

Student Sustainability Council Meeting Minutes

8 March 2017

- 18:30 - Meeting begins with the reading of the preamble
- 18:32 - First presentation begins with the sustainable agriculture proposal
- 18:42 - First presentation ends
- 18:42 - Q&A session for the first presentation begins
- 18:44 - Q&A session comes to an end
- 18:44 - Second presentation begins with the indoor plants proposal
- 18:54 - Second presentation comes to an end
- 18:54 - Q&A session for the second presentation begins
- 18:56 - Q&A session comes to an end
- 18:57 - Third presentation begins with the recycled benches proposal
- 19:03 - Third presentation ends
- 19:03 - Q&A session for the third presentation begins
- 19:07 - Q&A session ends
- 19:08 - Fourth presentation begins with the sustainability seminar proposal
- 19:10 - fourth presentation ends
- 19:10 - Q&A session for the fourth presentation begins
- 19:14 - Q&A session ends
- 19:16 - Discussion on the sustainable agriculture proposal begins
- 19:17 - Motion to vote (Lauren, Will 2nd)

Vote Yes:14 No:0 Abstain:1

- 19:18 - Discussion on the indoor plants proposal begins
- 19:28 - Motion to extend discussion by two minutes (Ben, Gabe 2nd)
- 19:31 - Motion to amend (ben, mitch 2nd)

Amendment - one plant per student, one plant per workshop, delivery fee stays the same, time line remains the same,

Vote Yes:16 No: 0 Abstain: 0

- 19:33 - Motion to vote on proposal as amended (Ben, Mitch 2nd)

Vote Yes:13 No:1 Abstain:0

- 19:33 - Discussion on the recycled benches proposal begins
- 19:37 - Motion to amend proposal (Gabe, Mitch 2nd)

amendment - if the high schools offer to match half of the funds, then we will not fund any funds that they are willing to match

Vote Yes:13 No:0 Abstain:2

19:38 - Motion to vote on proposal as amended (William, Mitch 2nd)

Vote Yes:13 No: 0 Abstain:2

19:39 - Discussion on the sustainability seminar proposal begins

19:42 - Motion to amend proposal

Amendment - the program should be open to both academic undergraduate and graduate student organization directly affiliated with academic department. Said academic department must be willing to manage the funds. The proposal must be reviewed by an SSC committee lead by a point person and two other people (where one is the outreach director). Semester by semester the committee must be filled

Vote Yes:13 No: 0 Abstain:2

19:48 - Motion to vote on proposal as amended (Ellen, Gabe 2nd)

Vote Yes:13 No: Abstain:2

19:50 - discussion on constitutional updates begins

19:57 - Motion to vote on constitutional amendments (William, Ben 2nd)

Vote Yes:14 No: 0 Abstain:1

19:58 - Committee updates

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

University of Kentucky Student Sustainability Council 2016-2017 Grant Application

1. Name: Mark Williams
2. Email: mark.williams@uky.edu
3. UK Affiliation: Professor in the Horticulture Department
4. Proposed Project Title: **Optimizing Student Learning in a Senior-level Capstone Class Through an Immersive Spring Break Study Tour**
5. 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 Horticulture and Sustainable Agriculture Undergraduate Program.
6. Total Amount Requested from the Council: \$960
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.

- Recycling:
- Transportation:
- Agriculture/Gardening: 1
- Water:
- Renewable Energy/
Energy Conservation:

- Climate Change:
- Local Environment:
- Behavioral Change:
- Species Diversity/Conservation:
- Other (Please Describe): Community food systems and food security: 2

9. Please name any other project leaders:

Name: Lee Meyer	
Title & Department Professor, Department	

of Agriculture Economics	
Project Role	Study tour co-leader
Email	Lee.meyer@uky.edu
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.

