

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 *

outdoorrecadmin@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.

Andrew Huff

Primary Project Manager Status *

Student

Staff

Faculty

Other:

Primary Project Manager Email *

Andrewhuff@email.arizona.edu

Primary Project Manager Department Name *

Campus Recreation

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.

Hannah "Rae" Pickens

Secondary Project Manager Status *

Student

Staff

Faculty

Other:

Secondary Project Manager Email *

hannahpickens@email.arizona.edu

Secondary Project Manager Department Name *

Campus Recreation

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.

N/A

Departmental Employee Contact Email *

N/A

Departmental Employee Contact Department Name *

N/A

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.

Alicia Roberson

Fiscal Officer Email *

arobers1@arizona.edu

Fiscal Officer Department Name *

Campus Recreation

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!

Opening Access, Expanding Offerings: Campus Bike Shop Initiative

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)

\$22,700 (FY23) \$22,700 (FY24) \$22,700 (FY25)

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.

Outdoor Recreation is a program area at Campus Recreation that provides students with adventure-based recreation experiences in the form of guided outdoor trips. In addition, Outdoor Recreation hosts an outdoor gear rental center, where students and community members can rent gear like tents, sleeping bags, canoes, and more. The rental center currently offers mountain bike and road bike rentals at a daily rate to students, which can be rented in a similar fashion to the rest of the gear.

The rental center also hosts a fully functioning bike station in partnership with Parking and Transportation Services, which is present in front of the Koffler building on the UAz Mall. This bike station provides simple repairs to student bikes for free and offers the purchase of new tubes and bike tape for an additional fee.

The proposed project is the creation of a Campus Recreation Bike Shop, the key feature of which is a long-term and large-scale bike rental program for the University of Arizona community. This program would be administered and operated through the Outdoor Recreation program in conjunction with Campus Recreation and Parking and Transportation Services. With this proposed long-term rental program, UArizona students would be able to rent a bike for a semester at a time to use for commuting purposes, and Outdoor Recreation would provide routine bike maintenance and tune-ups at no additional cost. Currently, no such program exists on the UArizona campus, as CatWheel bikes can only be taken for 24 hours, and the Outdoor Recreation bike rental program only hosts 10 bikes at a time. The CSF money would serve as an initial investment for the bike fleet and trainings for student maintenance staff. The two project managers, Andrew Huff and Rae Pickens, are both full-time professional staff that oversee the operations of all aspects of the Outdoor Recreation program. Both project managers will be responsible for the implementation of the project, through the process of the equipment purchases, training of bike maintenance student staff, and budgeting and logistics. This proposal was written in collaboration with Leah Callovini, the Data Analyst for Campus Recreation, whose primary responsibility will be setting evaluation targets and deadlines for the program. The fiscal officer, Alicia Roberson Associate Director for Administration and Finance of Campus Recreation, will support reporting by pulling expenses against funding and ensure that funding is spent within awarded categories.

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.

Currently, Campus Recreation, through the Outdoor Rec program, operates the Campus Bike Station in partnership with Parking and Transportation. This service offers free flat repair and minor adjustments along with the ability to purchase a new bicycle tube if needed. It serves the great University of Arizona community but generally it is mainly university students who use bicycles as their main form of transportation. Over the past four years of operations, there have been some notable observations.

Frequently students will bring bikes that were purchases in town from less than scrupulous sellers, both private and public, that have a host of issues. Regularly they are not properly assembled, missing lubrication and/or bearings, improperly sized, or missing key components.

Oftentimes students comment that they could not afford to purchase a solid bike from a more reputable dealer. Commonly students have been taken advantage of due to a lack of knowledge on what to look for, or how basic bike safety features work. Sometimes it's as simple as communication or transportation barriers.

While the Campus Bike Station can address some of the minor mechanical issues, it does nothing to solve general inequity with the initial purchase. We intend to help alleviate some of this through the development of a Campus Bike Shop Initiative. The initiative would bring together programming and operations that are already happening on campus into one location along with the launch of a long-term bike rental service.

The Campus Bike Shop would be located at Campus Recreation and offer full-service mechanic work to students and the greater Tucson community with a tiered price structure. Students would receive subsidized pricing, with members and non-members of Campus Recreation paying a higher rate. In addition to the mechanic services, the Campus Bike Shop would offer information sessions and courses on bike repair, maintenance, and safety.

