

Campus Sustainability Fund Spring 2022 Annual Grant Proposal Application

Thank you for your interest in the new Campus Sustainability Fund! This application form may be used to apply for Spring 2022 Annual Grant funding in amounts from \$5,001 - \$100,000 through 5 PM on March 31st, 2022. Only applications that include thorough and thoughtful responses will be considered. Incomplete proposals will not be reviewed.

Please review our Spring 2022 grant information, including our eligibility and evaluation criteria here: sustainability.arizona.edu/csf

Please have a completed budget sheet ready to submit before starting this application. The template can be found here: <https://arizona.box.com/s/23d2mtihkkrx95c42luhk4k5omtqrwt>. After opening the link, click "Download" at the top right corner and it will download as an Excel Sheet.

All character limitations within this proposal include spaces.

For approved projects to receive funding, the project's department must have a STDFEE account as CSF funding can only be transferred to another STDFEE account. If your project's department does not have a STDFEE account set up, we recommend that it be a 265XXXX account. Although not required, we encourage you to use the same range to match the Sustainability Fee account: 2657605. Approved proposals will also be required to complete the Campus Sustainability Fund's Letter of Agreement before funding is dispersed where more details on this will be provided to the Fiscal Officer.

All funding must be used by the end of fiscal year 2023 (June 30, 2023). Unused funding as of this date will be returned to the Fund for reallocation for future funding opportunities.

** Please contact emilyhaworth@arizona.edu for questions, help in completing the budget template, or any other issues. **

Email *

chlopen@email.arizona.edu

Contact Information

Each project proposal requires a primary and secondary project manager as well as a fiscal officer. If the primary project manager is a student who graduates in May 2023, the secondary project manager must be a staff or faculty member OR a student who graduates AFTER May 2023.

Projects where the primary and secondary project manager are both students require the involvement of a staff or faculty member within the applicable department.

Primary Project Manager Name *

The primary project manager is responsible for completing this application, answering questions posed by the Campus Sustainability Fund's Committee, and completing all required reporting on project progress and outcomes.

Chloe Penna

Primary Project Manager Status *

Student

Staff

Faculty

Other:

Primary Project Manager Email *

chlopen@email.arizona.edu

Primary Project Manager Department Name *

Associated Students of the University of Arizona

Secondary Project Manager Name *

The secondary project manager is responsible the back-up for the primary project manager if they are unable to complete any of the requirements of the Campus Sustainability Fund, particularly completing required reporting on project outcomes.

Sadie Parent

Secondary Project Manager Status *

Student

Staff

Faculty

Other:

Secondary Project Manager Email *

sparen@email.arizona.edu

Secondary Project Manager Department Name *

Associated Students of the University of Arizona

Departmental Employee Contact Name *

Projects where the primary and secondary project manager are both students require the involvement of a staff or faculty member within the applicable department. The departmental employee contact must be a staff or faculty member within your department who is responsible for monitoring the project's budget and reporting if both project managers are unavailable. If this does not apply to you, type N/A for these responses.

Carol Barnette

Departmental Employee Contact Email *

carolb5@arizona.edu

Departmental Employee Contact Department Name *

Associated Students of the University of Arizona

Fiscal Officer *

The fiscal officer is a staff member within your department who is responsible for financial transactions and who will support reporting by pulling requested expenses against awarded funding and ensuring that funding is spent within awarded categories.

Estella Trevers

Fiscal Officer Email *

etrevers@arizona.edu

Fiscal Officer Department Name *

Fiscal Officer Department Name: Associated Students of the University of Arizona

Tell Us About Your Project

Official Project Name *

Please be specific but concise as this name will appear on reports and our website. Creativity is encouraged!

Water Access Amenities at the University of Arizona Community Garden

Requested Funding Amount *

Please enter this amount after completing the budget sheet and populate the total amount here. If you are requesting multi-year funding, please format it as the following: \$67,800 (FY23), \$60,200 (FY24), \$50,400 (FY25)

\$23,906

Primary Project Category *

Please select one category that best encompasses the nature of your project.

