

University of Illinois at Urbana-Champaign
Student Engagement | Student Affairs
Student Sustainability Committee



Student Sustainability Committee
Spring Voting Board Meeting 1
04/02/2023

The Student Sustainability Committee is a group of undergraduate and graduate students dedicated to building a more sustainable Illinois campus, with the partnership of a team of staff and faculty members. SSC allocates funds annually toward the development and seed-funding of projects that have an environmental impact on the university community.

- I. Meeting Called to Order on: 12:12pm
- II. Meeting Called to Order at:
- III. Purpose of Meeting Board Meeting
- IV. Attendance
 - a. Present: Jack, Lucy, Scotlyn, Tori, Natalie, Holly, Tessa, Tymon, Whitney, Maddie, Claire, Lily, Johanna, Charleston, Milan, Liz Staff, CSSC Codie Sterner
 - b. Absent: Jason, Hongxu (proxy)
- V. Agenda Items
 - a. Scope Change: Restoration of the Low Mow Area at Orchard Downs Housing Facility [Approved]
 - i. Timeline Extension
 - ii. <https://uofi.box.com/s/t9vw1q0goldvv5vfx7faatw8hvp9lk56>
 - b. Student Led, under \$10k - Seed Bomb Bash [Approved]
 - i. Education and Justice,
 - ii. \$435
 - iii. Food Justice Alliance (formerly Metropolitan Food and Environmental Systems Student Association (MFSTSA)).
 - iv. Seed bomb making on April 20, 2023
 - v. 16 ye, 0 no, 0 abstain
 - c. Student-led, under 10k - Revert to Earth; Student Recycling Behavior Research

- i. Food & waste
- ii. \$2295
 - 1. \$850 for 15 waste bins
 - 2. \$500 is for participant compensation
 - 3. More details in budget
- iii. Tabled for next meeting
- iv. <https://uofi.box.com/s/jdu5hadabtc8jaafviwbb2grr8ajad7v>
- d. Step 1 Application - Ecofeminism Summit 2023
 - i. Education and Justice
 - ii. \$20,000
 - iii. Women's Resources Center
 - iv. "Offers a series of programs designed to connect social justice, environmental justice, and feminist theory. Keynote lectures, workshops, film screening, and lectures will provide students with unique opportunities to further explore ecofeminist theory and praxis"
 - v. Eriel Deranger
 - vi. <https://uofi.box.com/s/jdu5hadabtc8jaafviwbb2grr8ajad7v>
 - vii. Moved to Step 2- 16 ye, 0 no, 0 abstain
- e. College of Education - South Atrium Green Wall
 - i. Education and Justice
 - ii. \$50,000
 - iii. The project involves designing and installing a green wall in the College of Education's south atrium to improve indoor environmental quality, and serve as an innovative teaching and learning space for COE courses, including those for teachers, to increase sustainability education on campus
 - iv. Accomplishes two objectives for iCAP 2020:
 - 1. Doubling Green Infrastructure Installations (4.2.3)
 - 2. Broadens Sustainability Education (6.1)
 - v. 16 ye, 0 no, 0 abstain
 - vi. <https://uofi.box.com/s/m0yz9c7o5zqr4kqrrwb5jh0na84teau>
 - vii. Moved to Step 2
- f. Establishing High-efficiency cold storage capacities
 - i. Energy
 - ii. \$30,691.36
 - iii. The Miller Lab in the Department of Evolution, Ecology, and Behavior is seeking to purchase energy-efficient fridge and freezer space, including 4C refrigeration and -20C freezers for conventional histology and wet lab, and -80C freezer space for molecular work, to minimize their energy consumption needs and meet the sustainability goals of their unit and the university
 - iv. 14 ye, 1 no, 1 abstain - Moved to Step 2

