Chancellor's Sustainability Committee Meeting Minutes
Wednesday, June 5th 2:00 - 3:30
Cheadle Hall 5123

Attendance: Renee Bahl (Co-Chair), Derek Musashe, Jewel Persad (staff), David Lea (Co-Chair), Henning Bohn, Garry Mac Pherson, Britt Ortiz, Mark Brzezinski, Jacob Godfrey (advisor), Roland Geyer, Sangwon Suh, Bill Shelor (Advisor),

Absent Committee Members: Igor Mezic (advisor), Alan Heeger (advisor), Kristin Antelman, Ken Hiltner, Quinn Lyon, Roland Geyer, Janet Walker, Dennis Whelan, Eric McFarland, Mo Lovegreen (advisor), Hunter Lenihan, Kristin Antelman, Kirby Bartlett,

Other Attendance: Katie Maynard, Heather Perry, Matthew O'Carroll, Amorette Getty, Jordan Sager, Elizabeth Szulc

Announcements (2:00 – 2:02):

A. CycleMaynia numbers - Katie Maynard
   4 UCSB Teams landed in the top ten in the 2019 Bike Challenge for CycleMAYnia

Update (2:02 - 2:09):

A. Annual Sustainability Report to the Chancellor - Jewel Persad
   Draft - summer 2019
   Review by CSC - fall 2019
   Outline:
   - Cover Letter
   - Budget
   - Campus Surveys
   - Awards and Recognitions
   - Community Engagement
   - Sub reports by functional area
   - Accomplishment
   - Ongoing Initiatives
   - What's next/things in the works

B. GCLC Meeting Readout - David Lea

The most significant update at the GCLC meeting was about the clean energy optimization pilot. It is a new version of the Strategic Energy Partnership (SEP). With the SEP you only got incentives for better then the building code energy savings. UCOP worked with the CEC to get a program started that incentives campus meter level carbon savings. The PUC has approved this new program, we are just waiting for program details.

We also heard and update on electrifying Transportation at UCSD and UCI, and had a discussion on role of offsets within CNI. The discussion was focused around the metrics used to evaluate offsets. Wendall Brase presented a proposed policy to address scope 1 emissions. Wendy Pulling, the new director of sustainable investment at UCOP gave an update on sustainable investments.

Minutes (2:09-2:10):

A. Approve Meeting Min. from May - Renee Bahl – approved

Committee Updates (2:10 – 2:25):

A. Procurement - Sangwon Suh and Heather Perry

We did a spend impact analysis for Residential Dining to better understand the environmental footprint of food purchases. We wanted analyze campus wide spend but there wasn't good data. 2/3 of GHG emissions are embedded in the products we buy. Currently Carbon neutrality goals do not measure this, but it is still very important.

Our dinning commons have great spend data that we had access to. We are spending 6.5 million a year on food purchases. We spend the most money on poultry and meat. Based on our analysis about 8,240 metrics tonnes of GHG emissions are associated with our Residential Dinning food purchases.

The hope is that we will be able to use the results of the project to provide information on the carbon and toxic footprint of food options in each dining commons and see if this influences student behavior. It would be great to use the information gathered to design low impact menus.

Update on new tools under development to help achieve Policy Goals

Ecovadis – addresses supply chain. It is a shared cloud based assessment. The assessment are industry specific. Ecovadis focus on 21 different issue areas and produces a score card for each supplier. We currently have 78 of our strategic suppliers who have gone through this and shared their score. HP is best scoring supplier and UBER is the worst scoring.

UCOP is using this in strategic sourcing. For any new contracts, they have to go through the process to get a score. The ultimate goal is to use the scores in our selection process.

We are currently assessing the Ecomedes tool.
It is a 3rd party tool that can:

- Assist buyers in complying with UC's Green Spend targets

- Easily integrate into buyers' current workflow
- Save time
- Measure and track environmental benefits and cost savings
- Allow for easy reporting

Presentation and Discussion (2:25 – 3:20):

A. Green Labs Action Plan Feedback Discussion (15 min) - Katie Maynard

The Academic Senate feedback seemed to challenge our approach of sticking to no to the low cost projects and supplementing with small grants. Based on Academic senate feedback, should we ask for more funding?

Discussions and Comments

It would be great to formalize some incentive program for efficient lab equipment replacements.

