

California Air Resources Board Commercial Harbor Craft Regulation Technical Working Group Charter

1 – Introduction and Purpose

This Charter defines the purpose, structure, participants, roles, communication protocols and operating guidelines for the California Air Resources Board (CARB) Commercial Harbor Craft (CHC) Regulation, Technical Working Group (TWG or Group) Process (Process). In [Resolution 22-6](#) approving the amendments to the Commercial Harbor Craft (CHC) Regulation on March 24, 2022, CARB’s Board directed staff to form a technical working group to assess the commercial availability of lower-emitting combustion engines and zero-emission technology for all categories of harbor craft and report back to the Board by December 31, 2024 and every two years thereafter through December 31, 2032. The TWG is public and welcomes all affected stakeholders including vessel operators, industry associations, environmental and community-based organizations, community members, zero-emission or alternative fuel technology developers, engine and after-treatment manufacturers, academic institutions, government agencies, and members of the public. This Charter supports the first phase of TWG meetings, developed to support the first report due to the Board by December 31, 2024.

TWG Schedule

The first phase of TWG is estimated to meet for three workshops (Workshops) which will constitute the Process basis for TWG activities. The anticipated Workshops include:

- Workshop 1: Orientation and Technical Foundation Workshop. April 24, 2024, 1:00 PM - 4:00 PM
- Workshop 2: Technology Assessment and Workshop. Date: TBD
- Workshop 3: Best Practices and Expertise-Sharing Workshop. Date: TBD

NOTE: This Charter does not carry any regulatory or legal authority. Although participation in the TWG is voluntary at all times, TWG Participants are expected to abide by the stipulations set forth in this Charter.

2 - Technical Working Group Organization

This section of the Charter describes the TWG coordination, participant responsibilities, staff/consultant responsibilities, public participation methods, and decision-making protocols for the TWG and associated Process.

2.1 - Technical Working Group Participation.

The TWG meetings are open to the public and all participants are invited to attend via a notice to CARB's relevant list servs. The meeting presentations and panels include a cross-section of panelists invited by CARB and directly impacted by the CHC Regulation and/or affected by CHC and associated combustion emissions. The TWG Workshop format is a series of three (3) online sessions that focus discussion on the status of cleaner combustion and zero-emission technologies as well as processes and experiences of technology adoption. TWG participants may include but may not be limited to academia*, United States Coast Guard, community-based organizations (CBO), selected vessel operators, original equipment manufacturers (OEM) for engine exhaust aftertreatment vendors, and zero-emission technology vendors. Other regulated stakeholders, general public, and/or community groups are invited to attend as members of the public.

*CARB has contracted with University of California, Irvine to conduct a technical assessment of CHC technologies in advance of CARB's 2024 report to the Board.

2.2 - CARB Staff Representatives and Responsibilities

The success of the Workshops is fundamentally tied to the dedicated efforts of CARB's staff representatives. Each member plays a critical role in shaping the discussions, outcomes, and overall effectiveness of the workshops.

CARB team's primary responsibilities are:

- Serving as the main developer and coordinator of the Workshops.
- Presenting an overview of the technical working group and workshop intent, and regulatory background.
- Providing presentations on the basics of commercial harbor craft technology requirements in the initial workshop, offering both a refresher for stakeholders and foundational knowledge for community-based organizations and members.
- Developing and disseminating presentation materials that are accessible to a diverse audience, ensuring clarity, engagement, and educational value.
- Creating a web page to centralize useful information for the technical working group and the public to facilitate access to valuable resources.
- Engaging in active listening during workshops to better understand the perspectives and concerns of all

2.3 - Facilitator Responsibilities

CARB has contracted Sacramento State facilitation and collaboration specialists (University) to serve as the neutral facilitator in administrative and meeting support to TWG. The facilitator will support CARB to coordinate with workshop presenters and panelists and develop materials in advance of the Workshop series. The university will also provide broader facilitation services to support the Process. The facilitator and facilitation team serve as a neutral third party whose primary responsibility is to ensure a process where all participants' interests, views, and opinions are heard and thoughtfully considered.

3 – Technical Working Group Process and Protocols

As previously described, the TWG will meet for three (3) Workshops. As stated above, TWG Participants will actively listen to the various conversations and will have to opportunity to engage in Q&A sessions to collaborate in providing perspectives regarding the commercial availability, feasibility, effectiveness and potential barriers of cleaner combustion and zero-emission technologies in the harbor craft sector.

3.1 - Technical Working Group Communication Protocols

TWG Participants are not prohibited from speaking with the media but if they do, they must indicate that they are not speaking on behalf of CARB or the entire TWG process. Participants should neither characterize the positions and views of any other Participant or CARB, nor should they ascribe motives or intentions to the statements or actions of other TWG Participants or CARB.

3.2 - Technical Working Group Operating Guidelines

All TWG Panelists and presenters, CARB staff, the facilitator, and public attendees of a Workshop agree to:

- Panelists, arrive promptly to all online Workshops and be prepared to participate according to the items on the Workshop agenda.
- Silence all background noises when speaking.
- Assure that all Participants are heard and that one person speaks at a time. Refrain from side conversations. Address all comments through the facilitator.
- When appropriate, distinguish between personal and organizational perspectives.
- Treat all participants respectfully.

APPENDICES

Appendix X - Background Materials

Commercial Harbor Craft Regulation Amendments | California Air Resources Board

TWG Participants should conduct a preliminary review of background materials as well as project background and history to ensure content fluency and effective preparedness.

Items include but are not limited to:

Critical Documents for TWG Participant Review:

- Board Resolution 22-6
<https://ww2.arb.ca.gov/sites/default/files/barcu/regact/2021/chc2021/reso22-6chc.pdf>
- Implementation Factsheets
<https://ww2.arb.ca.gov/our-work/programs/commercial-harbor-craft/commercial-harbor-craft-factsheets>
- Staff Report: Initial Statement of Reasons (especially Appendix E)
<https://ww2.arb.ca.gov/sites/default/files/barcu/regact/2021/chc2021/isor.pdf>
- Response to Comments on the Draft Environmental Analysis - Master Responses #1-5:
<https://ww2.arb.ca.gov/sites/default/files/barcu/regact/2021/chc2021/chcrtc.pdf>

Additional Background Materials (optional):

- Commercial Harbor Craft Final Regulation Order
<https://ww2.arb.ca.gov/sites/default/files/barcu/regact/2021/chc2021/chcfro.pdf>
- Rulemaking Meetings and Workshops
<https://ww2.arb.ca.gov/our-work/programs/commercial-harbor-craft/chc-meetings-workshops>
- Final Statement of Reasons, especially comments and responses
<https://ww2.arb.ca.gov/sites/default/files/barcu/regact/2021/chc2021/fsor.pdf>