



## 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 2014 – The Lummi Nation of the Lummi Reservation in Washington State – Marine Engine Repower Project

**Under the Diesel Emission Reduction Act (DERA), the EPA and the West Coast Collaborative (WCC) funded The Lummi Nation of the Lummi Reservation (Washington State) a \$77,250 grant from 2014 fiscal year Request for Proposals. The grant will reduce diesel pollution from two marine fishing fleet vessels. The total project cost will be \$125,640 with a Mandatory Cost Share of \$25,750, and a Voluntary Cost Share of \$22,640.**

### **What is the Project?**

The Lummi fishing fleet has (37) marine vessels powered with diesel engines in the Lummi fleet. This grant will replace older, more polluting diesel engines, with new low emission diesel engines in two of the marine fleet vessels. The vessels are used throughout the year in harvesting salmon, halibut, crab, and shrimp fisheries.

### **Why is this project important?**

The Lummi Reservation is located in Whatcom County, in Washington State. It is ranked among the 80<sup>th</sup> percentile of the worst counties in the United States for the number of people living in areas where cancer risk from HAPs (Hazardous Air Pollutants) exceeds 1 in 10,000, of which Diesel Emissions has been a high contributing factor. The

average year of diesel engines in the Lummi fishing fleet is 1992. Older engines such as these have poor performance, low fuel-efficiency, and high emissions. Repowering these marine vessels is one of the most efficient and cost-effective techniques for cleaner air and a healthier environment.

### **What are the estimated environmental benefits?**

Repowering the fishing fleet vessels will achieve an annual NOx emissions reduction of 6.7 tons, and 0.456 tons in PM2.5 annual emissions reduction. Over the 25-year lifetime of the repowered engines, diesel emission will be reduced by 37.6% (52.91 tons) for NOx and by 16.7% (0.565 tons) for PM2.5.

### **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 and Ports Sector, please contact Lucita Valiere, EPA Project Officer at 206-553-8087 or email at [valiere.lucita@epa.gov](mailto:valiere.lucita@epa.gov).