



Item No.: 6B

Date of Meeting: August 6, 2019



**THE NORTHWEST**  
SEAPORT ALLIANCE  
*Gateway to Solutions*

## **Briefing: Northwest Ports Clean Air Strategy**

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August 6, 2019

# NWPCAS History



2007:  
First PSEI  
(2005)

2008:  
First  
NWPCAS

2012:  
PSEI  
Update  
(2011)

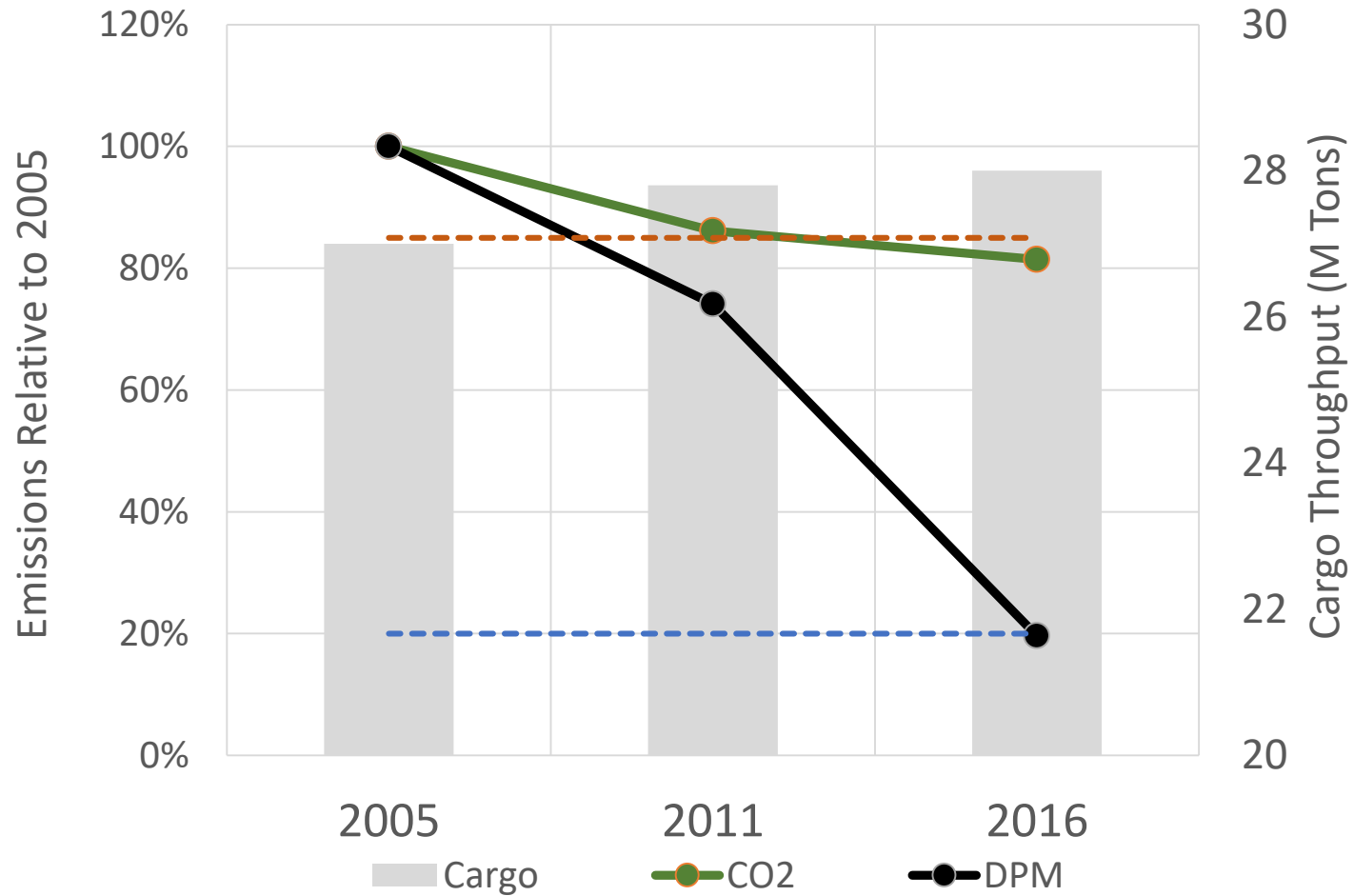
2013:  
NWPCAS  
Update

2018:  
PSEI  
Update  
(2016)

Present:  
NWPCAS  
Update

- Reduce diesel particulate matter (DPM) emissions per ton of cargo **80% by 2020**, relative to 2005 levels.
- Reduce greenhouse gas (GHG) emissions per ton of cargo **15% by 2020**, relative to 2005 levels.

