

December 2, 2024

Carbon Fund Macro Voting Meeting

Representation	Name & Title	Attendance
Faculty	Yihsu Chen (staff)	No
GSA	Dani Klawitter (student)	Yes
Climate Coalition	Nicole Macgaffey (student)	Yes
Procurement	Kathleen Rogers (staff)	Yes
Energy Analyst (Physical Plant)	Jessica Keast (staff)	Yes
PoCSC	Amanda Moreno (student)	No
CNI/SO Rep	Noah Sherod (student)	Yes
SUA	Not filled	N/A
CF Coordinator	Amy Fuller (student staff)	Yes
CF Coordinator	Halle Bohlig (student staff)	Yes
Non-voting members		
SO Staff	Ellen Vaughan	Yes
SO Staff, CF Manager	ileana Brunetti	Yes

Agenda

4:00pm-4:10pm *Micro Updates*

- Micro projects have been emailed!

4:10pm-5:30pm *Macro Project Voting*

- Please state any conflicts of interest for the committee to discuss before deliberating on any proposals
 - Fleet Incentives: Halle & Ellen
 - Freezer Incentives: Noah
 - Soil Microbial Sensors and AgroVoltaics: Dani
- Partial funding is allowed
- Approving projects “contingent upon” is allowed

Pre-Screen for <u>Research</u> Applications	Points
Potential for research outcomes to provide tangible campus emissions reductions	29
Student involvement	25
Overall environmental and social justice impact and longevity	23
Regional research and collaboration	13
A good value project (more points for better value)	10
Total	100
Notes:	
The Carbon Fund Committee utilizes this pre-screen matrix for discussing research proposals	
Please note that student involvement is a requirement for research proposals	

Project Voting

Vote	Project
No	<i>Replace very old propane-fueled forklift with an energy-efficient electric forklift</i> ● Proposal to replace outdated propane-fueled forklift with an energy-efficient electric forklift. ● Key considerations: ○ Detailed, itemized cost analysis. ○ Step-by-step plan for outlet installation.
Undecided as of 12/02	<i>Biology Teaching Labs (BTL) H2O fill stations</i> ● Proposal to add water refill stations in Biology Teaching Labs. ● Funding considerations: ● Selective funding for high-priority stations. ● Evaluation of potential reduction in plastic water bottle usage. ● Current efforts: ● UCSC is funding a refill station on Thimann Hall's second floor. ● Identified needs: ○ One broken station in Thimann Hall. ○ No refill stations on two of the building's three floors. ● Suggested priority: partial funding for Sinsheimer Hall stations.
No	<i>Sample Electric Kitchen</i> ● Funding unavailable due to budget constraints. ● Recommendation for a pilot study on induction cooking. ● Additional concerns: ○ Neglected to include data on the GHG Calculator. ○ Budget includes labor costs for electrical and plumbing, but clarification is needed.
Undecided as of 12/02	<i>Freezer Incentive Project</i> ● Addresses financial challenges of replacing inefficient freezers. ● The Chancellor's mandate requires all new freezers to meet ENERGY STAR standards.
Partial	<i>2024 TAPS Landscaping Electrification</i> ● Proposal to begin electrifying landscaping equipment. ● Initiative recognized as feasible and impactful for campus sustainability.

Undecided as of 12/02	<i>Real-Time Soil Microbial Sensors for Climate Resilience</i> • Exploration of soil microbial sensor applications for campus climate resilience. • Applicable research related to the Carbon Fund's mission
No	<i>Welcome Week 2025 Zero-Emission Buses for Student Transportation to Target</i> • The Target Night event is not confirmed for the following school year. • Concerns with funding buses for an event that is not confirmed.
No	<i>Greenhouse Project: Ongoing Cultivation and Further Development</i> • Ongoing development and cultivation efforts noted. • Concerns raised about long-term sustainability. • Positive feedback on past successes.
No	<i>Welcome Week 2025 Reusable Water Bottle for Every New Student</i> • Uncertainty with how many students need/would use the water bottle.
Yes	<i>Fleet Incentives for Electric Vehicles Continuation Project</i> • Project is seen as practical and useful for the campus, similar to the freezer incentive. • Full funding recommended, though it may not cover the entire cost. • Partial funding will be awarded, with a return to the application process for future consideration.
Yes	<i>Reducing Methane Emissions From Landfills via Urban and Campus Composting</i> • Concern that the project lacks an immediate, implementable system. • Funding proposed for a contest to incentivize innovative composting solutions.
Partial	<i>Electric Utility Bikes for Big Creek Reserve</i> • Support for funding one electric bike as a pilot project, but limited budget prevents funding for all five requested bikes. • Positive reception for funding projects in various UCSC-connected locations
No	<i>UCSC Rocket Team Thrust Vector Control: Enabling Rocket Reusability and Waste Reduction in Space Exploration</i> • Project does not fully meet research voting matrix criteria. • Concerns that it doesn't directly contribute to reducing carbon emissions. • Positive feedback for high student involvement and interdisciplinary reach.

	● Potential alternative funding sources identified. ● Questions raised: ○ How many rockets are being lost, and how does this impact carbon emissions? ○ Is it possible to program the rockets for retrieval? ○ Similar technology may already exist.
Undecided as of 12/02	<i>Sankofa Sky Farm</i> ● Impressed by the project's historical impact. ● Questions raised: ○ What are the costs for workshops and training sessions? ○ Should laboratory research equipment be prioritized for funding? ○ Can existing equipment in ENVIS labs be utilized? ○ Request for an itemized budget breakdown and clarification of fund distribution.
No	<i>FarmFuture: Solar Panels for Clean Energy, Agrovoltatics and Greenhouse Climate Control</i> ● All campus energy which comes from PG & E is already primarily clean. ● Uncertainty about how this project would further promote clean energy.