Summary: For the past nine years the Sustainable Agriculture undergraduate program has used the capstone class *Integration of Sustainable Agriculture Principles* (SAG 490) to challenge students to develop a semester-long project that is a culmination of their learning experiences in the program. Similar to other capstone classes in our college, the student projects involve research, design, and implementation phases, and students present their work in both written and oral forms at the end of the semester. A unique aspect of this class is that students are required to take a weeklong study tour that allows them to gain a deeper understanding of the projects they are working on by visiting exemplary agriculture systems in a specific region of our country. The trip is different each year and is based on the projects identified by the students, and is therefore tailored to optimize learning through first hand observation, inquiry and analysis. Through the study tours, students gain a transformative level of knowledge not obtainable in traditional classroom experiences, which have facilitated exemplary final projects, and refined their career path choices. This proposal is to provide partial funding to help cover the expenses for 9 students that will participate in this semester's study tour, which will take place during spring break.

Project plan including goals, significance, methods/approach, and timeline. At the beginning of the semester in SAG 490, students are asked to develop an idea for a project that will be the main focus of their learning experiences in the class. Topics are typically chosen so they relate to student career goals after graduation, or on a project that produces something capable of contributing to the sustainability of our local food system. Once the projects are identified and presented to the entire student group, the weekly class sessions (the class meets Fridays from 1:00-3:30) are developed by the instructor to provide information that allows for a deeper understanding of the individual projects. The process is very transparent and students learn from each other's ideas and thought evolution. The highlight of the semester is the study tour, where an area of the country is chosen to allow students to directly witness exemplary agricultural systems related to what they are developing. The purpose of the tours is to immerse the students in a very intensive

experience that informs their thoughts processes based on touring successful farms and other agricultural systems. After returning from the study tour students incorporate their newly expanded knowledge into their projects and it is through this process that the impact of the study tour is most recognizable. Therefore the goal of this proposal is to provide an immersive learning opportunity capable of deeply impacting student understanding to guide the development of meaningful final projects.

Every semester that this class has been taught, written evaluations have shown that the students in this class overwhelmingly rate the study tour as one of their greatest learning experiences in college. There are numerous examples of how this tour and the way it has helped shape class projects has impacted students in a way that has changed their life and career direction and a select few that are impacting our food system are highlighted here:

- In 2009 there was a collective interest in community gardens and urban farming. The trip that semester was to the Chicago and Milwaukee area to study these topics. After witnessing very successful examples of these systems, two students were empowered to come back and use their projects to develop the Peacemeal community garden at the Leestown campus of Bluegrass Community and Technical College. After graduation one of the students became the garden's first Manager and then based on her success became the Manager for the Bluegrass Domestic Violence Program's Greenhouse 17 garden in Lexington. Another student in that class went on to a career as the community garden coordinator for the city of Baltimore.
- In 2011 there were several students interested in food poverty and social justice issues associated with agriculture. The class trip included a tour of Atlanta, GA and other cities in the south to gain a deeper understanding on how agricultural systems could address these topics. As a result one student was inspired to develop a unique CSA marketing system called Fresh Stop CSA (<https://freshstoplex.wordpress.com>) that uses faith-based groups to aggregated multiple small farmers into a collective CSA with subsidized shares going to community members in impoverished and food insecure neighborhoods.
- In 2012 there was a strong class interest in aquaponics and urban farming. The class trip focused on touring model aquaponics systems in Milwaukee and Chicago. With very little previous knowledge of the topic prior to this class and trip, the students worked with a local foods advocate to develop the nationally recognized FoodChain aquaponics system in downtown Lexington. (<http://www.foodchainlex.org>). The original aquaponics system, developed as a capstone project, was the system used at the start of FoodChain, and has been reproduced at several high schools in Lexington. Immediately after graduation that semester, one of the students in this class became the Farm Manager for FoodChain and he worked tirelessly to help develop the system into one of the premier urban indoor aquaponics systems in the country.

