

View results

Respondent

1 Codie Sterner

11:00

Time to complete

Instructions:

Please adhere to the session word counts. Project leads must attend one SSC working group meeting post step 1 application submission. If you have any questions about the application process, please contact the SSC at Sustainability-Committee@illinois.edu.

1. Have you attended a working group meeting and presented your project to the committee before this application? The SSC requires attendance at a working group meeting to remain eligible for SSC funding. If you have not attended a working group meeting, please do so and then continue the application.

Linked below is our calendar with all of our working group meetings
<https://studentengagement.illinois.edu/student-sustainability/ssc/calendar/>

*

Yes

No

2. Please enter the date of the working group meeting you attended. As a reminder, the working group meetings are structured as follows:

- Energy + Transportation and Infrastructure working group.
- Food & Waste + Land, Air, and Water working group.
- Education and Justice working group.

*

09/17/2023

3. Project Name: *

University Supply Chain Procurement Study to Determine Planned Obsolescence Behaviors

4. Total Funding Requested From the SSC. *

\$42,630.00

5. Date of application. *

09/27/2023

6. Project Lead Full Name: *

Mark Mock

7. Project Lead University Email Address. *

mmock@illinois.edu

8. Project Abstract: (In less than 100 words, briefly describe the project.) *

My team will study university analytics involving supply chains and the implications of responsible consumerism. If successfully gathered, the data from studying the university suppliers and stakeholders will provide insight into whether the university is responsible for supplying funds to corporations known to implement planned obsolescence in their manufacturing.

9. Project Category *

- Education & Justice
- Energy
- Food & Waste
- Land, Air & Water
- Transportation & Infrastructure

Project Team Member List (student projects must include their faculty/staff advisors info)

Project Lead

10. Full Name: *

Mark Mock

11. RSO/Department *

College of Fine and Applied Arts

12. University Email Address: *

mmock@illinois.edu

13. Do you have a faculty/staff advisor? *

- Yes
- No

Project Team Member List (student projects must include their faculty/staff advisors info)

Additional Member

14. Full Name:

15. RSO/Department

16. University Email Address:

17. Do you have additional Members? *

- Yes
- No

Project Questionnaire:

18. Is this project student led? *

- Yes
- No

19. If applicable, have you received approval from Facilities & Services and/or site manager? *

- Yes
- No
- N/A

20. Do you have a plan for ongoing funding beyond SSC? (SSC does not guarantee ongoing financial support) *

Yes

No

21. Beyond SSC, do you have sources contributing funding or support (ex. staff time, external grants, etc.) to this project? *

Yes

No

22. Have you applied for SSC funding previously? *

Yes

No

23. Please attach any letters of commitment or support here along with any other supplemental media that will support your application (presentations, pictures, etc.)

 [UN SDG Codie Sterner.png](#)

24. Project Timeline:

(SSC funding agreements remain active for two years. List your project's timeline and/or milestones.) *

Designing a database: 2/26/2024
 Registering stakeholders: 3/26/2024
 Scheduling interviews and generating interview algorithms: 4/26/2024
 Engineering a scale system for planned obsolescence: 6/20/2024
 Creating a Tableau dashboard to display findings: 8/20/2024 Hire an outside consultant to provide counter-metrics comparison: 11/20/2024
 Present results to the board of trustees: 12/20/2024
 Publish Abstract and results in Sustainability Now: 4/20/2025

25. Project Description:

(In 250 words or less, describe your project. What does your project hope to accomplish? What are your project's deliverables?) *

We aim to enhance sustainability via responsible consumerism. If the university has the results from this study, it will improve credibility for procurement for the UIUC. Better information can provide the basis for better purchasing. If the information is also public, it will cause stakeholders to be aware of the publication results. This eliminates the possibility for UIUC purchasing stakeholders to enact plausible deniability. The deliverables for the project will be an abstract and a scientific article that will ideally be published in Sustainability Now, as well as a functional Tableau dashboard that may be embedded in university media.

26. Environmental Impact:

(In 200 words or less, how does your project increase environmental stewardship at UIUC? If applicable, what is the carbon, water, waste, and/or energy savings?) *

The environmental impact will be a reduction in purchasing products with a low Life Cycle Analysis (LCA). Planned obsolescence is a manufacturing method that produces products with a limited shelf life, causing the need to purchase replacements early and often. Products with a high LCA will provide less waste, less carbon footprint on shipment, and better quality for repair. Less products bought lowers landfill rates and creates responsible consumerism for the UIUC campus.

27. iCAP Objective Correspondence:

(In 200 words or less, does your project aim to advance one or more of the Illinois Climate Action Plan's (iCAP) objectives? If so, how?)

A full list can be found here: <https://icap.sustainability.illinois.edu/objectives>

The Illinois Climate Action Plan will be able to implement the published results of the abstract and scientific article. The Tableau dashboard can be embedded in the iCAP portal, and the overall results of the research can be studied in class materials.

28. Student Impact:

(In 200 words or less, how will this project benefit students? How will students be involved with this project? What educational components are in your project?)

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1,660 hours of paid work will be given to student interns. The experiences they gain during the research will provide them with direction and scope of sustainability in the higher education industry. University students will also be able to enjoy the status of a university that perpetuates stewardship by supporting future environmental and sustainability initiatives.

Project Finances

29. Please see attached file, fill out the detailed budget and timeline Excel sheet, and submit it below.

<https://studentengagement.illinois.edu/student-sustainability/ssc/docs/SSC-Supplemental-Budget-Timeline.xlsx>

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 [University Analytical Study of Planned Obsole. Codie Sterner.xlsx](#)

30. Project Finance Manager.

Must be a fulltime UIUC faculty or staff member** *

Molly Mcmoney

31. Finance Project Manager Department *

Department of Nuclear Engineering

32. Project Finance Manager University Email *

momoney@illinois.edu