

ZACH S. HENDERSON LIBRARY Sustainability Fee Project Grant Report FY2016

Please provide the following information in order to help the Center for Sustainability document the success of the Sustainability Fee Grant Program.

Date: July 25, 2016

Name(s): Bede Mitchell

Unit/Department(s): Henderson Library

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Project title: Bottle Filling Stations

Amount granted: \$14,000.

Amount spent: Approximately \$14,000. Final figure to be supplied.

I. Project Outcomes/Value

Detail the planned and actual outcomes of the project here.

Project Timeline - Is your project completed or still in progress?

If not yet completed, please explain why it is delayed and provide a projected completion date.*
(*Note – an amended final report will be due one month after the projected completion date).

Project has been completed. Installation was begun late fall semester 2015 and finished early spring semester 2016.

Project Outcomes -List the proposed project goals/objectives and actual outcomes of the grant. Describe any successes, challenges and observations.

Proposed project: "Four water bottle fountains by the main staircase at the front of the building will be converted to water bottle filling stations. There will be one installation on each floor of the Library next to a traditional water fountain."

Installation was more challenging than expected but was done one floor at a time and was still completed well before June 2016.

Sustainability Improvements – clearly state how your project has improved campus or community sustainability and explain how you assessed the improvement. If funds were used to purchase products intended to reduce energy, water use, waste, labor cost, etc., please provide information and calculations that show the expected return on investment for your grant.

To date, the water bottle filling stations have refilled more than 21,994 bottles. This has kept that many bottles out of the recycling system, or worse the landfill, and as a result helped lighten the load on campus recycling and sanitation systems.

The number of bottles filled at each station is noted bi-weekly and entered into a spreadsheet. The library will continue to do this for the next year and provide numbers when requested to the CfS to

be combined with any data collected at other stations across campus. (See following chart.)

HENDERSON LIBRARY - WATER BOTTLE FILLING STATION DATA ²

fx	Date						
	A	B	C	D	E	F	G
1	Date	Station Floor 1	Station Floor 2	Station Floor 3	Station Floor 4		Total
2	4/7/2016	2563	3857	3408	1175		
3	4/18/2016	2943	4443	3773	1308		
4	5/2/2016	4120	N/A	4840	1560		
5	5/16/2016	4410	6354	5180	1646		
6	6/1/2016	4565	6824	5377	1686		
7	6/14/16	4724	7409	5584	1720		
8	6/27/16	4860	7843	5749	1767		20219
9	06/12/16	5070	8289	5920	1793		21072
10	7/25/16	5244	8817	6078	1855		21994

bottles filled

Number of

Outreach – how did you publicize your Sustainability Fee grant/project? Please attach copies of all publicity (news articles, web pages, fliers, newsletter, etc.) associated with your grant. If no publicity measures have been taken yet, what are your plans for publicity of your project?

Posts were made to the library's news box (see top images below, shown at 75%) and to Facebook (see bottom images below, shown at 50%) announcing the stations when they became operational, and reposted approximately six weeks later. The posts in the newsbox remained in the rotation for multiple days, including from 2/2 to 2/8, 2/11 to 2/15, and 4/7 to 4/21 to coincide with the GS campus' No Impact Week and the Sustainability Showcase.

After we hit 20K bottles filled, another splash with that number was made to the newsbox and Facebook. The library will continue to publicize the stations with announcements as milestone numbers are reached.





A post was made to the Library's blog on April 19.

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<http://library.georgiasouthern.edu/blog/2016/04/19/sustainability-showcase-closing-reception-and-green-eagle-awards-ceremony/>

At the Sustainability Showcase:

A poster (see image, right, at 25%) was displayed along with a computer running the following 2 videos:

Elkay - exH2 Water Bottle Filling Stations - Product Overview

<https://www.youtube.com/watch?v=C5ez9kTZJoQ>

Life Cycle of a Water Bottle - Infographic. Chris Balzano 3/19/12

<https://www.youtube.com/watch?v=gIAPkpeKvFE>

library.georgiasouthern.edu



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Student Sustainability Fees

Thank you to the CFS for funding these stations

at Work! video sources:

Elkay - exH2 Water Bottle Filling Stations - Product Overview
<https://www.youtube.com/watch?v=C5ez9kTZJoQ>

Life Cycle of a Water Bottle - Infographic. Chris Balzano 3/19/12
<https://www.youtube.com/watch?v=gIAPkpeKvFE>

Reusable BPA-free water bottles (see image above, left) were given away as an accompanying item. The library spent \$365. of funds from its own budget to purchase these bottles.



Lori Gwinett and Jennifer Gerrald shown with the Library's display at the Sustainability Showcase and the water bottles given away.

Student assistant Miranda Swaim and Janet



Burns with the Library's display at the Sustainability Showcase and the water bottles given away.

Budget report- provide an explanation of how all funds were used and explain any deviation from the original budget.

All funds went toward the installation and there were no known deviations.

II. Student and Community Impact

Because these grant funds come directly from a \$10 Student Sustainability Fee, it is important to document how they benefit students. Please provide information on the following:

- #Undergraduate students employed by the grant, and length of employment (# hours/week for x weeks)
- #Graduate students employed by the grant, and length of employment (# hours/week for x weeks)
- # volunteers involved in the project, including total # of volunteer hours
- # students reached through classes or other means
- # community members reached

These stations equate to free water for anyone willing to carry and refill any type of bottle or cup, whether disposable or reusable. This benefits students (and others) monetarily.

While no data has been collected to date as to whether these groups would instead have 1) had no water, or 2) had something such as a sugary soft drink in its place, this may have the added health benefit of promoting higher daily water consumption. In our hot southern climate this is especially important.

Grant Leverage

Were you able to leverage your work for additional outcomes? Indicate the following if they apply.

Presentations given on grant work (indicate if local, regional, national, international, list title and conference name and date)

Papers published, in press or in preparation (indicate student authors with an

asterisk) Grants leveraged (list granting agency, amount awarded)

Project abstract

Provide a one paragraph abstract of the completed project and a photo (preferably including some of the people involved with the project at work) to be posted on the CfS web page.

Also include links to all web pages on which this work is discussed or displayed.

The water bottle filling stations provide students (both undergraduate and graduate), community users, and campus faculty and staff a method to easily and safely fill bottles instead of purchasing water or other soft drinks from vending machines. Benefits include monetary savings by those who use the stations, reduces plastic waste that would otherwise need to be handled through campus recycling or sanitation systems, and likely carries health benefits to those either drinking more water or less sugary beverages. Given that over 22,000 bottles have been filled since early spring semester, it seems to be a huge success.