Proposal Details

Shawna Neckar

Section 1: Summary Information

*** Project Title:**	The Plaza (at Chemistry)
*** Duration (months):**	4
*** Total Budget ($):**	$626,133.37
*** Requested SGEF Funds ($):**	$26,133.37
*** Matching Funds ($):**	$600,000.00
*** Proposed Starting Date:**	5/3/2014

Section 2: Applicant Information

	Full Name	Unit/Department	Phone	Email
*** Principal Investigator**	Mike Ballester	Physical Plant	813-974-96	mballest@usf.edu
Investigator 1	Sarah Baynard	Physical Plant	813-974-45	sbaynard@admin.usf.edu
Investigator 2				
Investigator 3				
Investigator 4				

Section 3: Project Description

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

As a result of the USF Lakeland campus becoming Florida Polytechnic, the USF Lakeland students feel that they are losing their home campus and have expressed desire to have a connection to the USF system. As a result, they have funded an outdoor improvement project on the Tampa campus. In discussions with SG representatives from both the Tampa and Lakeland campuses, the students place a value on alternative energy and would like to see solar charging stations incorporated into the project. By providing Green Energy Funds for this sustainable amenity, USF will be offering something in return to the Lakeland students that will graduate this semester as well as current and future USF students, thereby encouraging future students to utilize and promote clean energy.

*** Project activities (Max 250 words)**

The complete project is a beautification effort in a high traffic and high use area in the center core of the Tampa campus. The large existing patio has a tired appearance. Through the project, it will received a dynamic stained concrete design, contemporary seating, and vibrant landscaping. If funded, the solar charging stations/tables will be an additional feature installed in the plaza for students to use while studying between classes.

*** Project results (Max 500 words)**

Solar charging stations/tables will be a visible sign of USF's willingness to invest in and promote solar and alternative energy. Because the area as a whole will receive ADA improvements, the solar charging stations will be accessible to all.

*** Annual Energy Savings**	973 kWh
Annual Cost Savings	$107.03
Return of Investment in %	0.00
Annual Green House Gas Reduction	0.00

*** Project Sustainability (Max 200 words)**

The photovoltaic panels on the umbrellas of the charging stations have power generation capacity of 235 watts each and Tampa has an average of 5.67 sun hours per day. Two tables with solar umbrellas would be able to produce 973kWh per year. 2 [(235*5.67*365)/1000]

Section 4: Workplan and Budget Details

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

The solar charging tables/stations have a lead time of 8 weeks. Ideally, the order will be placed on May 5, 2014 so that the stations will arrive at the end of July for installation in early August.

*** Budget breakdown**

Category	Request from SGEF	Applicant contribution	Total
Personnel (include all involved)	$0.00	$0.00	**$0.00**
Equipment	$22,764.25	$0.00	**$22,764.25**
Supplies/Materials	$0.00	$0.00	**$0.00**
Contractual	$3,369.12	$0.00	**$3,369.12**
Construction	$0.00	$600,000.00	**$600,000.00**
Other (specify in budget justification)	$0.00	$0.00	**$0.00**
Total Project Cost	**$26,133.37**	**$600,000.00**	**$626,133.37**

*** Budget justification (Max 250 words)**

Due to the scale of the project and necessary site work for proper drainage and accessibility, we have encountered budgetary challenges. The award of the SGEF grant will enable incorporation of the solar charging stations. We feel that this sustainability component will enrich the student's experience in the space and embraces the ideals of the student body.

Upload File: View File

Added By	Vote
Stanley M. Kroh	MayBe
Thomas R. P. Snelling Thomas.Snelling@ci.tampa.fl.us	MayBe
Barbara S. Donerly	MayBe
Margaret Rush rush@epchc.org	MayBe
Added By	**Comments**
Stanley M. Kroh	I like the general concept and visual impact the project will have. However, with annual cost savings of only $107.03, the project will never pay for itsself. Return on Investment is shown as $0.00. Construction costs are listed as $600K, and while thess will not be paid out of SGEF, I question whether this cost is for the charging stations only, or for the larger beautification project. It seems excessive.
Thomas R. P. Snelling Thomas.Snelling@ci.tampa.fl.us	The ROI is not there. Am a bit biased toward "low tech" projects and solutions. This kind of solar project does make sense, but it seems expensive. Maybe sharpen the pencils and break out solar costs from other construction cost. Similar to Stans comment.
Barbara S. Donerly	I think the 26,000 is for the solar umbrellas and the 600,000 is for the construction of other aspects of the project. It is a large existing concrete area and would be costly to bring electric to the center.
Barbara S. Donerly	The location shall avoid existing trees and new trees canopies for direct sunlight during most of the day.
Margaret Rush rush@epchc.org	I think this is a nice visual for solar use if this is a high traffic area for students. I believe a similar project was completed at another location on campus. If the first solar umbrella project is well used, then this seems like a good idea, though, a bit expensive. I would wait and see if the total project of redoing the patio goes forward.

Return to List