



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.

Puget Sound Clean Air Agency (PSCAA) – Harley Marine *Eagle* Tugboat Repower Project

The West Coast Collaborative is pleased to announce that EPA has selected the Puget Sound Clean Air Agency for \$650,000 in EPA funding. The project will be implemented in partnership with Harley Marine Services and Washington Department of Ecology.

What is the Harley Marine Eagle Tugboat Repower Project?

The project will repower the tugboat *Eagle* with two new Tier 2 main engines and two Tier 3 auxiliary engines replacing all four of the old, uncertified diesel engines. As an investment in the region's goods movement sector, the *Eagle* repower helps promote economic recovery through jobs creation/retention in the maritime sector, ranging from engine manufacturers, shipyards, engine dealers, and related industries.

Why is this project important?

This Puget Sound tugboat repower project provides short-term relief, as well as long-lasting emission reductions and public health benefits in areas of high population density, poor air quality, and heavy diesel fleet activity. According to the 2005 Puget Sound Maritime Air Emissions Inventory, maritime-related activities are a major contributor to air emissions in the region, accounting for 28 percent of all DPM emissions. Over 90% of the marine-related DPM emissions are related to harbor vessels, ocean-going vessels, and cargo-handling equipment. Harbor vessels include tugboats, fishing

vessels, ferries and excursion boats. Repower projects such as this will reduce highly toxic DPM emissions, NOx and CO in the harbor and help protect the health of port workers and local residents.

What are the estimated environmental benefits?

The Harley Marine project will reduce annual emission of CO by 4.49 tons; NOx by 30.59 tons; HC by 0.43 tons; PM2.5 by 1.14 tons; and CO2 by 78.5 tons.

How is this project funded?

Through EPA and National Clean Diesel Funding Assistance Program, the West Coast Collaborative is providing \$650,000 in funds in support of this project. Additionally, the project anticipates a mandatory match of \$610,076 from Harley Marine Services, Inc., and \$100,000 from Washington State Department of Ecology.

Who are the partners on this project?

Puget Sound Clean Air Agency and Harley Marine Service.

What is the Collaborative?

The West Coast Collaborative is a partnership between leaders from federal, state, and local government, the private sector, and environmental groups committed to reducing diesel emissions along the West Coast and is part of the National Clean Diesel Campaign: www.epa.gov/cleandiesel. For more information, on the West Coast Collaborative, please visit our website at www.westcoastcollaborative.org.

How can I find out more about the Collaborative?

For more information about this project or the West Coast Collaborative Ports/Marine Sector, please contact Dan Brown at brown.dan@epa.gov