The study tour this semester will take place during spring break. The course Instructor, the students in the class, and one additional faculty member will depart on Monday morning, March 13 and return Friday night, March 17th. One of the main assessments of student learning on the study tour is that students are required to keep a daily journal that evaluates the sustainability (economic, environmental and social) of each farm that we experience. The assignment is attached to this request.

The study tour this year is based on what students defined as their learning objectives for the course and will follow a route through Ohio, Michigan and Indiana. We will experience a range of farms and farming systems including: vegetable farms, diverse livestock and cropping farms, Urban Farms in Detroit, hop

production, the MSU student farm, a commercial tomato and potato farm, agronomic farms and the Kellogg Research Station. In general we will tour 3-4 farms and agricultural sites per day.

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.

The capstone study tour is funded through a combination of student course fees (minor contribution) and through funds generated through sales in our UK CSA program (<https://ukcsa.wordpress.com/>). The UK CSA is used as a farming apprenticeship (SAG 397) and is required for students in the Sustainable Agriculture program, such as the students that will be going on this trip. Funds from the CSA are almost exclusively used for salaries for students and staff that work on the farm outside of the apprenticeship and using those funds to support this trip limits the number of student workers that can work on the CSA. Basically the funds requested here will ensure that student learning is optimized in this capstone trip and maximize the number of hours that students can learn and work on our CSA farm.

12. 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.

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). See the summary above. This project will directly impact nine undergraduate students. The impacts that the projects that result from this class on our community have been far-reaching (see summary above for examples).

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 are the main people involved in this project and they produce a written report of the study tour (assignment attached).

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 never been funded through this group and was not aware that there was potential support for student study tours. Ellen Green is one of the students in the capstone class this semester and she suggested a few weeks ago that we should apply to the grant program.

16. Please outline a timeline and milestones to ensure project efficacy prior to and after project implementation. The study tour will occur during spring break, March 13-17, 2017. The requested funds are to pay for hotel expenses and the money will be spent by March 17th. Student sustainability assessments will be due on Friday, March 24th.

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? I would be happy to do a radio interview and mention the support in our future press releases and on our website <https://sustainableag.ca.uky.edu>

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.

Funds are requested to pay for 3 hotel rooms (3-4 people per room) for four nights. The average room charge is \$80 per room per night based on the hotels we will be using. **The total request for this proposal is \$960.**

Description	\$ Total Cost	\$ Request from SSC	Source of remaining funds
Transportation (2 min vans)	\$1,000		UK CSA
Entrance fees	\$160		UK CSA
Hotels		\$960	
Meals	\$400		UK CSA

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. I am attaching the syllabus for the course and the assignment associated with this study tour. Students are required to discuss the sustainability of each of the agricultural enterprises that we will be visiting.

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.

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

1. **Name:** Samane Zarebanadkoki,
2. **Email:** samane.zare@uky.edu
3. **UK Affiliation:** Ph.D. student
4. **Proposed Project Title:** Purify the Air around You Naturally with Indoor Plants
5. **If applicable, please provide the sponsoring or overseeing organization. (e.g. the Office of Sustainability, Wildcat Wheels, the Dept. of Ag. Economics, etc.):**
Dept. of Ag. Economics
6. **Total Amount Requested from the Council:** \$3300
7. **Would you like to make a presentation to the Council before your proposal is reviewed?**

Yes, I would be happy to present.

8. **Please mark the primary and secondary focus areas of your project with a 1 and 2, respectively.**

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

9. **Please name any other project leaders:**

Name: Mehdi Nemati

Title & Department: Ph.D. candidate, Dept.of Ag. Economics

Project Role: Workshop Assistant, Webpage designer

Email: mehdi.nemati@uky.edu

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 project educates undergraduate and graduate students at the University of Kentucky to take care of indoor plants that purify the air. The main goals of this project are:

