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Respondent
2 Quinn Connolly

13:20
Time to complete

Instructions:

NOTE: To remain eligible for SSC funding after the Step 1 application, the SSC strongly suggests that project leads present their proposed projects at a working group meeting BEFORE submitting their Step 2 application. If you have not attended a working group meeting, please do so and then continue the Step 2 application.

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

If you have any questions about the application process, please contact the SSC at Sustainability-Committee@illinois.edu.

1. Please select the working group meeting at which you presented. *

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

2. Date of Working Group Presentation: *

3. Project Name: *

4. Total Funding Requested from the SSC: *

5. Project Lead Full Name: *

6. Project Lead Department: *

7. Project Lead University Email Address: *

8. Are you a student? (NOTE: All student-led projects must have a faculty/staff advisor. *

- Yes
- No

9. Project Category: *

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

10. **Project Abstract:**

In 200 words describe the project *

This project will fund the equipment, materials, and student wages to operate a sawmill for the purpose of milling trees that are taken down on campus into useable lumber for campus student groups, workshops, and the F&S Mill shop.

Project Team Member List (Student projects must include their faculty/staff advisor's info)

Project Lead

11. Full Name: *

Lowell Miller

12. Department: *

Arch Woodshop/Fab Lab

13. University Email Address: *

lrmiller@illinois.edu

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

- Yes
- No

Project Team Member List (Student projects must include their faculty/staff advisor's info)

Additional Member

15. Full Name:

Quinn Connolly

16. Department:

F&S Sustainability

17. University Email Address:

quinn3@illinois.edu

18. Do you have additional members? *

- Yes
- No

Project Team Member List (Student projects must include their faculty/staff advisor's info)

Additional Member

19. Full Name: *

Scott Schmidt

20. Department: *

F&S Mill Shop

21. University Email Address: *

jsschmid@illinois.edu

22. Do you have additional members? *

- Yes
- No

Project Questionnaire

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

- Yes
- No

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

- Yes
- No

25. Have you spoken with anyone in UIUC's Division of Facilities & Services or a facility's site manager (if relevant) regarding project feasibility and/or approval? *

- Yes
- No


26. With whom did you speak? *

Grounds

27. Email address of person with whom you spoke: *


Dave Boehm

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

 [SSC Question Responses_Quinn Connolly.pdf](#)

 [SSC-Supplemental-Budget-Timeline \(Gas\) Final_Quinn Connolly.xlsx](#)

 [Campus Lumber Project_Quinn Connolly.pptx](#)

 [Connolly_support_letter_NRES_Quinn Connolly.pdf](#)

 [Quinn Connolly Letter BMG_Quinn Connolly.pdf](#)

29. **Project Timeline:**

List your project's timeline and milestones. (NOTE: SSC funding agreements remain active for two years and it is expected that the awarded amount will be spent within the award period.) *

Purchase of Wood Mizer Sawmill
 Installation of Sawmill at Forestry Plot
 (Installation of electrical connections)
 Hiring of student workers/training period
 First lumber milled
 Lumber drying time
 Lumber is allocated to its first project/shop

30. **Project Description:**

Describe your project in sufficient detail such that we can evaluate its merit and feasibility.
 What does your project hope to accomplish?
 What are your project's deliverables? *

This project seeks to engage students and staff with the process of milling lumber, and to train those groups through the process. Once lumber is milled and dried, it can be used in student workshops and at the F&S Mill shop. This would allow students to create works with local lumber, and staff members to create items for sale in university stores and within campus buildings and new construction. Ideally this project can expand to partner with the City of Urbana and Champaign to obtain waste timber and increase production to divert as much lumber waste as possible. These groups have already been contacted about this possibility.

31. **Environmental Impact:**

How does your project increase environmental stewardship at UIUC?
 If applicable, what is the carbon, water, waste, and/or energy savings? *

By diverting how much lumber is purchased from external sources, and sourcing as much lumber as possible from trees on campus. That otherwise would have been processed into mulch, we can divert some carbon costs from the transportation of lumber.
 Additionally, by utilizing local resources to be processed and utilized by local workers and students, we support a local circular economy and supply chain.
 We estimate that we can create 10-18,000 board feet of lumber per year. For reference, the F&S Mill shop purchased 14,955 board feet in 2023. This indicates that a large portion of campus shops can purchase lumber from our production instead of purchasing from large companies. Which have multiple transportation points across the U.S. Lowering the carbon footprint from transportation drastically from the lumber created by our project.

32. **iCAP Objective Correspondence:**

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 Campus Lumber Project supports iCAP objectives 5.3 and 5.5. By planning for organic waste from trees and diverting that waste which would otherwise be chipped into mulch or firewood. And establishing a culture of reuse by taking what would be organic waste and turning it into building materials.

33. **Student Impact:**

How many students will be directly impacted by this project? *

Minimum of 2 students would be hired to directly work on the equipment and involved in the process of milling, drying, and preparing the lumber to be send to shops. This does not include the students who could volunteer and be trained to use the equipment.

34. How many students will be indirectly impacted by this project? Please be realistic in your estimate. *

We plan to have a portion of lumber created go directly to student wood shops. In order to provide students with different kinds of wood to work with an expand their wood working knowledge. This number would not be calculable as many woodshops and the students who use them fluctuates.

35. How will this project benefit students?
How will students be involved with this project?
What educational components are in your project? *

Students will be involved directly in the process of milling and drying. Student workers will be trained to operate equipment and be involved with every step in the process. A portion of the lumber created will be sent to student shops for students to learn how to use different kinds of wood in projects. In the future we hope that the lumber created from the project is utilized by many shops and departments on campus. And featured in the furniture and construction of campus buildings.
We hope that students will be excited that the materials they work with come from and are produced on campus by students. And that this excitement will translate to a deeper knowledge of circular resource systems and utilizing local resources and labor.

Project Finances

36. **Please Complete the Attached Budget and Timeline Excel File**
Please be very descriptive when filling out the document. Submit the completed document below.

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

*

 SSC-Supplemental-Budget-Timeline (Electric) F. Quinn Connolly.xlsx

37. **Project's Finance Manager:**
Must be a fulltime UIUC faculty or staff member** *

Lowell Miller

38. Project's Finance Manager's Department: *

Arch Woodshop/ Fab Lab

39. Project's Finance Manager's University Email: *

lrmiller@illinois.edu

40. Has your project and/or project team applied for SSC funding previously? *

- Yes
- No