



WEST COAST COLLABORATIVE

A public-private partnership to reduce diesel emissions

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

Marine Repower project impacting the Columbia, Snake and Willamette Rivers

The West Coast Collaborative funded The Oregon State Department of Environmental Quality \$482,476 under the Diesel Emission Reduction Act (DERA), in May 2010, to repower engines on four pilot launch boats and one towboat. The project will be implemented with over \$460,000 in leveraged funding.

What is the Project?

The Oregon Department of Environmental Quality (ODEQ) in partnership with Bernert Barge Lines, Inc. and Anchorage Launch Service Company will repower four pilot launch boats and one towboat with certified engine technology. With these funds, ODEQ will award sub-grants to the partnership companies who will in turn contribute an additional 50% voluntary cost share for the completion of this project.

Why is this project important?

Marine vessels can be a significant source of emission within an air shed especially NO_x and particulate matter (PM) that can result in adverse public health and environmental consequences. These repowers will substantially reduce toxic diesel emissions and improve air quality along the Columbia, Willamette and Snake Rivers which is the largest inland waterway system west of the Mississippi River.

What are the estimated environmental/economic benefits?

Through the use of Tier II engines, this project expects to demonstrate the following lifetime reductions: 1,229.2 tons of NO_x, 114.5 tons of particulate matter (PM), 48.7 tons of HC, 187.6 tons of CO and 2640.8 tons of CO₂. The anticipated cost effectiveness of this project in terms of dollars per ton are \$752 NO_x, \$8,070 PM, \$18,973 HC, \$4,925 CO and \$350 CO₂ these reduction benefits make this a very cost effective project.

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, on the West Coast Collaborative, please visit our website at www.westcoastcollaborative.org. For more information about this project or about the Marine Vessels & Ports Sector, please contact Francisco Doñez: domez.francisco@epa.gov.