

University of Connecticut

Carbon Reduction Working Group

Meeting #1

10/13/23

1881

Agenda

- Introductions
- Facilities Project Updates
- GHG Status Updates
- Student Discussion



September Board Meeting Approved Projects:

1. Fuel Cell Contracts IPB and Hilltop PPA
 - Estimated NPV assumes Inflation Reduction Act Investment Tax Credit 30% and monetization of RECs
 1. IPB: 8-Year Contract for 500 kW SOFC Avoided Costs Net Present Value (NPV) \$2.9 Million
 2. Hilltop: 20-Year Contract for 2.3 MW Avoided Costs NPV \$12.6 Million
2. Hydrogen Fuel Dispenser FO502031 and Fuel Cell Electric Vehicles (FCEVs)
 - UConn Capital ~\$2.5 Million
 - Fleet of 24 FCEVs plus Fueling Capability
3. Electric Vehicle Charging Infrastructure FO502039
 - UConn Capital ~ \$1 Million
 - Increase EV charging by QTY 18 Level 2 stations with 60% grants
4. Battery Energy Storage System (BESS) Demand Response (DR) at Depot, Law School, Stamford, and Waterbury Campuses
 - No UConn Capital Required
 - Energy as a Service Agreement (EaaS) Contract 10 Years yields Total Benefit of \$758,000
 - Existing Contract with CPower expedites project

Future Board Meeting Projects to Likely be Presented:

1. Storrs Parking Lot Solar Canopies

- UConn Capital TBD
- Pricing proposals received on 9/14/23 for 7.5MW on 11 Parking Lots, under review
- Two firms –Lot W, Lot D, Charter Oak, Lot S, Hilltop, Lot K, Lot Z, Lot Y, Horse Barn Hill Road, Lot R North, Lot J

2. Energy Savings Performance Contract (ESPC) Phase 2

- UConn Capital TBD
 1. Replacement and Upsize of an approximate 3,000 linear foot steam/condensate line from McMahon Dormitory to just before the new South Campus Dormitory
 2. Water Conservation, Building Envelope Evaluations, Steam Trap install and repairs
 3. Interior/Exterior lighting retrofit to LED technology at 44 buildings on Storrs Campus totaling 2.1 million square feet
 4. Retro-Commissioning Project for 2.87 million square feet at 24 proposed buildings
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Ongoing Energy Conservation Measures/Projects:

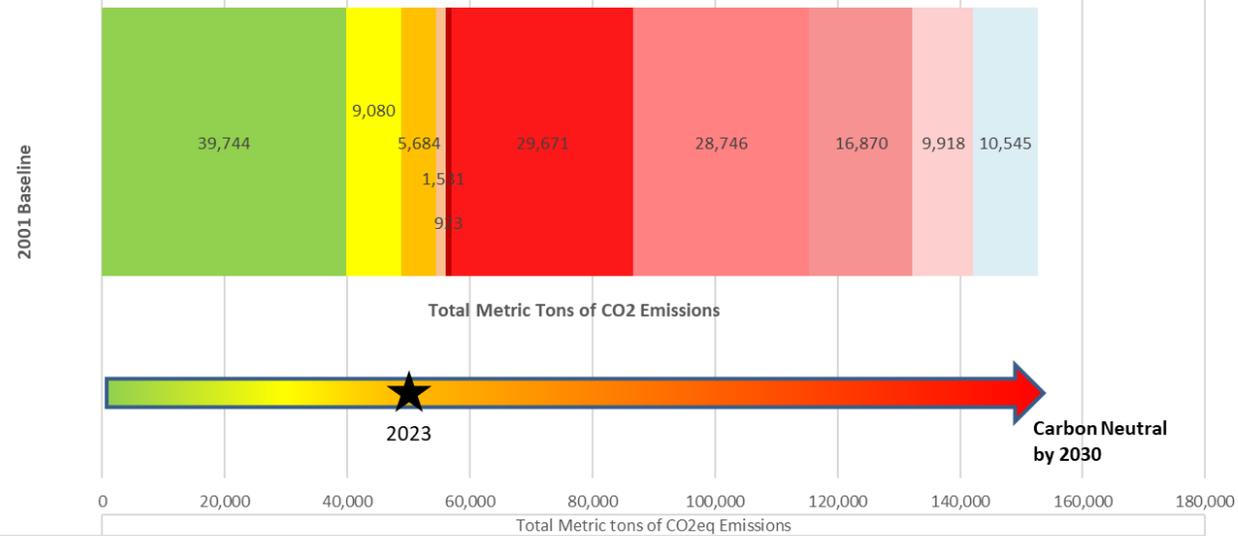
1. SLED Group 4 – Projects In Construction/In Scoping Phase; Dodd, School of Business, ITEB, Castleman, Babbidge, Gampel, Atwater, Wilbur Cross, Student Union, Jorgensen
2. Northwest Dining Hall Demand Controlled Ventilation – In Design
3. ASHRAE Energy Audit Group 1 – On-going, estimated completion end of 2023
4. Stamford RCx Implementation – Tentative completion 2/15/24
5. Boiler Optimization Hartford Law – Complete

