Objective

Create a voluntary, joint strategy to reduce port-related air emissions that affect air quality and climate change in the Puget Sound/Georgia Basin Airshed
Who’s Involved?

• Partners
  - Port of Tacoma
  - Port of Seattle
  - Vancouver Port Authority (B.C.)

• Collaboration
  - Environment Canada
  - Puget Sound Clean Air Agency
  - U.S. Environmental Protection Agency
  - WA Dept. of Ecology
Importance of the Clean Air Strategy

- Growth in Goods Movement
- Shared Georgia Basin/Puget Sound Airshed
- Port Competitiveness
Puget Sound Maritime Air Emissions Inventory

- 2005 Activity-based inventory
- Spans ~140 miles south-to-north; 160 miles west-to-east
- Close coordination with similar inventory for Georgia Basin
Diesel Particulate Matter From Non-Maritime and Maritime Sources
Puget Sound Clean Air Agency Region, %

- Non-maritime sources: 71%
- Ocean-going vessel maneuvering: <1%
- Ocean-going vessel transiting: 4%
- Ocean-going vessel hotelling: 4%
- Harbor vessels: 14%
- Rail: 2%
- Cargo handling equipment: 3%
- Heavy-duty vehicles: 1%
- Fleet vehicles: <1%
Approach

• Clear, measurable performance goals for each source category

• Encourage ongoing innovation instead of mandated solutions

• Short Term (2010) and Long Term (2015) targets
Performance Goals

- Ocean-Going Vessels: Reduce emissions of PM equivalent to using low sulfur distillate fuels in auxiliary engines in port (by 2010)
- Cargo-Handling Equipment: Use of ULSD or a biodiesel blend in Tier 2 or 3 engines (by 2010)
- Rail: Agreement with a defined performance standards by the end of 2008
- Trucks: Performance standards to be proposed in 11/8 revised draft
- Harbor Craft: Agencies lead
Other Port Trucking Programs

- Port of Los Angeles/Port of Long Beach Clean Air Action Plan
- Port of Oakland Comprehensive Truck Management Program
- Vancouver Port Authority Truck Licensing System
- Virginia Port Authority partnership with U.S. EPA SmartWay
Incentives for Cleaner Trucks

- Funding/Incentives to be explored by Strategy team in 2008
- Possible mechanisms:
  - Grants
  - Low interest loans
  - Tax incentives
  - Rebates
Strategy Next Steps

• Consultation and outreach with industry stakeholders and the public (underway)

• Revised draft to be released on 11/8

• Public meeting on 11/15

• Commission/Board approval in early 2008
Questions?

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