



Student Green Energy Fund Proposal Application Form

Section 1: Summary Information

Project Title:	Electric Vehicle Charging Station at PCGS (Patel College's extant energy efficient vehicle spot)
Duration (months):	1
Total Budget (\$):	\$40,000
Requested SGEF Funds (\$):	\$40,000
Matching Funds (\$):	\$0
Proposed Starting Date:	July 1
PI Graduation Date (if applicable):	Spring 2016

Section 2: Applicant Information

	Full Name	Unit/ Department	Phone	Email
Principal Investigator	John Pilz	College of Arts and Sciences	(727)-452-0603	johnpilz@mail.usf.edu
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Investigator 2	Adib Amini	College of Engineering	(540) 244-1239	aamini@mail.usf.edu

Investigator 3	Ileana Alvarez	College of Nursing	(786) 346-2482	ileanaalvare@mail.usf.edu
Investigator 4	Daniel Sirmons	College of Engineering	(727) 515-8118	dasirmons@mail.usf.edu

Section 3: Project Description

Describe the project, including goals and objectives, methods to be used to assess the outcome of the project, and how the results of the project will be communicated to the USF community and the sustainability of the project

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

The Climate Action Plan signed by USF covers the encouragement that students and staff adopt electric vehicles. Data collected from Chargepoint through Parking and Transportation shows that the charging stations at USF are being used every day constantly. We don't have enough charging stations at the right places for the amount of cars at USF. >27 EVs are vying for limited spots, and many parts of campus are not close enough for drivers to the college of business or the college of sustainability.

Electric vehicles are being adopted at an exponential rate and all that is left now for adoption of these cars is access to the charging stations at the relevant locations around USF. One of such locations is the Patel Center for Global Solutions, housing the College of Global Sustainability. With charging stations installed at the Marshall Student Center that were originally slated for Patel, it is the hope of the PI that a dual charging station be purchased to be replacing one of the charging stations at the Marshall Student Center (given high demand) whereas the old charging station is installed at the PCGS parking spot for energy efficient vehicles.

The parking spot is accessible at PCGS and it is a mile or so away from any other charging station at school. Given the considerable distance from other charging stations, this location is ideal for the installation of charging stations for electric vehicles.

- Project activities (Max 250 words)

The project will require submission of a space impact request, gathering 3 cost estimates for approval and the installation of the charging station (we want to take one charging station from the marshall student center and replace it with a new station while the old one is placed at PCGS).

- Project results (Max 500 words)

USF will be encouraging electric vehicle adoption by placing a charging station within reasonable distance from the students at the School of Sustainability, the school of business and the sun dome/gym. The charging station purchase will raise the number of 240 V cords at the marshall student center from 2 to 3, and the charging station at patel will provide charging for cars in the energy efficient vehicle spot (one 240V charge cord and one 120V outlet).

- Outcomes of the project (narrative)

The Student Green Energy Fund will be supporting USF's attempt to encourage EV adoption, and it will help with the 3rd Scope of the Climate Action Plan adopted by USF. The cars that commute to USF are one of the largest polluters, and reducing that source of pollution into the air we breathe can go a long way.

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| ▪ Annual Cost Savings | 0 (Students save on gas money) |
| ▪ Return on Investment, % | Saves money for the drivers of the cars |
| ▪ Annual Energy Savings | ~2,000 gallons of gas |
| ▪ Annual Green House Gas Reduction | 5,237.77 kg GHG |
| ▪ Project Sustainability (Max 200 words) | |

This project will be using an extant parking spot for energy efficient vehicles and the pay by space adjacent to it. Through purchase of a new station, the new station can go to the marshall student center parking spot and the single cord charging station can be placed at PCGS for the two parking spots within reach (the energy effient spot can be renamed and the pay by space can be used by EVs who are willing to pay to park and charge with the nearby charger). Please view the parking spot to gain a better understanding, however, we will be providing more cabability to the EV charging in lot 5A.

Section 4: Additional Materials

Provide detail all activities and responsibilities including schedule for the project from start to finish, noting the general dates of major milestones and accomplishments.

Also provide details of expenditures for the project, including a brief statement describing the nature and necessity of the expense. Provide a schedule for the project from start to finish, noting the general dates of major milestones and accomplishments (These may be uploaded as additional files)

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

The Space impact form will be submitted then approved. Then we need to get the chartfields to the right people, and the old station will be removed and installed in a new location (PCGS) while the new one will go into the MSC lot (LOT 5A). Installation takes a week once all the permitting is done. For a total of 3 years (until a plan is developed by PATS to pay for maintenance), a total of \$500 per year is needed so that the charging stations can be maintained by chargepoint/accessible on the network to students who need to see. Electricity should be around \$500 per year too.

- Budget breakdown and justification

Project Budget breakdown must follow the following format:

Category	Request from SGEF	Applicant Contribution	Total
Personnel (include all involved)	\$2,500	0	\$2,500
Equipment	\$2,000	0	\$2,000
Supplies/Materials	\$30,000	0	\$30,000
Contractual	\$2,000	0	\$2,000
Construction	\$3,000	0	\$3,000
Signage	\$500	0	\$500
Other (specify)	\$0	0	\$0
Total Project Cost	\$40,000	0	\$40,000