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: Tanana Chiefs Conference – Generator Replacement Project

Under the Diesel Emission Reduction Act (DERA), the EPA awarded the Tanana Chiefs Conference a $149,528 grant with Fiscal Year 2019 funding. The grant will fund the replacement of stationary, non-road diesel generators with low-emission, higher Tier generators in two rural Alaska Villages. These generators are used throughout the year to provide power to the community. The project will be implemented with a cost share of $379,364 from the Villages and the VW Tribal Trust, for a total project cost of $528,892.

What is the Project?

Tanana Chiefs Conference will replace two (2) stationary, non-road diesel generators in the Village of Venetie and three (3) stationary, non-road diesel generators in the Village of Koyukuk with low-emission, higher Tier generators. These generators are used throughout the year to provide power in Koyukuk and Venetie.

Why is this Project Important?

The Villages of Koyukuk and Venetie have stand-alone electric grids that use diesel generators to produce nearly all the electric power in their communities. Both powerplants are located in the center of the community in close proximity of the school, water plant, tribal office, and health clinic. This project will reduce emissions from the powerplants in Koyukuk and Venetie and surrounding areas, helping to improve air quality and protect public health.

The installation of new generators will also increase the heat pulled off the engines and reduce fuel oil burned for heat in public buildings in Koyukuk and Venetie. Through the installation of newer, cleaner, and appropriately sized generators, this project will decrease fuel consumption, reduce emissions, and lower the cost to produce power in these rural Alaska Villages.

What are the Estimated Environmental Benefits?

Replacing these diesel generators is projected to reduce the diesel emissions of nitrogen oxides (NOx) by 16.92 tons, particulate matter ($PM_{2.5}$) by 2.64 tons, hydrocarbons (HC) by 0.48 tons, carbon monoxide (CO) by 1.12 tons, and carbon dioxide (CO_2) by 1,186.2 tons over the lifetime of the new generators.

What is the West Coast 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.

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 Kayla Krauss at krauss.kayla@epa.gov.