

USF Student Green Energy Fund Council



Friday, July 21, 2017 – SVC 1073

Time: 3:00 pm – 4:30 pm

Meeting Minutes

In attendance:

Council Members (In alphabetical order)

Benjamin Carr, Nadeem Freajah, Nainan Desai, Tony Lourenco (substitute for Barbara Bushnell), Raymond Mensah, Sara Hendricks (Alternate), Aladdin Hiba, Lauren Monti, and Harold Bower (Chair)

Absent: Kebreab Ghebremichael, Chauncie Bigler (Alternate), Barbara Bushnell, Sujit Chemburkar, Robin Rives, Travis Malott, and George Philippidis

Observer(s): Melody Rainey, Gidi Hendrix (Observers)

First Order of Business:

Previous month meeting minutes were not voted on due to a lack of quorum during the May 2017 SGEF Council meeting.

Financial Update:

Cash balance as of 7/01/2017 is \$2,819,455. Active Projects RSA - prior year awards (\$2,689,117), Active Projects RSA - FY 17/18 awards (\$0), projected operational expenses (\$37,387) and the total projected expenses of (\$2,726,504) brings the projected available cash to \$92,951. The FY 2018 estimated fee collection is \$1,026,477. The 10% contingency (\$102,648) and a 5% reserve of (\$51,324) brings the projected available cash to award in FY 2018 to \$965,456.

Any unused funds from projects will be returned to the SGEF in FY2018.

The council asked if uncollected matching funds promised by departments for certain projects could be returned to the SGEF. The SGEF cannot confirm whether these funds are being used towards projects because the departments pay the vendors directly. The council discussed adding to the bylaws the requirement for the departments to make their contributions towards the projects before the SGEF starts funding the projects to ensure the matching funds are being used.

Public Comment

John Pilz would like to add signage to the Tree Planting PH 2 project funded by the SGEF. The council agreed and the signage will be added by project's Principal Investigator.

Discussion

- **Bylaws**

A recommendation to set up a revolving SGEF fund for project savings was discussed. Each project is unique and has variables. The savings for each project may be difficult to calculate depending on the type of project. A yard stick will need to be developed. The council will continue discussions on how this can be incorporated into the bylaws.

New Business:

- **Collins Garage LED Lights Proposal**

With funding from SGEF, this project will provide 487 light fixtures to the Collins Parking Garage. The light fixtures currently in use will be replaced with new fixtures that are scientifically proven to last longer while costing less to maintain. The lights and the fixtures that are replaced in good condition will be recycled by Parking and Transportation (PATs). PATs will maintain and fix any of the LED lights that break after this project is finished, and PATs will have full responsibility for the maintenance of lights and fixtures. This project is requesting \$303,094 from the SGEF with another \$20,000 matching funds from PATs. PATs agreed to contribute the matching funds first.

The council requested that 50% of the actual (measured) energy cost savings from this project will be returned to the SGEF for the next 5 years, PATs agreed to do so.

Council voted and approved the proposal.

- **HVAC iBar Technology Project Proposal**

Outdoor air introduced in the space requires heating and cooling continuously to remove humidity from the air. This project proposes to provide building code required outdoor air through introduction of ionization technology. Building interiors emit VOC (volatile organic compounds) which are harmful to health. To sufficiently dilute VOC's for the air to be safe ASHRAE (American Society of Heating, Refrigerating, and Air-conditioning Engineers) has established standards of outdoor quality. The project will be implemented through normal USF construction process of project management which includes, design, bidding, permitting, and installation. The expected time frame for the project of all 10 air handling units is 9 months as it requires shutting down air handling units. The shutting down of air handling units can be done only during periods of low or no occupancy.

In collaboration with Environmental Health and Safety, Facility Management, and Building Code Official a pilot project of Ionization (iBar) technology was applied to the sixth floor of USF library

HVAC units (2) to reduce VOC's which in turn permitted reduction in outdoor air per Florida building code. This in turn reduces the carbon foot print, cooling and heating loads, and the energy cost. The USF Library is a seven story building served by 12 air handling units. The sixth floor has 34,342 gross square feet served by two air handling units. These two air handling units were retrofitted with iBar technology with data logging for before and after, and for VOC's and CO2. The results successfully demonstrated a reduction in carbon foot print through use of iBar technology.

The installation of iBar technology is expected to reduce the carbon foot print by 46 eMT through the reduction of 60,462 kWh of electricity, and 661 therms of natural gas, resulting in an approximate annual savings of \$51,670. In addition to the above, iBar technology also keeps the cooling coil clean. It improves indoor air quality for the building occupants by reducing VOCs, odors, destroying bacteria and virus, and better filtration. Indoor air quality is important because students spend several hours studying indoors. Additionally, there is a benefit expected from innovation credits in the next STARS report. iBar technology also helps in controlling static electricity.

The project is requesting \$64,990 with Facilities Management in agreement to maintain the project equipment after completion of the project and contributing \$10,000 in matching funds.

Council voted and approved the proposal.

Activities Updates

- None

Announcements

- **Student Council Member Lauren Monti**

This was Lauren Monti's last SGEF council meeting. Lauren has been a key member with the SGEF on both the St. Petersburg and Tampa campuses. The rest of the SGEF council members appreciate all her hard work and wish her well in her future endeavors.

- **Neutralize Bull Gas Resolution**

The Neutralize Bull Gas resolution was passed by Student Government. Tabling and marketing will be organized to promote the Neutralize Bull Gas.

Meeting adjourned at 4:18 pm.