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 Tribal 2019: The Lummi Tribe of the Lummi Reservation – Marine Engine Replacement Program (Phase 5)

Under the Diesel Emission Reduction Act (DERA), the EPA awarded the Lummi Tribe located in Washington State a $416,418 grant with Fiscal Year 2019 funding. The grant will fund marine engine replacements to nine marine fisheries vessels with new, low-emission diesel engines. These vessels are used throughout the year for salmon, halibut, crab, and shrimp fishing. The project will be implemented with a cost share from the Lummi Tribe of $160,890, with a total project cost of $577,308.

What is the Project?

The Lummi Tribe of the Lummi Reservation will work with individual tribal members who own the fishing vessels involved in this project to repower nine (9) tribal marine vessels with nine (9) new, low-emission diesel engines. These vessels are used throughout the year for salmon, halibut, crab, and shrimp fishing.

Why is this Project Important?

Whatcom County is ranked among the 80th percentile of the worst counties in the U.S. for the number of people living in areas where cancer risk from Hazardous Air Pollutants exceeds 1 in 10,000 according to the EPA's National-Scale Air Toxics Assessment. Diesel emissions are identified as the predominant source of cancer risk. Repowered marine vessels are some of the most effective and cost-effective targets for nitrogen oxides (NOx) and particulate matter (PM) reductions. In the Lummi fishing fleet, approximately 50% of vessels in service are propelled by diesel engines older than 21 years. Compounding the poor engine performance, low fuel efficiency and high emissions associated with older engines, the vessels have a high annual activity level around the Puget Sound waters of Whatcom County.

What are the Estimated Environmental Benefits?

Repowering the fishing fleet vessels is projected to reduce the diesel emissions of nitrogen oxides (NOx) by 14.902 tons and particulate matter 2.5 ($PM_{2.5}$) by 0.195 tons over the lifetime (25 years) of the repowered engines.

How is this Project Funded?

The West Coast Collaborative is a partnership between leaders from federal, tribal, 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.

Where can I find more information?

For more information on the West Coast Collaborative, please visit our website at: www.westcoastcollaborative.org. For more information about this project, please contact Lucita Valiere at valiere.lucita@epa.gov.