

USF Student Green Energy Fund Council



Friday, October 20, 2017 – SVC 1073

Time: 3:00 pm – 4:30 pm

Meeting Minutes

In attendance:

Council Members (In alphabetical order)

Kebreab Ghebremichael, Nainan Desai, Barbara Bushnell, Sujit Chemburkar, George Philippidis, Chris, Marks (Alternate), Aladdin Hiba, Lynecee Romelus, Drew Templeton, Robin Rives, Gviana Goldberg, Brian Mwaliko (Alternate) and Harold Bower (Chair)

Absent: Raymond Mensah and Maria Rodriguez

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

First Order of Business:

Previous month meeting minutes approved.

Financial Update:

Cash balance as of 10/16/2017 is \$2,779,070. Active Projects RSA - prior year awards (\$2,176,037), Active Projects RSA - FY 17/18 awards (\$415,483), projected operational expenses (\$27,823) and the total projected expenses of (\$2,619,343) brings the projected available cash to \$159,727. The FY2018 estimated fee collection is \$552,079. The 10% contingency (\$102,648) and a 5% reserve of (\$51,324) brings the projected available cash to award in FY2018 to \$557,834.

Public Comment

None.

Unfinished Business:

- None

New Business:

- **New Council Members Introductions**

New SGEF Council members were introduced for the 2017/2018 year term. The new members are Chris Marks (staff/faculty alternate), Lynecee Romelus, Drew Templeton, Gviana Goldberg, Maria Rodriguez, and Brian Mwaliko (student alternate)

- **Thermal Energy Storage Project – Additional Budget Request**

The thermal energy storage system project was delayed due to design changes and then due to the cost constraints. Considering the size of the tank (3800 Gal) and temperature (~100 °C) of the fluid, the subcontractors were not willing to take the risk of installing a non-pressurized tank. The cost of the pressurized tanks was way above the initial design budget of the thermal energy storage (TES) tank. Several design configurations were considered, but the corresponding quotations were significantly above the originally budgeted amount of \$65,000.

After numerous design iterations, the best quotation received was \$116,743 including construction; this is reasonable as some of the quotes were over \$280,000. From the initial budget of \$90,000, a controller worth \$7,128 had to be purchased and installed. Due to the numerous design changes, the student salary was above the budgeted \$10,000 for the past 8 months. The remaining balance is \$63,389.42. Therefore the budget deficit for the new design is \$53,353.58.

The Research and Innovation maintenance fund has agreed to provide \$10,000, and the Clean Energy Research Center (CERC) will pay for the student salaries during the rest of the project. Accounting for this aid, the remaining deficit is \$43,353.58.

The council requested more information on the following:

- Budget calculation adjustments to reflect actual amount needed
- Number of quotes provided from contractors
- The design engineer and third party
- A maintenance agreement letter of commitment
- Annual report of the project

Council postponed voting on the project to via email after receiving requested information

The SGEF received an additional item not included in the agenda. The council voted to approve hearing the next item.

- **CPH Cool Roof Project Summary**

Cool Roofs, also known as Reflective Roofs can prove to be a cost effective way of saving energy and meeting sustainability goals for a building. Analysis for this project of re-roofing for the CPH (College of Public Health) building on campus is carried out to produce data relevant to the trade-off in up front, laid in costs to use a white surfaced roofing product Derbicolor GP FR CR (Cool Roof) versus the standard darker gray surfaced product. CPH roof replacement is already a funded project and only the incremental cost to provide the roof layer is needed. A cool roof would reflect more sunlight (high reflectance) and release more absorbed heat (high emittance) than a standard roof, resulting in a cooler roof and building and eventually lead to reduction of the carbon footprint and energy as well as cost savings.

DerbiColor GP-FR-CR is an ENERGY STAR qualified roofing system and can help to reduce the amount of air conditioning needed in buildings and reduce peak cooling demand by 10-15 percent. The expected time frame for the completion of re-roofing is 6 months. Facilities Management has agreed to maintain the project roof layer in the future.

Council agreed to let the project summary move forward to proposal

Activities Updates

- **USF Carbon Offset Foundation Fund 590082**

The Neutralize Bull Gas project set up a foundation fund for students and faculty/staff to donate money to purchase carbon offsets. The fund (USF Carbon Offset fund 590082) was established and needs to be marketed. The foundation fund link will be available on Parking & Transportation's website starting November 1, 2017. Other marketing idea strategies to promote the fund are welcomed. About \$2,500 has been set aside in marketing funds through the SGEF.

Announcements

- **None**

Meeting adjourned at 4:14 pm.