

Student Sustainability Council Meeting Minutes

20, April 2016

Name	Beginning	Ending
Abercrombie, Noah	A	A
Elliott, Jonathan	P	P
Empson, Danielle	P	P
Engle, Caroline	P	P
French, Preston	A	A
Fuentes, Karina	P	P
Green, Ellen	P	P
Grewelle, Richard	P	P
Meyer, Sadie	A	A
Miller, Alex	A	A
Penava, Elizabeth	A	A
Penn, Jerrod	P	P
Penn, Hannah	P	P
Rogers, Michaela	A	A
Smith, Gabriel	P	P
Stromberg, Aaron	P	P
Stromberg, Sam	A	A
Taylor, Jennifer	P	P
Tedder, Shane (Advisor)	P	P
Thomas, Lauren	P	P
Varney, William	P	P

19:33 – Meeting begins with introductions

19: 37 – Reading of the preamble

19:38 – Financial Update from Shane Tedder

19:39- First presentation begins with the Dr. Landry proposal

19:41 – Second presentation begins with the butterfly garden proposal

19:48 - Third Presentation Begins with Rain Garden Proposal

19:55 –Fourth Presentation Begins with Richard Grewelle’s proposal

20:00 – Fifth presentation begins with Aaron Stromberg’s Proposal

20:03 – Sixth Presentation Begins with Natalie StClair’s Proposal

20:04 – Seventh Presentation Exempted due to absence of Stratton Hattfield.

20:06 – Presentations end, discussions begin

20:06 – Discussion on first proposal begins

20:10 – Motion to vote on first proposal, Dr. Landry proposal (Ellen, Gabe 2nd)

Vote - Yes:11 No: 0(2 abstain)

20:12 – Discussion on second proposal Begins

20:14 – Motion to vote on second proposal, butterfly garden proposal (William, Ellen 2nd)

Vote - Yes: 11 No: 0 (2 abstain)

20:14 – Discussion on third proposal Begins

20:19 – Motion to vote on third proposal, Rain Garden Proposal (William, Ellen 2nd)

Vote - Yes: 13 No:0

20:19 – Discussion on fourth proposal begins

20:20 – Motion to vote on fourth proposal, Richard Grewelle’s proposal (Danielle, Ellen 2nd)

Vote - Yes: 12 No:0 (1 abstain)

20:21 – Discussion on fifth proposal begins

20:24 – Motion to vote on fifth proposal, Aaron Stromberg’s Proposal (Danielle, Gabe 2nd)

Vote - Yes: 12 No:0(1 abstain)

20:26 – Discussion on sixth proposal

20:27 – Motion to vote on sixth proposal, Natalie StClair’s Proposal (Danielle, Gabe 2nd)

Vote - Yes: 13 No:0

20:27 – discussion on seventh proposal begins

20:27 – Motion to vote on seventh proposal, Stratton Hattfield proposal (William, Gabe 2nd)

Vote - Yes: 13 No:0

20:27 – Voting and directorships assignments

20:29 – Gabe Smith presents his case for being director of development

20:31 – Ben Trouffe presents his case for being director of development

20:33 – Voting on Director of development

Vote - Gabe: 10 Ben: 5

20:38 – Outreach committee update

20:40 – Development committee update

University of Kentucky Student Sustainability Council

2015-2016 Grant Application

1. Name: Megan Harper
2. Email: megan.harper@uky.edu
3. UK Affiliation: UK Undergraduate Student
4. Proposed Project Title: Environmental Economics Seminar
5. If applicable, please provide the sponsoring or overseeing organization. (e.g. the Office of Sustainability, Wildcat Wheels, the Dept. of Ag. Economics, etc.): Agricultural Economics
6. Total Amount Requested from the Council: \$200
7. Would you like to make a presentation to the Council before your proposal is reviewed? If the SSC deems it pertinent
8. Please mark the primary and secondary focus areas of your project with a **1** and **2**, respectively.

