



Sustainable Action Fund Grant Program

MEDIUM GRANT APPLICATION

2018-19

This application is for requests from \$5,001 up to \$35,000. For detailed application instructions and further information about the program, please refer the *Medium Grant Application Toolkit* located on our website at www.western.edu/sustain/programs/saf/apply/.

Submit completed application by delivering a hard copy and emailing a scanned version (including signatures) to the SAF Grant Program Coordinator Johnathan Riopelle at Viking Commons Room 24. Applications must be provided in both forms in order to be reviewed. Email: johnathan.riopelle@western.edu.

SECTION 1: Project Concept.

- a. Project Title:

H₂O Flow

- b. Describe your proposed project:

This project will build upon the original SAF project, Hydration Stations, to bring convenient water access to students, faculty, staff, and visitors of Western's campus. Water bottle refill stations are necessary to supplement the decreased access to water created as a result of the campus wide ban of selling single use plastic water bottles. We propose that three new refill stations be installed in buildings that do not currently have a refill station: Environmental Studies, Communications Facility, and Parks Hall. Increased accessibility would encourage the use of reusable water bottles, addressing the SEJF Grant Program's goal of reducing Western Washington University's environmental impact through diversion of plastic waste to landfills. This project will be promoted alongside the SEJF team during the 2,000,000 Water Bottles Diverted event in April 2019, celebrating the accomplishments of the current refill stations.

There are 18 water bottle refill stations implemented throughout campus, including the recent addition to the SMATE building. These stations are a successful addition to campus as thousands of water bottles are diverted from landfills per month as a result of each station. Water bottle refill stations are frequently used by Western students and staff. For example, due to the water bottle refill station in Artzen, 8,747 water bottles were diverted from landfills in the month of October 2018 alone. The high usage rates of water bottle refill stations across campus signifies that these stations are successfully contributing to Western's commitment of sustainability. More water bottle refill stations will increase the access of Western's students and staff to a sustainable alternative to plastic water bottles, advancing Western's goal of creating an equitable campus.

Utilization of water bottle refill stations can be found across college campuses nationwide. University of Washington currently has 17 water bottle stations ([1 per 2,705 students](#)). Although this is less

than number of units per student at Western (1 per 833 students), there is always room for additional units. For example, University of Maryland had 103 refill stations as of 2016 ([1 per 393 students](#)). With a recently submitted grant to convert 85 more water fountains to refillable water fountains, their ultimate goal is to have every fountain converted. University of Pennsylvania has 118 stations ([1 per 210 students](#)). The widespread implementation of these products across many college campuses indicates that water bottle refill stations are more than just a trend. These stations are becoming standard for universities across the U.S. there is always room for improvement and for Western to set an example as a sustainable and equitable campus.

- c. Who is the intended audience?

Students, faculty, staff, and visitors of Western Washington University.

- d. How many students will be affected?

At most, roughly 16,000 students will be affected. This number fluctuates based on student enrollment per quarter and number of students using the buildings. Each of the three buildings contain classes for many GUR courses, affecting students from every major. As a result, the three stations have the potential to reach the entire student population of Western Washington University as each building affected is open to every student.

- e. How long will the project last?

The project will be continuous. After the refill stations are installed, with proper maintenance they should be used indefinitely.

SECTION 2: Project Goals.

- a. What are the goals and desired outcomes of your project?

The goal of the project is to install three water bottle refill stations in the aforementioned locations. Obtaining this goal will increase accessibility and therefore equity as the stations will be installed in buildings that do not currently have any refill stations. The locations within the buildings have been strategically chosen for ease of access and well as creating more continuity of access across Westerns entire campus. The outcome of this project will be the reduction of plastic bottles being used on campus as access to clean water is increased.

The refill stations will also help increase access to clean water. Lead contamination of drinking water is a concern in some of the older buildings, such as Environmental Studies, identified by testing and signs posted around the building. The water bottle refill stations allow students and faculty to have constant, worry-free access to water. Filters could be added to the refill stations if desired, but this is an additional cost not implemented in any of the current stations across campus.

Western is dedicated to being an equal-opportunity institution, which includes accessible facilities for people with disabilities. As it stands, traditional water fountains can be extremely difficult to use for drinking and refilling water bottles for people in wheelchairs. The water bottle refill stations allow people in wheelchairs or with other disabilities to use the fountain easily.

- b. How will your project positively impact sustainability at Western?

By encouraging students' and faculty to bring their own water bottles, our project will decrease the amount of waste produced by Western students, staff, and visitors. Refill stations will decrease the likelihood of people buying beverages or using disposable water bottles. Less than half of all plastic bottles used are recycled and instead end up in landfills. Additionally, by partnering with the Zero Waste Western, we will be able to educate students about the benefits of using refillable water bottles. We will be able to provide students with water bottles that don't already have them by handing out bottles that have been collected by Lost and Found during an event promoting the success of previously installed refill stations on April 22 during the SEJF's milestone event "2 million water bottles diverted". Reusing these bottles also increases the sustainability of our project by using something that was otherwise likely to be thrown away.

