



**Decarbonization Research Consortium Meeting**  
**14 February 2024 / 10:30 am – 7:15 pm ET / 8:30 am – 5:15 pm MT / 7:30 am – 4:15 pm PT**  
**HYBRID: Zoom & In-Person**

**IN-PERSON AT COLORADO STATE UNIVERSITY**

**Powerhouse Energy Campus**

**430 N College Ave, Fort Collins CO 80524**

<https://energy.colostate.edu/contact-energy-institute/>

**Parking:** The Powerhouse Energy Campus has a [dedicated parking lot](#).

If there are not spaces there, please use the nearby lot circled in red on the map on page 3.

**ONLINE: Join ZoomGov Meeting**

<https://nps-edu.zoomgov.com/j/1604056134>

**Meeting ID: 160 405 6134**

**Passcode: yTae0B\*gXy**

**Agenda**  
*All times in MT*

- 8:00 – 8:30 On-site Registration & Online Log-in
- 8:30 – 8:45 Introductions  
Welcome from Colorado State University  
Opening Consortium Comments, Mark Spector
- 8:45 – 9:15 University of South Carolina  
Fuel Flexible Gas Turbine Technology Integrated with Exhaust Gas Recirculation and Hydrogen Carrier Fuels
- 9:15 – 9:45 Penn State University  
Fuel Flexible Gas Turbine Technology Integrated with Carbon Capture and Utilization
- 9:45 – 10:10 United States Naval Academy  
Working Towards Zero-Carbon Naval Energy Technologies with Midshipmen at the USNA
- 10:10 – 10:25 Break
- 10:25 – 10:55 University of Wisconsin  
Enabling mixing-controlled combustion of low carbon fuels in naval reciprocating engines
- 10:55 – 11:10 Colorado State University  
Liquid-Fueled Solar Centaur 40 Gas Turbine Testing with High EGR Fraction to Support Carbon Capture System
- 11:10 – 12:15 Colorado State University Powerhouse Tour

- 12:15 – 1:00 Lunch
- 1:00 – 1:30 George Washington University  
Energy Systems Modeling, Prediction, and Planning Tool for Navy Decarbonization Technologies
- 1:30 – 1:55 Naval Postgraduate School  
Trade space exploration for climate impact and quality attributes for Navy ships
- 1:55 – 2:20 Naval Postgraduate School  
High-level system architecture, modeling and performance evaluation of a fleet of green-energy ships producing hydroelectric energy and hydrogen at sea
- 2:20 – 3:00 University of Illinois  
Sustainable Power for Decarbonization of Naval Vessels
- 3:00 – 3:30 Naval Surface Warfare Center Philadelphia  
Evaluation of Propulsion Derived Ship Service and Weapons Power to Support Decarbonization
- 3:30 – 3:45 Break
- 3:45 – 4:15 Naval Surface Warfare Center Philadelphia  
Further Investigations of Low Global Warming Potential (GWP) Alternatives in Navy Chillers
- 4:15 – 4:45 American Bureau of Shipping  
Collaborative R&D at American Bureau of Shipping
- 4:45 – 5:10 Roadmap Next Steps / Group Discussion
- 5:10 – 5:15 Conclusion & Review of Action Items
- 5:30 - Social Hour (optional) at Salt Road Brewing  
321 Old Firehouse Alley, Fort Collins, CO 80524

\*\*\*\*\*

**Path Forward:**

15 March 2024 11 am – 1 pm ET / 8 – 10 am PT / Virtual

April/May Meeting Dates Pending

## Parking Information:

Parking at the Powerhouse Energy Campus is limited, but additional parking is available in two nearby lots that are just a quick walk from the building. No fee/decal is needed for any of these lots. **For safety, please use sidewalks to cross railroad tracks.** Use the interactive map below to locate parking (indicated in green):