- Recycling:
- Transportation:
- Agriculture/Gardening:
- Water: **1**
- Renewable Energy/
Energy Conservation:
- Climate Change: **2**
- Local Environment:
- Behavioral Change:
- Species Diversity/Conservation:
- Other (Please Describe):

9. Please name any other project leaders:

Name

Title & Department

Project Role

Email

Name

Title & Department

Project Role

Email

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.

This project is for a seminar given by Dr. Craig Landry from the University of Georgia. The UK Department of Agricultural Economics would like to host Dr. Landry from Monday, May 1st through Wednesday, May 3rd, 2016. Tentatively, the title of his talk is "ECONOMIC VALUES OF COASTAL

EROSION MANAGEMENT.” This project focuses on analyzing various management and protection strategies to mitigate coastal erosion in North Carolina including each strategy’s environmental impact such as water and sand quality, as well as the perception of such policies by residents and tourists.

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.

Roughly 50% of the costs associated with Dr. Landry’s seminar will be covered through a mixture of Agricultural Economics funds and the remaining portion will be covered by a donation from Jerrod Penn/Dr. Wuyang Hu’s personal funds. Jerrod Penn is a PhD student and Dr. Hu is a professor, both in the UK Department of Agricultural Economics.

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).

Given Dr. Landry's background in economics, his talk will be directly appealing to economics and agricultural economics students and faculty. However, the nature of the topic would be of great interest to those interested in soil erosion, coastal management, ecology or general environmental management issues. This could include students from hydrology, Natural Resources and Environmental Sciences (NRES), Environmental & Sustainability Studies, among others.

We recognize that Dr. Landry's time in Lexington coincides with the final exam week at UK and can negatively affect attendance among UK students. Unfortunately, there is little flexibility in his schedule while still remaining in the spring semester. To overcome this predicament, a number of UK faculty will specifically advertise and incentivize student attendance for Dr. Landry's seminar.

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?

Students and faculty will have a number of chances to meet with Dr. Landry. The department maintains an open schedule such that undergraduate and graduate students have an equal chance to meet with visiting faculty.

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.

I am currently in AEC-580 for the economic survey of Monarchs and pollinators in Lexington. The course is being taught by Dr. Wuyang Hu and assisted by Jerrod Penn. Both have an extensive history with the SSC.

16. Please outline a timeline and milestones to ensure project efficacy prior to and after project implementation.

Friday April 15:	Book Dr. Landry's flight and hotel accommodations
Monday May 2, noon:	Dr. Landry arrives in LEX
Monday May 2, 4-5pm:	Dr. Landry gives seminar. Location TBD, though likely Cameron Williams Auditorium or Barnhart 341, depending on projected turnout.
Wednesday May 5:	Dr. Landry returns to ATL

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?

All announcements and flyers for Dr. Landry's seminar will include the SSC logo. Prior to Dr. Landry's talk, the SSC will be acknowledged as a sponsor both verbally and visually.

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
Flight: Roundtrip flight from ATL→LEX. Depart Monday, May 2. Return Wednesday, May 4. Includes \$28 service fee via Avant Travel. See below.	\$300	0	Ag Economics
Vehicle Mileage: 150 (roundtrip) Athens to Atlanta Airport *\$.54/mile rate	\$81	0	JPenn/WHu
Vehicle Parking: \$16/day * 2 days	\$32	0	JPenn/WHu
Hotel: 2 nights (Monday and Tuesday) at University Inn @ South Limestone and Waller Avenue *Booked at UK rate, \$104/queen including tax	\$208	208	
Honorarium: Small benefit to Dr. Landry for giving seminar	\$400	0	Ag Economics
Meal Reimbursement: 3 days of Meals and Incidental expenses @ \$54/day	\$162	0	JPenn/WHu
Total	\$1183		

