

Technology Assessment and Zero Emission Workshop Commercial Harbor Craft -Technical Working Group (TWG) Meeting #2 May 29, 2024, 1:00 PM - 4:30 PM

[Workshop 2 Zoom Registration Link](#)

[CARB TWG Website Link](#)

Session 1: Combustion Technology Assessment

Welcome and Opening Remarks 1:00 PM. California State University, Sacramento

- Workshop objectives and timeline
- Introducing Sac State and their role
- Charter and code of conduct

Technological Advancements 1:10 PM. University of California, Irvine (UCI)

- Technological advancements on Tier 4 marine/marinized engines and exhaust aftertreatment
- Commercial availability updates for Tier 4 marine/marinized engines
- Alternative fuels
- **Q&A 1:50 PM**

Break 2:00 PM

Session 2: Zero Emission Technology Assessment

Opening Session: 2:10 PM. California State University, Sacramento

- Welcome and introduction to the Zero Emission Technology Assessment

Zero Emission and Advance Technology (ZEAT) Projects Overview and Applications 2:15 PM. UCI

- Overview of current CA-based ZEAT projects
- Evaluation of ZEAT CHC case studies in other states and countries for applicability to commercial harbor craft in California
- ZEAT infrastructure - Power requirements, grid infrastructure, and charging components

- Challenges to obtaining ZEAT infrastructure

Q&A 2:55 PM

Break 3:10 PM

ZEAT Panel: 3:15 PM

- Andrew Damiano - Panel moderator, CARB
- Julia Csernansky - Lead mediator/facilitator, CSU Sacramento
- Christian Stark - Sr. Project Manager, Aurora Marine Design (confirmed)
- Graham Balch - CEO, Green Yachts (confirmed)
- Captain Joe Burgard - Managing Director and Partner, Red and White Fleet (confirmed)
- Benjamin Ostroff- General Manager, AMNAV Maritime

Q&A 4:15 PM

Closing Remarks 4:30 PM

- Meeting conclusion