- c. How does your project tie into broader campus sustainability goals or initiatives, including Western's Sustainable Action Plan?

This project would compliment the single use water bottle sales ban implemented on Western's campus in 2012. When single use water bottles are not made available, alternative means of access to water must be put in place. Although some water bottle refill stations have been installed on campus, gaps in access still exist. By increasing access this incentivises students and faculty to bring their own reusable water bottles to campus, reducing plastic waste which furthers the goals of Zero Waste Western and other organizations that aim to reduce Western's environmental impact.

This project would assist in the following SAP goals:

Built Environment Goal 2: Through structured community and campus-based co-curricular learning experiences, students gain knowledge and insight of sustainability in practice.

Campus and Community Goal 1: Western is internally organized to support university and community engagement to advance sustainability.

Campus and Community Goal 2: Western's culture and community engagement efforts reflect a strong commitment to sustainability.

Campus and Community Goal 3: Western's sustainability resources are easily accessed by the public.

Waste Goal 3: Provide opportunities for waste reduction education to Western faculty, staff, students, and visitors on accepted waste reduction practices.

SECTION 3: Project Participants.

- a. Team Information: A team should consist of two to five individuals, including the advisor.

Team Advisor Information (Faculty or Staff) Student proposals must include a staff or faculty advisor. The role of the advisor is to provide assistance and guidance to the team during the development, implementation, and post-implementation stages of the proposal process.

Team Lead: There must be at least one team lead designated for the project. This individual is expected to serve as the communication liaison for the project.

Name	Department/School Students provide major/minor	Position: Faculty/staff/student Students provide expected graduation quarter/year	Western email address
<i>Team Advisor:</i> David Rossiter	Environmental Studies	Associate Professor	David.Rossiter@wwu.edu
<i>Team Lead:</i> Jordyn Egbert	Major: Environmental Studies Minor: Geography & Disaster Risk Reduction	Student Spring 2019	egbertj2@wwu.edu
<i>Team Member:</i> Rebecca Stebbing	Major: Environmental Science	Student Spring 2019	stebbir2@wwu.edu
<i>Team Member:</i> Taylor Kessler	Major: Environmental Studies Minor: Geography & Disaster Risk Reduction	Student Spring 2019	kesslet@wwu.edu
<i>Project initiator:</i> Lael Berkowitz		Student Spring 2018	
<i>Project initiator:</i> Holly Knutson		Student Spring 2018	

b. Project Stakeholders

Does your project involve labor, include involvement, or require permission from organizations, departments, or individuals on campus or in the community? These project partners are your stakeholders; list them below. Each stakeholder must provide a signature of approval for this project. Insert additional rows as necessary. For more information, please refer to the Medium Grant Toolkit.

Name	University Department and Position	Involvement in Project	Stakeholder signature of approval
Jason Sprinkle	Facilities Management Estimating, Construction Project Coordinator 2	Facilities management will be providing maintenance and installation services for the project. We will need their permission to ensure that they have the means to provide their	

		services for these new stations.	
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If your project team is proposing a temporary or permanent facility or property modification, then a Project Owner Form must be submitted with the application. Form can be found on SAF website: www.edu/sustain/programs/saf/apply

- c. Will any Associated Students clubs be involved?

Club	Involvement in Project	Club representative signature
Students For Sustainable Water	Consult on our location choice and whether or not they will positively contribute to increasing equitable access to sustainable water.	Reached out twice, but received no response

- d. Each SAF Project team is required to meet with their project coordinator on a regular basis. This individual will provide support and advisement on your project. Communication with your project advisor is necessary for your project to proceed. Initial below to acknowledge this agreement.

SAF Project Coordinator	Initials	Date
Turner Campbell		
Team Lead	Initials	Date
Jordyn Egbert		

SECTION 4: Project Timeline.

- a. Describe your project's progress and promotional activity. Outline all tasks that are required to complete the projects, and all means in which you will promote the project to the campus, in the table below. Insert additional rows as necessary.

