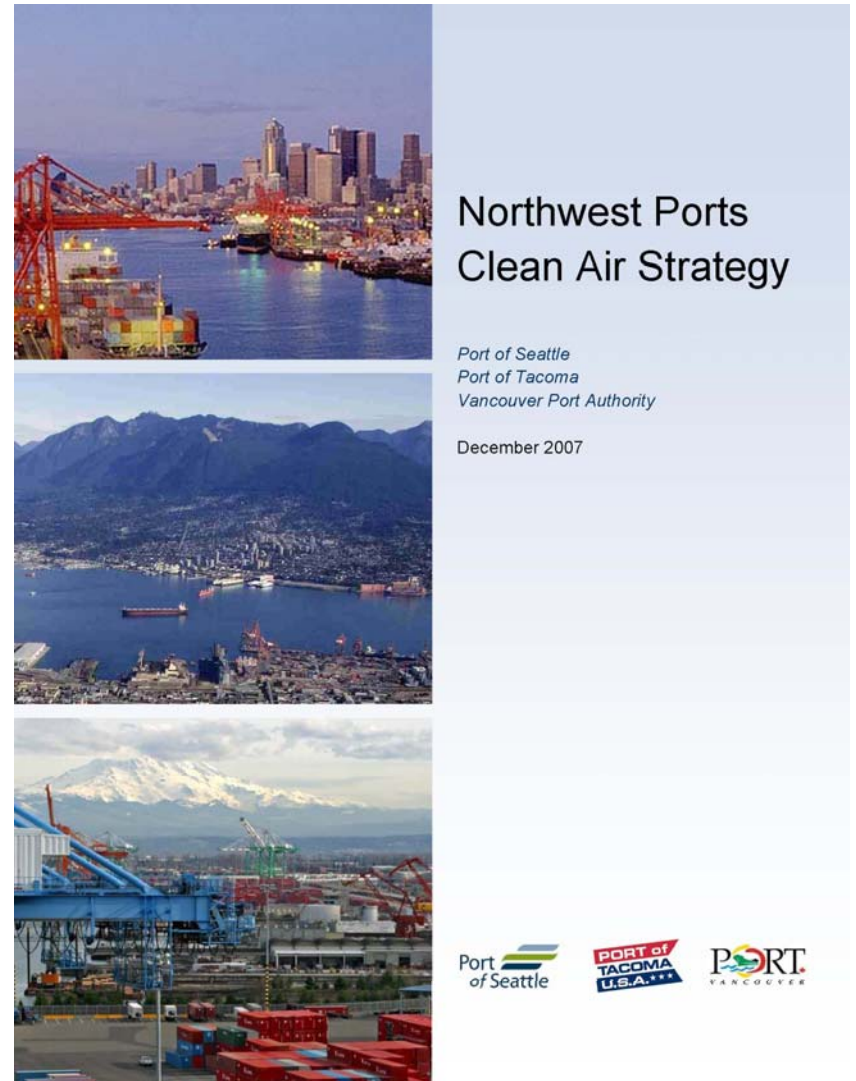
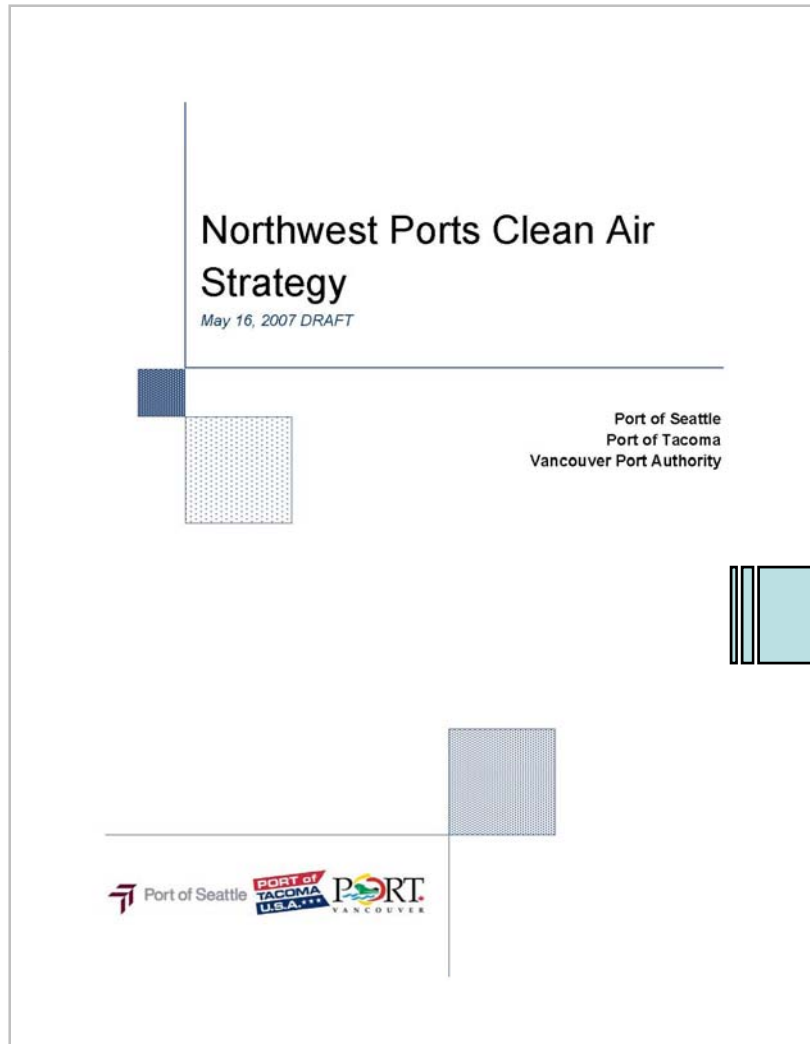