- I. To make indoors healthier for the students: Houseplants help beautify, purify, and renew students' office, room or home by filtering out toxins, pollutants and the carbon dioxide they exhale and replaces them with fresh oxygen. Besides this effect, all plants add moisture to the air, and can even help prevent dry skin and sore throats in the winter. NASA tested common houseplants for their capacity to purify indoor air. The research shows house plants can purify indoor air and protect us from any side effects of common toxins such as formaldehyde, ammonia, and benzene. In our project, green clean houseplants that NASA is identified will be provided for the students.
- II. To create a green, pleasant and tranquil environment: a large body of academic research has shown that indoor plants have significant effects on the wellbeing, peace and even stress relief. Green Plants make the living place and workplace a happier and more productive environment. Indoor plants promote positive energy that will benefit students and the people around them.

III. To motivate and help students to find planting and gardening as a passion: This project is not a short-term goal, but we believe the peace and happiness that the plants bring to the students' lives inspire them to continue planting and gardening as a healthy hobby. Planting, watering, and taking care of plants might encourage students to identify, care, and use indoor plants in the future. We have chosen six different types of easy to take care indoor plants, which are compatible with the Kentucky weather. Two of these plants are suitable for places that do not receive sunlight; two of them require medium sunlight and other two are suitable for the rooms with direct sunlight. During the project, College of Agriculture undergraduate and graduate students receive an email that provides information about the project, different plants with a short description of the light, temperature, and watering requirements. In addition, students receive information about the project webpage and Facebook page. Forty students can register for one of the four offered workshops and during the registration they can choose two different types of plants that are suitable for their living or working environment. Through the workshops, students learn how to plant, water, and feed the plants. Also, they learn how to take care of the plants against the possible diseases. In addition, we teach students how to propagate their plants and make additional plants. For long-term effects, we encourage the students to bring their additional plants back to us at the beginning of the fall and receive new plants (second phase of the project).

We are planning to offer six plants including low light lovers (Peace Lily and Devil's Ivy), medium light lovers (Schefflera and Areca Palm) and sun-loving plants (Succulents and spider plant). All of these plants meet our requirements (e.g. easy to take care, budget, and compatible with the Kentucky weather) and are green clean houseplants identified by NASA.

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.**

Mehdi Nemati is kindly assisting me to initiate the project, and he will help me during the workshops. He has experience in holding educational workshops for public and students. Since he has expertise in designing webpages, he is willing to create webpage for this project to advertise the project and educate community more broadly in using indoor plants to purify their working or living places.

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

- | | |
|---|----------------------------|
| • UK (general): | • Community: |
| • Undergraduates: 1 (Primary Target) | • Faculty: |
| • Graduates: 1 | • 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).**

There will be four workshops in the second week of April and ten undergraduate, and graduate students will attend in each workshop. Totally, 40 students will directly benefit from this project. The main purpose of these workshops will be educating students about the indoor plants. It is important to note that this project has broader audience such as students' families and friends through students and community through the project webpage. This project also serves as an experiment for our team. Using this project as a learning curve, we are planning to run extended version of the project in spring 2018, which has broader audience including more UK students as well as UK faculties, staff, and their families.

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?

As a Ph.D. student at the University of Kentucky, I am involved in this project directly as a principal organizer and instructor of the workshops. Specifically, this experience will improve my extension skills, which I cannot gain through my classes. Also, I am planning to involve at least 2 UK Ag undergraduate students in the project. They will be helping me from the beginning to the end of the project including assistance in purchasing of supplies process as well as organizing workshops. There will be an additional assistant from Mehdi Nemati, who is a Ph.D. candidate at UK AgEcon department.

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.

This project will our first experience with the UK Student Sustainability Council.

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

Time	Work
March 1, 2017	Proposal submitted
2 nd Week of March 2017	-Receive funds -notify undergraduate and graduate students about the workshop, design the project webpage and Facebook page
3 rd Week of March 2017	Order pots and fertilizers
1 st Week of April 2017	Purchase soil and plants
2 nd Week of April 2017	2 Workshops
3 rd Week of April 2017	2 Workshops
2 nd Week of May 2017	Follow up workshop
2 nd Week of September 2017	Follow up event for additional plants created by the students

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, this is an educational workshop, and there is no human subject involved in the project.