Confirm Flight Details

Departing Flight Information - Monday, May 2, 2016			
 Flight 885 1h 22m , 226 mi	From Hartsfield-Jackson Atlanta Intl Airport (ATL) Atlanta, GA Departs: 08:45 AM	To Charlotte Douglas Intl Airport (CLT) Charlotte, NC Arrives: 10:07 AM	Aircraft Airbus A321 (Jet) Economy Class
 Operated by PSA Airlines as American Eagle Flight 5153 1h 16m , 281 mi	From Charlotte Douglas Intl Airport (CLT) Charlotte, NC Departs: 01:00 PM	To Blue Grass Airport (LEX) Lexington, KY Arrives: 02:16 PM	Aircraft Canadair Regional Jet (Jet) Economy Class
Returning Flight Information - Wednesday, May 4, 2016			
 Operated by PSA Airlines as American Eagle Flight 5153 1h 16m , 281 mi	From Blue Grass Airport (LEX) Lexington, KY Departs: 02:41 PM	To Charlotte Douglas Intl Airport (CLT) Charlotte, NC Arrives: 03:57 PM	Aircraft Canadair Regional Jet (Jet) Economy Class
 Flight 787 1h 17m , 226 mi	From Charlotte Douglas Intl Airport (CLT) Charlotte, NC Departs: 05:50 PM	To Hartsfield-Jackson Atlanta Intl Airport (ATL) Atlanta, GA Arrives: 07:07 PM	Aircraft Airbus A320 (Jet) Economy Class

Price Summary

Price included taxes and fees. Prices are not guaranteed until purchase is complete. [Baggage Fees](#) are not included in your trip cost.

Total Cost: \$272.20
Cost Per Person: \$272.20

20. Are you willing to accept a general reduction in your budget? Yes
21. Are you willing to accept line item changes in your budget? Yes
22. You may include additional attachments to supplement the application such as promotional material, resumes, letters of collaborative funding, etc.

See attached flyer.

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 2015 meeting schedule is listed below:

Meeting date	Proposal due date
February 3, 2016 -	Proposals due by January 27, 2016
February 17, 2016 -	Proposals due by February 10, 2016
March 2, 2016 -	Proposals due by February 24, 2016
April 6, 2016 -	Proposals due by March 30, 2016
April 20, 2016 -	Proposals due by April 13, 2016

University of Kentucky Student Sustainability Council 2015-2016 Grant Application

23. Name: Carmen Agouridis
24. Email: carmen.agouridis@uky.edu
25. UK Affiliation: Biosystems and Agricultural Engineering
26. Proposed Project Title: UK's Butterfly Garden Maintenance
27. If applicable, please provide the sponsoring or overseeing organization. (e.g. the Office of Sustainability, Wildcat Wheels, the Dept. of Ag. Economics, etc.): Department of Biosystems and Agricultural Engineering
28. Total Amount Requested from the Council: \$1500
29. Would you like to make a presentation to the Council before your proposal is reviewed? No
30. Please mark the primary and secondary focus areas of your project with a **1** and **2**, respectively.

- Recycling:
- Transportation:
- Agriculture/Gardening:
- Water:
- Renewable Energy/
Energy Conservation:
- Climate Change:
- Local Environment: 2
- Behavioral Change:
- Species Diversity/Conservation: 1
- Other (Please Describe):

31. Please name any other project leaders:

Name
Title & Department
Project Role
Email

Name
Title & Department
Project Role
Email

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

32. 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.

In Fall of 2015, six butterfly gardens totaling nearly 3,000 square feet, were constructed on the University of Kentucky campus as part of UK 100 Pathways and Barriers to Environmental Sustainability, which is a required course for the Greenhouse program (UK's Environment and Sustainability Residential College). The butterfly gardens are located throughout campus: C.E. Barnhart Building, Agricultural Science North

Lextran Bus Stop, T.P. Cooper Building, Slone Research Building, Erikson Hall, and UK Healthcare (see <https://www.uky.edu/bae/butterfly>). The butterfly gardens contain nectar plants that provide food for butterflies and host plants that provide locations for the butterflies to lay their eggs. Butterflies and other such pollinators are critical to our food supply and biodiversity. These gardens help replace lost habitat (e.g. urbanization effect) while educating the UK community about the importance of pollinator species. Signage will be posted at each garden whereby visitors can learn more about the butterfly gardens and the importance of pollinators.

