

# 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](https://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](mailto:emilyhaworth@arizona.edu) for questions, help in completing the budget template, or any other issues. \*\*

Email \*

[hoffmanm@arizona.edu](mailto:hoffmanm@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.

Michael Hoffman

**Primary Project Manager Status \***

Student

Staff

Faculty

Other: .....

**Primary Project Manager Email \***

hoffmanm@arizona.edu

**Primary Project Manager Department Name \***

Facilities Management - Utilities

**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.

Mark St. Onge

Secondary Project Manager Status \*

Student

Staff

Faculty

Other: .....

Secondary Project Manager Email \*

mstonge@arizona.edu .....

Secondary Project Manager Department Name \*

Facilities Management - Utilities .....

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.

Erik Reinold

**Fiscal Officer Email \***

ereinold@arizona.edu

**Fiscal Officer Department Name \***

Facilities Management - Business Services

**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!

New Staff for Building Utility Efficiency Initiatives

**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)

\$75,800 (FY23), \$76,200 (FY24), \$77,400 (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.

The University of Arizona main campus currently encompasses approximately 12 million square feet across over 134 buildings and 391 acres. The University has committed to Carbon Net Neutrality by 2040, and is currently in the beginning phases of writing and planning a Sustainability and Climate Action Plan. In order to reach that goal, our focus on improving utility efficiency across campus needs to be addressed. While the department continues to make strides in improving efficiency by way of implementation of new technologies in building automation and energy management tools and strategies, additional technical staffing resources are necessary to put data and information into action.

Currently, strategic energy management efforts are limited to one individual, the Campus Energy Manager, a member of the Facilities Management - Utilities team. That position was initially created in 2017 by way of a partial grant from Green Fund, similar to the intent of this application. This single position is the only staff member across the entire university specifically responsible for monitoring utility consumption efficiency and developing projects in response. In addition to that role, the Energy Manager manages the university's Automatic Fault Detection and Diagnostics system - an enterprise software system that monitors building performance and performs comprehensive analytics to detect performance and efficiency issues, is responsible for developing the university's Energy Information System, provides commissioning and technical support in energy management issues to Facilities Management and Planning Design and Construction, and collaborates regularly with student groups to provide student access to participation in university energy efficiency. Examples of these collaborations include the lighting audit and retrofit of Nugent Building last year, and current ongoing student projects to perform an energy audit and efficiency upgrades proposal for Harvill Building, and a project with HydroCats to identify upgrade and funding opportunities for plumbing fixtures across campus.

Facilities Management, as part of the Business Affairs Division of the University, has absorbed significant budget reductions over the last four years. While the department does not have a budget for new Utilities positions, the department is committed to identifying funding to cover 25% of this position as an indication of its commitment to these goals. The remaining 75% is then requested from CSF to enable the hiring of an individual to take on these crucial roles within the university and to allow for more internal capacity to make accomplishments towards the university's Carbon Net Neutrality goal.

## 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 Commissioning and Analytics Specialist will be a key member of the Facilities Management Utilities Services team, instrumental to campus goals for energy and water efficiency and sustainability and maximized facility performance. This position will work with and report to the Campus Energy Manager under general direction of the Director of Utility Services.

The Commissioning and Analytics Specialist will be directly involved and responsible for monitoring and response to Fault Detection and Diagnostics and Energy Information Systems, building energy auditing, building commissioning and retro-commissioning, systems test and balance, and working with student groups and university stakeholders on energy and water efficiency initiatives.

## 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).

Addition of the Commissioning and Analytics Specialist to the UArizona Facilities Management Energy Management team. This individual will augment UAFM's ongoing efforts to strategically address energy and water efficiency initiatives across campus. The Commissioning and Analytics Specialist will help maximize ongoing initiatives with energy auditing and automatic fault detection and diagnostics, and will be instrumental in further developing UAFM plans for systematic retro-commissioning and efficiency initiatives in campus buildings.

## 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.

This position has been approved by the Associate Vice-President for Facilities Management, and is awaiting final approval from university Business Affairs Division leadership. The only challenge to feasibility is access to appropriately skilled and interested candidates. We believe that the opportunity to work at UArizona in this capacity will draw interested candidates from various sources, including within the UArizona community, the greater Southern Arizona area, and potentially from non-Arizona residents.

## 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.

Reduction of energy and water consumption on campus has a direct and significant impact on campus environmental sustainability. With more than 50% of campus electricity now provided from renewable sources through partnership with our local utility provider, the next big opportunity for environmental sustainability is to continue to address efficiency in water and energy consumption. This position is specifically geared to that goal.

## 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 University is a significant presence and key partner to our local and regional communities. The improvements in campus utility efficiency due to the addition of this specialist will by extension provide an improvement to our local sustainability program. These efforts on the part of the university are an important aspect to UArizona's role and responsibility as community partner and steward to our local sustainability and resiliency goals.



## 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 UAFM Energy Manager routinely works with interested student groups on various projects to advocate for or directly impact improvements in energy and water efficiency and sustainability on campus. This new position will effectively double the resources available to UAFM to allow for expansion of those partnerships. This means additionally available time to advise and provide mentorship to interested student leaders in understanding the implications of energy and water on campus, and to assist those student leaders in developing projects as partners with UAFM in addressing those implications.

## 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.


As stated above, this position will allow UAFM to effectively double its resources in energy management, which includes outreach and advocacy within the university community. The Commissioning and Analytics Specialist will also be directly involved in UAFM efforts to develop effective utility dashboarding and reporting tools to help educate and advise the campus community on the university's energy and water consumption, and opportunities for efficiency and consumption reduction.

## Project Budget \*

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


<https://arizona.box.com/s/23d2mtihkkrx95c42luhk4k5omtqrwt>

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.

 UAFM Commis...