Projects in Investigation Phase:

1. Building Condensate Return
 2. Carbon Capture
 3. Hydrogen Boilers
 4. Husky Village Heat Pumps
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GHG Status Graph

UConn Greenhouse Gas (GHG) Status FY22



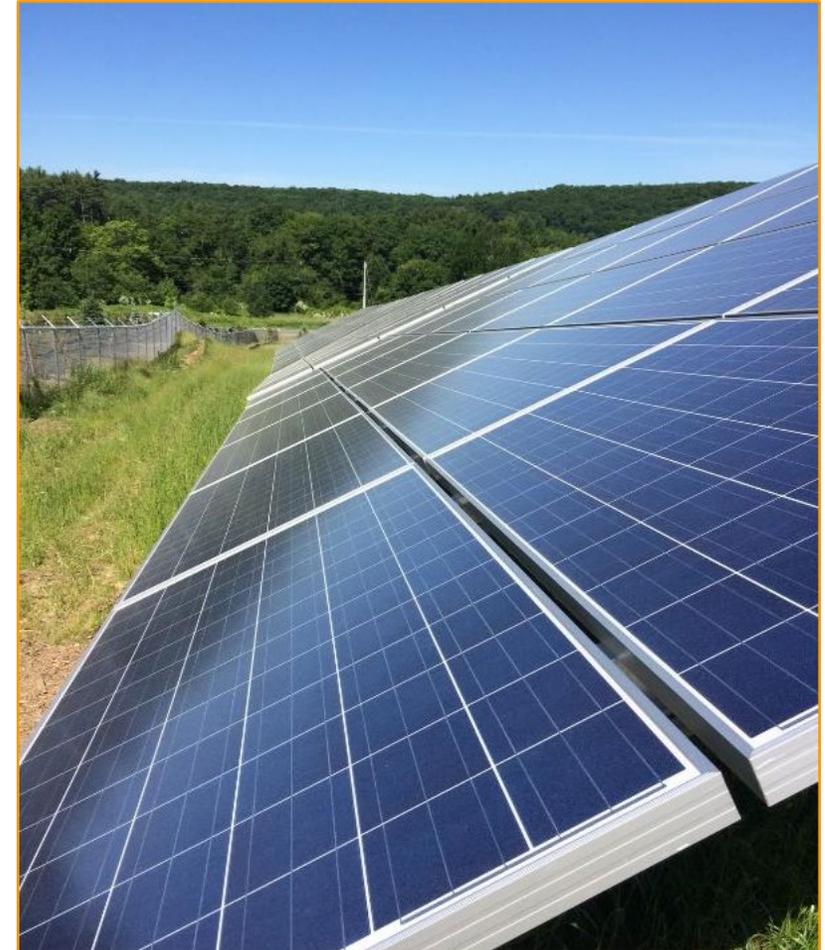
	Total Metric tons of CO2eq Emissions
Completed 2001-2022	39,744
Energy Conservation Program	9,080
On-Site Solar Parking Lot Canopies	5,684
ESPC Phase 2	1,531
Fuel Cells	923
COGEN Thermal Production (Gas & Oil)	29,671
COGEN Electric Production (Gas & Oil)	28,746
OTHER Scope 1	16,870
Scope 2	9,918
Scope 3	10,545

