Chancellor’s Campus Sustainability Committee Meeting

Friday, March 13th, **10:00-11:30 AM** in Cheadle 5123

**Attendance:**

**Voting Members:**

Pam Lombardo, Bruce Tiffney, David Auston, Nicholas Frey, Alex Regan, Karly Miller, Mark Brzezinski, Roland Geyer, Constance Penley, Alexandra Ballinger

**Absent voting members:** Britt Ortiz, Mel Manalis, Eric Matthys, Denise Stephens, Igor Mezic

**Absent Advisory Member:** Rachel A. Segalman, Alan Heeger,

**Other:** Shelly Leachman, Jewel Snavely, Kate Parkinson, Emily Wood, Bill Shelor, Marc fisher, July Cohen, Ian Creelman, Stephanie Harris

**10:05-10:10 Announcement:**

1. UCOP visit and CSC meeting – 4/15 (Jewel) –Is there any feedback I should give them about topics you would like them to present on? No input was given.
2. Amtrak surf liner to UCSB – Bill shelor ----- SB has 25 million to try to come up with a commuter rail from Ventura and they are working with Amtrak to retime the surf liner to arrive at the appropriate times for work. Now we need to come up with a plan to get commuters from the station to UCSB. Pam offered to help Bill Shelor out with this. **Suggestions:** a community bicycle project would be a great solution……… We could add a question in the Transportation survey.

**10:10-10:15 Minutes:**

1. Review meeting min. from January (Bruce) ------- Approved

**10:15-10:25 Updates:**

1. Sustainability Budget (Bruce) ----- We are coming to the end of our three year budget that was tied together with shoe strings for sustainability. Conversations have been started with the appropriate people to get a permanent budget but no one has stepped up yet. We have been funded for the next 6 months and in the meantime are working on a plan for establishing an office of sustainability. As budget discussions move forward we will update you.

**Comments:** Now deploying LRDP and this helps our argument for a secure budget and structure.

1. Food from the Sea (Katie) ----- We partnered with Chris Costello to host a 2 day conference that brought in around 60 attendees. We had presentation throughout the day from UC faculty researchers, which were received very well. We also had Lightning talks at the end of the day to hear from community members. The second day we had 17 Researchers from across the UC system joined us to explore potential collaboration. The goal of the group is to come up with a published paper and grant proposal for research collaborations (Did get $100,000 for this)

Everyone is very motivated to move forward and we will be meeting again in September.

1. Climate Leadership council meeting (David) ------ Janet has given us $200,000 dollars to develop a data base for energy efficiency projects, $20,000 for conference in fall with ten campuses and three national labs, and $5,000 for a workshop on the water energy nexus with the department of energy that will be held at Irvine. The conference will focus on how energy and water departments can work together to achieve savings. She also has provided funding for interns that have joined our team. At end of the dinner she said tell me what you need, so we are working on more proposals.
2. CHESC best practice award submittals due (Katie) -------- Due on March 20th. We have reached out to key campus stakeholders to put applications together which are awarded by UCOP and given out at CHESC. It is likely that the president will be at the event.

**10:25-11:00 Presentations/Discussion:**

1. Kate Parkinson and Emily Wood UC Global Food initiative Fellows are working on a project focused on reducing food waste in the dining halls. The project uses behavioral psychology to try to determine the best message for change. The project will look at Food waste during the brunch periods at DLG and Portola. They are currently in the process of developing the baseline weight for food waste and in Spring Quarter they will start using messaging, and will measure the effects on post-consumer waste.

Signage: Done several walkthroughs and will have 8 signs with permanent message around plate return…..

**Discussion/questions:**

Does it make sense to set it up as a competition? We had thought about this but decided to keep it simple to really focus on messaging. Also wanted make it easily to replicate.

How are you switching from EVS messaging and other messaging? Leaning more towards an experimental design of using social validation…..

It would be interesting to compare our campus to a campus like UCSD that doesn’t have all you can eat and see who has more food waste.

