

Draft Northwest Ports Clean Air Strategy 2013 Update

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Port of Seattle

Where a sustainable world is headed.™

The Port's Environmental Commitment

- Goal to be the greenest and most energy efficient port in North America
- Century Agenda: over the next 25 years, add 100,000 jobs through economic growth led by the Port of Seattle while reducing our environmental footprint
- Alignment with City of Seattle environmental goals and climate action plan

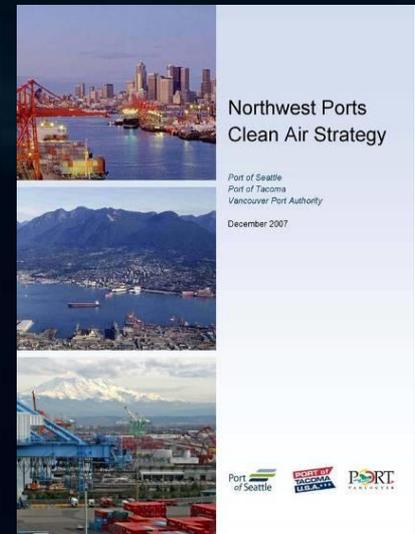
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Emission-Reduction Goals (from 2005 Baseline)

Targeted Emissions	2015 Goals	2020 Goals	Measurement
Diesel particulate matter	75% reduction	80% reduction	Emissions per ton of cargo
Greenhouse gases	10% reduction	15% reduction	Emissions per ton of cargo

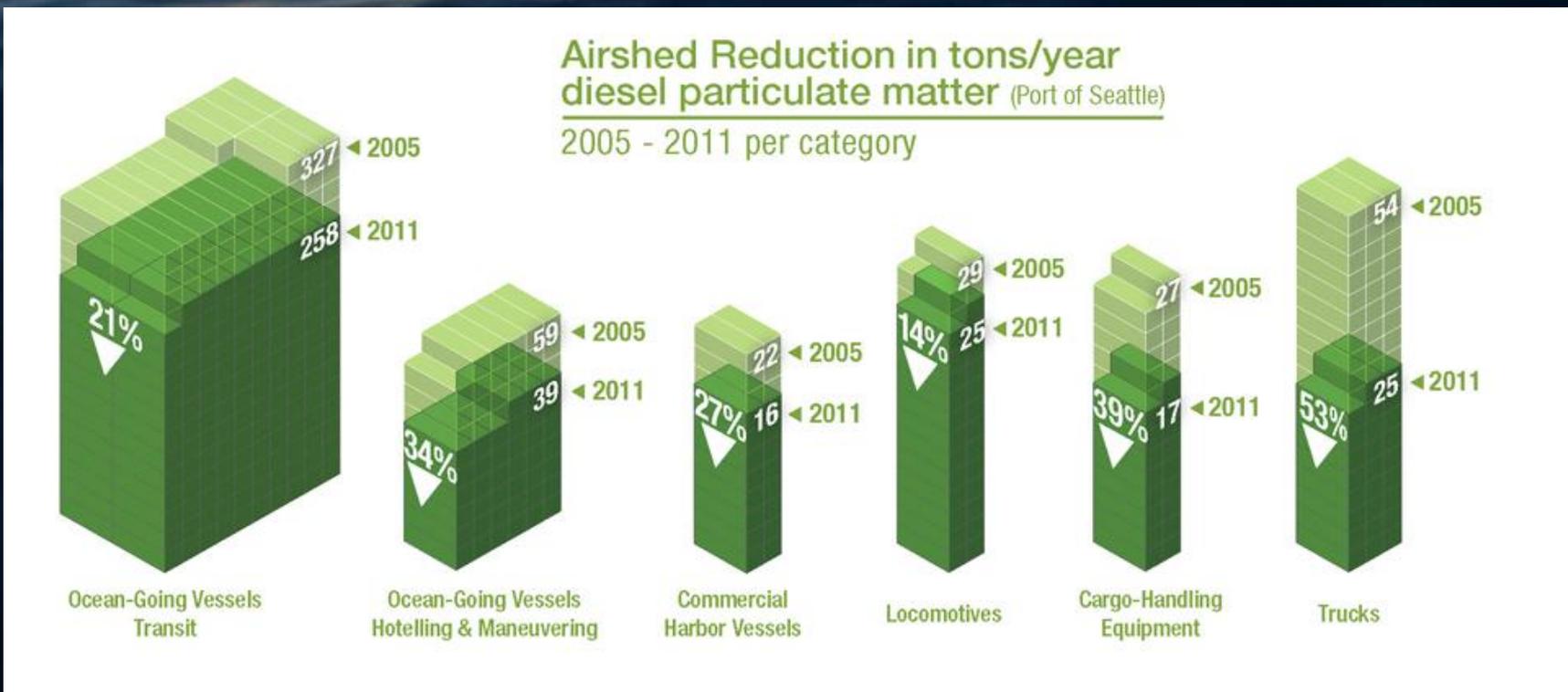
Background

- 2005 Puget Sound Maritime Air Emissions Inventory - 29% of diesel particulate matter in our region was from maritime sources
- Strategy adopted in 2008
- Port partners: Ports of Seattle, Tacoma and Metro Vancouver, B.C.
- Regulatory partners: US EPA, WDOE, Puget Sound Clean Air Agency, Environment Canada, Metro Vancouver



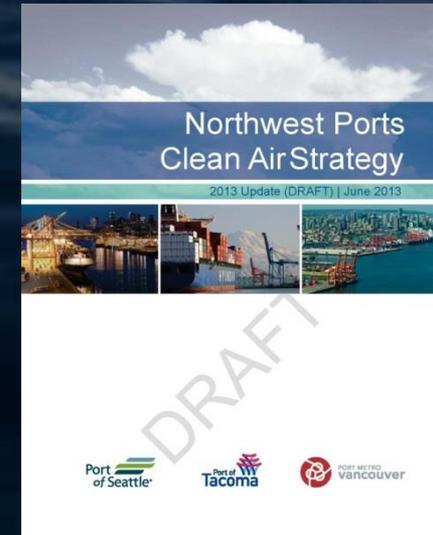
2011 Emission Inventory Results: Port of Seattle

- 27% reduction in diesel particulate matter emissions since 2005
- 5% reduction in greenhouse gas emissions since 2005



Why a Strategy Update?

