

## **Clean Energy Committee Hearing Wednesday May 18, 2016 1:15-3:30PM**

Introductions of the CEC

Budget Update

### **Visualizing Carbon**

Presented by Matthew Strickland

Fully Funded for the \$150 to purchase a weather balloon

Balloon will be owned by Student Activities

This group still needs a signature from Student Activities, but they have a letter of support from E.J. Zita.

### **Hydration Stations**

Presented by Alexander Butler

Materials received from Jaymie Lacina, Assistant Director of RAD Facilities

The students of RAD Facilities will be working to install these stations

Funding for signs accounted for, this portion is over budget and the summer CEC chair, Rhianna Hruska, will work on a sign that will be put onto CEC projects so that the signage is consistent

Indoor hydration stations will be installed over summer with RAD Facilities

Indoor versus Outdoor hydration station models

Elkay models can apply for a statewide incentive so the costs could be cheaper

-contact Scott Morgan

Water is shut off near the Thunderdome over the Winter

\$9000 to cover the indoor fixtures and signage

Fully Funded

### **Bicycle Fix-It Station**

Presented by Liz Flynn

The Evergreen Bike Shop

Liz is a coordinator. Six students from The Evergreen Bike Shop in attendance for the presentation.

Hoping this will build community as well as encourage students, staff, and faculty to use bicycles to commute

This station could align with the Clean Energy Committee's mission and The Evergreen Bike Shop's mission.

Bike Stand would allow 24-hour access for students, staff, and faculty to fix their bikes whenever they need to.

One station by the Housing Community Center and the other one is between C and D dorm in freshmen housing. These are operated by RAD Facilities.

The Bike Shop is staffed by volunteers and funded by Student Activities.

Open to a workshop to show students how to use the fix-it station.

Information on how to use the fix-it station

Addition to budget for CEC signage

Plan for whether the tools are stolen or when they wear down.

The Evergreen Bike Shop is able to access discounted prices for these tools.

The Evergreen Bike Shop will be able to maintain and keep an eye on the fix-it station.

Question on whether a roof or walls will be included in that space

-It would be phase 2 of the project

Still working on lighting for the station as well

Fully Funded for the Fix-It Station for The Evergreen Bike Shop

\$5,485 plus \$150

Housing Community Center Native Forest Garden

Presented by: Caroline App

Working through the Terroir program and RAD Sustainability Lead, Joe Clevenger, is Caroline's supervisor throughout the project

Would allow people to learn more about Food Forests, especially if they are unfamiliar with the topic

Timeline: hoping to use the funds and finish this project by the end of Spring Quarter 2016

Fully Funded for \$200

Letter of Support from Sharon, project will be through RAD

## **Energy Dashboard**

Presented by Joe Clevenger

This particular system was chosen for the energy dashboard, which is a user interface that allows people to interact with the system.

Intuitive to use

Mod 302 has the photovoltaic solar panels

Mod 303 is the Sustainability-Themed Mod for RAD Housing

Series of goals:

- subgoals: how much electricity these Mods are consuming in total and how much the panels are contributing
- could give this information to upper campus, like the Sustainability Office
- could be used to further understand energy management systems on campus
- Energy Detective would be the group that the energy system would be purchased from
- Primary Goal: educate students about the invisible resources that they use every day
- Plan is to set up a page on the RAD Sustainability Blog for the information to be available

The budget includes tax and shipping

Time frame: Two Months

240 Volts, 100 Amps coming in to each Phase

The system can handle 400 Amps

Current clamps for the incoming main cables

Would an app be available for campus so campus community members can view this data

Fully Funded for \$2500

### **Practices of Organic Farming - Organic Farm Stand**

Presented by Marguerite Abplanalp

Establish a farm stand at the Organic Farm on campus

Program is broken down into sections and the one here is the Marketing group

Provides an opportunity for student learning for current and future students

Students in the program will be building the stand

Would provide a reason for people to come to the farm

Helps make the connection between where food and grown and purchased

In organic farms outside Evergreen, farm managers communicated to the students in the program that their farm stand accounts for almost a third of the budget

Stand on Red Square would continue

Would not be saving money in that way

Timeline: aiming to get started during the summer

Building permit would need to be acquired from the county

Uncertain where the solar panels will be coming from

Needs to hear back from CLUC about whether this will be approved

Recommendation to have the students in Practices of Organic Farming to meet with Rich Davis

Motion to fully fund this project with the stipulation that CLUC will need to approve this project and with the understanding that this project is a placeholder since details are not set and the design is only a draft.

\$6, 174 Funded

### **Solar Monitoring Display for Public Awareness**

Presented by Matthew Booth and N. Diems Haffner-Ratliffe

Work over the summer

Library solar array cleaning over summer

This solar array was installed in 2009

Link to display the solar energy production from both arrays to the kiosk and display it for all of campus, set up in the Library building

8 Week Summer Undergraduate Research Fellowship for Matthew Booth and an ILC for N. Diems Haffner-Ratliffe

Puget Sound Solar provided guidelines for cleaning procedures and how often to clean the library array

Research will be presented at the Summer Undergraduate Research Fellowship presentations in Fall Quarter

University of Washington, Tacoma has a display with the energy usage of every building

Sunny Boy kiosk screen would have been very expensive

Fully Funded for \$2600

### **Organic Farm Walking Tractor**

Presented by: Connor Murphy

Acquiring a second walking tractor on the farm would allow for more students to use this tractor  
-especially for Practices of Organic Farming

Reduces compaction since a walking tractor is lighter than a regular tractor

In Practices of Organic Farming, they are working with a book called The Market Farmer

Would allow for the reduction of tillage

Fully Funded for \$7, 689

CEC Operational Budget

Approved with Quorum