- Water
- Energy
- Waste
- Transportation
- Food
- Social Sustainability (including Social/ Environmental Justice)
- Natural Environment
- Campus Life (Health & Wellbeing, Behavior Change)
- Research and Academics
- Carbon Reduction
- Art
- Built Environment
- Policy

Secondary Project Category *

Please select a secondary project category. If not applicable, select the same category again.

- Water
- Energy
- Waste
- Transportation
- Food
- Social Sustainability (including Social/ Environmental Justice)
- Natural Environment
- Campus Life (Health & Wellbeing, Behavior Change)
- Research and Academics
- Carbon Reduction
- Art
- Built Environment
- Policy

Background and Context *

Please provide any relevant background about your organization/team including your mission and/or expertise. Please also lay out the rationale for the proposed project such as context on the issue that your project would address. This section is meant to give us more information about you, while also giving you more space below to talk toward your proposed project. Responses are limited to 3,000 characters including spaces.

The University of Arizona Community Garden (UACG) is a student-run organization founded by ASUA's Students for Sustainability (SFS), now run in collaboration with the University of Arizona Office of Sustainability. Since its inception in 2012, the UACG has served as a collaborative space for intersectional green learning, hands-on experience in sustainable practices, and community engagement building between the University of Arizona and the Greater Tucson area. The UACG is primarily run by students, being helmed by two student managers and a team of student committee members. These positions provide real-life experience in sustainable agricultural practices, program management, and community collaboration. The UACG provides affordable plots for rent to all levels of gardeners. Individuals benefit from the experience by learning about urban food production in a safe and accepting environment. The Garden's tenants are composed of students, faculty members, and greater Tucson community members. The UACG also offers educational workshops on topics ranging from worm composting to permaculture to all tenants and community members. The Garden committee maintains numerous active collaborations with other campus-based sustainability organizations, including the University of Arizona Libraries, Campus Pantry, Compost Cats, the Community School and Garden Workshop, the Iskashitaa Refugee Network, the Disability Resource Center, and various local grade schools.

Currently the UACG has no source of potable water, with its water being sourced from the City of Tucson public utility and the rainwater harvesting cistern, which collects water from the roof of Highland Parking Garage, located at the Garden. This lack of potable water presents numerous challenges for the UACG. First, a lack of drinkable water presents a significant hazard to gardeners in the UACG, who perform arduous labor outside in hot and dry conditions year-round. Second, a lack of potable water for washing vegetables presents a barrier to the Garden's ongoing food security and environmental education efforts. Currently, produce grown at the UACG cannot be safely washed at the Garden. This negatively affects the Garden's ongoing produce-donation program in conjunction with Campus Pantry as well as the experiential learning opportunities at the UACG. The addition of the drinking fountain and water bottle refill station will resolve these issues.

Project Description *

Please provide a description of your project. Please include information on the need your project fills and how it does so. Include objectives, an anticipated timeline, and expected impact(s). Responses are limited to 3,000 characters including spaces.

The Students for Sustainability Garden Committee, in cooperation with the Office of Sustainability and University of Arizona Facilities Management (FM), will install a water bottle refill station and an outdoor utility sink at the University of Arizona Community Garden, located at 1400 E. Mabel St.

The water bottle refill station will provide a source of clean drinking water at the UACG, where no potable water sources are currently available. The work done by garden volunteers and renters is often labor intensive and occurs in the hot and arid conditions of the Sonoran Desert. Having a source of drinking water under such conditions is a practical necessity, yet none exist at the Garden. This situation is at best a source of constant frustration and at worst a legitimate and considerable health hazard. The water bottle refill station will therefore serve a need of much importance at the UACG.

The purpose of this utility sink is twofold:

First, the sink will serve as a vegetable wash station for produce grown at the UACG. This would assist in the Garden's ongoing produce donation efforts to the University of Arizona Campus Pantry by allowing committee members to wash produce at the Garden instead of necessitating a trip to an intermediate location prior to drop-off. Additionally, a vegetable wash station would be convenient to Garden members, including many students, who could now wash produce at the Garden immediately after harvesting, instead of at home.

