



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

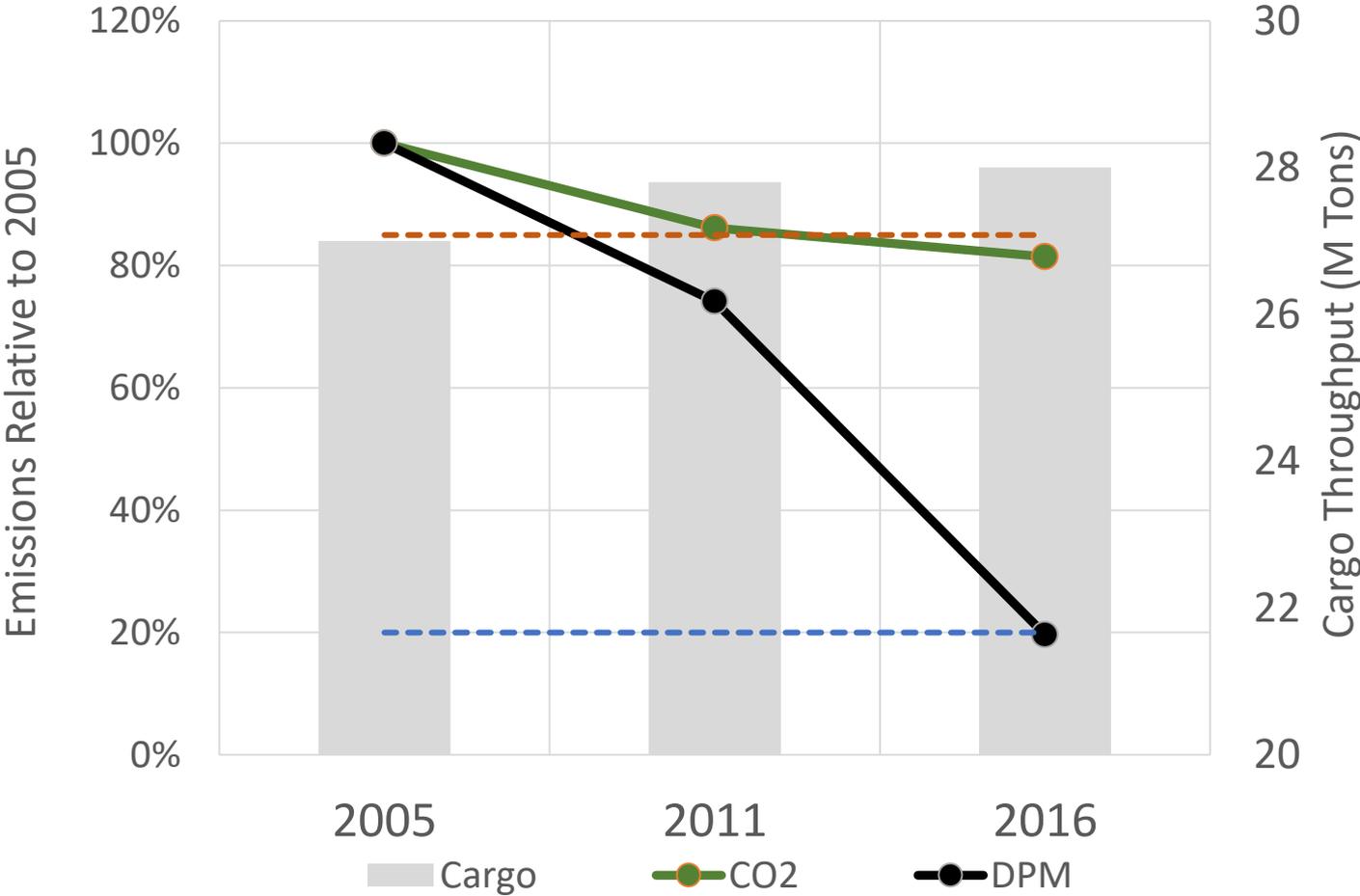
NWPCAS History



- 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



