



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.

Tribal DERA 2020: Kawerak Inc. – Diesel Generator Emissions Improvement Project in the community of Diomedede, Alaska

Under the Diesel Emissions Reduction Act (DERA), the U.S. Environmental Protection Agency (EPA) awarded Kawerak Inc., a \$155,000 Tribal DERA grant with Fiscal Year 2020 DERA funding. The grant will be used to replace the existing generator with a Tier 2 marine gen-set in the powerplant and update the switchgear in Diomedede, Alaska. The FY20 project will be implemented with a mandatory cost share of \$101,600; a voluntary cost-share of \$148,304; for a total project cost of \$404,904.

What is the Project?

Kawerak Inc., will work with the Diomedede community in Alaska to remove their existing Tier 2 stationary generator and replace it with a Tier 3 marine gen-set in the powerplant and update the manual switchgear.

Why is this Project Important?

Replacement of the stationary generator with a more efficient, new model generator and replacement of the outdated switchgear with an

automated switchgear system will ensure the most efficient gen-set and automatic switchgear to reduce diesel emissions and improve air quality in the Diomedede community.

What are the Estimated Environmental Benefits?

Kawerak Inc. and the Diomedede community anticipates significant reductions in diesel emissions based on EPA's verified emission reduction estimations, using the Diesel Emission Quantifier. The FY2020 gen-set and switchgear replacement will reduce diesel emissions both annual / lifetime from NOx by 1,155 / 10,460 tons, PM2.5 by 0.063 / .572 tons; HC by .098 / .890 tons; CO by 0.0 / 0.0; and CO2 by 18.9 / 39.0 tons. Fuel usage reduction in Diomedede by 1,989 gallons annually.

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 EPA Clean Diesel Program. <https://www.epa.gov/dera>

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