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

During the design and construction of the butterfly gardens, we sought out nearby student organizations to adopt the gardens (e.g. provide yearly maintenance with the assistance of Dr. Agouridis). The following student organizations agreed to adopt the gardens: Alpha Epsilon (Barnhart), Entomology Club (Ag North), Forestry Club (T.P. Cooper), Geology Club (Slone), Dietics/STOPP (Erikson), and Honors Living Learning program (UK Hospital). Unfortunately, the Greenhouse program will cease to exist after the Spring 2016 semester; therefore, I have not funds to help maintain the gardens. If the gardens are not maintained, UK's Physical Plant will remove them.

34. 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.

35. 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).

Since the butterfly gardens are located throughout campus, the potential exists to impact a significant number of people within the UK community as well as outside the community (e.g. people visiting UK and the UK hospital frequently pass by the gardens). A website has been created for the gardens to educate the UK and non-UK communities. As I work in Cooperative Extension, I frequently interact with other groups (profit, non-profit, government) where I use the butterfly gardens as examples of impacting student projects.

36. 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?

While the butterfly gardens were installed by students in Greenhouse (all Greenhouse students participated), the butterfly gardens were designed with the assistance of two Biosystems Engineering undergraduate students (Coleman Stivers and Adam Garner). Coleman and Adam learned design skills (spacing, layout, AutoCAD), budgeting, communications (e.g. interacting with vendors), and research skills, to name a few, while working on the project. Greenhouse students learned about pollination and the importance butterfly gardens during construction as well as their end of term presentations where they linked the butterfly gardens to topics such as food, water, and social justice.

37. 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.

I was one of the designers and lead builder/project manager of the rain garden at Farm Road. I am active in its monitoring and maintenance. One of my department's student organizations (ASABE Student Branch) has adopted the rain garden.

38. Please outline a timeline and milestones to ensure project efficacy prior to and after project implementation.

Butterfly garden maintenance will occur in late May/early June (need to ensure butterfly plants are no longer dormant and not mistaken for weeds), the butterfly gardens will be weeded and mulched. Butterfly houses will be checked for structural soundness, and any maintenance will be undertaken. Gardens will undergo monthly inspection throughout the growing season. Another layer of mulch, as needed, will be applied in the fall (approx. October) to prepare the gardens for winter.

39. 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.

I have already gained approval from George Riddle (Physical Plant) to install the butterfly gardens. We agreed I would lead their maintenance. No additional approvals are needed.

40. 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?

Each butterfly garden will have a sign briefly explaining the garden and identifying the adopting student organization. The signs have a QR code that sends visitors to the website. Acknowledgement of SSC will be

given on the website as well as in any future presentations about the butterfly gardens. Acknowledgement of SSC will also be done via social media (e.g. Twitter, Facebook).

41. 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
Plants (replacement, additional) for each garden (6 gardens, \$100 each)	600	600	
Mulch (2 x per year, each garden, \$25 per load)	300	300	
Student organization incentive (\$50 per fall and spring semester, 6 organizations)	600	600	

As during the construction of the butterfly gardens, I will donate my time as well as truck (e.g. plant and mulch delivery, debris disposal).

42. Are you willing to accept a general reduction in your budget? Yes
 43. Are you willing to accept line item changes in your budget? Yes
 44. You may include additional attachments to supplement the application such as promotional material, resumes, letters of collaborative funding, etc.

Please visit <https://www.uky.edu/bae/butterfly> to learn more about the butterfly gardens and the educational materials we have already developed.

