STUDENT SUSTAINABILITY COMMITTEE

Funding Application – Step I

Funding Criteria

A. General Rules

1. Students, faculty, and staff are encouraged to submit requests for funding. Student-led projects require a faculty or staff sponsor in order to have funds awarded.
2. Funding can only go to university-affiliated projects from students, faculty, staff, and departments.
3. All SSC projects must make a substantial impact on students. All SSC funding is 100% from student green fees, so the projects funded by the students must benefit them.

B. Things SSC Can Fund, On A Case-By-Case Basis

1. SSC can fund feasibility studies and design work; however, it must work toward ultimately addressing a sustainability need on campus.
2. SSC can fund staff positions that are related to improving campus sustainability. Strong preference will be given to proposals receiving matching funding from departments and/or plans for maintaining continuity of the position after the end of the initial grant.
3. SSC can fund outreach events with a central theme of sustainability, provided their primary audience is the general campus community.
4. SSC discourages requests for food and prizes but will consider proposals on a case by case basis.
5. SSC can fund repairs and improvements to existing building systems as long as it works toward the goal of improving campus sustainability.
6. SSC can provide departments with loans for projects with a distinct payback. Loans will require a separate memorandum of understanding between SSC and departmental leadership pledging to repay the award in full and detailing the payback plan.

C. Things SSC Will Not Fund:

1. SSC will not fund projects with a primary end goal of generating revenue for non-University entities.
2. SSC will not fund personal lodging, food, beverage, and other travel expenses.
3. SSC will not fund any travel expenses.
4. SSC will not fund tuition or other forms of personal financial assistance.

Instructions

Submit this completed application and one map, graphic, or picture to Sustainability-Committee@Illinois.edu. Please adhere to the session word counts. The committee holds the right to decline applications over the designated word counts. If you have any questions about the application process, please contact the Student Sustainability Committee Coordinator at sustainability-committee@illinois.edu.

Project Name: South Campus Center for Interdisciplinary Learning (SCCIL)
Total Amount Requested from SSC: $500,000 (Gies and the project team recommends dividing into two or three tranches, approximately, i.e., $166,000, $167,000 and $167,000)
Primary Project Leader Name & Email: Arlene Vespa vespa2@illinois.edu

Project Abstract: In less than 100 words, briefly describe your project.

A state-of-the-art building to prepare Illinois students for futures of purpose and impact and a partnership between Gies Business and campus, this hybrid educational facility will house collaboration spaces, traditional and flexible classrooms, informal learning environments, content creation studios, academic offices and support spaces. This project has deep green aspirations, seeking grant funding for a **$7.1 million district-scale geothermal field** *providing heating and cooling for the building,* **a campus first**, with expansion potential to surrounding facilities. The project is targeting *LEED platinum* certification with aspirations to achieve *net zero energy* and *net zero carbon within its first year of operation*.

	Education	Energy	Food & Waste	Land & Water	Transportation
Project Category	■	■	☐	■	☐

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

Name	RSO/Department	Email Address
Dean Jeffrey Brown	Gies College of Business	brownjr@illinois.edu
Shelley Campbell	Gies College of Business	scampbe2@illinois.edu
Kari Cooperider	Gies College of Business	kacoop@illinois.edu
Arlene Vespa	Gies College of Business	vespa2@illinois.edu
Paul Redman	Office of the Provost	predman@illinois.edu

Questions	Yes	No
Is this a student-led project?	☐	■[1]
If applicable, have you received approval from Facilities & Services and/or site manager?	■	☐
Do you have a plan for ongoing funding beyond SSC? (SSC cannot guarantee ongoing financial support)	■	☐
Beyond SSC, do you have sources contributing funding or support (ex. staff time, external grants, etc.) to this project?	■	☐
Have you applied for SSC funding previously?	☐	■[2]

[1] Faculty and student research, as well as prior SSC initiatives, have contributed to this project.
[2] The SCCIL project has not previously applied for funding. However, Gies has applied and received funding in the past for BIF projects:

- $81,863 original photovoltaic system above BIF Deloitte Auditorium. Construction completed fall 2008.
- $10,000 prairie garden - replacement of original plantings. Awarded May 2010.
- $60,000 photovoltaic system above new offices as a part of BIF 4th floor expansion. Awarded April 2017. Construction completed summer 2019.

