

Chancellor's Campus Sustainability Committee Meeting Agenda
Friday, October 25 · 10:30am – 12:00pm
McCune Conference Room, 6020 HSSB

Open Forum/Introductions (10:30 - 10:32):

- Public Forum Comments

Welcome New Members (10:32 - 10:34)

- Rita Riley, Alan Grosenheider, Osmanthus Lynch, Christina Sarkees, Hattie Ellison, Katja Reinwald
- CSC Introductions

Announcements (10:34 - 10:39):

- TGIF Letter of Intent (LOI) due Nov 8th - Jewel Persad
- Central Coast Sustainability Summit Readout - Jewel Persad
- New Interim Decarbonization Policy - Renée Bahl

Approve [Meeting Min. from April](#) (10:39 - 10:40):

Presentation and Discussion (10:40 - 11:50):

- A. Clean Energy Master Plan (25min) - Renée Bahl
- B. Climate Action Plan Update Timeline (20min) - Jewel Persad
- C. 2023/2024 Annual Reporting Highlights (20min) - Jewel Persad
- D. Sneak Peak of 2024/25 CSC topics (5min) - Jewel Persad

Other Updates (11:50 - 12:00):

Attendance:

Renee Bahl

Christina Sarkees

David Pellow

Bella Ponce

Krista Fritzen

Katja Reinwald

Mia Yamagiwa

Rita Raley

Osmanthus Lynch

Trish Fritzen

Marla Greer

Jewel Persad

Katie Maynard

Alan Grosenheider

Ken Hiltner

Jennifer King

Open Forum/Introductions (10:30 - 10:32):

- Public Forum Comments
 - None

Welcome New Members (10:32 - 10:34)

- Rita Raley, Alan Grosenheider, Osmanthus Lynch, Christina Sarkees, Hattie Ellison, Katja Reinwald
- CSC Introductions

Announcements (10:34 - 10:39):

- TGIF Letter of Intent (LOI) due Nov 8th - Jewel Persad
 - Proposal feedback
- Central Coast Sustainability Summit Readout - Jewel Persad
 - Great event, 160 registered guests
- New Interim Decarbonization Policy - Renée Bahl
 - Direct result of clean energy master plan

- Not using natural gas anymore as part of major renovations and new construction- all electric
- Local to our campus, more strict than UCOP policy
- Exceptions through to Vice Chancellor of Administrative Services and the Vice Chancellor CFO of finance and resource management
- "Interim" - chance for comments before becoming final but is in full force like any other policy

Approve [Meeting Min. from April](#) (10:39 - 10:40):

- Approved

Presentation and Discussion (10:40 - 11:50):

- E. Clean Energy Master Plan (25min) - Renée Bahl
 - a. Goal to reduce GHG emissions by 90% over a 2019 baseline
 - b. Formal town halls and workshops
 - c. UCSB
 - i. Already lowest GHG UC campus
 - ii. Only UC campus with no fossil fuel burning central plant
 - iii. Mild Climate, no healthcare facilities
 - iv. UC Clean Power Program
 - v. Expansion of student housing with all-electric design
 - d. Campus Design
 - i. Small hot water loop
 - ii. ILP won 2023 building of the year
 - iii. San Benito Student Housing - all electric
 - iv. East Campus Student Housing - all electric
 - e. GHG Emissions
 - i. Scope 1: Direct emissions through natural gas consumption
 - ii. Scope 2: Indirect emissions (purchased electricity)
 - iii. Scope 3: Indirect emissions (commuting and business travel)
 - iv. Plan only looks at Scope 1
 - v. Reductions in Scope 2 from 2019 to 2023
 - f. Scope 1
 - i. Need to focus on heating and hot water - 94% of UCSB's natural gas consumption
 - ii. Hydronic system for heating and hot water
 - g. Technologies/Approaches