Northwest Ports Clean Air Strategy



An aerial photograph of the Puget Sound region in Washington state. In the background, the snow-capped peak of Mount Rainier rises above a layer of haze. The foreground shows a dense urban area with buildings and streets, and a large body of water (the Puget Sound) with several boats. The overall scene is captured from a high angle, looking across the city towards the mountain.

Northwest Ports Clean Air Strategy 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

Partners



Environment
Canada

Environnement
Canada

Strategy Approach

- **Clear, measurable performance measures**
 - Ocean-going vessels (OGV)
 - Cargo handling equipment (CHE)
 - Trucks
 - Rail
 - Harbor vessels
- **Encourage ongoing innovation instead of mandated solutions**
- **Short Term (2010) and Long Term (2015) targets**
- **Baseline is 2005 Puget Sound Maritime Air Emissions Inventory**

Performance Measures

	2010	2015
Ocean-Going Vessels	Use distillate fuels at berth	Meet IMO standards
Cargo-Handling Equipment	Tier 2 off road engines or better (model year depends on horse power)	Tier 4 off road engines or better for 80% of equipment and best available emission control devices for rest
Rail	Expedite EPA SmartWay standards	Comply with EPA's 2007 locomotive rules
Trucks	1994 or better emission standards	80% to meet 2007 emission standards
Harbor Vessels	Low-sulfur fuels, new technologies	Advanced technology pilot projects

2008 Implementation Commitments

- Implementation details with stakeholders
- Verification and reporting requirements
- Identify and secure funding for incentives
- Port Metro Vancouver stakeholder consultation Spring/Summer 2008; adoption Fall 2008

What have we been doing since May 2007?

- Extensive Stakeholder Consultation and Outreach
 - Public meetings and comment periods
 - Stakeholder work groups (ongoing)
- Strategy Adoption
 - Port of Tacoma Commission: 1/18/2008
 - Port of Seattle Commission: 1/22/2008
 - Port Metro Vancouver Board: Expected Fall 2008
- Federal Maritime Commission Approval
 - Port of Seattle/Port of Tacoma Puget Sound Air Quality Discussion Agreement (5/28/08)
- Funding
 - U.S. Environmental Protection Agency grant applications with Port of Tacoma and Puget Sound Clean Air Agency
 - Applications to WA Dept. of Ecology for CHE replacements and retrofits

Port of Seattle

Implementation Status

- Continuing to develop implementation details with stakeholder input
- Focus on trucks, OGV, and CHE
 - Presenting truck program recommendations to Commission on 10/14
 - Developing incentive program for use of cleaner fuels in OGV auxiliary engines while at berth
 - Multiple grant applications to meet CHE performance measures