- g. South Campus Center for Interdisciplinary Learning (SCCIL)
 - i. Energy
 - ii. \$500,000 (can fund partially)
 - iii. <https://uofi.box.com/s/39mb9ob0qz45j9ie8j2xae0ehskikdpp>
 - iv. This project involves building a hybrid educational facility in partnership between Gies Business and campus, with collaboration spaces, and classrooms, learning environments, seeking grant funding for a \$7.1 million geothermal field to provide heating and cooling for the building, targeting LEED platinum certification, and aiming to achieve net-zero energy and carbon
 - v. 14 ye, 2 no, 0 abstain - Moved to Step 2
- h. Demonstration of Enerdrape Thermal Energy Exchange System in Steam Tunnel - Student-led
 - i. Energy
 - ii. \$50,000
 - iii. The project aims to evaluate a new geothermal energy technology developed by Enerdrape that taps waste heat from underground infrastructure to heat adjacent buildings, by installing modular and scalable geothermal heat exchange panels on the UIUC campus, capturing and reusing waste heat from a steam tunnel as an additional source of thermal energy
 - iv. <https://uofi.box.com/s/ng1dub3bm5filis6mu3eohw55bot83bb>
 - v. 14 ye, 1 no, 1 abstain – Moved to Step 2
- i. Wohler's Hall Building HVAC Controls Upgrade
 - i. Energy
 - ii. \$150,000
 - iii. <https://uofi.box.com/s/k69a8chhfkil1s4g3uhlmiam9d87tsaaq>
 - iv. The project involves upgrading HVAC controls at Wohler's Hall to reduce the building energy footprint, increase indoor air quality, and allow better control of the air supply units, by installing new controls, dampers, and actuators, etc.
 - v. 7 ye, 3 no, 5 abstain - Moved to Step 2
- j. Temple Hoyne Buell Hall DDC Upgrade of Room Equipment
 - i. Energy
 - ii. <https://uofi.box.com/s/c36qjeuqulupzg0ppd8dkth7ycoxbi85>
 - iii. \$150,000
 - iv. Involves upgrading HVAC controls at Temple Hoyne Buell Hall to reduce the building energy footprint, increase indoor air quality, and improve comfort level for students and staff
 - v. 6 yes, 6 no, 3 abstain - JACK TIE BREAKER!!!
 - vi. Move to Step 2

- k. An Energy Saving Demonstration for Remodeling Old Structures at AESB
 - i. Energy
 - ii. \$44,608.00
 - iii. <https://uofi.box.com/s/xxvmnsjs8u1trxxocpuilhed9ma0o2e5>
 - iv. The project aims to replace an inefficient, non-sealing, and rusted-out overhead door in the AESB room 137, to help meet the University's iCAP goal of energy conservation in buildings, provide a sustainable environment for student learning, research, and collaboration, and demonstrate to students how remodeling and old structure can provide significant cost savings and contribute to environmental sustainability.
 - v. 13 ye, 3 no, 0 abstain - Moved to Step 2
- l. Improving the Sustainability of the Freezer Room at the Wildlife Veterinary Epidemiology Laboratory
 - i. Energy
 - ii. \$50,000
 - iii. The project involves improving the lab of the Wildlife Veterinary Epidemiology Laboratory to reduce energy consumption, enhance the lab's sustainability performance, and provide sustainable and efficient storage of samples, by upgrading the ULT freezers, -20C freezers, and refrigerators that are stored in the as part of the lab's efforts towards building a culture of sustainability
 - iv. 3 way cost split?
 - v. 15 ye, 1 0, 0 abstain - Moved to Step 2
- m. ISTC-UIUC Waste Characterization Study and Opportunity Assessment
 - i. Food and Waste
 - ii. \$18,979
 - iii. The Illinois Sustainable Technology Center and Facilities and Services aim to conduct a waste audit in eight campus buildings during Fall 2023, with three deliverables: waste stream characterization, stakeholder focus groups to gather feedback for waste reduction initiatives, and a report summarizing current and planned waste initiatives as a resource for the campus
 - iv. 16 ye, 0 no, 0 abstain - Moved to Step 2
- n. Feasibility Research on Food Waste Biodigesters using Extremophile Archaea for OrtGenerated On-Campus [Student-Led]
 - i. Food & Waste
 - ii. \$44,566.98
 - iii. The project aims to circularize the UIUC's economy by investigating the feasibility of converting UIUC's organic

waste to green hydrogen or natural gas, by profiling the waste footprints of dining halls and student housing, and utilizing independently-developed waste processing techniques to determine how much hydrogen can be produced from the process, as well as from other common processes