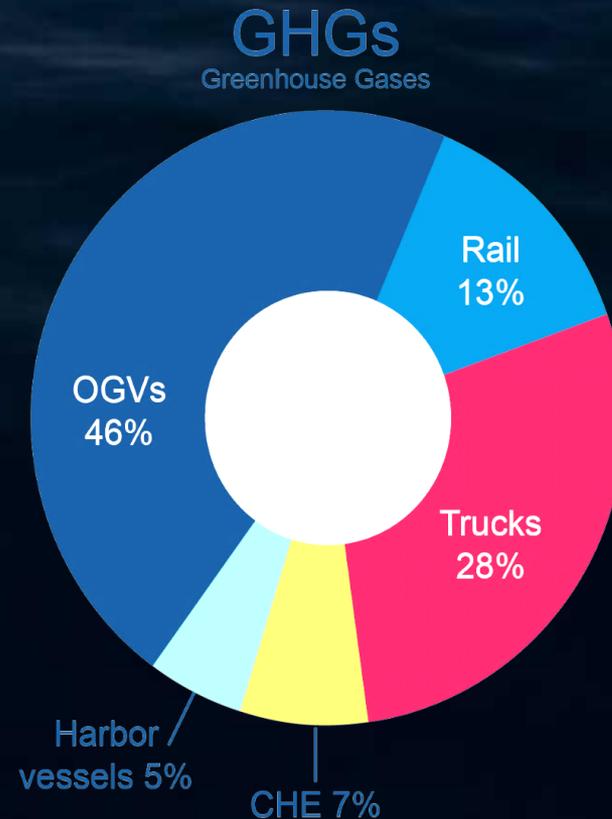
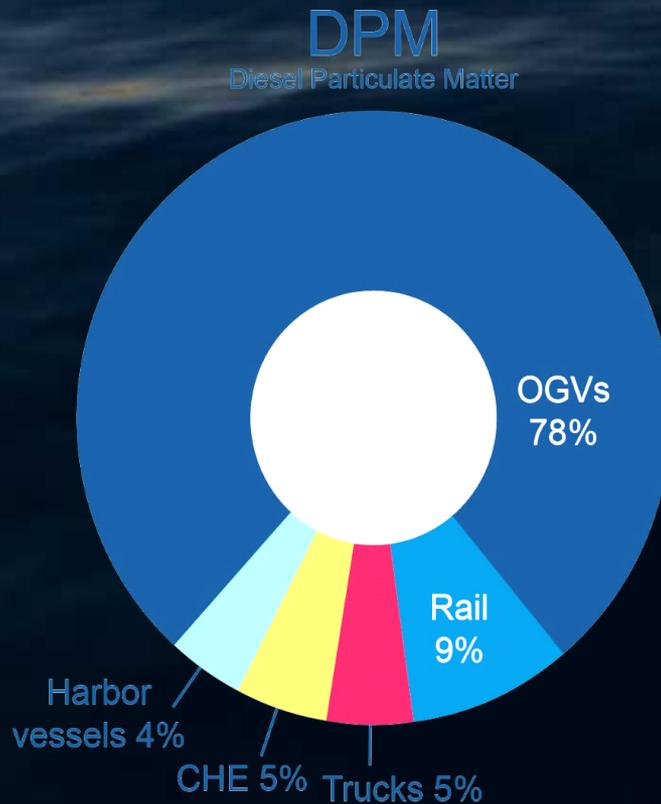
- To refocus efforts based on:
 - Emission inventory results
 - New regulations
 - New technologies



Update includes:

- Numeric emission reduction goals
- Updated performance targets by sector for 2015
- New performance targets by sector for 2020
- Commitment to pilot/demonstration projects

Port-Related DPM and GHG Emissions by Sector from the Three Ports, 2010-2011



Performance Targets – Themes

- Continue focus on cleaner engines & fuels (addresses Diesel Particulate Matter)
- Increased focus on efficiency gains such as fuel conservation, 3rd party certifications to rate best practices (addresses Greenhouse Gases)
- Acknowledged, but not quantified: significant influence of broader transportation system on emissions/efficiency of truck/rail movement
 - Heavy haul routes
 - Faster freight corridors
 - Truck parking

Targets for Trucks

Actions	2015 Targets	2020 Targets	Reduces	
			DPM	GHG
Trucks meet or surpass EPA emission standards for model year 2007	80% of trucks	100% of trucks (by 2017)	✓	
Ports, terminals, and trucks have fuel-use reduction plans in place that promote continuous improvement (e.g., USEPA SmartWay, Transport Canada Truck Reservation Systems Program)	Ports	Ports, terminals, and 50% of trucks	✓	✓

Pilot & Demonstration Projects

- Important for advancing new and existing technology and best practices
- Each port will engage in at least one pilot/demonstration project each year
- Results will be shared with stakeholders & included in annual progress reports

Next Steps

- Accepting public comments through July 31, 2013
- The draft plan can be viewed at http://www.portseattle.org/Environmental/Air/Seaport-Air-Quality/Documents/NWCleanAirUpdate_2013.pdf
- Submit comments to cleanair@portseattle.org or in writing at P.O. Box 1209, Seattle WA 98111