There is no formal process for requesting support, so I wouldn't know who to make that request to. We just don't have a budget process like this on our campus. We recommend you continue business as usual while exploring opportunities for additional funds.

How does any entity on campus get new funding, who officially approves that? It goes to council on budget and planning. But we typically just get program continuation funding.

For Marine Science, our control point is the Office of Research, they will decide if they support the funding request, if they do and have the money, they fund it, if they don't have the money, they go to EVC.

Recommend looking at what the low hanging fruit is, if you were to have more money and to bring cost/benefit analysis back to the committee.

B. SB Strategic Energy plan- Alelia Parenteau (40 min)

Slides available here

In June 2017 the City Council passed a 100% renewable electricity goal and requested a draft work plan by the end of 2018. This draft plan is what will be presented.

With Business as usual we would achieve 66% renewables by 2030 (both municipal and community).

We did a gap analysis in the following areas:

- Local Authority
- Infrastructure
- Public understanding
- Reliability/Resiliency Planning
- Regulation Congestion
- Funding

Held internal and external stakeholder meetings focused on the following main barriers to Renewable Energy Development:

- Lack of knowledge about existing energy programs.
- High % of rentals. Renters can't make changes and owners of rental units don't see savings.
- Perception of high cost and lack of incentives.

What is % of rentals? About 50%

We completed a Solar Siting Survey

- Looked at both City infrastructure and community opportunities
- Need approx. 240MW of solar to meet estimated local electricity need in 2030
- Max. Solar Capacity of 330MW
- Study assumes adoption of 110MW local solar

We need to couple solar with storage and to develop incentives that pair the two.

Council Priorities

- Increase grid reliability
- Enhance disaster resiliency
- Non use of renewable energy credits (bucket 3 recs)
- Promote local development
- Decrease local greenhouse gas emissions

Difference between city goal and UC goal is that our goal isn't a carbon goal.
If the goal was made today it might be a carbon neutral goal.

Five program areas of strategies were developed:

1. Energy partnerships (26%): Recommending 3 additional staff, working regionally on energy and climate issues, continue to explore community choice energy (CCE). CCE is key for one reason, it is opt out instead of opt in. So in one fell

swoop you get people onto renewables. When a city joins CCE, everyone joins but can later opt out. If you went with SCE, everyone would have to opt in. CCE would procure energy but SCE would still distribute it. If you can beat SCE rate people won't opt out, and whatever you charge extra you can use for incentives. We can also have feed in tariffs to incentives overbuild of personal solar.
If you were a muni you would have to buy a distribution system and it would cost a billion dollars and take years. This currently isn't an option.

Renewable energy will have to be coupled with storage.
In Goleta they are looking at large battery storage instead of a peaker plant. PUC did also approve a battery storage project in Oxnard.

2. Administrative policies and Procedures.
    a. Streamline permitting process for energy measures – some people don't want to deal with getting solar because of the permit process
    b. Explore a local reach code
    c. Expand building efficiency scoring – benchmarking is a new industry standard. Associated with energy reductions more so then renewable energy.
3. Funding sources and finance incentives.
    a. Develop finance program for solar + storage installations, energy projects
    b. Explore and develop zero or low-interest financing program.
4. Municipal pilot project
    a. Maximize City Infrastructure as a Resource
    b. Energy measures & micro grids at municipal facilities
        i. Combining multiple meters is still pretty challenging.
    c. Pursue community solar
    d. Create smart energy zone
        i. Think of a living lab, use area as test bed for technology, campaigns.
5. Community Engagement Initiatives
    a. Doesn't get a whole lot of electrons but gets buy in for all other programs. This is a big part of achieving this goals.

Next steps

- Finalize strategy
- Develop budget and funding mechanisms
- Present final plan to council
- Implement

Want to get together with school district and University so everyone (students) know about this initiative. Interest in fostering local tech and deployment.

What about the budget? $500,080 for staffing to get program running. Solar would be PPA, so no upfront costs. The $500k would be distributed throughout the budget, water is 55% of municipal electricity use so half would come from water utility fund.

Are individual departments metered? Facilities are metered and we allocate based on square footage.

Is there a plan to go back and look at coastal commission zone? No, one of our biggest sites is water zone and Coastal commission said no way.

Has it been proposed to inject air into natural gas wells? No, also natural gas fight here is real, we have one of the biggest fields locally.

Other Updates (3:20 – 3:30):

Thanks for a great year.