Second, the sink will provide a source of potable water for gardeners to wash their hands at the UACG. Currently, no source of potable water exists in the garden, leaving gardeners with dirty hands no way to effectively sanitize them. Installing a sink would not only be convenient to gardeners wanting to clean their hands before going home, but also allows for experiences such as safely eating freshly picked produce directly at the UACG. Thorough hand sanitation effectively mitigates the threat of various disease-causing viruses, parasites, and fungi which may live in garden soil or dirt.

University of Arizona Facilities Management has provided us with a quote for procuring and installing both the sink and the refill station in the northwest corner of the UACG. FM will install the appliances and build a short, brick privacy wall between the installation site and Mabel St. to the north. The quote includes the material cost of the sink, refill station, masonry, and plumbing necessary for installation, as well as the labor cost of building the wall and installing both appliances.

Project Summary Snapshot *

Please provide a short summary of your project. This summary will be used on our new website and other Office of Sustainability materials, if approved. Think of this as a hyper-concentrated summary limited to just a few sentences. Responses are limited to 800 characters (~60-100 words).

This project entails the installation of an outdoor utility sink and a water bottle refill station at the University of Arizona Community Garden. The water bottle refill station will provide a source of clean drinking water at the UACG, where no potable water sources are currently available. The utility sink will be used for washing produce grown and harvested at the UACG as well as for hand sanitation. The installation of these amenities will improve the ability of the UACG to extend sustainability-focused programming to community members and students alike.

Project Feasibility & Logistics *

Please provide a description of the work that has been completed so far to make this project feasible. Have all relevant partners been contacted/coordinated with? Please identify them in your response. Have you received reasonable quotes for supplies? What research has been completed to lay the foundation for this project? Proposals that have not thoroughly pre-planned may be rejected outright. Responses are limited to 3,000 characters including spaces.

The Garden Committee has interfaced with the Office of Sustainability and University of Arizona Facilities Management in determining the feasibility and implementation details of the project. FM, in coordination with Planning, Design, and Construction (PDC), has provided the committee with a quote for the necessary supplies and labor to fully implement the project. FM will be conducting this project once it is approved and discussions with the Project Managers are finalized. Prior to conversations with FM, ASUA's Students for Sustainability Garden Committee members engaged in extensive research about the types of water fixtures that would be feasible to install in the Garden, and the products that would make the most economic and practical sense for the space. Committee members also took into account the types of water bottle refill stations that already exist throughout the University of Arizona campus to find the fixture that would best fit with the university's image and function. The Garden Managers conducted several in-person inspections and meetings with FM to discuss the options for equipment and location of the project, and numerous emails were exchanged to arrive at a conclusion for the best course of action to fulfill our needs. FM teams will be installing these fixtures along the northern fence of the Garden (seen in the project plans that are attached), as it is the closest area with access to the freshwater lines and is also accessible by the Garden's ADA sidewalks. The quote that FM has provided (attached as a supporting document) included three options for different price points, but we would like to use the \$22,906 quote (Option 1) that includes both the utility sink and the water bottle refill station. Including both a water bottle refill station and a sink provides a broad range of benefits for the health, safety, and convenience of Garden users. The quote that FM provided to the Garden includes all of the costs necessary for the purchasing of materials for the new plumbing fixture, the concrete and black material for the surrounding wall, the concrete for the pad that the fixtures will sit on, and for the purchase of the sink and fountain. The quote also includes labor estimates by the appropriate FM shops (plumbing, masonry, etc) to conduct the work. FM will complete all of the work to prepare the site, install the necessary infrastructure, and finally the installation of the sink and fountain. The Garden Committee will stay in contact with FM through the process to make sure that goals are being met by the project. Additionally, to ensure that there are adequate funds for the project, an additional \$1,000 is budgeted for in our funding request. This is due to the fact that the FM estimate may shift slightly and to ensure that no funding issues come up; any excess funds will be returned to the CSF.

Environmental Sustainability Outcomes *

Please provide a brief description of how you expect your project to advance environmental sustainability on campus. Responses are limited to 3,000 characters including spaces. A definition of environmental sustainability is provided in our Spring 2022 Information.

The UACG facilitates the advancement of student and community learning regarding environmentally sustainable, small-scale agricultural practices that can be used on campus and more broadly within the community.