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 2015 meeting schedule is listed below:

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February 3, 2016 -	Proposals due by January 27, 2016
February 17, 2016 -	Proposals due by February 10, 2016
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April 6, 2016 -	Proposals due by March 30, 2016
April 20, 2016 -	Proposals due by April 13, 2016

University of Kentucky Student Sustainability Council 2015-2016 Grant Application

45. Name: **Chris Matocha**
46. Email: cjmato2@uky.edu
47. UK Affiliation: **Faculty, Plant and Soil Science Department and Natural Resource and Environmental Science Program**
48. Proposed Project Title: **Fate of Heavy Metals at the CATchment**
49. If applicable, please provide the sponsoring or overseeing organization. (e.g. the Office of Sustainability, Wildcat Wheels, the Dept. of Ag. Economics, etc.):
50. Total Amount Requested from the Council: **\$3500**
51. Would you like to make a presentation to the Council before your proposal is reviewed? **If requested, I could certainly make a presentation to the Council.**
52. Please mark the primary and secondary focus areas of your project with a **1** and **2**, respectively.

- Recycling:
- Transportation:
- Agriculture/Gardening:
- Water: **1**
- Renewable Energy/
Energy Conservation:
- Climate Change:
- Local Environment: **2**
- Behavioral Change:
- Species Diversity/Conservation:
- Other (Please Describe):

53. Please name any other project leaders:

Name Dr. Alan Fryar

Title & Department
Faculty, Earth &
Environmental Sciences
Project Role Guide EES
385 students in water
sampling and teaching
hydrology principles at
the CATchment

Email
afryar1@email.uky.edu

Name Dr. Brad Lee

Title & Department
Extension Faculty, Plant
and Soil Science
Department

Project Role
Disseminate
information collected in
this project to clientele
during workshops of
stormwater BMPs

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

54. 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.

Rain gardens are an element of green infrastructure, promoting human health and well-being. They have also emerged as an effective strategy to treat stormwater runoff in urban areas by encouraging infiltration and the capture of pollutants such as heavy metals and nutrients. The SSC, partnering with TFISE, LFUCG, and several departments with CAFÉ, previously funded construction of the rain garden established on the University of Kentucky campus adjacent to the Gluck parking lot (recently named CATchment). CATchment has been used as an outdoor living laboratory for PLS 366 (Fundamentals of Soil Science) and EES 385 (Hydrology and Water Resources) to teach undergraduate students how to collect and characterize water samples. Preliminary data from a few sampling events indicate that zinc, a heavy metal which can enter the environment via tire-wear particles, is present in higher concentrations in water collected at the inlet when compared with the basin and the bank. It is unclear whether this rain garden is able to serve as a sink for zinc and other heavy metals without additional time-series data. The goals of this project are to evaluate the potential of CATchment to serve as a sink for heavy metals and to disseminate this information to UK undergraduate students and Extension offices throughout the state. We are asking for funds to support an undergraduate intern to take lead in collecting the data, working with students in both PLS 366 and EES 385 courses and alongside faculty and staff. In addition, some funds are requested to cover supplies for the lab and designing more sensors for the rain garden.

This project will provide environmental, social, and financial benefits, thus covering all three legs of sustainability. It will contribute to UK student knowledge by allowing undergraduate students to gain hands-on experience in collecting water quality data. Given the proximity of CATchment to the Gluck parking lot and roads, it is possible that trends might emerge in heavy metal concentrations with motor vehicle activity (environmental). This information could then be used to encourage students to consider alternatives to driving a motor vehicle to campus, thus augmenting other initiatives at UK such as the bike voucher program (social and financial). The data from this study will complement efforts by Extension faculty in teaching workshops about stormwater best management practices where there is a lack of data in KY on how rain gardens improve water quality.

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

The Plant and Soil Science department provides a departmental allowance to the project leader (C.J. Matocha) which usually ranges from \$2-\$5K per year. This support has been used to collect preliminary data in the CATchment.

