



Seaport Air Quality 2020 and Beyond Plan

Task Force Meeting #3 June 21, 2018



2020 and Beyond

Plan Phases:

1) Plan Development

May 9, 2018

Task Force Meeting

2020 and Beyond Blueprint

Today, June 21, 2018

Task Force Meeting

Key Factors towards a Zero
Emissions Pathway

2) Plan Implementation

Near Term Action, now - 2023

2020 and Beyond

1) Plan Development Factors

- ✓ Existing MAQIP
- ✓ Regulatory and policy setting
- ✓ Technical studies
- ✓ Planning assumptions
- ✓ Policy issues
- ✓ Stakeholder participation

2020 and Beyond

Policy Issue #1: Near-Zero or Zero Emissions?

What if...

- *Near Zero were the only viable option we have right now?*
- *Zero emissions were not feasible (i.e., cost effective, commercially available, operational, etc.?)*

Draft Plan:

- Sets an ambitious and bold vision: a Zero-Emissions Seaport.
- Builds in concept of incremental change; “pathway to zero-emissions”.

2020 and Beyond

Policy Issue #2. Diesel Particulate Matter (DPM) and/or Greenhouse Gas (GHG) reductions?

What if...

- *We had to choose DPM or GHG?*

Draft Plan:

- Continues reductions of DPM and GHG emissions as *Draft Plan* Goals.

Policy Issue #3. Technology preference for electrification?

What if...

- *Electrification were not the only answer?*
- *We built it and they did not come?*

Draft Plan:

- Assumes electrification is the technological frontrunner.
- Provides flexibility for other technologies, such as hydrogen fuels, renewable diesel, and natural gas.

Policy Issue #4: Sufficient Resources for Final Plan Implementation and Management?

What if...

- *Resources were challenged (i.e., finances, staffing, competing priorities?)*

Draft Plan:

- Relies on multiples sources of funding including external grants and incentives.
- Includes cost and resource analyses for Final Plan.
- Proposes phased implementation.

2020 and Beyond

Policy Issue #5: Planning Horizons to 2030 and 2050? Is it reasonable to plan that far into the future?

What if...

- Our future infrastructure updates became obsolete?
- New technologies emerged?
- New regulations were adopted?

Draft Plan:

- Aligns vision, goals and strategies with State GHG targets 2030 and 2050.
- Includes three phases: near-term, intermediate-term, and long-term.
- Proposes 5-year Near-Term Action Plan (2018-2023.)
- Includes Year 5 Plan Update (2023.)

The Vision: *Pathway to Zero Emissions*

- “Glidepath”: Incremental change over time.
- Destination: Zero Emissions Seaport.
- “Technology-flexible”; subject to feasibility.
- Concrete actions via 5-Year Near-Term Action Plan (2018-2023.)
- On-going stakeholder participation.

2020 and Beyond

2) Plan Implementation

Near Term Action Plan (2018-2023) focused on:

- Infrastructure
- Fuels and Equipment
- Operations
- Partnerships

Port Commitments:

- Annual review and update of Near Term Action Plan.
- Annual progress reporting via Task Force Meetings.
- Year 5 Update (2023.)

Seaport Air Quality 2020 and Beyond Plan

Schedule

Actions	Date
Hold Task Force Meeting #3	June 21, 2018
Post <i>Draft Plan</i> and staff report on Port website	June 29, 2018
Present <i>Draft Plan</i> to Board and Public	July 12, 2018
Receive Public Comments on <i>Draft Plan</i> (10 weeks)	June 29--September 7
Hold Task Force Meetings	September 2018 and November 2018
Conduct Cost and Plan Management analyses	July 1-November 30
Present <i>Final Seaport Air Quality 2020 and Beyond Plan</i> to Board and Public	December 2018