The addition of a water bottle refill station will increase volunteer participation and engagement at the UACG by ensuring students and community members can safely stay and work in the Garden with minimized worry of dehydration or heat stroke. This promotes greater opportunity for experiential learning with various agricultural practices, such as organic farming or native species cultivation. Such agricultural practices are of commanding importance in the mitigation of many green issues, including the climate crisis, soil erosion, and deforestation. During the summer months, the UACG experiences extreme heat, much like the rest of Arizona. Access to fresh, potable water will extend the season in which environmental sustainability focused programming can be conducted in the space.

The addition of a utility sink in the Garden will help support the UACG's mission by streamlining the fresh produce cleaning process, both for produce being donated to the Campus Pantry and produce being shared within the larger Tucson community—including among students, renters, and local non-profit organizations. This would enable student workers and volunteers, as well as community members and gardeners, to more meaningfully engage with the process of farm-to-table sustainability and subsistence gardening. Local, organic, farm-to-table food production, like that which occurs at the UACG, is vital to ongoing sustainability efforts in agriculture and its promotion and adoption projects a positive effect on a myriad of green issues including soil resilience as well as carbon storage and footprint mitigation.

Taking into account the urban desert environment in which the UACG is situated, water conservation has always been a central concern of the Garden, leading to the creation of the water harvesting cistern. While this cistern repurposes storm water for the benefit of the plants grown within the Garden, it also intermingles with the Garden's current city water sources, leading to the lack of reliably potable water within the Garden. Thus, the necessity of a separate source of drinking water is an outcome of one of the Garden's other sustainability efforts. The Garden will continue to use repurposed water for gardening uses, and will reserve the new water structures for situations that necessitate potable water.

Social Sustainability Outcomes *

Please provide a brief description of how you expect your project to advance social sustainability on campus. Responses are limited to 3,000 characters including spaces. A definition of social sustainability is provided in our Spring 2022 Information.

The UACG grows produce that is donated to the Campus Pantry, which assists in fulfilling the basic needs of all students and faculty on campus by providing equitable access to nutritious food; campus community members that utilize this resource are often members of marginalized or underserved groups who are frequently unable to access quality food otherwise. The addition of a utility sink will allow the UACG to wash produce on-site rather than at off campus locations, thereby simplifying the process of supporting the campus community and reducing the myriad of responsibilities that the Campus Pantry already balances.

Installing a water bottle refill station at the UACG will ensure more equitable access to the Garden by increasing the proportion of the campus community who can use the UACG. Working in the Arizona heat without a source of water can be unsafe, especially to gardeners with certain pre-existing health conditions. The addition of a source of clean drinking water will mitigate this problem and increase the number and variety of community members and volunteers who can work in and enjoy the UACG. The addition of a potable water source will also boost the productivity of the UACG, thereby enhancing its various food donation efforts such as the ongoing Campus Pantry donation program or the annual Cranksgiving food drive. Such food donation efforts serve those suffering from food insecurity in the campus community, who disproportionately are members of underrepresented or marginalized groups.

Many of the individuals who enjoy the Garden space do not come from a background of sustainability, and thus the Garden often serves as an introductory space for sustainability education and green learning. It is important that the Garden be an inviting space for all, and that its designation as an educational and recreational outdoor space be accompanied by the proper outdoor safety equipment, such as a drinking fountain with water bottle fill station.

Student Leadership & Involvement *

Please provide a brief description of how you expect your project to benefit students on campus regarding the creation of leadership opportunities or student engagement. What leadership opportunities exist within your proposal? If you plan to hire/ or involve students, please describe in what capacity. For example, if you plan to hire students, create an internship, or seek student involvement, please describe relevant details thoroughly (wages, responsibilities, duration of job, extent of involvement, how you will solicit/ market these opportunities etc.). Responses are limited to 3,000 characters including spaces.

The proposal itself has been conceived, researched, written, and helmed exclusively by students within the Students for Sustainability Garden Committee. In the course of this project, students have had the opportunity to develop and research solutions to problems faced by the Garden, interface with campus stakeholders such as Facilities Management, and ultimately have written and submitted this grant proposal to the Campus Sustainability Fund to implement the devised solution. From the beginning, this project has been, and will continue to be, a student-led initiative to meet the needs of students in our campus community as well as off campus beneficiaries of the UArizona Community Garden.