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

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

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

57. 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).
The primary audience will be undergraduate students in the PLS 366 and EES 385 courses. Enrollment ranges from 40-70 in PLS 366 and 20-30 in EES 385. Both of these courses draw from diverse majors as they represent core courses in several degree programs within the CAFÉ and the College of Arts and Sciences.
58. 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 will include one undergraduate intern who will work with 40-70 students in PLS 366 and 20-30 students in EES 385 under the supervision of the project leaders and a technician. The intern and undergraduate students will gain experience in quantitative analyses of water quality parameters and also develop some field skills during the sampling. The intern will further develop skills in data analyses and assist in publishing the data in a refereed journal article and extension bulletin. In addition, the intern will present a poster at the annual TFISE Research Showcase and at the annual Soil Science Society of America meetings.
59. 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.
I have not submitted a proposal to the SSC previously and neither has A. Fryar or B.D. Lee.
60. Please outline a timeline and milestones to ensure project efficacy prior to and after project implementation.
**Spring 2016: Hire undergraduate intern and train in water sampling and laboratory analyses
Summer 2016: Weekly sampling by intern and technician and analyses of heavy metals and inorganic anions/cations
Fall 2016: Continued weekly sampling and working with students in PLS 366 and EES 385
Preparation of poster for TFISE Research Showcase and Soil Science Society of America meetings
Spring 2017: Continued weekly sampling, data analyses, and working with students in PLS 366 and EES 385
Spring 2017-Summer 2017: Preparation of refereed journal article and Extension publication**
61. 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**
62. 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 will be acknowledged on the poster prepared by the undergraduate intern at the annual TFISE Research Showcase and Soil Science Society of America meetings. In addition, the SSC will be credited when the project leader recruits the undergraduate intern and in Extension talks when the Extension faculty member presents stormwater workshops.
Yes, a project leader would be available for a radio interview.**
63. 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
Undergraduate student intern (\$9/h)	\$8000	\$3000	Plant & Soil Sci allowance
Laboratory and rain garden supplies	\$5000	\$500	Plant & Soil Sci allowance
Total	\$13000	\$3500	

Anticipated timeline for fund dispersal: May 15-Hire undergraduate intern
June 1- Purchase reagents for water quality analyses in rain garden
June 1-August 31- Use funds to support salary for intern and water quality analyses

64. Are you willing to accept a general reduction in your budget? **Yes**
65. Are you willing to accept line item changes in your budget? **Yes**
66. You may include additional attachments to supplement the application such as promotional material, resumes, letters of collaborative funding, etc.

University of Kentucky Student Sustainability Council 2015-2016 Grant Application

1. Name: Aaron Stromberg
2. Email: aaron.stromberg@gmail.com
3. UK Affiliation: Undergraduate Student
4. Proposed Project Title: K Week Supplies
5. If applicable, please provide the sponsoring or overseeing organization. (e.g. the Office of Sustainability, Wildcat Wheels, the Dept. of Ag. Economics, etc.): Office of Sustainability
6. Total Amount Requested from the Council: \$1,000
7. Would you like to make a presentation to the Council before your proposal is reviewed?
No, but I would be happy to take questions.
8. Please mark the primary and secondary focus areas of your project with a **1** and **2**, respectively.

- | | |
|--|--|
| <ul style="list-style-type: none"> • Recycling: • Transportation: • Agriculture/Gardening: • Water: • Renewable Energy/ <ul style="list-style-type: none"> ○ Energy Conservation: ○ ○ | <ul style="list-style-type: none"> • Climate Change: • Local Environment: • Behavioral Change: • Species Diversity/Conservation: • Other (Please Describe): 1 (SSC promotion) <ul style="list-style-type: none"> ○ ○ |
|--|--|

9. Please name any other project leaders:

○		
○	Name	○
○	Title & Department	○
○	Project Role	○
○	Email	○
○		○
○	Name	○
○	Title & Department	○
○	Project Role	○
○	Email	○

○ *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 Student Sustainability Council will be hiring an intern for the summer to manage various council related activities. One of their tasks will include preparing for the Council's presence during K Week 2016, an event for new students to become integrated into the campus. This is a great opportunity for the Council to reach out to new students and spread the word about the pool of funding that is available to all Students and Staff.
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.

