

# Student Sustainability Council Meeting Minutes

## 3/22/2017

18:31 - Meeting begins with overview of the agenda, previous meeting minutes and the reading of the preamble

18:33 - Introduction are made

18:35 - First presentation begins with the EWD-solar kiosk proposal

18:43 - presentation ends

18:43 - Q&A session for the EWD- solar kiosk begins

18:46 - Q&A session ends

18:46 - Discussion on the EWD - solar kiosk begins

18:58 - Motion to extend discussion by 2 minutes (Ryan, Mitch 2nd)

19:00 - Motion to extend discussion by 2 minutes (Ellen, Mitch 2nd)

19:01 - Motion to vote on proposal (Ellen, William 2nd)

**Vote Yes: 15 No: 1 Abstain: 3**

19:05 - Motion to vote to remove the four proposed student orgs (Ellen, Ryan 2nd)

**Vote Yes: 19 No: 0 Abstain: 0**

19:06 - Discussion on change to council size begins

19:12 - Motion to vote on increase from 23 to either 27 or 29

**Vote 27: 2 29: 17**

19:13 - Discussion on the new member organizations begin

19:14 - No discussion on LEYO

**Vote Yes: 17 No: 0 Abstain: 2**

19:17 - Motion to discuss Alpha Phi Omega

**Vote Yes: 8 No: 11 Abstain: 0**

19:34 - Motion to discuss SWE

**Vote Yes: 16 No: 2 Abstain: 1**

19:39 - Motion to discuss Campus Kitchens

**Vote Yes: 4 No: 15 Abstain: 0**

19:42 - Motion to discuss SSTOP Hunger

**Vote Yes: 16 No: 3 Abstain: 0**

19:51 - No discussion on UK Greenhouse

**Vote Yes: 13 No: 3 Abstain: 3**

19:51 - Motion to discuss biology graduate student association

**Vote Yes: 2 No: 17 Abstain: 0**

19:57 - Motion to discuss entomology

**Vote Yes: 1 No: 18 Abstain: 0**

19:58 - setting the date for raven run clean up

20:00 - Outreach committee meeting

20:02 - development committee meeting

20:05 -

03/22/17		
Name	Beginning	End
Shane Tedder	A	A
Amanda Williams	P	
Benjamin Troupe	P	
Brad Hull	P	
Elizabeth Penava	P	
Ellen Green	P	
Esther Sanchez	A	
Gabe Smith	P	
Gray Bryant	P	
Jennifer Taylor	P	
Jerrod Penn	P	
John Garlasco	A	
Julianna Dantzer	P	
Lauren Thomas	P	
Leslie Potts	P	
Mitch Mullins	P	
Rachel Cook	P	
Rob Hanna	P	
Ryan Lark	P	
Sophie Beavin	P	
Tara Hassinger	P	
William Varney	P	

## University of Kentucky Student Sustainability Council 2016-2017 Grant Application

1. Name: Evan Bartley
2. Email: evan.bartley@uky.edu
3. UK Affiliation: Undergraduate
4. Proposed Project Title: Solar Outreach Kiosk
5. If applicable, please provide the sponsoring or overseeing organization. (e.g. the Office of Sustainability, Wildcat Wheels, the Dept. of Ag. Economics, etc.): Engineers Without Borders-University of Kentucky Student Chapter
6. Total Amount Requested from the Council:
7. Would you like to make a presentation to the Council before your proposal is reviewed? Yes
8. Please mark the primary and secondary focus areas of your project with a **1** and **2**, respectively.

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>● Recycling:</li> <li>● Transportation:</li> <li>● Agriculture/Gardening:</li> <li>● Water:</li> <li>● Renewable Energy/<br/>Energy Conservation: 2</li> </ul> | <ul style="list-style-type: none"> <li>● Climate Change:</li> <li>● Local Environment:</li> <li>● Behavioral Change:</li> <li>● Species Diversity/Conservation:</li> <li>● Other (Please Describe): 1,<br/>Sustainability Outreach</li> </ul> |
|---|---|

9. Please name any other project leaders:

**Name Aaron Cambron**

<b>Title &amp; Department Undergraduate, Civil Engineering</b>	
<b>Project Role</b>	EWB Vice President

<b>Email</b>	aaron.cambron@uky.edu
<b>Name</b>	<b>Gabriel Smith</b>
<b>Title &amp; Department</b>	Graduate Student, Electrical Engineering
<b>Project Role</b>	EWB President
<b>Email</b>	<a href="mailto:gwsm222@g.uky.edu">gwsm222@g.uky.edu</a>

*Please note that any project leaders listed will be excused for closed discussion of their project proposal.*

10. Please describe the project, its goals, and how it contributes to UK student knowledge, attitudes & culture, or practices of the 3 pillars of sustainability (i.e. economic, environmental and social), including potential long term effects.

The goal of this project is to create a solar powered kiosk that can be used by various on-campus student organizations for tabling events. Such projects have been completed with success at other universities. In particular, we drew our inspiration from a kiosk at the University of Florida.

The kiosk draws attention to anyone tabling, and with its on board power, can be used for a wide variety of tasks. Built in, we plan to have lights, speakers, and phone chargers, though we will have standard plugs for any AC device to plug into it, provided it can successfully draw the power. It will also highlight sustainability by using entirely solar power for all of this. In fact, while we plan to paint three sides, we will leave one panel open as a demonstration of the electronics required for solar power.

While it is difficult to use sustainable or recycled materials for such a device, one key aspect where we are reusing is by purchasing our panels from the UK Solar car team. These panels are leftover from Gato Del Sol 4 and would not be used on the new car, so we are utilizing them for another purpose. With the rare earth metals that are often used to dope the silicon, solar panels can be difficult to make and dispose of.

