



# Student Green Energy Fund Proposal Application Form

## *Section 1: Summary Information*

<b>Project Title:</b>	ETS Phase II Solar Panel Installation & Golf Cart Charging Outlet Placement
<b>Duration (months):</b>	2
<b>Total Budget (\$):</b>	\$21,000
<b>Requested SGEF Funds (\$):</b>	\$21,000
<b>Matching Funds (\$):</b>	\$0
<b>Proposed Starting Date:</b>	September 22, 2015
<b>PI Graduation Date (if applicable):</b>	2016

## *Section 2: Applicant Information*

	<b>Full Name</b>	<b>Unit/ Department</b>	<b>Phone</b>	<b>Email</b>
<b>Principal Investigator</b>	John Pilz	College of Arts & Sciences	727-452-0603	johnpilz@mail.usf.edu
<b>Investigator 1</b>	Elias Stefanakos	College of Engineering	813-974-4413	estefana@usf.edu
<b>Investigator 2</b>	Roger Stern	College of Arts & Sciences	813-817-9231	rogerstern@mail.usf.edu
<b>Investigator 3</b>	Emma Lopez	College of Engineering	786-379-1071	Emmalopez@mail.usf.edu
<b>Investigator 4</b>				



- Annual Energy Savings 8,760 kWh/year
- Annual Green House Gas Reduction 6,040 kg CO<sub>2</sub>

- Project Sustainability (Max 200 words)

This project will sustain an existing project by replacing solar panels that have passed their expected life expectancy and no longer function. The new panels come with a warranty, energy output monitoring and their support structure will be painted to stop rusting. The structure will be painted again to maintain the project's integrity with the new solar installation that needs painting for preservation throughout the years.

*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)

Space impact approval has been made. As soon as there is approval of funding of the following, we need to get the chartfields information to get the project started. Antonio Lourenco is the designated project manager from USF FP&C on the space impact that has aquired the cost estimates.

First, we will remove the old PV panels on the west side of the CUTR/College of Engineering PV charge station (6kW). Second, the new PV panels will be installed with the three 120V outlets into the pilings near the typical parking area for the golf carts. Third, the connection between the new PV and the TECO grid will be rewired to allow for the added solar panels. Fourth, the structure will be painted to prevent unplanned structural decay.

- Budget breakdown and justification

Solar Energy Management -----\$12,300.00

- Exterior Painting of existing structure ----\$ 5,750.00
- FP&C Cost of Service -----\$ 1,080.00
- **TOTAL -----\$19,130.00**

120 V outlet installation yet to receive price quote (expected to be under \$2000 and around \$1000).

Project Budget breakdown must follow the following format:

<b>Category</b>	<b>Request from SGEF</b>	<b>Applicant Contribution</b>	<b>Total</b>
<b>Personnel (include all involved)</b>	\$1080.00	0	\$1080.00
<b>Equipment</b>	\$3050.00	0	\$3050.00
<b>Supplies/Materials</b>	\$8870.00	0	\$8870.00
<b>Contractual</b>	\$3,000.00	0	\$3,000.00
<b>Construction</b>	\$5000.00	0	\$5000.00
<b>Signage</b>	\$0	0	\$0
<b>Other (specify)</b>	\$0	0	\$0
<b>Total Project Cost</b>	\$21,000	0	\$21,000