The center piece of the Campus Bike Shop would be long term bike rentals. These would be semester and full-year rentals of quality bikes for a reduced rate. Current rental rates are projected to be \$85 per semester, or \$150 for both Fall and Spring. Students would be able to reserve a rental bike before coming to campus, that would be ready for them by move-in. This would solve many of the issues we encounter at the Bike Station currently. We are asking for initial investment of \$68,100 over three fiscal years to bring the long-term rental component online. This would pay for the initial bicycle fleet purchase, while Outdoor Recreation would pay for the operational and facility costs. After Fiscal year 2025, the project is projected to be self-sufficient, and Outdoor Recreation would fully manage and operate the Campus Bike Shop, mainly through student employees.

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).

Campus Recreation is excited to launch a new Bike Shop Program. We recognize the need for additional, sustainable modes of transportation. We also understand that purchasing and maintaining a bike can be cost prohibitive. Students will be able to rent a bike for a reduced fee, which we hope will create access for those who want to start using a bike to commute to their classes. Basic maintenance and tune-ups are included with the bike rental fee.

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 initial phase of this project is proposed to take place over the course of three fiscal years. Three purchases of 50 bikes each will be made over this time. Due to supply chain breakdown and concerns, all 50 bikes in each purchase may not come right away, and so we are anticipating a slow rollout to the project in Year 1. This will give us time to set up the bike storage and maintenance location within Campus Rec, and market the program to the community. Budgeting for the bikes and supplies have been based on initial quotes from Fuji and Altria Group.

Regarding relevant partners for this project, we have communicated our intentions with Parking and Transportation services and begun talks about providing higher echelon bike mechanic services to PTS and the larger campus.

Campus Recreation is designating a specific space for the creation of a Campus Bike Shop, with bike storage, maintenance area, and a point-of-sales system. This will be where people with a long-term bike rental can bring their bikes for simple repairs and one tune-up per semester at no extra cost to them.

In terms of the feasibility of the project, we are basing a lot of the project logistics off similar programs at other large public universities. The primary inspiration for this project is one at the University of Alabama. Alabama has namely given us proof of concept, that a long-term bike rental program is both in high demand and feasible to be implemented by an Outdoor Recreation program of similar size. This has been the model for how many bikes we believe to be feasible to manage, and how long we can reasonably sustain the program given the proposed budget. We have also followed their lead on the type of bike to invest in based on longevity and repair statistics, as well as factored in the cost of a specific tire investment that they believed to have saved the program significant money by lasting longer than average.

We have also already communicated with the students who will be undertaking the maintenance lead roles, and in turn training other students to do the same. We will be partnering with BICAS for the initial mechanic trainings, followed by upper-level trainings provided by Campus Recreation staff. The costs of trainings are going to be covered by Campus Recreation.

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 first main environmental sustainability goal would be to reduce the number of traditional commuters to and from the University, traveling by car, motorcycle, city bus, or University Cat Tran. This would, first and foremost, reduce the negative environmental impact of traditional forms of city and University transportation. These negative environmental impacts first come in the form of energetic efficiency, as the lifecycle analysis of a bike reveals it to be significantly less energetically efficient to produce and dispose of when compared to a car, motorbike, or bus. It would also promote air quality protection, by decreasing the concentrations of air pollutants associated with automobiles, specifically CO2 emissions. On top of this, this project would decrease the demand for fossil-fuel intensive modes of transportations, decreasing the need for harmful mining and extraction processes and fostering the protection of natural resources. Last, in looking specifically at health outcomes, this long-term bike rental program would promote better air quality which translates to less pollutants harmful to the lungs. It also promotes individual health due to the benefits associated with increased cardiovascular exercise.

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.

First and foremost, this project contributes to social sustainability by providing a low-cost and accessible alternative to buying a bike or renting one at an off-campus location. This significantly decreases the traditional barriers that a student might face when choosing to make the transition from a traditional form of transportation such as a car. Not only will this increase accessibility of environmentally conscious solutions, but it also may serve as the sole affordable options for students in a low-income demographic. The long-term bike rentals will decrease the general inequity of an initial bike purchase, as well as the barriers to entry to reliable transportation to the university. In all, it aims to decrease the inaccessibility associated with the biking community, potentially providing access to individuals and identities not traditionally represented.

