

**Green Fund Project
Final Report**

This report may be published on the SIU sustainability website.

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Faculty Advisor (if applicable): Dr. Frances Harackiewicz (Engineering Professor); Omer Elsanusi (PhD Candidate)

Project Title: Parkinson Hall Window Films

Project ID #: 18SP118

Award Date: May 2018

Completion Date: August 2018

Total Funds Used: \$1,007.62

1. Provide a summary of your project/project experience.

Throughout the Summer months of the academic year, rooms in Parkinson's laboratory were heated to an uncomfortable temperature for occupants. This proposal aimed to reduce temperature, harmful UV rays and glare via the installation of window films. The overall experience of creating the concept, communicating with the physical plant staff, and implementing this project was exciting. Being able, as a student, to make a difference on campus is empowering.

2. Provide a summary of your results (environmental, social, and/or economic) including quantifiable data as appropriate (ex. # of individuals reached, lbs. diverted from landfill, energy saved, etc.).

Students who had courses in room 202 were surveyed during the spring semester of 2018. Students who had courses in the same room were surveyed during spring of 2019 after the window films were surveyed. They were asked about the overall feel of the room and if the temperature of the room ever distracted them from learning. In 2018 35 students completed the survey and in 2019 25 students participated.

Overall Feel	2018	2019
Cool	3%	4%
Comfortable	3%	20%
Warm	37%	36%
Hot	57%	36%

Is the temperature distracting	2018	2019
Yes	77%	52%
No	23%	44%

These results may support that the window films have helped aid in comfortability of room 202. However, without performing more experiments and statistical analysis we cannot confirm. A professor that teaches in the classroom has mentioned that the window films have lessened the glare on the smart board significantly.

- 3. Summarize how your project promoted the Green Fee/Sustainability on campus including, but not limited to, flyers created, screenshots of website, signage, etc. Please include website links, if applicable. (Reminder: you are required to promote your project using at least 2 items from the awardee website promotion list.)**

We have created posters for general student/faculty to see. The Geology Department facebook page also posted about the films.

- 4. Provide evidence of how you used the Green Fund Marker in your project.**

The posters that are hanging in Parkinson Room 202 have the green fund markers on them.

- 5. Is there anything you would do differently if you were to do a similar project in the future? If so, please describe.**

In retrospect of this project, there are some improvements that could be made for future projects. Communication seemed to be a setback throughout the process of implementation due to both party's busy schedules. Perhaps a work around for this problem would be for green fund projects to be assigned a representative from the Green Fund Committee that would provide a direct link of communication. Also, it might be a beneficial experience to have the awardee present at the implementation of the project.

- 6. Provide as an attachment to the email (see email address below) a minimum of 5 digital images. Images should be of high a quality as possible and be attached in jpg format, if available. Images will be used to promote interest in sustainability projects on campus and may be used on our website and in other promotional material. These can be photos of the progress of the project or the completed project. Provide captions for photos here.**

Photo 1: Room 202 in Parkinson where the Sterling 20 window films were installed.

Photo 2: Window facing the Student Services Building

Photo 3: The window films can help block 99% of harmful UV rays entering the room.

Photo 4: These films can help save energy for the building.

Photo 5: These films helped significantly decrease glare and improve indoor comfort and students' concentration.

7. List suggestions for the SIU Sustainability Council to improve the Green Fund Award Process here:

Better communication between green fund committee and participants. Improve required meeting to explain how funds are allocated. Post how the funds are allocated online so they can be accessed anywhere.

Final Report forms should be sent electronically, in editable Microsoft Word format, to greenfund@siu.edu. This should be completed before requesting final reimbursement. A Sustainability Council designate will review final reports before releasing funds.