# Progress Towards 2020 NWPCAS Goals



# Strategy Update Motivation

**Continue putting best foot forward, do our part for air quality and climate**

- Significant value in joint voluntary action
- Be proactive, not reactive, stay ahead of regulations

**Align strategy with current technology, policy, and priorities**

**Align NWPCAS with other air quality initiatives and programs**

- NWSA/POT Greenhouse Gas Resolution, POS Century Agenda
  - *Reduce scope 1, 2, and 3 GHG emissions 50% by 2030 relative to 2005 levels*
  - *Carbon neutral for scope 1 and 2 by 2050*
  - *Reduce scope 3 emissions 80% by 2050 relative to 2005 levels (2007 for POS)*

**Increased stakeholder outreach and engagement**



# Strategy Update Steps and Timeline

2018 - July 2019

## ESTABLISH THE VISION

Engagement on Discussion Doc #1:

- Vision
- Guiding principles
- Sector technology shifts

August - December 2019

## DEFINE THE STRATEGY

Engagement on Discussion Doc #2:

- Strategies to support the sector technology shifts
- Preliminary monitoring and reporting

January - March 2020

## DRAFT 2020 NWPCAS

Engagement on Draft strategy:

- Draft report
- Confirm monitoring and reporting approach

April - June 2020

## FINAL 2020 NWPCAS

- Publish final strategy
- Begin implementation and monitoring



# Scope: Sectors

- Ocean Going Vessels (OGV)
- Cargo Handling Equipment (CHE)
- Locomotives
- Harbor Vessels
- Trucks
- Fleet Vehicles
- Port Admin and Tenant Facilities



