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 2016: Chalkyitsik Village Council - Generator Replacement Project – Chalkyitsik, Alaska

The West Coast Collaborative (WCC) is pleased to announce that EPA awarded the Chalkyitsik Village Council, located in the State of Alaska, a $212,343 grant with 2016 funding. The grant will help to fund a project in their village to reduce diesel pollution from their existing non-road generators to new, cleaner generators. The project will be implemented with a mandatory cost share from the village in the amount of $53,876 with a total project cost of $266,219.

What is the Project?

The project will replace two non-certified Tier 0 stationary diesel generators in the power plant in Chalkyitsik, Alaska with new, cleaner, certified marine engine generator repowers at the Tier 3 level.

Why is this project important?

The project will result in significant emission reductions. Currently, the power generation in rural Alaska depends on diesel generators. These often are situated close to the center of the village, homes, work places, and schools. Replacing the generators in these facilities with new generators that meet more stringent emission requirements will reduce community exposure to diesel emissions. The Tier 3 generators are also more fuel efficient than the Tier 0. With improved efficiency, it will require less fuel, leading to the added benefit of lowered fuel costs.

What are the estimated environmental benefits?

Annually, the project is expected to produce reductions of fine particulate matter (PM2.5) emissions by0.563 short tons; NOx emissions by 21.291 short tons; HC by 0.523 short tons; CO by 3.484 short tons; and CO2 by 171.6 short tons. Annual fuel use is expected to be reduced by 15,461 gallons. The estimated lifetime emissions reductions for PM2.5 are 6.759 short tons; NOx are 255.493 short tons; HC are 6.271 short tons; CO are 41.808; and CO2 are 2,059.4 short tons. Estimated lifetime fuel reductions are 185,532 gallons.

What is the Collaborative?

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.

How can I find more information?

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