We have already spoken with the Office of Sustainability, who will provide an online calendar so that all student orgs at UK may reserve the kiosk. We have also spoken to wildcat wheels, who will provide a bicycle to pull it and a permanent home for the kiosk at wildcat wheels after construction is completed at Newton's attic.

While the initial cost may be high, EWB believes this will be a valuable resource for all student orgs, to highlight not only sustainability via solar power, but also the engineering opportunities available at UK.

11. Name any anticipated project affiliates and describe the extent of their support, including any financial, matching or in-kind support. Specific details are encouraged.

In order to ensure that this project will be a worthwhile endeavour EWB has contacted officers of various student organizations to gauge their interest in using the solar kiosk on campus. While none of these organizations will be contributing financial resources or labor to the construction, they will ensure that the kiosk is a worthwhile investment for the SSC upon its completion. Specifically we have contacted:

- UK Greenthumb
- UK SSC
- WRFL
- LEYO
- The Office of Sustainability
- Wildcat Wheels
- UK Solar Car

12. Please mark the primary target population of your project with a 1 .

- UK (general): 1
- Undergraduates:
- Graduates:
- Community:
- Faculty:
- Other (Please Describe):

**In 250 words or less, please answer the following questions.**

13. Describe the intended University of Kentucky audiences and potential number of people impacted including any potential diverse segments such as student or community organizations and supporting evidence (e.g. expected or historical event/speaker attendance).

Through use by various student organizations we believe the whole student body will come into contact with the kiosk, and any student so interested may check it out for tabling events.

14. Are there any students involved in the proposed project? If so, do they benefit from professional or technical skills, outputs, or experiences such as presentations, posters, or reports?

The proposed project is almost entirely student operated. The students in the EWB organization will be the ones that design the project, select the materials, and follow through with construction. Each of the students involved will be able to experience and learn from the design project. They will be able to see a project through from start to finish. Even if this type of project does not necessarily correspond to their engineering discipline, the experience of designing and constructing a project is invaluable when it comes to real-world applications. The process of design requires technical skills in many aspects such as CAD software, knowledge of materials, and tools, just to name a few. When helping with this project, students will be able to learn these skills and put them to use. The students involved in the process will also learn how all of the components operate. They will be able to present this information to groups whenever the device is being used. Not only will the students involved learn how the different aspects of the project function, they will also be able to present this information at various events and locations where the device will be used.

15. Please describe any previous history and to what extent you, other project leaders, or the sponsoring organization may have with the UK Student Sustainability Council.

Engineers Without Borders-UKY is an organizational member of the UK Student Sustainability Council. We have an organizational rep and our chapter president serves as an at-large member on the council.

16. Please outline a timeline and milestones to ensure project efficacy prior to and after project implementation. ● 3/15/2017 Submittal of SSC Proposal Application

- 3/22/2017 Presentation to SSC
- Summer 2017 Ordering/Purchasing of required materials/testing of solar cells
- 8/30/2017 Construction of frame begins at Newton's Attic
- 10/31/2017 Frame Construction ends, interior/electrical design begins
- 12/8/2017 Construction for the semester ends
- 1/17/2018 Final additions to construction made before debut
- 2/24/2018 Debut at E-Day 2018

17. Does the success of your project require prior approval of other UK or non-UK entities (e.g. IRB or venue approval, etc.)? If so, please provide supporting documentation. No

18. Please demonstrate how the Student Sustainability Council will be credited or advertised in your project (this can include promotional material). Would a project leader be available for a radio interview?

The SSC logo would be featured prominently on the finished kiosk. As with any other student organization, the SSC will be able to reserve and use the Kiosk for on campus tabling events.

19. Using the following format, please provide a line item budget for the total amount request and what percent of the project is being sponsored by SSC funding. Provide information sources or reasoning for the budget estimates.

Description	\$ Total Cost	\$ Request from SSC	Source of remaining funds
Aluminum tubes for kiosk frame. <a href="http://www.onlinemetals.com/merchant.cfm?pid=14952&amp;step=4">http://www.onlinemetals.com/merchant.cfm?pid=14952&amp;step=4</a>	\$800	\$800	N/A
Clear acrylic plastic for siding/display. <a href="http://www.onlinemetals.com/merchant.cfm?pid=7454&amp;step=4">http://www.onlinemetals.com/merchant.cfm?pid=7454&amp;step=4</a>	\$320	\$320	N/A
Solar Cells From UK Solar Car	\$765	\$765	N/A
Inverter Hardware	\$180	\$180	
Tires	\$250	\$250	N/A
Electronic Components	\$250	\$250	N/A
Misc Components	\$185	\$185	N/A
Total	\$2750	\$2750	N/A

20. Are you willing to accept a general reduction in your budget? No

21. Are you willing to accept line item changes in your budget? No
- a. As EWB is preparing for our first ever trip to Africa this summer we do not have the funds to spare to self fund this project
22. You may include additional attachments to supplement the application such as promotional material, resumes, letters of collaborative funding, etc.
- a. attached Excel budget sheet

Submit project proposals and/or questions on proposal processes to  
**ukstudentsustainabilitycouncil@gmail.com**  
with 'SSC

**Proposal'** as the subject line.

If successfully funded, a councilmember will be assigned to your project. Failure to communicate with this person can result in a total or partial loss of funding. **Any changes in the use of approved funding must be resubmitted and re-approved by the Council. Unused funds are automatically returned to the SSC.**

Project proposals will be considered on a rolling basis and must be received 1 week prior a scheduled meeting in order to be considered for the agenda. If SSC and applicant are able to confirm that project, if funded, would be in compliance with University Business Procedures. The Fall 2016 meeting schedule is listed on the following page.