Project Timeline

SSC funding agreements remain active for two years. Please list your project's timeline and/or milestones.

**Future dates are approximate*

Please note, the project team is receptive to distributing the amount requested from the Student Sustainability Committee across more than one funding cycle (e.g., 2-3 funding cycles).

Project Description

In 250 words or less, describe your project. What does your project hope to accomplish? What are your project's deliverables? Bullet points welcome.

The new South Campus Center for Interdisciplinary Learning (SCCIL; pronounced "skill") will provide an advanced, high-tech facility with programming space for learners on campus as well as advanced studio space for serving online students and courses. **SCCIL will:**

- Provide expanded studio space and recording capabilities to serve online courses and programs throughout campus.
- Facilitate experiential learning and group work, as well as offer collaborative spaces for campus students.
- Support enrollment growth with additional and much-needed larger classroom spaces for the south campus.
- Provide needed office space for faculty and support staff in Gies College of Business that have increased to serve growing online programs.

Building space for achievement and growth
Located in the heart of south campus, SCCIL will be home to spaces that will enable learners – both on campus and online – to achieve their potential. At just under 100,000 square feet, it will include:

Classrooms

- 1 200-seat auditorium
- 2 80-seat classrooms
- 4 60-seat classrooms

Studios

- 2 sound stages
- 5 blackbox studios
- 6 control booths

Offices and meeting rooms

- 18 meeting and collaborative rooms of varying sizes
- 84 offices

The leading-edge online teaching studios will bring the educational power of the University of Illinois to the world. Classrooms and gathering spaces will provide the tools and technology learners need to discover ways to make a positive impact on the world. Flexible classrooms will allow quick transition from a lecture format to collaborative group interaction.

Located at 503 East Gregory in Champaign, SCCIL will be constructed between BIF and Huff Hall.

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? Does your project relate to the iCAP? Bullet points welcome.

The project achieves a low energy use intensity (EUI) with a suite of measures including a chilled beam heating and cooling system, high efficiency lighting and equipment, and passive desiccant humidity control. The project showcases how new construction projects can exceed iCAP goals and emissions reductions by reducing dependance on the Abbott Power Plant via a **$7.1 million district-scale geothermal field** *providing heating and cooling for the building,* **a campus first**, with expansion potential to surrounding facilities. The load of the chilled beam system for heating and cooling requires 273 tons (2,520,000 Btu/hour) of heating and cooling capacity. With the $500,000 requested, the project can take 100% of that load and utilize the ground-source system to provide the heating and cooling needed through a combination of the stored thermal energy and electrical energy. The implementation of efficient building systems and the ground-source system will reduce source energy and carbon emissions by 58%.

The project builds on a new paradigm established with the Campus Instructional Facility, expanding the network of deep green infrastructure and drastically reducing energy reliance on the Abbott Power Plant. In this case, the system goes one step further delivering 100% of the building's heating and cooling load.

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? Bullet points welcome.

