



## 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 - Makah Indian Tribe of the Makah Indian Reservation – Sustainable Fishing Fleet Project

**The EPA funded The Makah Tribe \$750,000 under the Diesel Emission Reduction Act (DERA), in September 2011, to repower nine engines from their tribal commercial fishing fleet vessels located in Neah Bay, Washington(Clallam County). The project will be implemented with \$207,767 in leveraged funding.**

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### What is the Project?

The Makah Tribe in partnership with 12 tribal fleet owner/operators will repower nine commercial marine vessels. The Makah Tribe will in turn contribute 25% voluntary cost share for the completion of this project.

### Why is this project important?

The Makah Air Quality Program's "2003 Makah Emission Inventory" was instrumental in the development of the Makah Air Quality Program strategic efforts that identified mobile marine diesel emissions as a major area of concern, both locally, and within the Strait of Juan de Fuca, located along the Pacific Ocean coastline. Clallam County was identified as an area with the highest levels of NOx, SO2, PM 10, PM 2.5, and DPM emissions out of all 12 counties inventoried in Washington State. The engine repowers will vastly improve fuel efficiency, not only by decreasing marine fuel consumption and diesel emissions, but also cutting down on fuel costs, therefore, helping make the fishing

businesses that own these vessels more competitive in the market place.

### What are the estimated environmental benefits?

Repowering the nine marine vessels with Tier 2 certified engine configuration will achieve the following lifetime reductions: 83.643 tons of NOx, 3.052 tons of particulate matter (PM), 1.477 tons of HC, 11.123 tons of CO and 1,406.167 tons of CO2.

### 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](http://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](http://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](mailto:brown.dan@epa.gov).