Upcoming Discussions:

- 10/20: Offsets/PPA Discussion with Alyssa McDonnell
- 11/17: UPDC Project Updates with Elizabeth Craun
- 12/1: Facilities Project Updates and Student Discussion

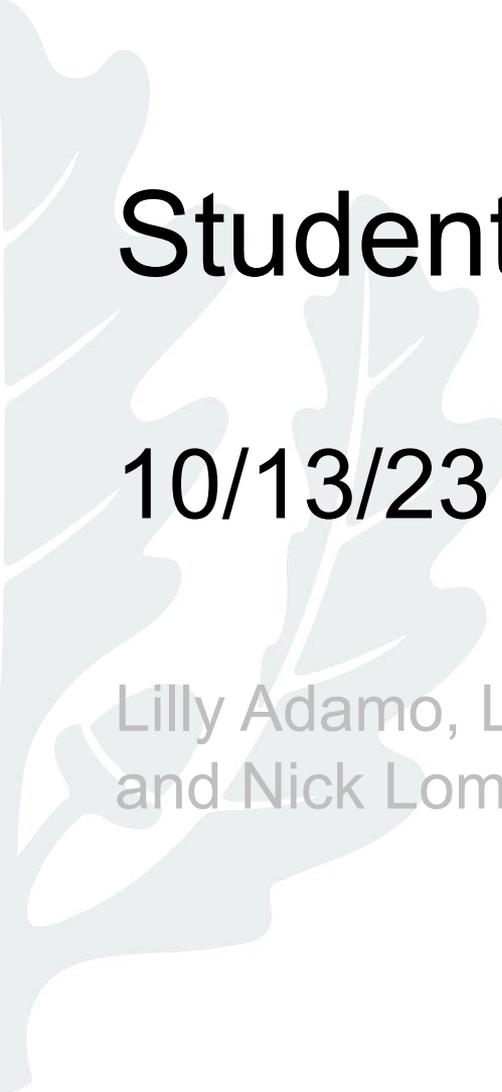
Carbon Coffee Talks:

- 10/24 5-6PM Science 1 Green Feature Discussion and Tour with Elizabeth Craun
- 11/14 5-6PM Topic TBD



Open Discussion





Student Update

10/13/23

Lilly Adamo, Liam Enea, Dylan Steer, Lili Nagy-Leranth,
and Nick Lombardo

Student Organizations Updates

EcoHusky

- Environmental Student Volunteer Opportunities
- Hartford Marathon



Environmental Justice Front

- First cozy strike Thursday 10/5
 - raised awareness about divestment & decarbonization / UConn's current standing
- petition signatures



Clean Energy Society



Fossil Fuel Free UConn

- 2nd year as an environmental coalition made up of numerous environmentally related clubs
- centered around climate activism
- have members from over 20 different clubs
- meets every Friday @ 4 PM
- fossilfuelfreeuc@gmail.com