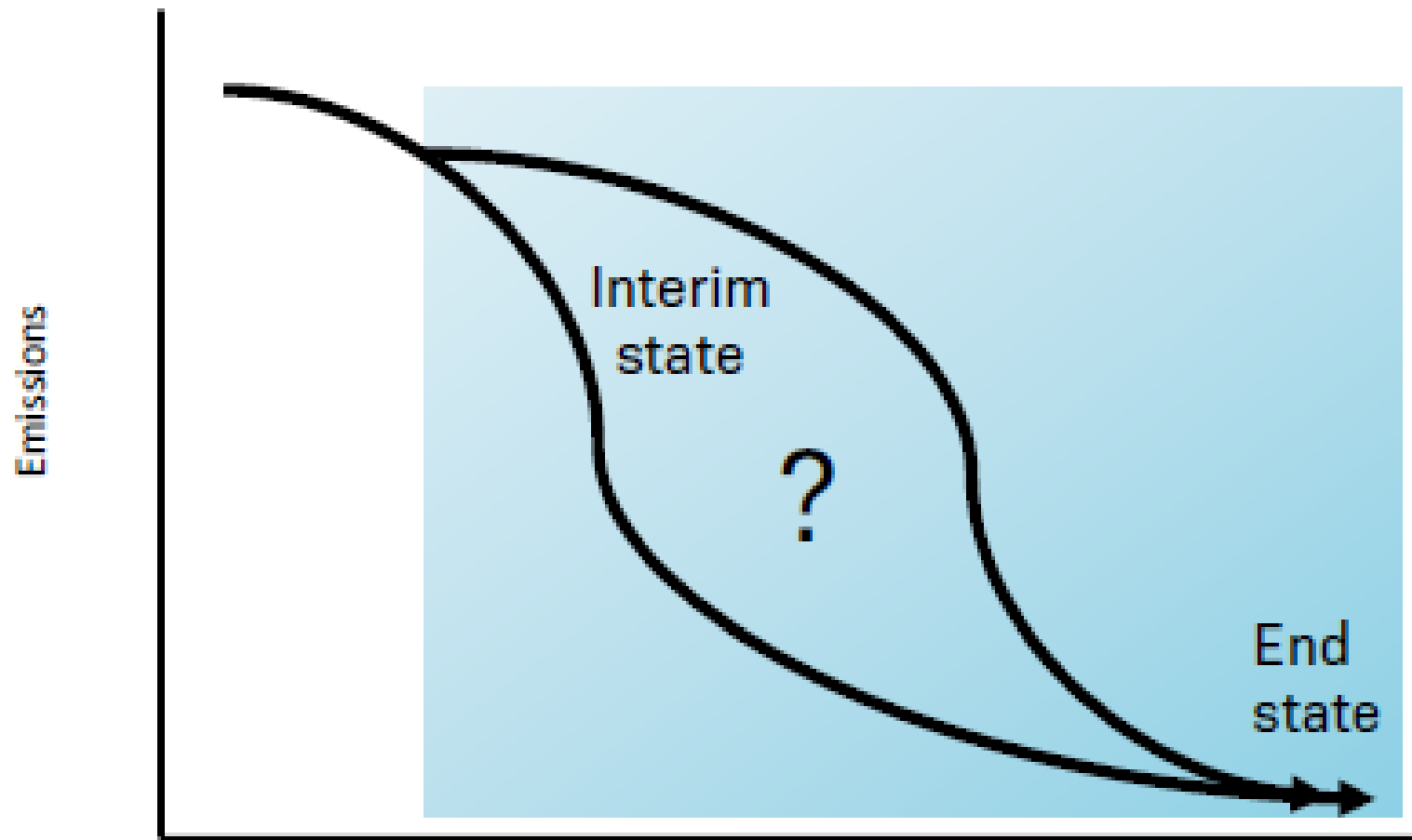
# New Strategy Draft Vision Statement

***“The Ports will collaborate with stakeholders to phase out emissions from seaport-related activities as early as possible this century, supporting cleaner air for local communities and aligning with the international response to limit Climate Change.”***

- Ports will develop shared and independent strategies to reduce air emissions over the following:
  - **Short term**—Present-2025
  - **Medium term**—2025-2030
  - **Long term**—Beyond 2030



# What Will it Take to Achieve the Vision?





# Technology Shifts

## **EXAMPLE: Trucks**

**End State:** Zero emission solution, i.e. electric/hydrogen

### **Current State:**

- Large, prohibitive financial gap between second hand drayage trucks and new technology
- Electric and hydrogen truck technology being piloted for class 8s, but not fully commercially available

### **Interim State Focuses:**

- Focus on gateway efficiency as zero emission tech is not available/practicable
- Facilitate upgrades to newer diesel and/or hybrid and/or near zero trucks



# Stakeholder Committee Meeting Held 7/18



- **Community:** Improve assessment of impacts in near port communities
  - Focus on how to minimize and mitigate
- **Industry:** Zero is a long way off
  - Don't discount near zero and hybrid
  - Operational/cost concerns
- **Env. Groups:** Make sure the language is firm and scope is comprehensive
  - Language specifically calling out limit climate change to 1.5 degrees



# Stakeholder Outreach - Who are we talking to: Partners

**Role:** As founding members we worked with the partner agencies to develop the original strategy in 2007. They continue to play a vital role in the strategy update.



# Who We Are Talking With: Stakeholder Committee

## **Terminal Operators:**

- SSA
- Husky

## **Shippers/Cruise:**

- PMSA
- Cruise Lines International of America

## **Trucking:**

- Washington Trucking Association

## **Labor:**

- International Warehouse and Longshore Union

## **Rail:**

- Burlington Northern Santa Fe

## **Tug Owners/Operators**

- American Waterways Operators

## **Environmental/Health Orgs:**

- American Lung Association
- Climate Solutions
- Environmental Defense Fund

## **Community Organizations:**

- Front and Centered
- Duwamish River Cleanup Coalition
- Port Community Action Team
- Tacoma Urban league
- NE Tacoma
- Citizens for a Healthy Bay

## **Governments and Government Agencies:**

- Department of Commerce: Maritime BLUE
- City of Seattle
- City of Tacoma
- Tribal Governments

## **Utilities**

- Seattle City Light
- Tacoma Power



# Who are we talking to: Other Reviewers

- [Pier 91] Neighborhood Advisory Council
- Pierce County
- King County
- Tacoma Rail
- Union Pacific
- Association of American Railways
- American Association of Blacks in Energy
- WUT
- PCT
- TOTE



# Next Steps

## **Engagement Round 1:**

- Finish compiling feedback and collate with feedback from stakeholder input on the Canadian side

## **Use Round 1 Feedback to Create Discussion Document 2**

- With Port of Vancouver, discuss and develop strategies for reducing emissions
- Develop framework and metrics for assessing progress
- Outreach Round 2 expected in the fall/winter 2019



# Next Steps

## **Use Round 2 Feedback to Create Discussion Document 3**

- Draft of final strategy
  - Includes fully developed emission reduction strategies and reporting framework
- Outreach round 3 expected spring 2019. Stakeholders provide feedback on full draft strategy.
  - Feedback incorporated into draft strategy to be presented to governing bodies

**Final Strategy to be Presented to Managing Members in Spring/Summer 2020 for adoption**

