

AGENDA NO. 22

Update on Facility-Based Mobile Source Measure Development for Marine Ports

Board Meeting

February 7, 2025



Background

- Ports have achieved significant emission reductions
 - Ports have met their own emission reduction goals for year 2023*
 - Goals were set 15 years ago in the 2010 CAAP; no updated goals in the 2017 CAAP
- Additional emission reductions from ports is needed for ozone and PM2.5 standards
 - Ports are the largest source of NOx in the Basin
 - Consistent with 2016 and 2022 AQMPs South Coast AQMD continues working on facility-based measure for ports
- Both ports have expressed ambition in pursuing further emission reduction opportunities and ultimately achieving zero emissions goals

"Our stated mission is zero emissions"
– Port of Long Beach State of the Port Address, 1/16/2025



"Our goal isn't fewer emissions, it's zero emissions,"
– Port of Los Angeles State of the Port Address, 1/22/2025

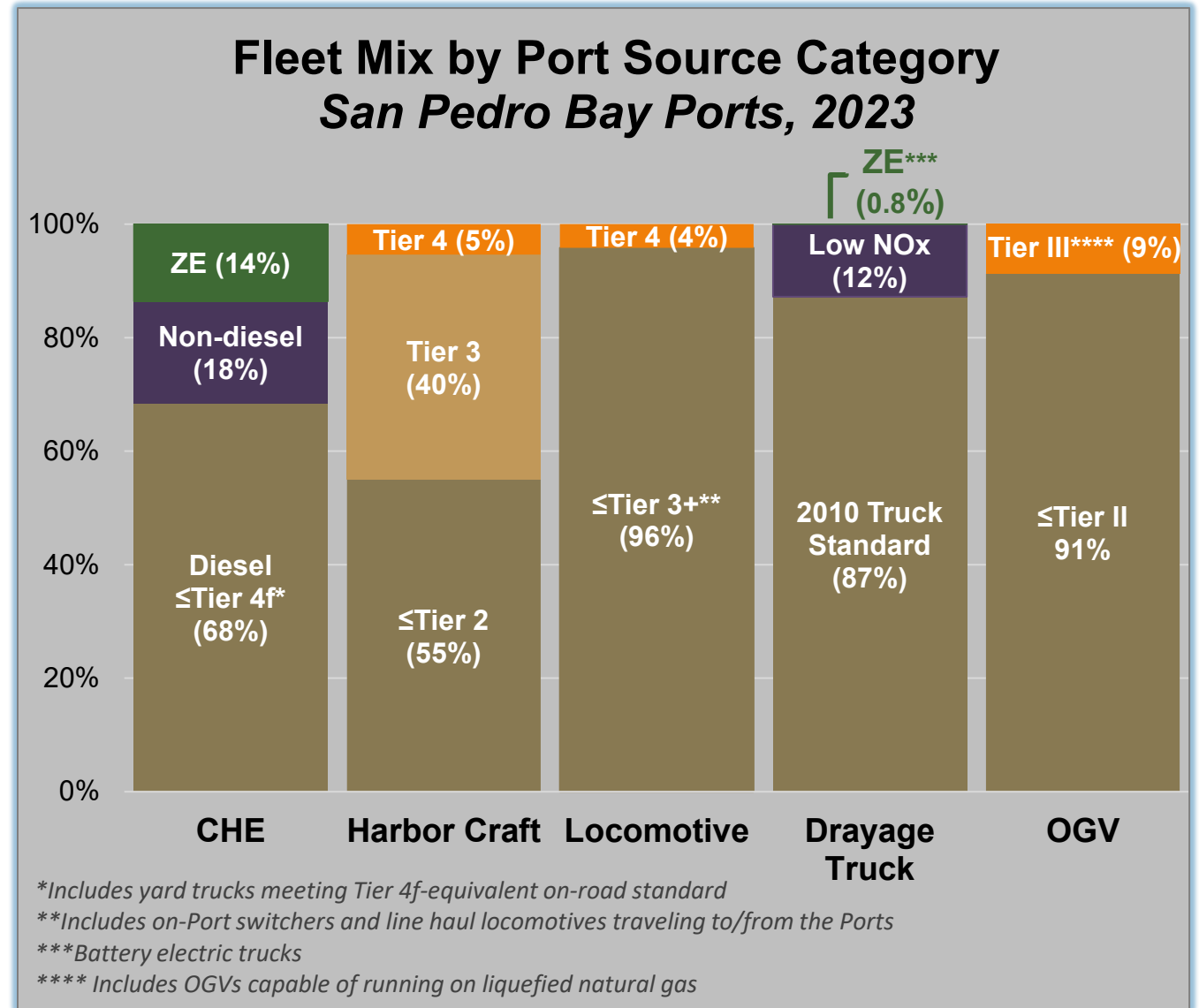


Key Activities in 2024

- ❑ Five Working Group Meetings
- ❑ Many smaller stakeholder meetings with environmental and community groups, labor, industry, cities and ports of Los Angeles and Long Beach
- ❑ Key feedback common to all stakeholders:
 - Energy transition is critical for private and public sector goals
 - Charging and fueling infrastructure planning and deployment is needed
 - Coordination with multiple entities is key

