



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.

DERA 2011 – The Tulalip Tribe of the Tulalip Reservation (Washington) – Fishing Fleet Certified Engine Repower Project

The EPA funded The Tulalip Tribe (Washington State) \$576,525 under the Diesel Emission Reduction Act (DERA), in September 2011, to repower marine fisheries vessels and enforcement/rescue marine vessel with new, low-emission diesel engines. These vessels are used for gillnet fisheries, dive fisheries, and for the enforcement and rescue patrol along the Tulalip Bay. The project will be implemented with over \$192,808 in leveraged funding.

What is the Project?

The Tulalip Tribe will repower (13) tribal marine vessels with (15) new low-emission diesel engines. The vessels are used for gillnet fisheries (salmonids), dive fisheries (shellfish), and for enforcement and rescue purposes.

Why is this project important?

Repowered marine vessels are some of the most effective and cost-effective targets for NOx and PM reduction. In 2010, the Emission Inventory for the greater Tulalip Bay air shed identified marine vessel engines as the largest contributor of SO₂, PM 2.5, and Hydrocarbons. In the Tulalip fishing fleet, the majority of the diesel vessels in service are propelled by engines

built prior to 1995. With poor engine performance, low fuel efficiency and high emissions associated with the older engines, the vessels have a high annual activity level within and outside the Tulalip Bay.

What are the estimated environmental benefits?

Repowering the fishing fleet vessels and the enforcement/rescue patrol boat will achieve the following lifetime reductions: 34.10 tons of NO_x, 0.55 tons of particulate matter (PM), 0.12 tons of HC, and 3.62 tons of CO.

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 Dan Brown at brown.dan@epa.gov.