This long-term bike rental will also promote the concept of a circular economy, one that takes a systems focus approach and is regenerative in its energy and material input by nature. Circular economy structures are especially notable for promoting environmental justice, in that it creates communities that are knowledgeable about their consumption, their habits, and their environmental impact. This specific bike program will fit into a circular economy structure through the promotion of maintenance and tune-ups, that means the bike will have an above-average lifespan through the program. It will also have an educational piece, as patrons will learn to care for their own bike through the program and expand its longevity.

This long-term bike rental program will also reduce what is considered the “social cost of traveling,” which is the costs of road construction and maintenance, vehicle construction, and running costs- not only to an individual but also to a society- seen in the form of monetary, time, and opportunity costs.

Last, this bike rental program will promote urban space management. This will serve as a benefit to the university and city at large, as bicycle occupies around 10 times less space than a car in an urban setting, and this program will cut down on the number of car commuters to and around campus at any given time.

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 intention of this program fits the criteria for both student leadership and student engagement. As far as student engagement, the program itself is designed to provide an inexpensive alternative transportation option for students on campus. It is meant to help students who may experience financial insecurity and barriers to accessing a personal bike. Participants will not have to worry about expensive maintenance, as we are including tune-ups in the small rental fee we are charging. Through this program, we are passively engaging students to choose a sustainable form of transportation in addition to passively increasing their physical activity. As far as leadership opportunities, we are planning on creating four to eight bike mechanic positions for students. Upon hire, these students will attend a bike maintenance course hosted by BICAS and receive in-house training by Campus Recreation professional staff. They will learn an array of technical skills for bike maintenance, along with Campus Recreation's POS system. These students will be the providers of bike maintenance for participants of the rental program. Their wages will start at \$13.60 per hour and adjust with minimum wage increases. For the first academic year there will be roughly 480 hours of work for just the long-term bike rental program. We project that to grow to 1,440 hours by the third year of operation. This will not only provide additional student employment opportunities on campus, but will also provide the hired students valuable, transferrable technical bike maintenance skills. They will be able to take these skills to use in their own recreational practices or to obtain additional employment. We currently recruit Outdoor Recreation student employees and participants through a mix of word of mouth and referrals from current student employees, tabling events, reaching out to student-serving organizations on campus, including the Outdoor Adventures Living Learning Community. We have had great success recruiting student employees through these outreach and marketing tactics, and we focus heavily on student development with our employees; we provide opportunities for advancement into higher leadership roles as they gain experience. Outdoor Recreation's student staff retention is very high. Most students begin employment in the fall of their first year and stay until graduation.

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 Campus Recreation Data Analyst will conduct pre- and post-assessments of the experiences of the participants of the program. The pre-assessment will focus on the participants' preferred mode of transportation prior to enrolling in the program, their current engagement with sustainability efforts, and their physical activity behaviors. At the end of each semester, a post-assessment will be conducted with participants of the program. The post-assessment will reexamine the engagement of participants in sustainability efforts and their physical activity behaviors. Additionally, the post-assessment will explore the amount of usage that bike received, so we can measure the transportation impact and climate impact of the bike rental program. At the end of the academic year, the Data Analyst will write a comprehensive report of the metrics of usage and individual impact. The findings will be reported out to the campus community, especially key decision makers. Given Campus Recreation is housed under the Dean of Students, we have had no issues catching the attention of important decision makers on campus. To transcend the sustainability choir, we are working to engage a population that may or may not be actively involved in sustainability efforts in a more passive, entry-level sustainability program. The participants we engage may not be motivated to participate in the bike rental program because of their sustainability activism. Rather, they may be motivated by their need for an inexpensive form of transportation or their desire to be more physically active. We will capitalize on the opportunity to educate participants on the climate impacts of bike usage by providing them with an info sheet on how their choice impacts sustainability, along with targeted marketing.

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 Bike Sh...

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.



Campus Bike Sh...

This form was created inside of University of Arizona.

Google Forms