

Standing Committee Annual Report 2019-2020

Name of Committee or Council: Sustainability Campus Fee Committee

Chair: Haley Randell (August '18-February '19) Wes Powell (March '19-July'19)

Meeting Dates in Current Year: 09/13/19, 10/21/19, 12/13/19, 01/22/20, 02/05/20, 03/17/20

Major Actions or Accomplishments:

The Sustainable Campus Fee Committee funded the following projects in the 2019-2020 fiscal year. Green highlights are re-occurring yearly fees.

Project	Date	Amount Approved
AASHE Membership		\$1,280
City of Clarksville BCycle	8/29/19	\$12,000
North American Bluebird Society Membership		\$50
ChargePoint Inc Electric Vehicle Station	8/8/19	\$1,300
Great Green Idea Prize Money		\$600
Coordinator Operating Budget	09/13/19	\$5,000
Haley Randell AASHE Conference Attendance	5/8/19	\$1,740
Football Game Recycling (student workers & signs)	4/9/19 8/20/19	\$1,380
8 extra hours per week for Haley Randell	7/16/19	\$3,573
Basketball Game Promotional Funds (noise meter & water bottles)	11/1/19 11/6/19	\$1,000
Greenway Contingency		\$53,000
Little Govs Bike Rack	2/5/20	\$500
Trahern Water Bottle Filling Station	2/5/20	\$2,500
MUC Water Bottle Filling Station	2/5/20	\$2,500
Lighting Upgrades at Clement Auditorium	2/5/20	\$55,000
Replacing EV Charging Station	3/17/20	\$5,400
Support for Mabry Lighting Upgrade	3/17/20	\$22,000
	Total Allocated:	168,823
	Amount Rolling Over:	\$ 52,329.81

Project Title: Little Govs Child Learning Center Bike Rack

Name of Requestor: Claudia Rodriguez

Description: We are requesting a bike rack to be put in at our building, the sexton building. Many of our student workers, and parents love riding their bikes between campus and our center but we have nowhere for them to lock their bikes. By having a bike rack our parents and student workers would be able to use their vehicles less which then cuts down on the amount of pollution from cars. The bike rack would also benefit staff who have to go to campus for meetings and would rather bike than drive. Not only does the bike rack help cut down on pollution from vehicles it also helps promotes health and wellness by providing an option to ride a bike whereas not having one then requires people to drive their cars. This bike rack would be beneficial to so many people and we are excited to have the opportunity to see this project out.

Budget: \$500

Project Title: MUC Refillable Water Bottle Station

Name of Requestor: Patrick Armstrong

Description: The water fountain on the first floor of the MUC does not have a refillable water bottle station. With the Hispanic Cultural Center moving downstairs, there will be more student traffic on the first floor and would benefit students.

Budget: \$2,500

Project Title: Clement Auditorium Dimming and Lighting Upgrade

Name of Requestor: Jason Longan

Description: This project is to replace the theatrical lighting for the Clement Auditorium. This space is currently used daily by academic classes, departmental training sessions, student organizations rehearsals/events/meetings, and for events targeted towards students. The current system is approximately 20+ years old and at full operation is running forty 500+ watt halogen bulbs. Most of our current fixtures are discontinued, so the halogen bulbs required to replace them are difficult to find and expensive. This project would replace the lighting console, 40 fixtures, cables, and provide training for our students who operate this lighting. Each fixture replaced could possibly reduce as much as 80% of the energy used by the current halogen fixtures and not produce as much heat.

Budget: \$55,000

Project Title: Water Bottle Filling Station

Name of Requestor: Donna Conklin - Department of Theatre & Dance

Description: In the Trahern building there is only one filtered water station that is on the second floor. The majority of our classrooms are on the fourth floor. Would it be possible to get a filtered water station on the fourth floor?

Budget: \$2,500

Project Title: Mabry Lighting Upgrade

Name of Requestor: Michael Reynolds

Description: The George and Sharon Mabry Concert Hall, under the current supervision of Technical Director, Michael Reynolds, desires to improve the lighting system within the hall. Presently, the hall is theatrically lit by ETC Source 4 Ellipsoidal instruments. Each of these instruments is powered by an ETC sensor dimmer and operates using a 750 watt halogen bulb. In the concert hall's current state, several of the dimmers are broken or are in need of repair, and light bulbs regularly need to be replaced. Each dimmer is roughly \$500, and each light bulb is approximately \$20. At the current rate, the hall burns out 1 or 2 dimmers per year and roughly 60 light bulbs are replaced totaling \$2,200 in maintenance per year. The bulbs and dimmers are unpredictable, either one is subject to burn out at any time, and there is potential for disruption to an ongoing event. Along with a 750 watt halogen bulb comes a tremendous amount of heat, and the units become extremely hot in a short period of time. Positioning or focusing these lights require hands on manipulation that can lead to severe burns, if not handled properly with insulated gloves. These units occasionally require gel sheets that color the lights, and the heat can literally burn through the gel after several hours of use. There is also an incredible amount of electrical power consumption, as the hall can run upwards of 60 units at a time for several hours in length.

What the technical director proposes is upgrading our lights to LED over conventional bulbs. A product designed by the manufacturers of our current setup have developed a method of replacing the bulb system with a LED system that offers a multitude of advantages. Some of these advantages include:

- 73% reduction in power consumption. LED consumes much electricity than conventional lighting.
- Complete bypass of our dimmer system. A potential to avoid thousands of dollars in long term maintenance and replacement. These lights are DMX controlled and the method to incorporate them into our lighting setup is already in place. No electrical changes need to be made.
- Dramatic reduction of light bulb consumption. LED lights last for years.
- Dramatic reduction in heat from each unit. LED operates at low temperatures. No burns to operators, no melting gel.
- Consistent and reliable units that won't blow during a performance.

Budget: \$36,000 for entire project with \$22,000 paid by SCFC

Project Title: Replacing Nissan EV Charger

Name of Requestor: Wes Powell

Description: The Nissan car charger is not working correctly. It will cost at least \$1,000 to repair. We can install a new ChargePoint charger for \$5,400 which will match the other charges for easy use.

Budget: \$5,400