Action	Purpose	Initiation	Completion
Obtain cost estimates for installation in various locations	Determine viability of project and how many refill stations can be installed within the budget	11/08/2018	1/23/2019
2,000,000 water bottle landmark	Partner with SEJF/Office of Sustainability to promote achievement and installation of more refill stations	10/1/2018	04/22/2019
Contacted stakeholders	Reached out to stakeholders for additional funding	1/30/2019	

- b. Where will the project be located?
 - a. Environmental Studies building (second floor-west side)
 - i. Educational opportunity for students and community: there are multiple interactive and educational displays in the environmental studies building that draw people other than students/faculty/staff in, the refill station could serve as another educational opportunity/display
 - ii. Supports environmental initiatives of the majors that utilize the space, i.e Urban Planning, Geology, Geography, Environmental Studies, Environmental Science.
 - b. Parks Hall building (first floor-near restrooms)
 - i. Mixed use building: classrooms, lecture halls computer labs
 - c. Communications building (first floor-near restrooms)
 - i. Mixed use building: classrooms, lecture halls, computer labs, faculty offices



★ Existing Locations
 ● Proposed Locations

c. Planned project completion date:
June 2019

d. Project final report due date:

Project coordinator initials:

SECTION 5: Project Budget.

- a. Provide an itemized list of the budget items required for this project. Include equipment, construction costs, publicity, labor, and any other costs. Include funding amounts from other sources that will impact project cost (see 5b.). Insert additional rows as necessary.

Item	Cost per Item	Quantity	Cost
<p>Water bottle refill fountain unit Producer: Elkay Make/model: EZS8WS</p> 	\$950.00	3	\$2,850.00
Installation	Site dependent: total provided by Jason Sprinkle	3	\$21,930.00
Information poster	\$0.25 to print 1 color page	3	\$0.75
11.5" x 8" Double Panel Floating Clear Acrylic Wall Mounted Sign Frame (Amazon) Amazon Standard Identification Number: B01HR4NJ4K	\$22.00	3	\$66.00
Total project budget			\$24,846.75
Total of all other funding sources, listed below			\$0.00
Total requested funds from SAF			\$24,846.75

- a. Additional funding sources: The SAF Committee encourages the identification of additional funding sources to augment SAF funds, and failure to secure such support may prevent approval of an application. List pending, approved, and denied applications for funding from other sources, along with amounts requested from those sources.

Funding Source	Status	Amount
Department of Accounting	Pending	Unknown
College of Business and Economics	Pending	Unknown
Business and Management	Pending	Unknown
Huxley	Pending	Unknown
Journalism Department Chair	Pending	Unknown

- b. If the project is implemented, will there be any ongoing replacement, operational, maintenance or renewal costs? If yes, has a source of funds been identified to cover those costs? This must be communicated to the appropriate stakeholder.

Ongoing cost	Amount	Responsible Stakeholder	Signature
Maintenance of refill station	Refill stations will be under the ownership of Facilities Management.	WWU Facilities Management & Operations	

- c. How will the success of the project be measured? Describe the quantitative and/or qualitative sustainability metrics you will use to measure the success of your project. A data collection plan is required for all projects.

Metric (<i>qualitative or quantitative</i>)	Description	Impact
Quantitative	Number of plastic water bottles saved	Reduces plastic waste on WWU's campus, resulting in less plastic waste in landfills
Qualitative	Amount of student use of all three stations has potential to reach 14, 706 people per day, based on the assumption that classrooms are at full capacity during school hours. Number of students per day is based on the following classroom capacities: Environmental Studies building Total classroom capacity:	Increases awareness of plastic alternatives, as more students can be aware of refill stations and their purpose. WWU's mission of sustainability can reach a larger market base, if more students utilize water bottle refill stations.

	<p>393 students x 9 hours = 3,537 students per day at capacity</p> <p>Parks Hall building Total classroom capacity: 316 students x 9 hours = 2,844 students per day at capacity</p> <p>Communications building Total classroom capacity: 925 x 9 hours = 8,325 students per day at capacity</p>	
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d. Is there any additional information about the project that you would like to share?

We look forward to contributing to a more sustainable and equitable future for Western Washington University.



Sustainable Action Fund Grant Program

MEDIUM GRANT - APPLICATION

PROPOSAL REVIEW

Once your project proposal is complete, you must print and receive handwritten signatures from the individuals listed below. After signatures are received, applications can be delivered as a hard copy to the SAF Grant Program Coordinator, Johnathan Riopelle at Viking Commons Room 24 or by scanning the application and emailing it to johnathan.riopelle@wwu.edu.

Please set an appointment with the Sustainable Action Fund Grant Program Coordinator to review your draft proposal before submitting your application.

Sustainable Action Fund Grant Program Coordinator, Johnathan Riopelle

Viking Commons, Room 24

Available by appointment

Email: johnathan.riopelle@wwu.edu

Phone: (360) 650-4501

Signature: _____ **Date:** _____

This signature confirms that the application has been accepted for SAF committee review; it does not indicate funding approval.

Comments:

Seth Vidaña, Director of Sustainability, Western Washington University

Viking Commons, Room 25

Phone: (360) 650-2491

Signature: _____ **Date:** _____

This signature confirms that the application has been accepted for SAF committee review; it does not indicate funding approval.

Comments: