



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: Louden Tribal Council – Generator and Switchgear Replacement Project

Under the Diesel Emission Reduction Act (DERA), the EPA awarded the Loudon Tribal Council, located in Galena, Alaska, a \$468,230 grant with Fiscal Year 2019 funding. The grant will fund the replacement of a diesel generator with a new, low-emission diesel generator, and the upgrade of the switchgear from a manual to automatic system. These generators are used throughout the year to provide power to the community of Galena. The project will be implemented with a cost share of \$484,438 from the City of Galena, Loudon VW Tribal Trust, and Alaska Energy Authority for a total project cost of \$952,668.

What is the Project?

The Loudon Tribal Council and City of Galena are partnering to replace one (1) Tier 0 diesel generator with one (1) low-emission Tier 2 generator, and to upgrade the switchgear from a manual to automatic system in the Galena powerplant. These generators are used throughout the year to provide power to the community of Galena.

Why is this Project Important?

Within the community of Galena, the powerhouse and resulting diesel exhaust is located in close proximity to the Tribal health clinic, City Council building, local school, and Tribal sponsored daycare and elders housing; approximately 70% of all community housing is also located within one mile of the powerplant. The emissions reductions from this project will help improve air quality and protect public health in the community of Galena. The new generator will be more efficient, and the upgraded switchgear will allow for improved load sharing and more efficient engine dispatch among the new and existing generators in the powerplant.

What are the Estimated Environmental Benefits?

Replacing the generator and upgrading the switchgear is projected to reduce the diesel emissions of nitrogen oxides (NOx) by 218.8 tons and particulate matter (PM_{2.5}) by 74.0 tons over the lifetime (14 years) of the new equipment.

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.