



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 – Alaska Department of Environmental Conservation (ADEC) – Diesel Emission Reduction Project

The EPA funded The Alaska Department of Environmental Conservation \$188,742 under the Diesel Emission Reduction Act (DERA), in August 2011 for their Diesel Emission Reduction Project.

What is the Project?

The Alaska Dept. of Environmental Conservation (ADEC), in partnership with the Alaska Energy Authority (AEA) and the Alaska Village Electric Cooperative, Inc. (AVEC) is funding heat recovery projects in two rural Alaskan Native Villages, Goodnews Bay and Shungnak. Heat will be recovered from the electric power plant diesel engines and used to reduce the heat load in public facilities in the communities

Why is this project important?

Electricity in rural Alaska villages is generated by local power plants with diesel engines. One method to reduce emissions and improve the overall efficiency of the diesel engines and energy use in the villages is to utilize recovered exhaust heat to reduce the energy demand.

What are the estimated environmental/economic benefits?

The project is expected to reduce diesel fuel consumption by 10,800 gallons a year leading to the following lifetime reductions: 165.60 tons of NO_x, 5.0 tons of particulate matter (PM), and 8,000 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).

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 Non-road Engine and Distributed Energy Sector, please contact Wayne Elson at elson.wayne@epa.gov