

Proposal Details

G Hendrix

Section 1: Summary Information

* Project Title:	Reducing USF's GHG Emissions Campus-Wide
* Duration (months):	12
* Total Budget (\$):	\$72,000.00
* Requested SGEF Funds (\$):	\$72,000.00
* Matching Funds (\$):	\$0.00
* Proposed Starting Date:	7/1/2018
PI Graduation Date (if applicable):	12/1/2018

Section 2: Applicant Information

	Full Name	Unit/Department	Phone	Email
* Principal Investigator	Sam B. Gibbons	Patel College of Global Sustainability	813-431-36	samgibbons@usf.edu
Investigator 1	Shweta Tripathi	USF School of Architecture	813-389-53	shwetat@mail.usf.edu
Investigator 2				
Investigator 3				
Investigator 4				

Section 3: Project Description

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

• In order to ensure compliance with President Genshaft's climate commitment for University of South Florida's Tampa Campus becoming carbon neutral we need to purchase Renewable Energy Credits (REC). RECs are market-based instruments that represent the property rights to the environmental, social and other non-power attributes of renewable electricity generation. These credits serve as a stopgap and allow us to reduce our carbon emissions. According to our commitment, for FY 2017-2018 we must be reduce carbon footprint by 13% below the 2007-2008 FY baseline. We are approximately 680 equivalent metric tons short of this year's goal. The Megawatt (MW) equivalent, per the EPA greenhouse gas equivalencies calculator, comes to 70,748 MW hours (MWh). These RECs will be purchased in open competitive market. They typically cost approximately \$1 per MWh.

* Project activities (Max 250 words)

This proposal is requesting funding from the SGEF for the purchase of RECs and Carbon Offsets to help USF achieve its GHG emission reduction goal of 13%. The Office of Global Sustainability, SGEF Council, and Facilities Management – Planning & Sustainability at USF have been developing strategies to achieve the climate commitment of reducing GHG emissions. One of the easiest and quickest approach to do this would be to consider the purchase of RECs and Carbon Offsets. After some discussions with Schneider Electric, we found out that the option we are considering in this proposal is feasible. The project entails

- GHG inventorying of USF Tampa campus. Identifying reduction targets and to meet President's Climate Commitment.
- Identifying number of REC's and Carbon Offsets needed taking into account completed and ongoing projects that will help reduce GHG.
- Competitively purchasing minimum number of needed RECs and Carbon Offsets.

* Project results (Max 500 words)

This project will have several benefits: first, we will comply with our climate commitment, second several campus buildings that are seeking LEEDv2009 Building Design & Construction (BD+C) Silver Certification. These buildings include P3 Residential Dorm, the Hub, and the Fit. Two LEED Commercial Interiors (CI) v4 projects. LIB 5th Floor and MDH 4th Floor Eye Clinic will also be awarded points for the purchasing of the REC, and thirdly we will be encouraging renewable energy production.

*** Outcomes of the project (Max 250 words)**

By purchasing the RECs, USF we will continue to be an EPA Green Power Partner. This partnership provides expert advice, tools and resources, credibility, and publicity and recognition. • USF Tampa campus carbon footprint will be effectively reduced by 13%. • Students will have the opportunity to learn about REC's and Carbon Offsets through publicity and participation in the process. • USF will continue to be listed as environmentally conscious university who is actively working on GHG reduction. • We were the first University in Florida to purchase RECs; we will continue to lead by example.

* Annual Energy Savings	0 kWh
Annual Cost Savings	\$0.00
Return of Investment in %	0.00
Annual Green House Gas Reduction	0.00

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

The requested fund in this proposal will be able to purchase RECs and COs that are valid for one year. In order to ensure that we meet our GHG emissions reduction targets, USF will continue the number of energy conservation programs, energy efficient technology implementations and renewable energy projects that have been ongoing over the past several years. As more projects on campus are completed, industry partnerships are built, improvement on solar energy policies are passed, and the reduction in cost for low impact technology, we propose that we use RECs and COs to aid in retaining our 13% reduction rate to meet our 2015 goal. With our next interim milestone emission-reduction target of 20% by 2025, it is important to cost effectively utilize funding that will impact GHG on campus.

Section 4: Workplan and Budget Details

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

The purchases of the REC's and CO will take place on open exchanges with their respective market places. If this project is funded The purchases will be within 2 months of the funds being dispersed.

*** Budget breakdown**

Category	Request from SGEF	Applicant contribution	Total
Personnel (include all involved)	\$2,000.00	\$0.00	\$2,000.00
Equipment	\$0.00	\$0.00	\$0.00
Supplies/Materials	\$0.00	\$0.00	\$0.00
Contractual	\$0.00	\$0.00	\$0.00
Construction	\$0.00	\$0.00	\$0.00
Other (specify in budget justification)	\$71,000.00	\$0.00	\$71,000.00
Total Project Cost	\$73,000.00	\$0.00	\$73,000.00

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

The funds will be utilized to finance the purchase of RECs and Cos. Time spent for purchasing and allocation will be the only other cost. If this proposal is approved, we plan to execute the project with one to two months period.

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