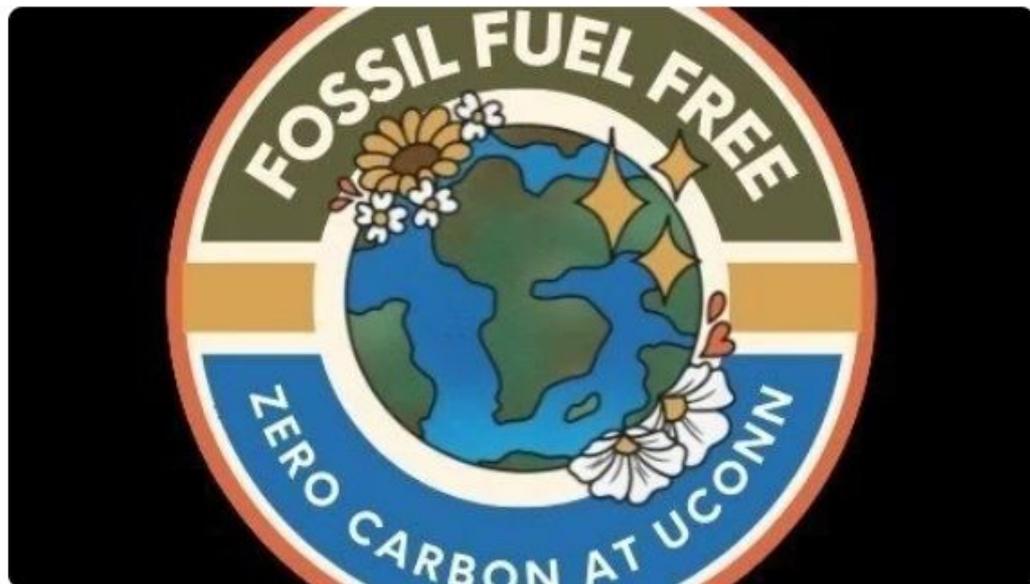
Petition

AS MEMBERS OF THE UCONN COMMUNITY, WE ARE CALLING ON THE UCONN ADMINISTRATION AND BOARD OF TRUSTEES TO TAKE ACTION TO END THE INFLUENCE OF THE FOSSIL FUEL INDUSTRY ON OUR CAMPUS.

OUR DEMANDS:

1. **DECARBONIZE** - Create and execute a plan to achieve both carbon-neutrality by 2030 and to fully eliminate the use of fossil fuels at the University of Connecticut by 2040.
2. **DIVEST** - Fully eliminate the UConn Foundation's direct and indirect ownership of fossil fuel companies or companies that reap the majority of their revenue from fossil fuels, including coal, oil, and natural gas.
3. **DISCLOSE** - Publicly disclose comprehensive plans to achieve both carbon-neutrality by 2030 and zero-carbon by 2040—including the already promised 2023 Sustainability Action Plan—the total amount of direct and indirect investments in fossil fuel companies, and the contents of the University's donations from the ExxonMobil and Shell Oil Company Foundations.

TELL UCONN: NO MORE FOSSIL FUELS



Started
Petition to

September 10, 2023
President, The University of Connecticut Radenka Maric and [2 others](#)

1,385

Signatures

1,500

Next Goal

 136 people signed this week

Thanks to your support this petition has a chance at winning! We only need 115 more signatures to reach the next goal - can you help?

[Take the next step!](#)

Board of Trustee Meeting-9/27

- 6 students spoke on behalf of Fossil Fuel Free UConn



1. Outlined our demands
 - a. Decarbonization
 - b. Divestment
 - c. Disclosure
2. Why does this benefit UConn specifically?
3. How does this relate to UConn's human rights commitments?
4. Why does this benefit society?

UConn students demand university divest from fossil fuels

Last year, UConn President Radenka Maric announced the university's goal to achieve carbon neutrality by 20

by Jessika Harkay
September 27, 2023 @ 3:45 pm



Hartford Courant

UConn students to university: Divest from fossil fuels. 'Climate change is here.'

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The Daily Campus
Thursday, October 12, 2023

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UNCHAIN and Fossil Fuel Free UConn hold third annual Disorientation

By Jenna Osofski - October 4, 2023



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News

Fossil Fuel Free UConn: Environmental activists call for UConn to prepare for climate change

By Jeff Pupazzoni - October 3, 2023



Climate change is one of the significant issues that define the 21st century. Many universities across

64.7 Storrs

The Daily Campus
Thursday, October 12, 2023

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Editorial Opinion

Support Fossil Fuel Free UConn's petition

By The Editorial Board - October 10, 2023



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Gothamist

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NEWS

'March to End Fossil Fuels' brings tens of thousands to Manhattan



REPRODUCED FROM THE DAILY CAMPUS.

Clean Energy Summit

- Learning about internal and external decarbonization efforts



Student Panel

Sustainability Action Plan

- No new fossil fuel infrastructure
- Considering sustainable procurement when accounting for greenhouse gas emissions
- Clearly outlined with a timeline



Questions