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 UK SSC will become an official affiliate of the “Purify the Air around You Naturally with Indoor Plants” Project, and their logo will be included in our project reports and when applicable on our Facebook page posts. During the workshops, it will be made clear to students that this project is funded through the SSC. It is important to note that the logo of UK SSC will appear on all plants pots, the webpage and Facebook page.

Also, I would be available for a Radio Interview as well.

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	From	\$ Unit Cost	\$ Total Cost	\$ Request from SSC
1.25-Quart Peace Lily (L20977HP) (#20)	LOWE'S	\$11	\$220	
1.4-Quart Golden Pothos (LTL0077) (Devil's Ivy) (#20)	LOWE'S	\$8	\$160	
1.57-Quart Schefflera (Ltl0069) (#20)	LOWE'S	\$9	\$180	

1.25-Quart Parlor Palm(L01952) (#20)	LOWE'S	\$12	\$240	
1.5-Gallon Spider Plant (L03929) (#20)	LOWE'S	\$11	\$220	
1.5-Gallon Assorted Succulents (L24880) (#20)	LOWE'S	\$15	\$300	
ORÄDD Plant pot, indoor/outdoor beige, beige (#140)	IKEA	\$1	\$140	
Pots delivery from IKEA Cincinnati (#1)	IKEA	\$100	\$100	
Miracle-Gro 50-Quart Potting Mix (#20)	LOWE'S	\$15	\$300	
Miracle-Gro 8-fl oz Indoor Plant Food, Fertilizer (# 60)	LOWE'S	\$9	\$540	
LOWE`S delivery (#1)	LOWE'S	\$100	\$100	
Undergraduate assistant(\$10/hour, #80)	UK Ag Department	\$10	\$800	
Total (\$)	-	-	\$3,300	\$3,300

Note: This table includes cost for the first round of the project (40 students, each student receives two plants) and the follow up event cost. Follow up event is at the beginning of fall 2017 in which students who create additional plant receives one more plant as a reward. We estimated 50% of the students create additional plant and receive an extra plant.

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.**

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.

University of Kentucky Student Sustainability Council 2016-2017 Grant Application

1. Name: Benjamin Troupe
2. Email: benjamin.troupe@uky.edu
3. UK Affiliation: Undergraduate
4. Proposed Project Title: Community Recycled Bench Initiative
5. If applicable, please provide the sponsoring or overseeing organization. (e.g. the Office of Sustainability, Wildcat Wheels, the Dept. of Ag. Economics, etc.): LEYO, UK Office of Res Life, PPD, Bluegrass Youth Sustainability Council, Department of Agriculture Economics
6. Total Amount Requested from the Council: 2,750
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.

- Recycling: 1
- Transportation:
- Agriculture/Gardening:
- Water:
- Renewable Energy/
Energy Conservation:

- Climate Change:

- Local Environment: 2
- Behavioral Change: 1
- Species Diversity/Conservation:
- Other (Please Describe):

9. Please name any other project leaders:

Name: Jerrod Penn	
Title & Department: Graduate Student, Department of Agriculture Economics	
Project Role: Advisor	
Email: jerrod.penn@uky.edu	
Name Tresine Logsdon	

Title & Department: Energy and Sustainability Curriculum Coordinator, Fayette County Public Schools Advisor, Bluegrass Youth Sustainability Council	
Project Role: Partner Organization Advisor	
Email: tresine.logsdon@fayette.kyschools.us	

