

November 23, 2021

Carbon Fund Micro Voting Committee Meeting

Representation	Name and title	Attended?
Faculty	Yihsu Chen (staff)	No
GSA	Julia Cheresh (student)	Yes
Enviroslug	Kiran Favre (student)	Yes
Procurement	Kathleen Rogers (staff)	Yes
Physical Plant/Energy Staff	Patrick Testoni (staff)	No
PoCSC	Chris Lang (student)	Yes
CNI/SO Rep	Tina Mathrani (student staff)	Yes
CF Coordinator	Kiaya Moser (student staff)	Yes
CF Coordinator	Kate Battaglia (student staff)	Yes
Non-voting Members		
Sust. Office Director	Elida Erickson	Yes
Sust. Office CF Manager	Ellen Vaughan	Yes

Agenda:

2:45pm - 3:00pm: Kiaya

- Introductions: Name, pronouns, position, and plans for Thanksgiving Break?

3:00pm - 3:15pm: Ellen

- Budget
 - \$120,444 to spend this year
 - \$407,844 in requests
- Grant Timeline
 - Micro meeting 11/23 (1.5hrs)
 - Macro meeting time - poll to send soon!
 - Send out in a week or so -- early winter quarter

3:15pm - 4:15pm: Kate

- Committee deliberations: micro projects
 - Please state any conflicts of interest for the committee to discuss before deliberating on any proposals
 - Partial funding is allowed
 - Approving projects “contingent upon” is allowed
 - Grantee presentations are allowed
 - [CF Committee Voting Matrix \(Fall 2021\)](#)

Micros:

1. [Cal Teach E-Bikes Project](#)
 - Are there supply chain issues w/ eBike now?
 - What’s the additional CO2 Reduction of eBike? How do you *really* calculate GHG? And *additional* GHG reduction.
 - Is it the CF’s job to keep funding eBike? Is there a more centralized approach we should take?
 - Yes- a Fleet organized eBike fleet - but that is years out
 - These projects can be a test case for how that is run
 - If an eBike(s) was available, there would be genuine interest and use
 - VOTE: Yes - 1 eBike/half request

2. [CBB Faucet Replacement](#)
 - Issue of wasting new faucets--CBB is brand new building, these are already to code. Is this the best place on campus to save the most water?
 - Ken Rector in Plumbing can identify locations with older faucets and better savings.
 - What is the donation/waste process? What will happen to the old faucets?
 - VOTE: No

3. [FarmFuture](#)
 - Who will be performing the labor? How will they allocate and intend to pay for it?
 - Problems arise if we are paying them as independent contractors
 - If this is through Career Center, then problems don’t arise
 - Establishes internship and good water savings/conservation
 - VOTE: Yes
 - Contingency - funding of labor

4. [IMS E-Bike Fleet](#)
 - Talk with TAPS, etc. about having mass eBike fleet, but who knows when it will happen?
 - Huge resource/infrastructure commitment from those departments to get that project started and maintain it
 - Not a lot of transportation available between the two areas (both undergrads and grads)
 - Buses often get full, little buses as well
 - VOTE: Yes

5. [IoT Connected Campus Energy Monitoring \(Science and Engineering Library and Natural Sciences 2\)](#)
 - Yihsu wants to see a control group/experiment
 - It would be nice to have the data to be publicly available
 - Who would look at this data?
 - If we add this as a contingency, what would be the importance of it?
 - Do not require
 - Is there any surveillance issue?
 - Data is collecting temperature and occupancy - not personal
 - VOTE: Partial funding

6. [LiFi GreenHouses: A Visible-Light Enabled IoT Approach for Energy Savings, Water Efficiency, and Healthy Food Growth in UCSC Glasshouses](#)
 - What are they doing with the equipment they've been using? Want to hear from applicants
 - **Include on CF Application for next year--what will you be doing with any waste/replaced parts associated with your?**
 - Revolves around food justice, ENVIS/CSE student involvement
 - VOTE: Yes

7. [Replacing 2-stroke Engines with Electric at the UCSC Farm: Weed Wackers](#)
 - CF has funded many similar projects before
 - Great to move the campus in this direction
 - Large environmental impact
 - VOTE: Yes

8. [Solar power for teaching and research use on the Natural Reserves](#)
 - Project is light on details--wanting more answers
 - It may not have huge impact but is a great display for participating students to see UCSC's commitment to sustainability
 - Helps with data collection and field courses
 - Electrical power can make students feel more comfortable--accessability and inspires outdoor comfortability
 - VOTE: Yes

9. [UCSC Sustainable Transportation Video Series](#)
 - In comparison with other projects, doesn't have direct savings/impacts
 - Revised application from last year
 - Large portion of application is to buy equipment--equipment can be rented
 - We like the output but equipment purchase is questionable
 - Funding for student labor but a lot on equipment
 - There are avenues for them reaching out to Film and Digital Media
 - VOTE: Partial - no equipment

10. [Uncrewed Aerial Vehicles \(UAVs\) To Monitor Heat Loss On Campus](#)

- Patrick says drones are feasible
- How will drones be passed on? Will it be short use or will it be passed on after graduation
 - What happens when student graduates?
- How will data be used? How will it be shared w/ campus? What is the longevity of the data gathering?
- Drone attachments and technology available
- Contingent upon confirmation of its end of life (ownership of Engineering dept, Energy dept, or Surplus)
- VOTE: No