to cfs@georgiasouthern.edu

Please provide the following information in order to help the Center for Sustainability document the success of the Sustainability Fee Grant Program.

Date: **March 23, 2018**

Name(s): **Roderick Harper, Lynne Reed, LaShai Campbell, Blake Hicks, and Steve Frawley**

Unit/Department(s): **Student Union and Mechanical Services**

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Phone: **(912)478-0441**

Project title: **LED Lighting for Student Union Auditorium**

Amount granted: **\$9,000**

Amount spent: **\$9,000**

I. Project Outcomes/Value

Detail the planned and actual outcomes of the project here.

Our goal was to improve the lighting in the Student Union Theatre by changing the conventional light bulbs in the area to LED light bulbs. Conventional lighting generally needs to be changed every other year and cost the university \$2,000 per occurrence including lift rental. After changing the bulbs, the room was brighter and more energy efficient. The new bulbs will not need to be changed for roughly 9-12 years.

Project Timeline - Is your project *completed* or still *in progress*?

If not yet completed, please explain why it is delayed and provide a projected completion date.* (*Note – an amended final report will be due one month after the projected completion date).

Our project has been completed.

Project Outcomes -List the *proposed* project goals/objectives and *actual* outcomes of the grant. Describe any successes, challenges and observations.

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Sustainability Improvements – clearly state how your project has improved campus or community sustainability and explain how you assessed the improvement. If funds were used to purchase products intended to reduce energy, water use, waste, labor cost, etc., please provide information and calculations that show the expected return on investment for your grant.

In order to change lights in the high ceiling and sloped-floor Theater, we have to rent a lift and change bulbs accordingly, which is generally no longer than two years. This cost our department, and the university is roughly \$2,000 for each occurrence. Industry projections on the lifetime of LED light bulbs are 9-12 years. The long-lasting, energy efficient light bulbs fulfilled the goal of the sustainability fee. Students witnessed and directly benefitted from the energy and money saved that have allowed us to have a lesser negative impact on our environment.

Outreach – how did you publicize your Sustainability Fee grant/project? Please attach copies of all publicity (news articles, web pages, fliers, newsletter, etc.) associated with your grant. If no publicity measures have been taken yet, what are your plans for publicity of your project?

We had signs around the entrance to the Theater and surrounding areas of the building to acknowledging that the project has been completed and that it was used by student sustainability fees. We also promoted the project on our website and social media pages to let students know that the project will be completed. Through building signage and internet efforts we reached over 20,000 students, faculty, staff, and visitors per week! Student employees including but not limited to our marketing assistant, graduate assistant, and our facility managers were responsible for creating signage and website/social media designs to inform the campus community about the project.

Budget report- provide an explanation of how all funds were used and explain any deviation from the original budget.

The estimated total cost of the project was \$9,000. We needed \$7,200 to purchase the LED bulbs and \$1,800 to rent special lift equipment to reach the high ceiling to change the bulbs due to the slope of the floor. We did not deviate from the original budget.

II. Student and Community Impact

Because these grant funds come directly from a \$10 Student Sustainability Fee, it is important to document how they benefit students. Please provide information on the following:

- #Undergraduate students employed by the grant, and length of employment (# hours/week for x weeks)
- #Graduate students employed by the grant, and length of employment (# hours/week for x weeks)
- # volunteers involved in the project, including total # of volunteer hours
- # students reached through classes or other means
- # community members reached

There were no students employed by the grant and there were no volunteers used. There were 15 academic lecture classes held each week hosting at least 100 students each. There were also movies held once a month that were open to campus and the community by Student Activities. Parents, potential students, and visitors also attended the SOAR sessions held in the Theatre.

Grant Leverage

Were you able to leverage your work for additional outcomes? Indicate the following if they apply.

Presentations given on grant work (indicate if local, regional, national, international, list title and conference name and date)

Papers published, in press or in preparation (indicate student authors with an asterisk)

Grants leveraged (list granting agency, amount awarded)

N/A

Project abstract

Provide a one paragraph abstract of the completed project **and several photos** (preferably including some of the people involved with the project at work) to be posted on the CfS web page.

Also include links to all web pages on which this work is discussed or displayed

During Winter Break 2018, the Student Union updated 100 standard light fixtures to LED bulbs in the Russell Union Theater. This space is used for academic classes and student activities such as movies and meetings. The project cost roughly \$9,000 but will save the university approximately \$20,000 per year for 9 to 12 years in reduced maintenance costs, reduced power costs, and less replacement costs. There is 75% less energy used with the new LED bulbs and the lights shine brighter since the new bulbs contain no toxic elements.