Infrastructure Critical for Technologies Needed for Attainment

- ❑ Limited progress to date deploying non-diesel technologies at scale
- ❑ Charging/fueling infrastructure for alternative energies also has not yet been deployed at scale
- ❑ Energy infrastructure needed for:
 - Electricity
 - Hydrogen
 - Alternative marine fuels (e.g., methanol)



Data sources: 2023 POLA & POLB Emission Inventories

Staff's Current Approach

- ❑ Pursuing an incremental approach
- ❑ Start with infrastructure planning and installation of infrastructure
 - Foundational to achieving future emission reductions
 - Leverage ongoing efforts and recent funding
- ❑ Staff presented preliminary concept in November Working Group meeting
 - Discussion focused on substance, not the mechanism or framework for carrying out the concepts



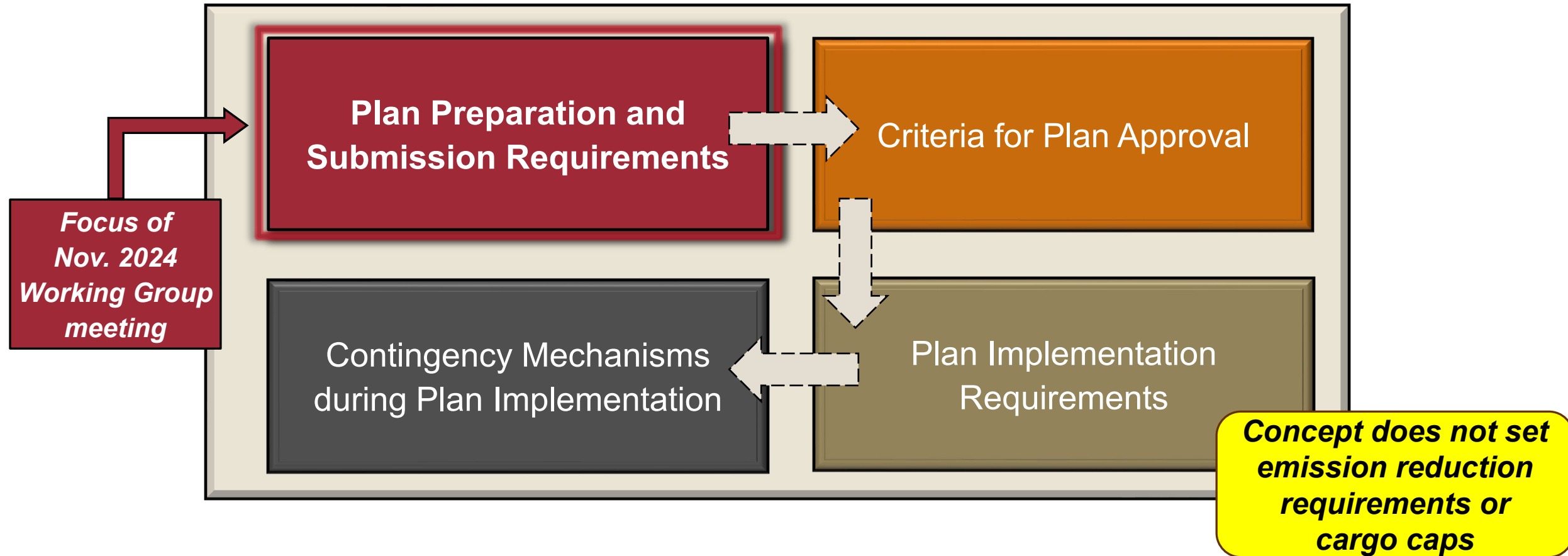
Port Charging and Fueling Infrastructure

 **Working Group Meeting**
November 15, 2024
GB Conference Room

Join Zoom Webinar Meeting
- from PC or Laptop
<https://scaqmd.zoom.us/j/91542075443>
Zoom Webinar ID: 915 4207 5443
Teleconference Dial In +1 669 900 6833

