



PORT METRO
vancouver

Port Metro Vancouver
Air Action Program and
the Northwest Ports
Clean Air Strategy

Faster Freight Cleaner Air
Seattle

September 17, 2008

Darrell Desjardin

Director

Environmental Programs

Air Action Program

- Future: Sustainable Growth
- Port Metro Vancouver is committed to reducing port-related contributions to air quality and climate change and achieve *co-benefits* wherever possible to ensure both goals are met

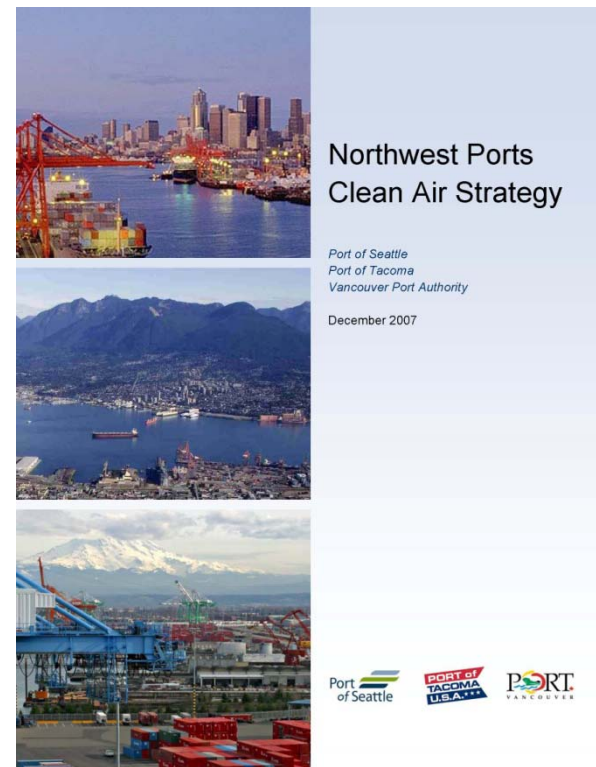
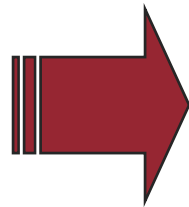
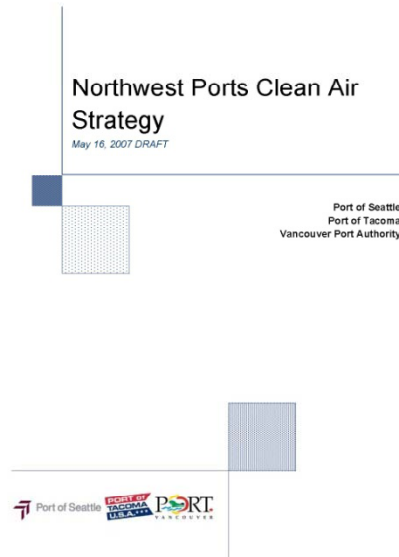


Air Action Program

- Four areas of focus:
 - Data baseline and progress tracking
 - Improving operational efficiency
 - Technological innovation and cooperation
 - Bridging regulatory change

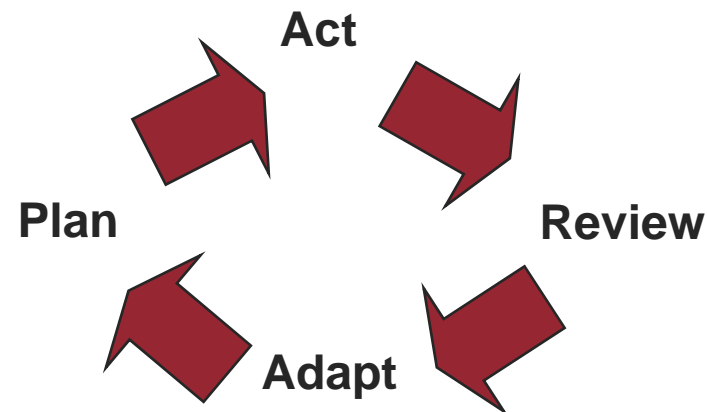


Northwest Ports Clean Air Strategy



Data Baseline and Progress Tracking

- Ocean going vessel emission inventory led by BC Chamber of Shipping
- Lower Mainland Port Land-Based Emission inventory-CHE, trucks and rail
- Provide benchmark of emissions in 2005
- Track progress towards reducing emissions into future



Technology, Operations and Regulation

- Shore Power-Canada Place cruise terminal
- Differentiated Harbour Dues Program
- Container Truck Licensing System



- Hybridization-CHE, locomotives, pool vehicles
- Engine Optimization-locomotives
- Idle reduction-technology and education
- Biodiesel-CHE and trucks
- Hydrogen-Port security truck

Ocean Going Vessels

- Implemented Differentiated Harbour Dues Program April 1, 2007
 - Gold, Silver and Bronze categories - incentives and recognition for ships using cleaner (lower sulphur) fuels and technologies



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Truck Licencing System (TLS) Existing Environmental Requirements

	April 1, 2008	April 1, 2009
Age	<ul style="list-style-type: none"> •Trucks 1988 and older no longer allowed without approved age exception 	<ul style="list-style-type: none"> •Trucks 1993 and older no longer allowed without approved age exception
Opacity	<ul style="list-style-type: none"> •1993 and older trucks must be tested and pass existing ACOR opacity •55% for 1990 and older •40% for 1991 and newer •One year exemption for $\leq 10\%$ opacity 	<ul style="list-style-type: none"> •All trucks must be tested and pass 20% •One year exemption for $\leq 10\%$ opacity
Idling	<ul style="list-style-type: none"> •No more than 3 consecutive minutes in any 60 minute period 	<ul style="list-style-type: none"> •No more than 3 consecutive minutes in any 60 minute period
Awareness Program	<ul style="list-style-type: none"> •Mandatory PDF review 	<ul style="list-style-type: none"> •Mandatory PDF review





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Thank You