N/A

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

- UK (general):
- Undergraduates: 1
- Graduates:
- Community:
- Faculty:
- Other (Please Describe): 2 (transfer students)

○

-
-
-
-
-

○ **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).

The money I am asking for will be used by the intern to purchase giveaways (such as solar chargers and some T shirts) as well as T shirts that can be worn by the council during outreach events. The giveaways will be given away at K Week, a 9 day event that will be attended by hundreds of new students, and thus has the potential to reach all of them. The shirts that can be worn during outreach events will add to the events professionalism and sense of preparedness, as well as to make the wearers appear to be slick and cool. This will probably not directly impact many students, but does serve to strengthen the councils branding within our campus.

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 intern will gain the experience of researching USA made, eco-friendly T Shirts, as well as some budgeting of funds.

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.

I have held an at-large seat with the Council in 2013-2014, and am currently an at-large member.

16. Please outline a timeline and milestones to ensure project efficacy prior to and after project implementation.

The intern will research a number of vendors and services that provide screen printing services, locally and nationally through the internet during the summer of 2016. They will present 2 or 3 options to any council members (as well as Shane Tedder) that will be around during the summer to select a final vendor. This should be done by the end of July to ensure that the T Shirts and other materials can be printed and shipped by K Week, which begins August 19.

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?

This project is for promotional material for the council, and giveaways to reach out to new students. I would be happy to oblige with a radio or internationally televised interview.

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.

The figures below are provided as estimates for how the \$1,000 may be spent, but the intern, in conjunction with their supervisor, may wish to alter the ratio of how the money is allocated. Any unused portion of the possibly encumbered funds would be returned to the council.

University of Kentucky Student Sustainability Council 2015-2016 Grant Application

67. Name: Natalie StClair
68. Email: natalie.stclair@uky.edu
69. UK Affiliation: undergraduate student
70. Proposed Project Title: KSEC Trainings for Greenthumb
71. If applicable, please provide the sponsoring or overseeing organization. (e.g. the Office of Sustainability, Wildcat Wheels, the Dept. of Ag. Economics, etc.):
72. Total Amount Requested from the Council: \$500
73. Would you like to make a presentation to the Council before your proposal is reviewed?
yes
74. Please mark the primary and secondary focus areas of your project with a **1** and **2**, respectively.

- | | |
|---|-----------------------------------|
| • Recycling: | • Climate Change: |
| • Transportation: | • Local Environment:2 |
| • Agriculture/Gardening: | • Behavioral Change: 1 |
| • Water: | • Species Diversity/Conservation: |
| • Renewable Energy/
Energy Conservation: | • Other (Please Describe): |

75. Please name any other project leaders:

Name
Title & Department
Project Role
Email
Name
Title & Department
Project Role
Email

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

76. 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.

These funds will go towards the facilitation of three separate trainings in environmental activism conducted by the director of KSEC for UK Greenthumb during the fall semester of 2016. The Kentucky Student Environmental Coalition is a low-budget non-profit organization dedicated to advancing

environmental and sustainability awareness in communities and campuses across Kentucky. Cara Cooper, the director of KSEC, has extensive experience in environmental activism in Kentucky and offers trainings on topics such as campaigning, leadership development, organizational development, fundraising, and special issues to campus groups. The money we receive from the SSC will compensate for transportation, materials, and time needed for three such trainings during the fall semester, along with the facilitation of a pre-semester planning meeting to outline Greenthumb's goals for the semester. In addition to these formal trainings, Cara will also have an ongoing mentor relationship with the UK delegate (Natalie St.Clair), who will represent UK in the state-wide organization.