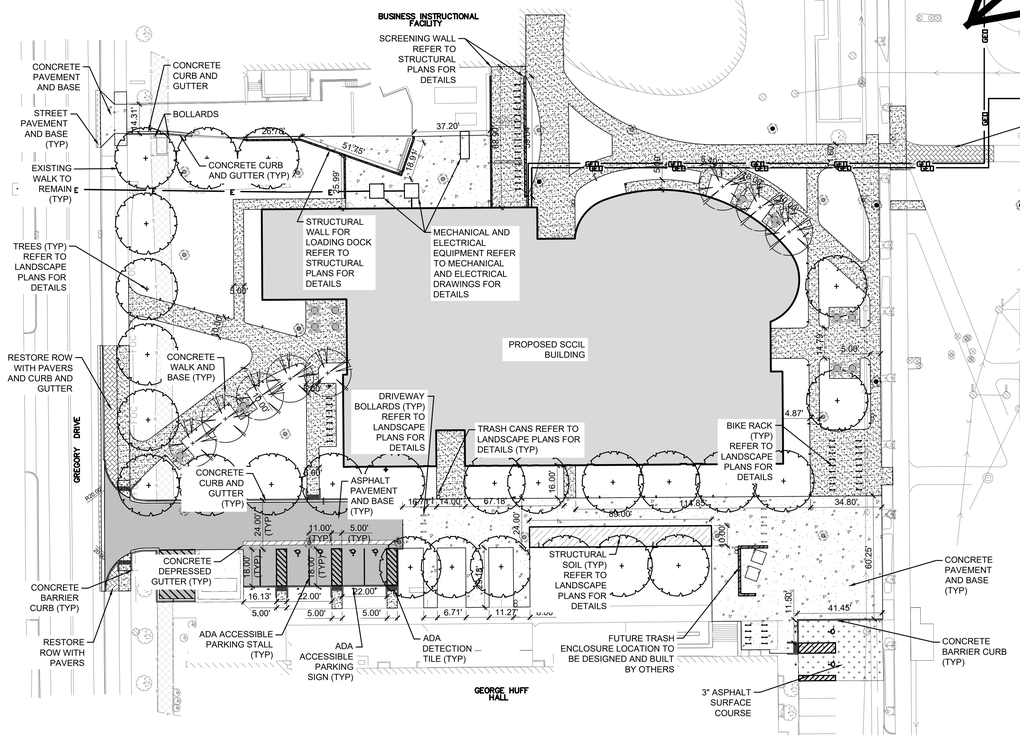
Student leadership has inspired the deep green aspirations of SCCIL and its ambitious goals. This project builds on a concept originally conceived and developed by University students and faculty and the first large scale geothermal installation on the Bardeen Quad.

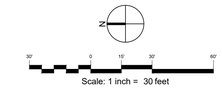
The project team envisions a partnership with the Student Sustainability Committee, as well as expanded teaching and research opportunities during the design, construction, and operation of SCCIL:

- The project's design and engineering will be available to students and faculty for research.
- During construction, the project team welcomes faculty and student engagement for safe site visits, project team engagement and analysis of the building construction and geothermal installation.
- Post-occupancy, the interface between the geothermal exchange system and distribution of the heating and cooling will allow for digital monitoring and controls, putting real time energy and emissions savings on display.
- The project itself, as well as the members of the project team, will be available for student engagement, showcasing the University's dedication to its climate commitments.

Ultimately, this project uniquely touches all students at the University – those attending in-person, as well as those participating in the innovative programs developed in the project's studios, generating content broadcast throughout the world.

South view looking north





LEGEND:

- BUILDING
- WALL REFER TO LANDSCAPE AND STRUCTURAL PLANS
- CONCRETE PAVEMENT AND BASE
- CONCRETE WALK AND BASE
- ASPHALT PAVEMENT AND BASE
- STREET PAVEMENT AND BASE
- 3" ASPHALT SURFACE COURSE
- PAVERS
- STRUCTURAL SOIL
- CONCRETE CURB AND GUTTER
- CONCRETE BARRIER CURB
- DEPRESSED CURB
- BIKE RACKS
- BOLLARD
- ADA TILE
- SIGN
- ADA MARKING

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Submittal

Revisions

No.	Date	Description

Drawn
Checked
LMN Proj No 21044-01

Date

Sheet Title

SITE UTILITY PLAN EXHIBIT

Sheet Number

NOT FOR CONSTRUCTION

Printed: