



*Final Seaport Air Quality  
2020 and Beyond Plan – The  
Pathway to Zero Emissions*

Task Force Meeting #6  
April 23, 2019



## Presentation Overview

- Planning Process
- Overview of Comments Received
- Changes from *Revised Draft Plan to Final Plan*
- *Final Plan* Structure and Content
- Screening and Evaluation Process
- LCFS Credits
- Projects Currently Underway
- Stakeholder Engagement During Implementation
- Documentation
- Next Steps



## Planning Process

Draft Plan Development  
Dec. 2017-June 2018

### Task Force Meetings

- #1 February 23, 2018: Reconvening
- #2: May 9, 2018: Draft Plan Blueprint
- #3: June 21, 2018: Draft Plan Policy Issues

### Draft Plan

- June 29, 2018: *Draft Seaport Air Quality 2020 and Beyond Plan (Draft Plan)* posted online
- July 12, 2018: Presentation to the Board and Public
- June 29 to August 31, 2018: Public Review and Comment Period

Revised Draft to Final  
July 2018-Spring 2019

### Task Force Meetings

- #4: Sept. 26, 2018: Comments and Responses; Industry Roundtable
- #5: Jan. 10, 2019: *Revised Draft Plan Overview*; Workforce Development; AECOM Study; Grant Panel
- #6: April 23, 2019: Preview of *Final Plan*

### Revised Draft Plan

- New Appendices; Response to Comments; Revised Draft Plan; Revised Near-Term Action Plan
- December 14, 2018: *Revised Draft Seaport Air Quality 2020 and Beyond Plan (Revised Draft Plan)* and Response to Comments posted online
- Dec. 14, 2018 to January 17, 2019: Public Review and Comment Period
- Comment Period extended one week by request.

### Final Plan

May 2019: Presentation to Board and Public

Implementation

### Phases

- Near-Term (2019-2023)
- Intermediate-Term (2023-2030)
- Longer-Term (2030-2050)

### On-Going Stakeholder Engagement

Public Engagement Plan (Appendix G)  
Screening & Evaluation Process

### Annual Progress Reports and Review/Update of Near-Term Action Plan (NTAP)

### Plan Update

Year 2023 (Year 5)

## Overview of Comments

### Draft Plan

11 letters, 4 emails, 3 phone calls, 1 newsletter, and comments from Task Force Meeting #3

347 separate comments

- Alameda County Public Health Department
- American Trucking Association, California Trucking Association, and Harbor Trucking Association
- Bay Area Air Quality Management District
- Bay Planning Coalition
- California Air Resources Board
- CenterPoint, Inc
- Clean Energy
- DockTime
- Environmental Defense Fund
- Goldman School of Public Policy, UC Berkeley
- Pacific Merchant Shipping Association
- SSA Terminals
- West Oakland Environmental Indicators Project
- Western States Trucking Association

### Revised Draft Plan

6 letters, 2 emails and 8 Task Force comment cards

220 separate comments

- Bay Area Air Quality Management District
- California Air Resources Board
- CenterPoint, Inc.
- Clean Energy
- DockTime
- Goldman School of Public Policy, UC Berkeley
- Pacific Merchant Shipping Association
- West Oakland Environmental Indicators Project

All comments and responses provided in Volume II in matrix format



## Changes from *Revised Draft Plan* to *Final Plan*

- Streamlined text
- Improved graphics
- Clarified Screening & Evaluation Process, including role of Co-Chairs, Task Force, and Working Sessions for collaborative problem solving
- Added Low Carbon Fuel Standard (LCFS) credits
- Added 5 Implementing Actions to Near-Term Action Plan
- Added Suggested Implementing Actions from WOEIP/Earth Justice, BAAQMD and CARB attachments, and from comment letters on the Revised Draft
- Added four new topics to Response to Comments, plus responses to all comments on the Revised Draft

## **NEW Master Responses to Comments (RTC)**

- Infrastructure
- Port Staffing and Resources
- Truck Parking and Charging
- Appendix F (Cost and Technological Feasibility of Equipment) Clarifications

## ***Final Plan Structure and Content***

- Volume I: Main Text and Appendices

Appendix A: Planning Assumption

Appendix B: Background

Appendix C: Suggested Actions

Appendix D: Screening & Evaluation

Appendix E: Public Engagement Plan

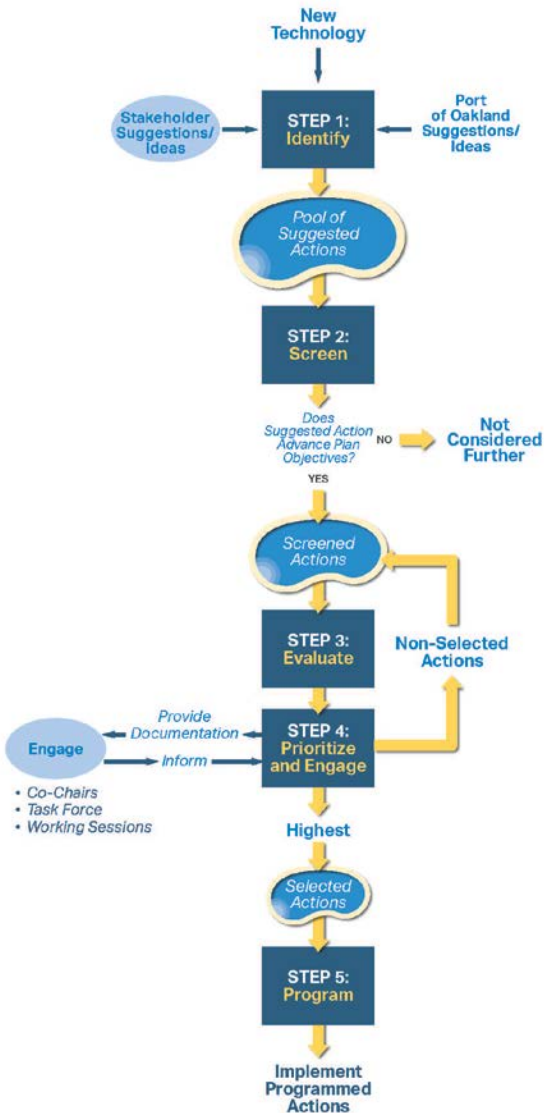
Appendix F: Technical Feasibility Study

Appendix G: Workforce Development

- Volume II: Response to Comments

- Section 1: Master Comment Responses by Topic
- Section 2: Responses to Individual Comments
- Section 3: Written Comments

## Screening & Evaluation Process



Step 1: Identify

Step 2: Screen

Step 3: Evaluate

Step 4: Prioritize & Engage

Step 5: Program

Documentation: Steps 1-4 provided to Co-Chairs in matrix format for review & feedback.

Working Sessions: Co-Chair convene Working Sessions for collaborative problem-solving.



## Low Carbon Fuel Standard (LCFS)

- Multiple commenters suggested the Port participate in CARB's LCFS program.
- The Port has registered an account and is currently applying for Q1 credits for shore power.
- The Port to earn credits for replacing diesel fuel with electricity.
- Port to sell the credits and use the funds to further the goals of the *2020 and Beyond Plan*.
- One tenant has obtained LCFS credits for its electric drayage truck.

## Projects Currently Underway

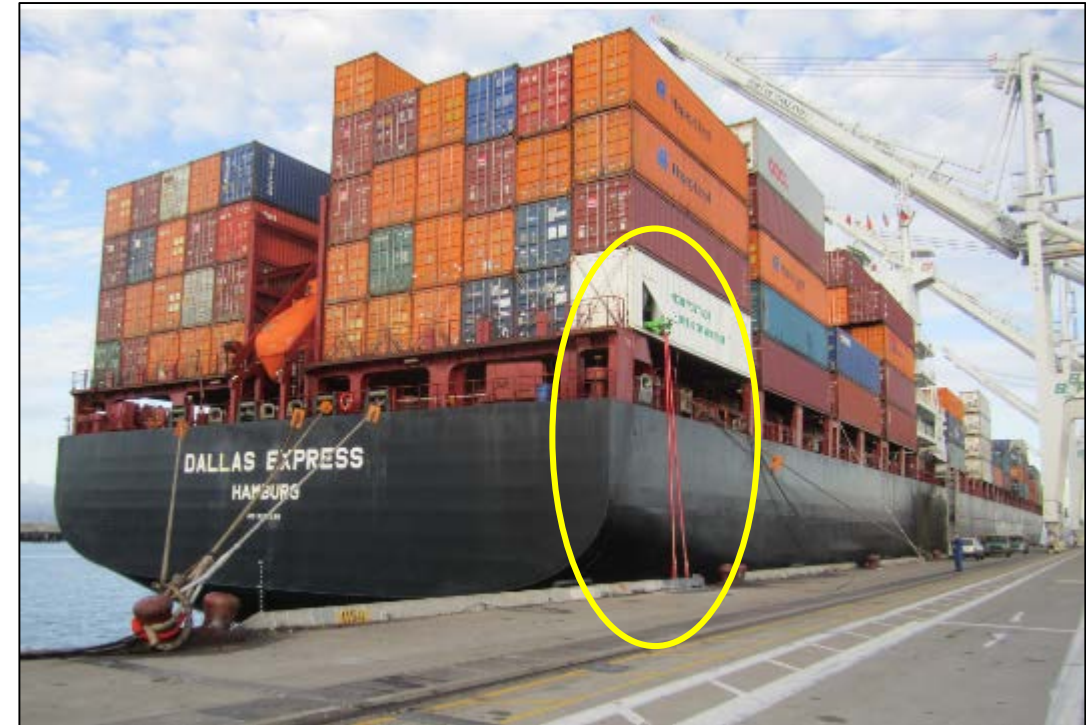
### Equipment:

- Hybrid-electric RTGs at Oakland International Container Terminal
- 10 zero-emissions Class 8 drayage trucks at Shippers Transport Express (STE)
- 5 zero-emissions yard trucks
- 1 zero-emissions top handler
- Port Harbor Facilities: Electric forklifts and work trucks

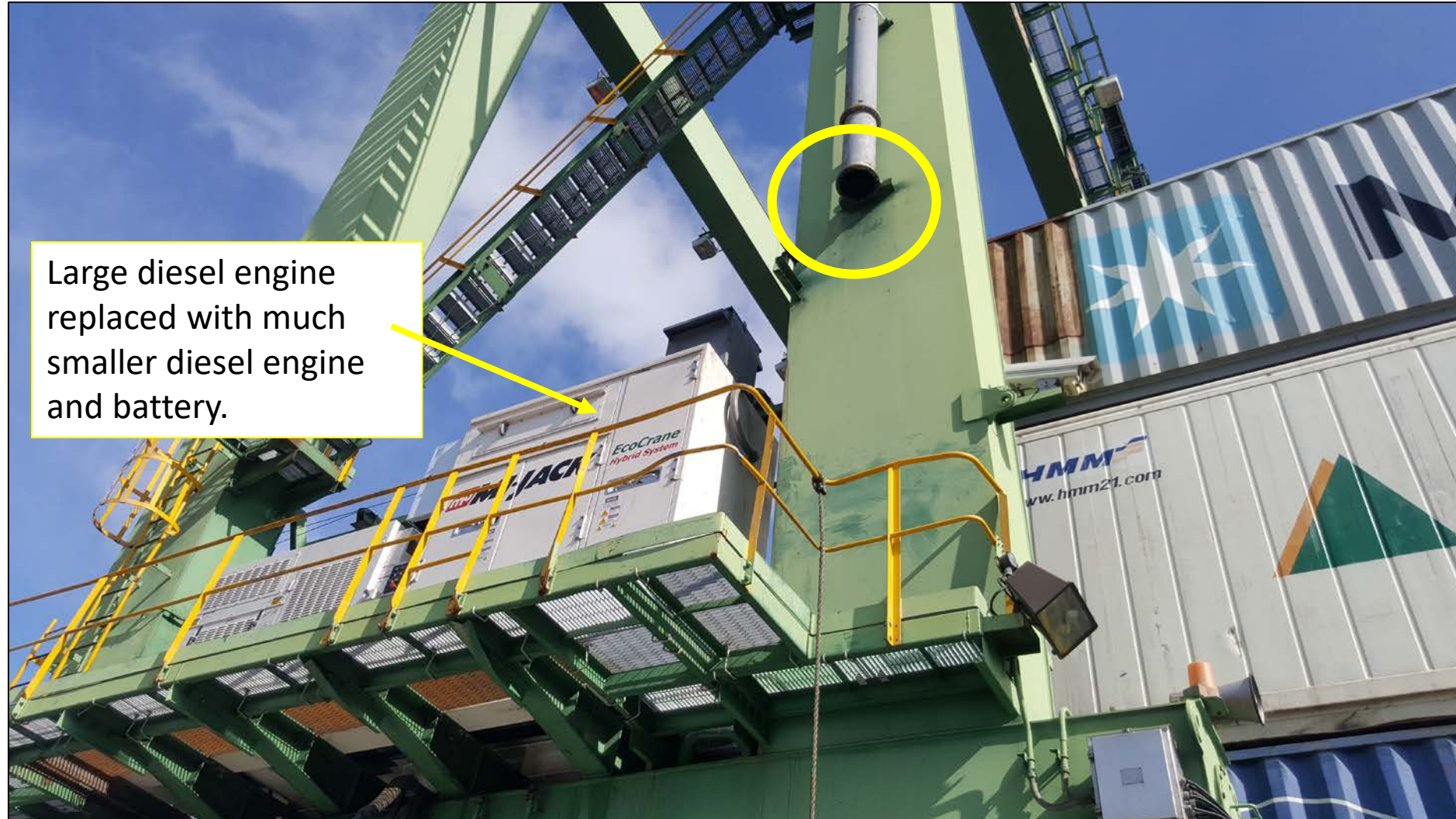
Infrastructure: Install electrical chargers at tenant STE

Fuels: Renewable diesel for Port fleet

Operations: Promote increased shore power use



## First Hybrid RTG In Service



Large diesel engine replaced with much smaller diesel engine and battery.



## Engagement During Implementation

- Task Force will convene every six months
- Co-Chairs will help set agenda for Task Force meetings
- Co-Chairs will initiate Working Sessions as needed, including Task Force members, for collaborative problem solving
- Co-Chairs and Task Force will inform the prioritization of Plan's implementing actions through the 5-step Screening & Evaluation process
- Task Force members will be able to provide continuous feedback by sharing ideas with Port staff and Co-Chairs
- Task Force members can request Working Sessions as needed
- Staff will provide periodic updates to the Port Board of Commissioners

## Documentation

Staff will document ideas, suggestions and feedback as follows:

- Matrix of Steps 1-4 of Screening & Evaluation Process
- Task Force and Working Session meeting notes
- Agenda Reports for any Board engagement
- Updates to the Plan



## Next Steps

- Post Final Plan on Port website (Friday, May 10, 2019)
- Board Meeting: Consider approval of Final Plan (Thursday, May 23, 2019)
- Commence screening of all Suggested Actions (Spring/Summer 2019)
- Document Screening & Evaluation process (Fall 2019)
- Co-Chairs and subsequent Task Force meetings (Fall 2019/Spring 2020)
- On-going equipment deployment (2019-2023)
- File LCFS quarterly reports (2019; on-going)
- First annual progress report to the Board (Spring 2020)

Task Force Co-Chairs, Task Force Members and  
the Public:

*Thank you!*