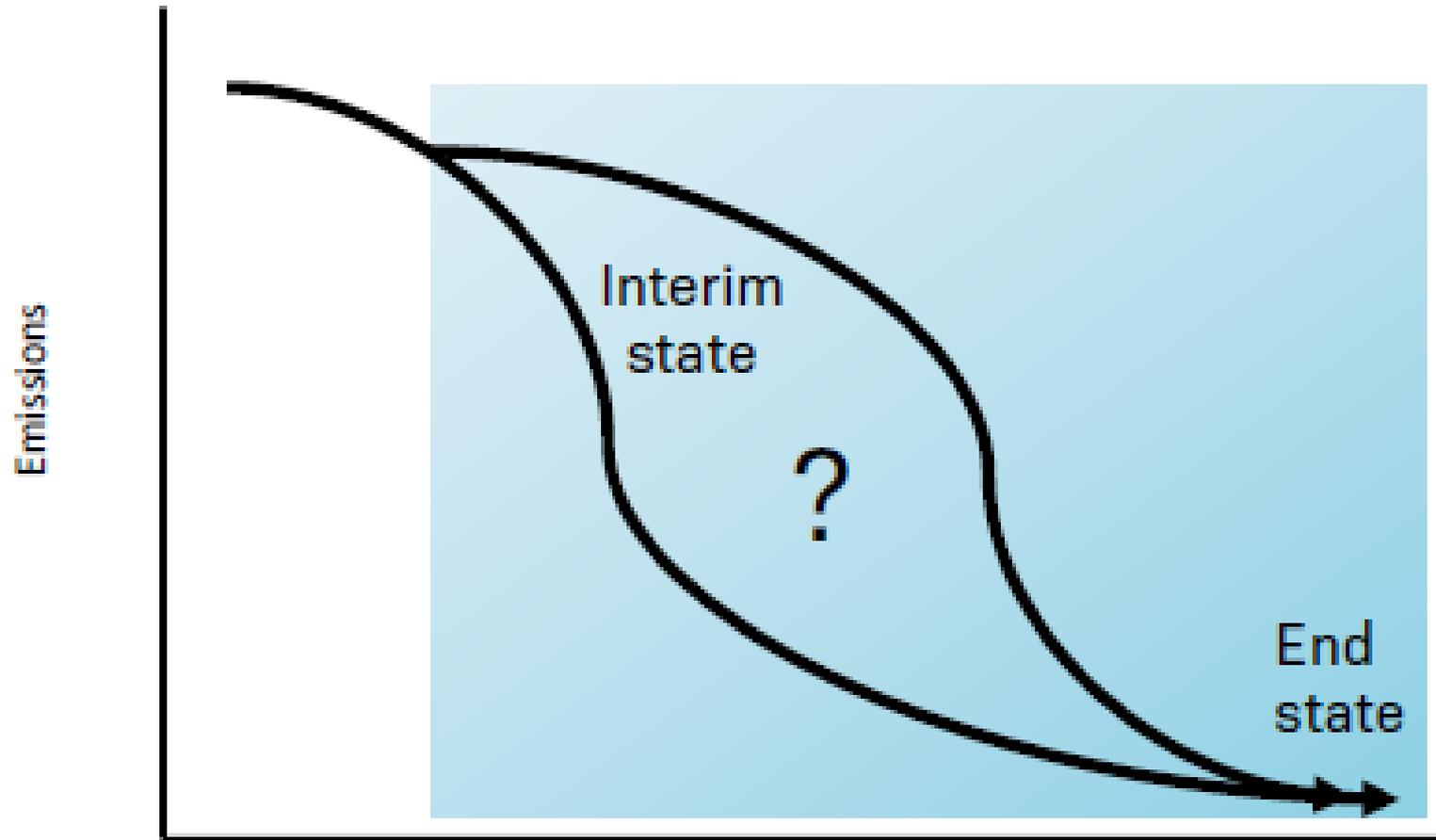
New Strategy Draft Vision Statement

“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

