

**Proposal #2 Refill-a-bull Hydration Stations Ph. IV**

Section 1: Summary Information

Project Title: Refill-A-Bull Hydration Stations

Duration (months): 1

Total Budget (\$): \$39,373.00

Requested SGEF Funds (\$): \$39,373.00

Matching Funds (\$): \$0.00

Proposed Starting Date: 2/21/2014

Section 2: Applicant Information

	Full Name	Unit/Department	Phone	Email
Principal Investigator	Briena Gianfrancesco	Physical Plant	813-974-57	briena@admin.usf.edu
Investigator 1	Matthew Sipinick	Physical Plant	813-974-57	msipinick@usf.edu

Section 3: Project Description

Project background and purpose (reasons motivating request) (Max 500 words)

In an effort to reduce the footprint upon the environment by the population of USF, the project will replace existing water fountains with new combination fountain/bottle-filler units. Unlike previous installations on campus, these will provide not only drinking fountain service but also the ability to fill student/faculty/staff reusable water-bottles. By doing so, we may reduce the number of bottles going to the landfill as well as the waste produced by the production and transport of water in disposable bottles and jugs. These new combination-units will be installed using assistants from students both from our project management and quality control areas. They will be monitoring our contractors' progress as these are installed. After completion of the project, these same students will update our list of units for submittal to the Office of Sustainability.

Project activities (Max 250 words)

**A total of 18 units will be installed across campus using a combination of full-time USF employees, part-time student assistants, and contractors. Below are the planned locations of the units: REC 1st**

**floor REC 2nd floor CPR 2nd floor CPR 3rd floor MDC Phase I MDC Phase II LIB 4th floor LIB 5th floor MHC 1st floor east side MHC 1st floor west side MHC 2nd floor east side MHC 2nd floor west side MHA east side MHA west side SCA 3rd floor SCA 5th floor ENB 2nd floor ENB 3rd floor Each location listed will have 1 unit installed.**

Project results (Max 500 words)

The units will be surveyed on a monthly basis by student assistants, and they will be recording the number of 12 oz. bottles filled as determined by the bottle filler. A count of about 585 bottles saved from waste stream per bottle filled per month will be considered a success. At 0.00044 Barrels of Oil Equivalent (BOE) per 12 oz. bottle (including production, preparation, and transportation), we would be conserving 0.22 BOE per bottle filler per month.

Annual Energy Savings 31,435 kWh

Annual Cost Savings \$3,457.85

Return of Investment in % 0.09

Annual Green House Gas Reduction 0.00

Project Sustainability (Max 200 words)

Since the units are replacing existing coolers, the stations will not require any additional maintenance resources above current requirements.

Section 4: Workplan and Budget Details

Detailed work plan/schedule of activities (Max 250 words)

The units will be installed using assistance from students in project management and quality control in monitoring contractors' work. Once the units are installed, student assistants will continue to survey the units monthly to track the progress of the units. This will be communicated to the USF community by the Office of Sustainability. See the above Project Activities for the planned locations of the installed units. A time line is shown below: 1 month material acquisition – Order materials for install on February 21th, 2014. March 3rd, 2014– start installation March 21st, 2014 – end installation

Budget breakdown

Category	Request from SGEF	Applicant contribution	Total
Personnel (include all involved)	\$16,009.00	\$0.00	\$16,009.00
Equipment	\$0.00	\$0.00	\$0.00
Supplies/Materials	\$23,364.00	\$0.00	\$23,364.00

Contractual	\$0.00	\$0.00	\$0.00
Construction	\$0.00	\$0.00	\$0.00
Other (specify in budget justification)	\$0.00	\$0.00	\$0.00
Total Project Cost	\$39,373.00	\$0.00	\$39,373.00

Budget justification (Max 250 words)

For materials, each unit will cost \$1,298. With 18 units to be installed, the total material cost would be \$23,364. For labor, it will cost \$16,009 for a total of 18 units installed. These units require relocation of the piping in the wall and modification of the drain pipes. The total amount is \$39,373.