



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: Village of Chefnak – Generator Replacement Project

Under the Diesel Emission Reduction Act (DERA), the EPA awarded the Village of Chefnak, located in Alaska, a \$396,580 grant with Fiscal Year 2019 funding. The grant will fund the replacement of two stationary, non-road diesel generators with two low-emission, marine generators used to provide power to the community of Chefnak. The project will be implemented with a cost share of \$295,095 from the Naterkaq Light Plant and Village of Chefnak VW Tribal Trust, for a total project cost of \$691,675.

What is the Project?

The Village of Chefnak will work in partnership with the City of Chefnak to replace two (2) stationary, non-road Tier 0 generators used for power product at the Naterkaq Light Plant with two (2) low-emission, marine Tier 2 generators. These generators are used throughout the year to provide power to the community of Chefnak.

Why is this Project Important?

The Village of Chefnak has a stand-alone electric grid where 100% of the electric power needs are produced by the diesel generators at the Naterkaq Light Plant. While the air quality in rural Alaska is generally good, the residential households and community buildings of Chefnak are located in close proximity to the powerhouse. The installation of newer, more efficient, and cleaner generators will decrease fuel consumption, reduce emissions, and lower the cost of power in Chefnak. The emissions reductions from this project will help improve air quality and protect public health in the community of Chefnak. In addition, the marine engines allow for waste heat recovery, which will be delivered to the community washeteria.

What are the Estimated Environmental Benefits?

Replacing these two generators is projected to reduce the diesel emissions of nitrogen oxides (NOx) by 100.05 tons and particulate matter (PM_{2.5}) by 35.61 tons over the lifetime (12.5 years) 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.