- iv. 15 ye, 1 no, 0 abstain 0 - Moved to Step 2
- o. Purchase of Bike Shelter for E-15 Parking Garage and Hiring a Student Intern for Sustainable Transportation
 - i. Student Led
 - ii. Transportation and Infrastructure
 - iii. \$180,000
 - iv. Project aims to purchase an enclosed bike shelter at the parking garage in lot E-15 to encourage sustainable transportation on-campus by providing a shelter parking location for bikes, w/ a requested funding of \$180,000. Including \$160,000 for the bike shelter and \$20,000 to hire an undergraduate student intern for one year
 - v. 16 ye, 0 no, 0 abstain - Moved to Step 2
- p. Illini Motorsports Electric Powertrain Initiative
 - i. Transportation and Infrastructure
 - ii. \$22,000
 - iii. Student-Led
 - iv. The project involves developing a fully electric powertrain for a 2024 vehicle to replace the current Yamaha R6 combustion engine
 - v. 15 ye, 1 no, 0 abstain - Moved to Step 2
- q. Restoration of Lincoln Avenue Residence Halls Native Plant Gardens
 - i. Land, water, and air
 - ii. \$9,912.39
 - iii. The project aims to restore the native gardens around the Lincoln Avenue Residence Halls by purchasing and planting native vegetation, w/ the goal of contributing to the 2020 iCAP and the 2019 Campus Resilient Landscape Strategy and providing multi-functional spaces for campus well-being and plant biodiversity
 - iv. Developed by NRES 285 - Sustainability Grant Writing Class
 - v. 16 ye, 0 no, 0 abstain - Moved to Step 2
- r. Rainwater Management Plan
 - i. Land, water & Air
 - ii. \$200,000
 - iii. The project involves developing a comprehensive Rainwater Management Plan for UIUC, which will include recommendations to protect the existing stormwater system,

mitigate flooding issues, and create new rainwater management system improvements, such as rainwater reuse and green infrastructure technologies, to enhance the ecology and aesthetics of campus while transitioning to the emerging paradigm that treats rainwater as an asset rather than a nuisance

iv. 16 ye, 0 no, 0 abstain - Moved to Step 2

- s. Foundations for Cultivating Indigenous Gardens with the Southern Arboretum woodlands [SAW]
 - i. Land, water, and air
 - ii. \$149,320.00
 - iii. The project involves a collaboration among Tribal and UIUC collaborators to establish forest gardens within the Southern Arboretum Woodlands by planting native plants traditionally used by indigenous people for various purposes, and to provide a service to tribal partners in the recovery, preservation, and production of Native Knowledges related to plants, language, and cultural practices, through outreach, instructional, and research activities.
 - iv. Need to ask about compensation for indigenous knowledge
 - v. 16 ye, 0 no, 0 abstain- Moved to Step 2

VI. Action Items

- a. Team Member's Scheduled Responsibilities (Need to be met before the next meeting.)
- b. Boneyard Cleanup Community Day
 - i. Boneyard Cleanup Community Day event in April
 - ii. April 22nd
 - iii. <http://www.boneyardcreek.org/>
- c. Election Timeline - Thoughts?
 - i. April 7: Committee Decisions
 - ii. April 10: Decisions released
 - iii. April 11-21: Exec board elections run online, w/ returning member positions chosen at April 21 at meeting
 - iv. April 29: Retreat from 12-2pm, semi-option for returning members
- d. Jack coffee count: 7!!!

VII. Items to be Discussed at Forthcoming Meeting

VIII. Date of Forthcoming Board Meeting: 4/7/23 Board Meeting
Good of the Order

IX. Meeting Adjourned at: 2:58pm