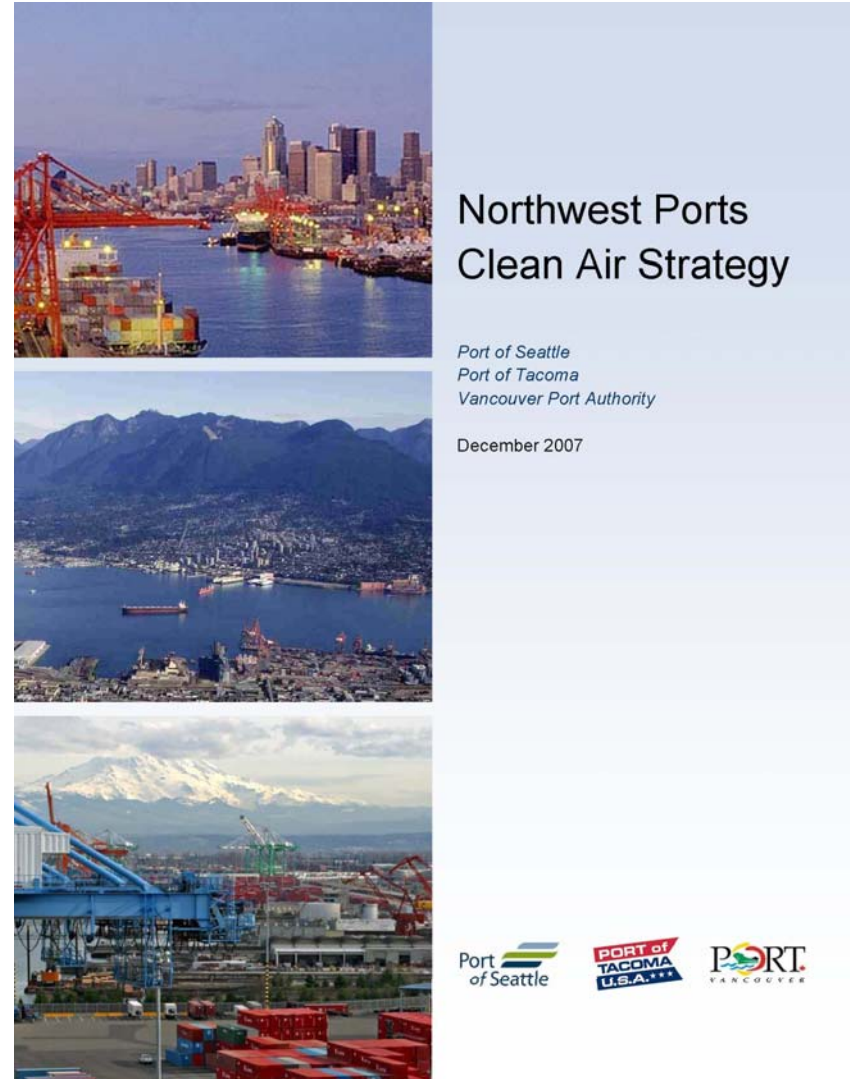
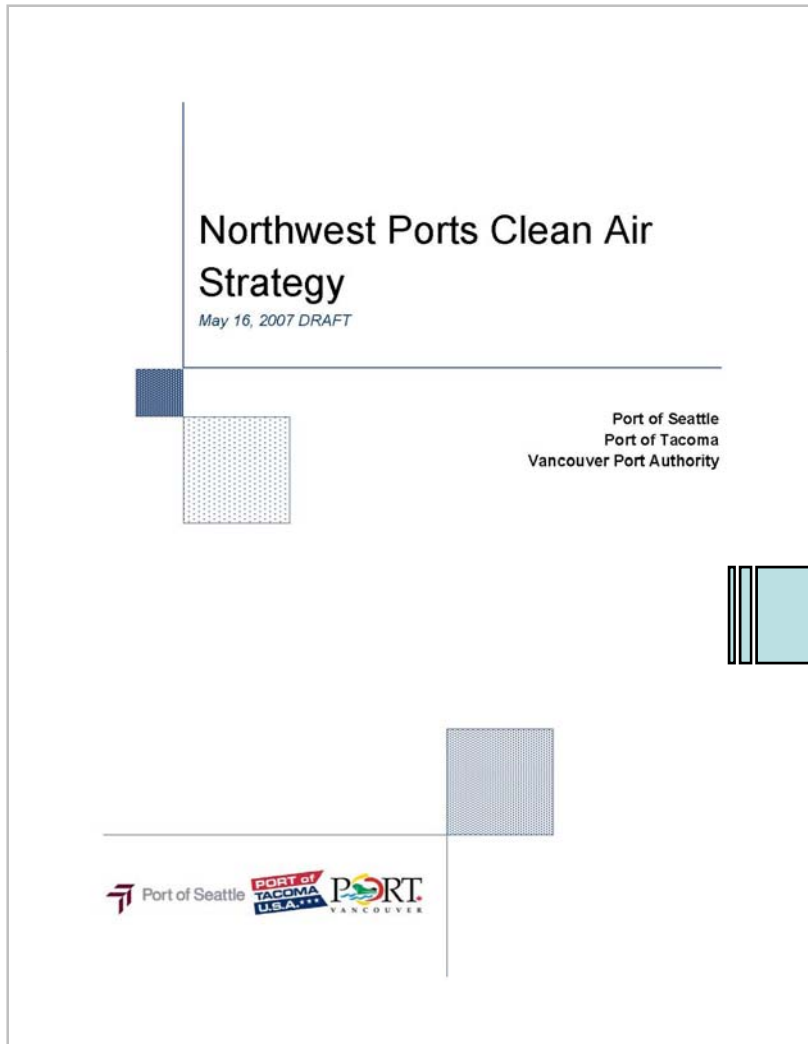


Northwest Ports Clean Air Strategy



An aerial photograph of a coastal city, likely Seattle, with a large mountain (Mount Rainier) in the background. The city is densely packed with buildings and greenery, and the water is visible in the foreground. The sky is clear and blue.

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