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 aim of this project is to affect the behavior of students across the Lexington-Fayette Urban County, by incentivizing proper recycling habits. The goal is to encourage local high schools and middle schools to collect enough plastic caps or lids to receive a bench made entirely from recycled plastic manufactured by Green Tree Plastics, LLC. of Evansville, IN. In order to receive one 6 ft. bench with a back, each school will have to collect 400 lbs. of bottle caps (approximately 10, 55 gal. trash bags). A wide array of plastic lids and caps are accepted, so students would be encouraged to collect plastic lids at home for recycling. Schools have been paired with the largest residence halls at UK, and with the help of the Department of Residence Life and Lexington Environmental Youth Outreach, will collect caps in coordination with the efforts at their partner school. Once each school-Res hall partnership reaches the 400 lbs. goal, the high school would be rewarded with a new, recycled bench made from the plastic bottle caps. The caps must be delivered in one load to Green Tree Plastics, at which time you can pick up your bench. Along with 400 lbs. of caps, a co-pay of \$225 per bench is also required. Utilizing moving truck rental, Jerrod Penn and Ben Troupe would deliver all recycled caps to Green Tree Plastics, return with the recycled benches, and deliver each bench to its respective participating school. Plaques stating the sponsoring organizations, and partnered residence halls will be affixed to the back of each bench to honor the financial contributions and dedication of student organizations to sustainability in Lexington public schools. The Fayette County Public Schools facilities management team would then be tasked with installing the benches in their proper locations at each school. Ideally, the dedication of the benches would occur on Earth Day (April 22, 2017), in commemoration of the students' dedication to recycling. The hope is to show students that recycling is not just another form of waste removal, but a tangible method for creating products that affect the entire community. A part of this project includes educating students on the types of plastic caps and lids that can be most easily recycled, and will serve as a great motivator of future action. Though the scope of the project is narrowed in comparison to other forms of recycling products like paper, plastic bottles, and glass, the ability for students to experience the material output of their hard work is crucial to challenging their preconceived notions of recycling. Ultimately, the project will demonstrate to students that recycling is a viable method for creating products, and will encourage them to begin recycling in their daily lives.

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.

The Bluegrass Youth Sustainability Council will be the frontline of the project in each of the participating local schools. The BYSC has approximately forty active members across eight LFUC public and private high schools, and is the largest inter-scholastic sustainability organization in the county. They have completed a

wide-array of projects and created a multitude of initiatives benefitting sustainability in the Lexington community. Each participating school will have a project representative from the BYSC that will be tasked with the collection of recycled caps at each school, and will answer to a sub-committee governed by the BYSC. The sub-committee will be tasked with providing an update from each participating school monthly in order to track the progress of the project, which will be available to the liaison assigned by the SSC. Six schools have been targeted for participation in this project: Lafayette, Dunbar, Sayre Upper School, Henry Clay, Bryan Station, STEAM Academy, and Tate's Creek. These schools were chosen under the recommendation of the BYSC, their advisor and Fayette County Public Schools Sustainability Curriculum Coordinator, Tresine Logsdon, and based on potential output due to size and participation level. At the University, UK Residence Life and Lexington Youth Environmental Outreach (LEYO) will work in coordination to collect caps at residence halls around campus. Each Res Hall will have dedicated recycling receptacles for the caps (supplied by PPD), and LEYO will help collect and manage the storage of these caps in the halls. Beyond the work in the residence halls, LEYO, in coordination with their work at William Wells Brown (WWB) elementary School, will also assist in the cap collection ongoing at that school. There are also opportunities for LEYO, Res Life, and the BYSC to interact in outreach and collection efforts throughout the length of the project.

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

- UK (general): 1
- Undergraduates: 1
- Graduates:
- Community: 1
- 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).