- i. Most efficient generally for centralized plan
 - ii. Options with/without storage
 - iii. Air Source Heat Pump, Heat Pump Chiller
 - iv. Looked at seawater, geo/lagoon but risks too high
 - v. All 6 options are cheaper compared to business as usual
 - vi. 45 year lifespan of equipment
 - vii. Heat Recovery Chillers use energy and water
 - viii. Geo-Source is costly
 - ix. Going toward all electric Heat Pumps (air-source) + Storage
 - h. Phase 0 (funded)
 - i. Central heating plant for San Benito Housing
 - ii. Hot water loop expansion and East Campus Housing connection
 - i. Phase 1
 - i. Heating and cooling network expansion
 - j. Phase 2
 - i. Additional branch piping and building tie-ins
 - ii. Central cooling plant equipment
 - k. Phase 3
 - i. Remaining building tie-ins
 - l. Environmental Justice and Equity Best Practices
 - i. Community Engagement
 - ii. Transparency
 - iii. Resources to Adapt - Training
 - m. Living Laboratory Opportunities
 - i. Higher focus on climate resilience in courses and applied learning
 - ii. Michael Mann lecture on decarbonization, continuing Arts & Lectures
 - n. Next Steps
 - i. Campus input
 - ii. Finalize plan and submit to UCOP
 - iii. Meet with Campus Constituents to review Plan and discuss recommendations
 - iv. \$300 million estimate, 2 decade plan
 - o. Pipe fitting- workers in fossil fuel industry have the skills to do this work
- F. Climate Action Plan Update Timeline (20min) - Jewel Persad

- a. Overview
 - i. 90% reduction in emissions by 2045
 - ii. Scope 1 GHG emissions set by each campus
- b. Scope 3
 - i. Includes business travel, commuting, municipal solid waste
- c. Proposed Timeline
 - i. Plan due Jan 1 2026
 - ii. Quick timeline
- d. Proposed Outline
 - i. Executive Summary
 - ii. Background and 2025 update
 - iii. GHG Emissions Inventory
 - iv. Mitigation Strategies
 - 1. Scope 1,2,3
 - 2. Climate Resilience and Adaptation
 - v. Financing
 - vi. Scenario Analysis & Conclusion
- e. Areas of Support
 - i. Stationary Combustion (Clean Energy Master Plan)
 - ii. Mobile Combustion (UC Fleet Electrification Policy and CA Advanced Clean Fleets (ACF) Regulation, TPS Fleet Plan)
 - iii. Purchased Electricity
 - iv. Business Travel (need most support)
 - v. Commuting (need most support)
 - 1. TPS Website has information on alternative transportation
 - 2. Students bike, not faculty
 - 3. Working on electric bike cages, preventing theft
 - vi. Waste
 - vii. Campus as a Living Lab (need most support)
 - 1. Direct 90% reduction
 - 2. Remaining 10% of emissions needs to be sequestered
 - viii. Climate Resiliency (need most support)
 - ix. Climate and Environmental Justice (need most support)
 - 1. No plans yet
 - x. Ideas from Clean Energy Master Plan
 - xi. Contact Jewel if interested in working on these

- G. 2023/2024 Annual Reporting Highlights (20min) - Jewel Persad
 - a. Submitting data to UCOP: Climate
 - i. Steady emissions in commuter and air travel emissions
 - ii. Significant emission reductions compared to 1990
 - b. Spring 2024 Transportation Survey Results
 - i. Alternate transportation decreased a bit
 - ii. Remained steady rate of telecommuting which helps reduce emissions
 - iii. Slightly farther commute distances in 2024
 - c. Water Goals
 - i. Increase in water use this year
 - ii. New buildings and baseball stadium added
 - iii. Lower average than systemwide
 - d. Waste
 - i. Went slightly up this year
 - ii. New resource recovery
 - iii. Changes in what could be composted/recycled
 - iv. Increase in waste diversion next year due to local changes
 - e. Food
 - i. Sustainable food spend numbers didn't change significantly
 - f. Questions
 - i. Tougher for UCSB in areas of waste and food because of geographical isolation
 - ii. E-bikes vs regular bikes? Jewel can send out data
 - iii. Storage challenges for E-bikes/E-skateboards, can't store indoors due to fire hazard, technically can't be used on campus
- H. Sneak Peak of 2024/25 CSC topics (5min) - Jewel Persad
 - a. See slides
 - b. Next meeting discuss sub-committees for the CAP Update, presentation in Feb 2025
 - c. Question
 - i. Distribution of data, raise awareness in area of travel, focus on education
 - 1. UC-wide bicycle purchase program
 - 2. Friendly competition between departments
 - 3. Virtual participation for conferences

4. Preferring west coast travel
 5. Travel grants fund carbon emissions, maybe funding for attending remotely
- ii. How will parking spaces be allocated with construction of new housing
1. \$50k/parking spot
 2. Single-occupancy vehicles are an issue, carpooling is significant
 3. Lowest fees for parking of any UC, getting pushback on raising fees
 4. Working with MTD, Amtrak
 5. Renovation with Goleta train station
 6. MTD bus line from San Benito housing, Ocean walk for faculty housing
- d. Next CSC Meeting November 20, 2024

Other Updates (11:50 - 12:00):

- a. PACES meeting, Jewel will send out email with details