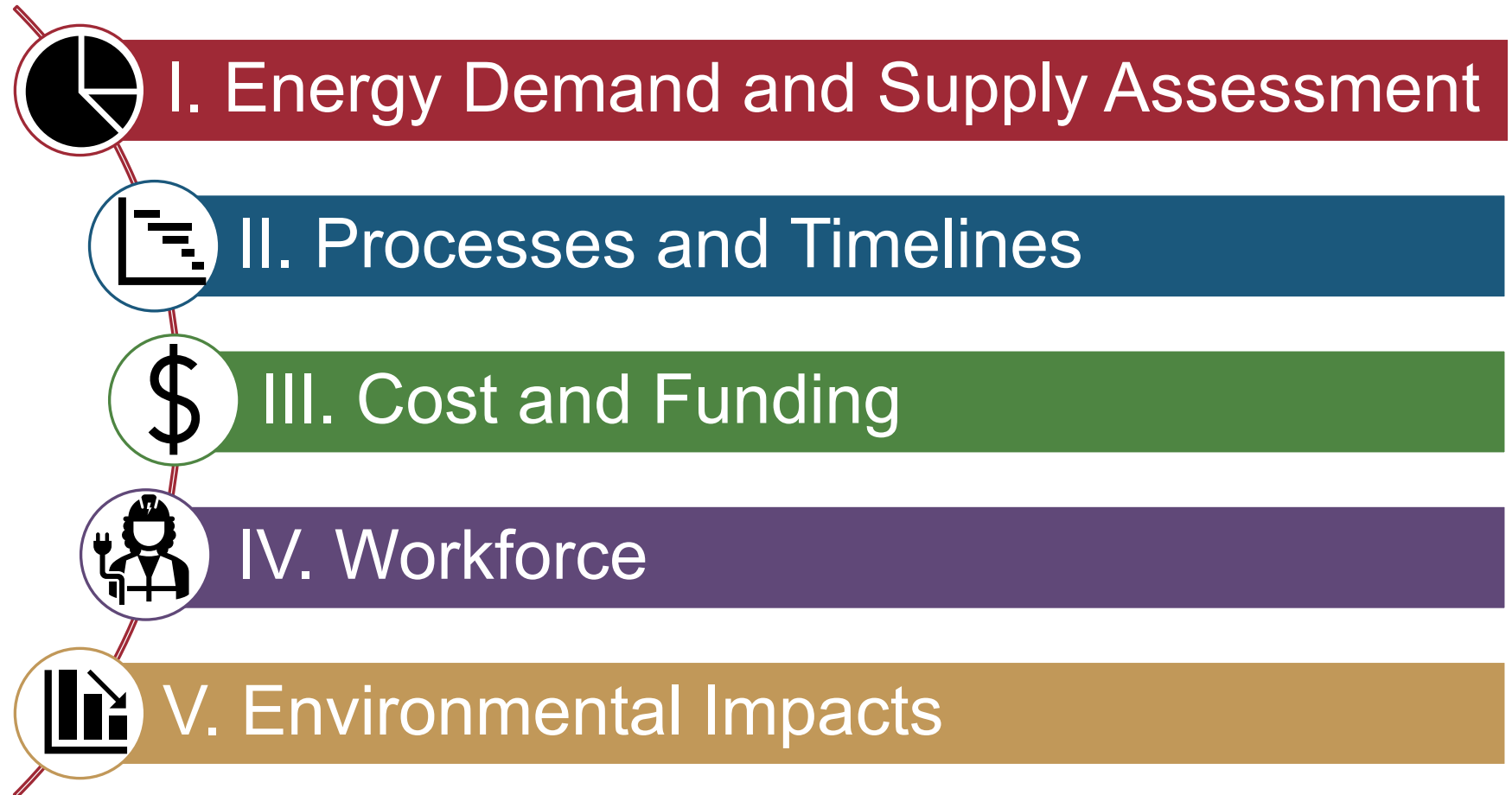
No emission reduction requirements or cargo caps in current approach

Draft Concept for Port-wide Comprehensive Charging and Fueling Infrastructure Plan



Port-wide Comprehensive Charging and Fueling Infrastructure Plan Key Elements

Scope covers
all emission
sources and
energy types



Stakeholder Feedback on Staff Approach

Community and Environmental Groups

- ❑ Prioritize public health
- ❑ Accelerate emission reductions from port operations
- ❑ Clarify when emission reductions will occur in the proposed incremental approach
- ❑ Achieve more than the work already undertaken by ports and industry
- ❑ Require enforceable implementation of the infrastructure plan

Ports

- ❑ Echoing Mayors' joint statement
- ❑ Some infrastructure planning efforts are already under way

Industry

- ❑ Support a non-regulatory infrastructure planning approach

Labor

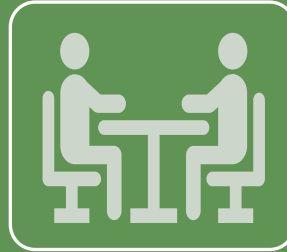
- ❑ Workers have first-hand knowledge how ZE equipment operates
- ❑ Prioritize economic justice with environmental justice

Next Steps



Hold Working Group Meeting on February 28

- Share preliminary first draft rule language



Continue stakeholder engagement with all groups



Hold community meetings and continue working group meeting process



Anticipated Public Hearing for Board Consideration for Adoption in 3rd Quarter 2025