This project is primarily aimed at benefitting the Lexington-Fayette community and University of Kentucky resident students. Approximately 40 student members of the BYSC will be actively participating in the implementation of the project, but the combined amount of students that may participate in the bottle cap recycling initiative at the local schools totals over 11,000. Given the implied participation of students' family members in the recycling process at home, the true number of community members affected by this project may be in the upwards of 20,000. Since this project is directed at each public high school in Lexington, the outreach of this project indirectly affects the UK community as well. UK is the largest employer in the Lexington-Fayette Urban County, which means many of the students participating in the recycling initiative will have family members employed at some capacity by UK. Also, many students who attend LFUC public

and private schools choose to attend UK as undergraduates. UK students in the largest residence halls on campus, as well as volunteers from LEYO will be significant factors in the success of the project. Based on the populations of the residence halls participating, approximately 5,000 undergraduates will be impacted during the project.

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 in residence halls at UK will be involved directly in the cap collection aspect of the project, while volunteers from LEYO will have the opportunity to manage the logistics of the project at each residence hall. This will increase the amount of exposure of the organization to undergraduates, and teach volunteers outreach skills in particular recycling.

The student members of the BYSC will benefit from learning how to organize a community project towards the collective goal of promoting sustainability to a large population. Students will learn how to engage in outreach efforts to peers and family members, in order to insight a change in recycling habits. Participating students will also be provided a great essay topic for college admissions essays, scholarship applications, and to diversify their volunteer portfolio. Student leaders will have the ability to participate in radio and television news interviews if desired, and the BYSC and SSC will gain significant community recognition. Ben Troupe is the project coordinator and is an undergraduate, junior at UK, while Jerrod Penn is a graduate student in the Department of Agriculture Economics at UK. Both students benefit from gaining professional skills in organizing a large community sustainability effort. This project could also result in presentations given at sustainability conferences and outlets like AASHE and DOPE.

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.

LEYO is an organization in which a few members of the SSC are members and leaders, specifically Jennifer Taylor and Ellen Green. Ben Troupe and Jerrod Penn are both current members of the SSC, and have received funding for projects in the past. The BYSC has reached out in the past to partner with the SSC, but this would be the first collaborative project between the two organizations.

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

December 13, 2016: Formation of BYSC Sub-Committee & Assignment of Representative Duties.

December 14-16, 2016: Outreach to students at participating high schools to collect caps over the holiday break

December 19, 2016 - January 1, 2017: Fayette Co. Public School Winter Break

January 2, 2017: Classes resume, collection of winter break recycled caps at participating schools

January 3 - April 14, 2017: Collection of recycled caps at participating schools and residence halls

February 23, 2017: Installation of Receptacles at Residence Halls & Coordinated Outreach Efforts

April 17-19, 2017: Conclusion of caps collection, delivery to Green Tree Plastics, delivery of

benches to each participating school, and the attaching of commemorative plaques

April 20-21, 2017: Installation of benches at participating schools by school maintenance departments

April 22, 2017: Dedication of benches at participating schools on Earth Day.

(The collection period may be subject to change depending on the amount of caps collected, but will conclude no later than

5/12/2017. This would mean installation of the benches would occur by 5/19/2017.)

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.

This project does not require approval from the administration of participating high schools, though they will be notified by the BYSC’s advisor, Tresine Logsdon, of the initiative and its expectations. The LFUC School Board does not need to approve this project. Tresine Logsdon, who is a member of the committee who reviews maintenance requests, will submit the request for the bench installation to LFUC Public Schools Facilities Management. The request will be submitted once the amount of caps at each school nears the 400 lbs. goal. PPD and the Department of Residence Life have both approved the project, and are eager to help in any capacity.

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 project coordinator, BYSC advisor, and/or high school student leaders will be available for a radio interview. The SSC will be credited for their significant financial commitment to this project in all media, publications, reports, and presentations. The SSC would also be credited with funding the project on the plaque affixed to the back of each recycled bench.

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
Bench Co-Pay (6 @ \$225 ea. + tax)	\$1,800	\$1,800	
Plaques (6 @ \$43 ea.)	\$425	\$425	
Moving Truck Rental (1 day) & Gas	\$525	\$525	
Total:	\$2,700	\$2,700	

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.

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.