The UACG itself is managed and operated primarily by University of Arizona students, with most logistics, programming, maintenance, and upkeep being handled by students. Student members of Students for Sustainability, which is a program of the Associated Students of the University of Arizona, attend twice weekly workdays in the UACG and complete various tasks to maintain and further the space. Additionally, students outside of SFS, community members, and school groups attend workdays and gain skills and knowledge from their involvement in the UACG. Some of the tasks conducted by students include plant cultivation, irrigation maintenance, invasive plant removal, and general Garden beautification projects. The addition of the utility sink and water bottle refill station would help to further the goal of the UACG's student empowerment through green-learning.

The project managers for this proposal are both University of Arizona students with a dedication to seeing the process through in its entirety. This will be achieved through continued interfacing with FM as the process moves forward, ensuring that the project timeline stays on track, and maintaining the student vision for the space as work is conducted.

Education, Outreach, & Behavior Change *

Please provide a brief description of how you expect your project will communicate its impacts to the campus community. How will your project educate the campus community and/or incorporate outreach and behavior change? How are you reaching beyond the "sustainability choir?". Responses are limited to 3,000 characters including spaces.

The appreciation of green spaces and agriculture that the UACG provides projects an impact not just on those within sustainability spaces, but also on the broader campus community. Many UACG patrons are students outside of sustainability-minded spaces or are not students at all, who simply enjoy the Garden as a place of natural beauty. Improving this space with conveniences like a utility sink enhances this existing appreciation and broadens the increasingly large cross-section of the community who may utilize and enjoy the UACG. Development of natural spaces, such as the UACG, is an oft-underrated aspect of sustainability outreach, which has the potential to garner appreciation of green initiatives from community members outside of those already interested in sustainability within academic spheres.

The furthering of spaces like the UACG allows for more people to access hands-on experiences that allow them to interface with sustainability in tangible and relevant ways. Updating and improving the equipment available to those who utilize the Garden on a daily basis means that the quality of education in the space and possibilities for outreach to an even larger population can be expanded. The UACG strives to be an accessible and inclusive space for everyone who enters, with features such as ADA accessible planters and paved pathways, and adding sources of potable water would further our efforts to ensure the safety and accessibility of the Garden for all. For those with pre-existing health conditions who enter the Garden, whether it is to work or to simply enjoy the outdoor space, having a source of drinking water nearby can be of critical importance.

One of the main goals of the UACG is agricultural education, which it has in the past achieved through community outreach events geared towards children. Our partnership with the Community and School Garden Program has frequently seen young students entering the Garden to engage in learning activities, and it is crucial that the Garden be a safe place for children to enjoy in the warmer months of the year. In addition, the UACG partners with the Office of Sustainability's Compost Cats, another organization that emphasizes green education and often brings children into the Garden for outreach events. When children are brought into the Garden, the need for a reliable source of drinking water becomes even more crucial, as the Garden assumes a responsibility for their wellbeing. Having a source of potable water will allow the UACG to reliably reach a wider audience of campus and community groups, with the reassurance that the Garden is creating a safe environment for all who enter.

Upon the completion of the Water Access Amenities project, the UACG will use social media to inform the community about the Campus Sustainability Fund and the new water infrastructure in the Garden, acknowledging the work of students and the Office of Sustainability that empowers green innovation at the University of Arizona.

Project Budget *

Please provide a completed project budget using our Budget Template. The template can be found here:

<https://arizona.box.com/s/23d2mtihkakrx95c42luhk4k5omtqrwt>

Using the link, click "Download" at the top right corner and it will download as an Excel Sheet. You will need to sign into Box if you haven't used it prior. Please save your Excel sheet as: Project Name_Budget Template



Campus Sustain...

Supporting Document

Not required, but please upload any relevant documents here, including annual reports, FM budget quotes, maps, images of the product or equipment to be purchased, etc.



Tucson Commun...

This form was created inside of University of Arizona.

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