



WEST COAST COLLABORATIVE

Public-private partnership to reduce diesel emissions

The goal of the Collaborative is to leverage significant federal funds to reduce emissions from the most polluting diesel sources in the most affected communities. The Collaborative seeks to significantly improve air quality and public health by targeting the highest polluting engines with the most cost effective control strategies.

Holland America Cruise Vessel Seawater Scrubber Demonstration Project

The West Coast Collaborative is pleased to announce that EPA has selected the Holland America Cruise Vessel Seawater Scrubber Demonstration Project for \$300,000 in EPA funding. The project will be implemented with \$700,000 in leveraged funding.

What is the Holland America Cruise Vessel Seawater Scrubber Project?

The Puget Sound Clean Air Agency (PSCAA) has partnered with the Holland America Line (HAL) group (Holland America Line, Carnival Cruise Line, Princess Cruises, British Petroleum, and Caterpillar), Environment Canada, and the BC Clean Air Research Fund to demonstrate the feasibility and effectiveness of advanced seawater scrubbing technology at reducing emissions. The project partners will achieve this goal by designing, installing, and testing scrubbing technology on a 1,500 passenger cruise ship, HAL's Vessel ms Zaandam, which operates in Hawaii, Alaska, and along the West Coast.

Why is this project important?

The advanced seawater scrubber technology is expected to significantly reduce emissions of sulfur oxides (SOx), nitrogen

oxides (NOx), and particulate matter (PM), improving air quality both at ports and along the West Coast. The projected reductions for the Vessel ms Zaandam are:

- 10% removal of NOx
- 98% removal of Sox
- 50-80% removal of PM

How is this project funded?

EPA is providing \$300,000 to fund this project. The HAL group, Puget Sound Clean Air Agency, Environment Canada, and the British Columbia Clean Air Research Fund are providing a combined total of \$700,000 in leveraged funds.

What is the Collaborative?

The West Coast Collaborative is an ambitious partnership between leaders from federal, state, and local government, the private sector, and environmental groups committed to reducing diesel emissions along the West Coast. Partners come from all over Western North America, including California, Oregon, Washington, Alaska, Arizona, Idaho, Nevada, Hawaii, Canada and Mexico. The Collaborative is part of the National Clean Diesel Campaign (www.epa.gov/cleandiesel).

How can I find out more about the Collaborative?

For more information, please contact Peter Murchie (murchie.peter@epa.gov, 503-326-6554) or visit our website at www.westcoastcollaborative.org.