1. OE Energy Management Initiative preliminary findings (Bren Students) - Ian Creelman, Stephanie Harris

Pilot program in GGSE, SSMS, and PSBN – department will receive 50% of their energy savings. In GGSS we focused on individual behavior and building approaches, we also held competitions between different floors in the building. We used Posters and email reports with socially normative messaging to encourage behavioral changes. We also gave out post cards that could be hung on the wall to those who committed to reduce their energy use.

Building approaches – we found some inefficiency in the building so we adjusted heating and lighting accordingly. GGSS reduced energy use on average about 6%. We targeted three specific behaviors, lighting, space heaters, and computers – relative easy behavior and save energy….

SSMS ---Identical messaging but didn’t include financial incentive information ----- didn’t see that much difference in savings however this could be because GGSE hasn’t yet received the financial incentive…..

PSBN --- monthly emails, printed messaging, collaborated with labrats to administer sticker information on equipment. Wanted to address ventilation system but couldn’t. We optimized settings for HVAC using setbacks. If you increase nightly set back by one hour and saves $8,000 annually. We saw a 2.5% savings for this building.

The average reduction for all buildings was 4.9% (metering), 4.3% (modeling).

For roll out campus wide to be cost effective we would need to see a 2.5% reduction. We think our savings were conservative because the three buildings this was piloted in were already pretty efficient.

Costs to implement would be $100,000, would save $260,000 annually (with for 4% reduction), which could be reinvested. This would save 700 tons CO2/year. In terms of replacing this energy savings with solar it would cost around 5 million…………

**Discussion/Questions**

Space heater issue --- do you have data on actual use… Did pre-walk through in June then walk through in winter so we didn’t get the exact numbers…….

You mentioned that if this was rolled out campus wide it would be more cost effective then solar. Yes, if you do solar without PPA you have very high upfront costs.

Do the savings include the incentive funding? Yes, without it would be $130,000

During year two should we stick with the current three buildings to see if the incentive increases savings? Yes but I would also scale up the pilot and look at a wider amount of buildings.

1. Rachael Rouse --- Survey Data GFI

Rachel is working on food insecurity and is looking into the economic or social conditions that limit access to adequate and appropriate foods. 3,000 students have visited the UCSB food bank since it opened, 14% of UCSB students skip meals (UQ survey). When the food bank was first opened we served 30 students a day, now we are servicing about 15% of student population. We are trying to expand on UCUES data to launch a state wide survey which will be using the USDA food insecurity module (set of tested questions). The survey should clarify causes and outcomes of food security and provide some statics. We are partnering with ACHA and NCHA to give out the survey. This will allow us to attach food insecurity to health data.

The particular survey I will be working on is a campus food pantries program evaluation. The goal is to determine best practices, identify gaps in service, gain insight from students most affected, and evaluate current success. The survey will go out spring quarter.

Marc mentioned that he will be following up with the food bank about space issues and refrigeration.

**11:00-11:30 committee Updates:**

1. Alternative Energy – David Auston
2. Coordination – David Auston\* -------- Hope to be working with the Bren school on two new projects, road map for carbon neutrality and a communications outreach plan. Also developing a proposal to go outside to obtain some support from a foundation for what we attend to do on this campus. Now we are just waiting for the Bren proposal decision. We have been focusing mostly on the carbon neutrality initiative but intend it to work with all initiatives and coordinate with communications.
3. Built Environment – Marc Fisher/Jordan Sager
4. Communications – Jewel\*

We are working on signage for Reunion and on new videos.

Save the date: food forum save the date April 15th, Climate forum is set for April 29th, from 3:30 to 6:00 PM

1. Waste –Matt
2. Water – Matt
3. Transportation
4. Ecoalition\* ---- Ecoalition has held a town hall meeting and during earth day will have a table.
5. Academic working group\*
   1. Continuing to discuss potential for GE requirement and are working
   2. Developing a proposal that has potential for adoption.
   3. Currently reviewing Graduate student intern proposals.
   4. Awarded one green leaf grant to John Foran.
   5. Today we will be making final decision on sustainable Champaign