Over the past few years, Greenthumb has more than doubled its active membership and significantly increased its presence on campus. This upcoming year is a crucial time for us as several members of our senior leadership are graduating and younger members are stepping up to fill their places. These trainings will come at an opportune time to support the rising leadership and strengthen UK's ties to the larger state environmental network.

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

There are no other project affiliates.

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

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

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

79. 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).

These trainings will be held at Greenthumb's meetings and will therefore directly benefit members of the club (our attendance ranges from 20-30 students per week).

80. 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?

Engaging students in environmental activism is one of KSEC's main objectives. The skills and anti-oppressive practices that students will acquire through the trainings will not only be useful in furthering environmental work in the state, but will benefit them professionally in whatever field they choose. The university delegate will receive even more in-depth skill development. This year I have already helped to organize a state-wide summit and gained invaluable experience in writing grant proposals, letters to the editor, and much more. The opportunity that this will give students to participate in environmental activism will afford them skills and hands-on experience that is well beyond what they could obtain in the classroom.

81. 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.

UK Greenthumb is a member organization of KSEC and has had a representative on the SSC for many years. Furthermore, a number of KSEC members have also been members of the UK Student Sustainability Council, including Patrick Johnson who encouraged the Student Environmental Action Coalition to write the grant that reinvigorated KSEC 3 years ago. Caroline Engle, Danielle Empson, and Ricky Grewelle are more recent members of both KSEC and the SSC.

82. Please outline a timeline and milestones to ensure project efficacy prior to and after project implementation.

If we receive the SSC funds, Cara Cooper will help facilitate a pre-semester planning meeting with Greenthumb leadership sometime in August. She will also offer 3 trainings during Greenthumb meetings throughout the fall semester, one by each of the following dates: 9/29, 10/27, and 12/8. Her work with the UK delegate will be ongoing.

83. 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

84. 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 Student Sustainability Council will be credited when we advertise the trainings to UK students. Cara Cooper and/or Natalie St.Clair, the UK delegate to KSEC, will be available for a radio interview.

85. 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
3 trainings + 1 planning meeting	\$125/meeting+ \$500 total	\$500	

86. Are you willing to accept a general reduction in your budget?

Yes

87. Are you willing to accept line item changes in your budget?

Yes

88. You may include additional attachments to supplement the application such as promotional material, resumes, letters of collaborative funding, etc.

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 2015 meeting schedule is listed below:

<u>Meeting date</u>	<u>Proposal due date</u>
February 3, 2016 -	Proposals due by January 27, 2016
February 17, 2016 -	Proposals due by February 10, 2016
March 2, 2016 -	Proposals due by February 24, 2016
April 6, 2016 -	Proposals due by March 30, 2016
April 20, 2016 -	Proposals due by April 13, 2016

April 7, 2016 To: UK Student Sustainability Council Subject: Budget alteration request for "The ecology of the Martial Eagle in the Maasai Mara region of Southern Kenya" Submitted by: Stratton Hatfield Dear Members of the SSC, In January the council approved \$6500 to fund flights and vehicle expenses for Stratton Hatfield as he conducts his Master's thesis research on Martial Eagles in southern Kenya. I am writing to request that up to \$150 of the approved budget for this proposal be reallocated to the construction and hosting of the Martial Eagle project website. Stratton Hatfield is constructing the website himself using the WIX platform (www.wix.com) and would use the reallocated funds to purchase relevant domains and to pay WIX to host the site without advertisements for one year. Stratton has opted to not construct the website through the University of Kentucky (UK) as updating the site in a timely fashion from Kenya would be very difficult when working through UK IT staff. This website is critical to this projects success as we hope it to be an educational resource for individuals that are interested in our project and a platform through which our project will receive donations. This website will have a blog that I will update weekly from the field. We hope that the SSC uses this blog and other resources on our site for their own marketing purposes. . Please let me know if you have any questions about this proposed reallocation of funds. I look forward to hearing from you. Kind Regards, Stratton Hatfield