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

1. Name: **Leslie Potts**
2. Email: **lesilej.potts@gmail.com**
3. UK Affiliation: **Ph.D candidate, Entomology Department**
4. Proposed Project Title: **Sustainability Seminar Student-Choice Speakers**
5. If applicable, please provide the sponsoring or overseeing organization. (e.g. the Office of Sustainability, Wildcat Wheels, the Dept. of Ag. Economics, etc.):
6. Total Amount Requested from the Council: **\$7500**
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.

- Recycling:
- Transportation:
- Agriculture/Gardening:
- Water:
- Renewable Energy/
Energy Conservation:

- Climate Change:
- Local Environment:
- Behavioral Change: **1**
- Species Diversity/Conservation:
- Other (Please Describe): **2 Sustainability education**

9. Please name any other project leaders:

Name: Jerrod Penn	
Title & Department: Ph.D candidate, Ag Econ Department	
Project Role: idea man	
Email: jerrod.penn@uky.e du	

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 would provide \$750 to 10 graduate student organizations to host a seminar speaker that would present on a sustainability-related topic. Examples could be organic growing practices, climate change modeling and mediation, economic practices of sustainability, businesses with mission of sustainability, energy conservation, etc. Because the 10 speakers will come from various disciplines, we expect all three pillars to be represented in the series. Furthermore, the project supports long-term sustainability education through increasing graduate student awareness of sustainable projects and research (people), increasing the spread of a particular researcher's/professional's idea of sustainability, and promoting communication and collaboration between UK and the visiting seminar speaker.

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.

Project affiliates would be the 10 graduate student organizations that would apply for the \$750 to bring in a speaker. The students would have to be willing to host the seminar speaker, coordinate travel and hotel plans if needed, and promote the talk to maximize student attendance. A letter of support from a faculty member from the corresponding department is required to demonstrate departmental support for hosting the visiting speaker and to cover any remaining expenses during the speaker's visit.

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

- UK (general):
- Undergraduates:
- **Graduates: 1**
- 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).

The intended UK audience would be the graduate student organizations, and their associated faculty, as well as any interested outside members. This could range from around 50 people in the Entomology Department, to around 80 people in the Biology Department. In the past, interested people outside of the student organization, and department could also benefit.

This could include other departments or even people outside of UK if the promotion of the seminar speaker is broad enough.

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 students of the graduate student organizations would all be involved. The seminar speaker chosen would be a student-choice speaker, so each student would have the opportunity to research and vote on a person they find interesting to invite for a seminar. They would benefit from the conversations and interaction with the invited speaker, and possibly promote further collaboration or mentorship.

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 a newly elected at-large member of the council, and my previous history with the UK SSC is limited. Jerrod Penn has had extensive history with the SSC, creating and implementing many successful project ideas.

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

March 8th: SSC meeting to vote on proposal, immediately contacting student organizations if approved

April 1st: email SSC their nominated speakers to invite after SSC approval, invite speakers for seminar

All speakers must visit by the end of Spring semester 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 will provide a flyer template for each department to use in promotion of the speaker. This will help create cohesiveness for the UK SSC Student-Choice Speaker Series across departments. Additionally, the SSC would be credited when the student organizations promote the seminar speaker, and introduce them the day of their talk. I would be available for a radio interview if desired by the council.

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
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Funds for travel, hotel, dinners, etc. for invited seminar speaker for 10 graduate student organizations	\$750	\$7500	\$0

20. Are you willing to accept a general reduction in your budget? **Yes, perhaps less than 10 graduate student organizations**

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.

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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.

Example form for student groups to submit to SSC for approval:

Name of Student Organization:	H. Garmen Entomology Club
UK SSC Student-Choice Speaker Nomination:	Gadi V.P. Reddy
Area of research of nominee:	Sustainable pest management with chrysomelid beetle pest in Montana
Letter of support from faculty member	Attached
Does your organization include grad and undergraduate students?	no