

# Port Subcommittee

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**GENERAL DYNAMICS**

NASSCO

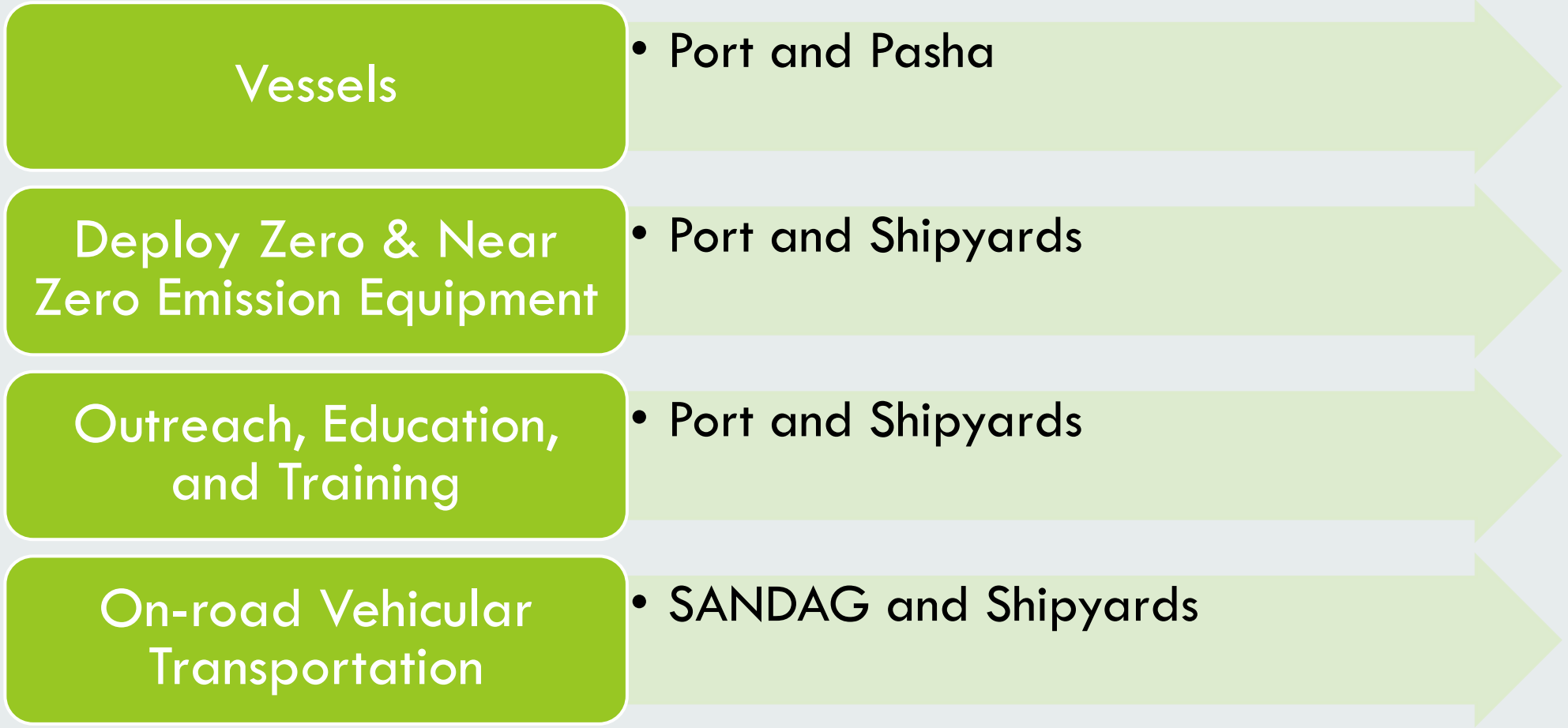


## PORT Subcommittee Members

- David Flores, EHC
- Joy Williams
- Sal Razo Abrica, Teamsters
- Larry Hofreiter, Port
- Philomena Marino, Resident
- Roman Partida-Lopez, GLI
- Nick Popaditch, US Navy
- Sara Giobbi, NASSCO
- Josefina Khalidy, Port
- Sophie Sylvestri, Pasha



# Overview: Strategy Directions



# Vessels

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## Vessel Speed Reduction (VSR)

- Explore updating and expanding VSR Program (Port, 2021)

## Shore Power or Equivalent System

- Pilot test ship emission reduction technology (Pasha, 2024)

## Tug and Ferry Technology

- Evaluate options to implement electric tug and/or ferry technology (Port)

# Deploy Zero & Near Zero Emission Equipment

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## Electric Cargo Handling Equipment (CHE)

## Zero / Near Zero Equipment

- Facilitate transition to ZE CHE (Port)
- Attain 92% DPM and 78% NOx reduction by 2025 (Port)
- Require ZE or Tier 4 air compressors (Shipyards, 2021)
- Pursue ZE / NZE for on-off-road equipment (Shipyards)



# Outreach, Education, and Training

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Promote best practices for reducing diesel, VOC and other emissions from ship repair activities

- Provide annual trainings on best practices to ship repair contractors (Shipyards, 2021)

Promote ZE Technologies

- Hold a demonstration event of ZE technologies (Port, 2021)

# On-road Vehicular Transportation

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Reduce emissions from  
single occupancy  
vehicular transportation

- Promote participation in alternative transportation (Shipyards)
- Grade separation of rail to reduce traffic queuing and emissions (SANDAG)

# Recommendation

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In lieu of the Port Section, create two new sections:

- (1) Working Waterfront Activities (Port, Navy, Shipyards)
- (2) Regional Actions