

The West Coast Collaborative is a public private partnership focused on reducing diesel emissions throughout western North America and the U.S. Pacific Islands. The Collaborative seeks to significantly improve air quality and public health by providing assistance to upgrade high polluting diesel fueled engines, vehicles, and equipment with cost effective and cleaner emission control technologies.

# DERA State 2022: Alaska Clean Diesel Project FFY 22



**Where:**  
Anchorage, AK



**Grantee:**  
Alaska Energy Authority



**Replacing:**  
Up to 10 prime power diesel engines



**Funding:**  
\$519,069 U.S. EPA's DERA  
\$519,069 Matched



**Emissions Reduced:\***  
TBD



**What is the Collaborative?**  
The West Coast Collaborative is a partnership among leaders from federal, tribal, state, and local governments, the private sector and environmental and community groups in EPA Regions 9 and 10.

The West Coast Collaborative is pleased to announce the Alaska Energy Authority (AEA) receipt of a U.S. Environmental Protection Agency (U.S. EPA) Diesel Emissions Reduction Act (DERA) Fiscal Year 2022 (FY22) State grant of \$519,069 to replace up to ten prime power diesel engines in rural Alaska communities. This project will be implemented with a cost share of \$1,025,748 for a total project cost of \$2,051,496.

## What is this Project?

This project will replace up to 10 non-certified and lower-tier diesel engines operating in rural Alaska communities with Tier 2 and 3 marine engines, and low PM emitting nonroad engines. These engines will be installed because of their proven reliability, and fuel economy and they are as clean or cleaner than nonroad Tier 3 engines. These cleaner engines will greatly reduce the amount of air pollution that was emitted by the older, less efficient engines.

## Why is this Project Important?

Exposure to diesel exhaust is associated with decreased lung function and can also exacerbate the symptoms of asthma, bronchitis, and pneumonia. By non-certified and lower-tier diesel engines, this project reduces human exposure to diesel emissions and therefore negative health effects associated with diesel exposure. Rural communities in Alaska are not connected to the electrical grid and must generate their electricity. Small diesel power plants are used for this purpose. These plants have at least one diesel engine running continuously. Rural Alaska communities rely on these engines for their prime power; however, many of these power plants use older technology, high emitting engines.

## Who are the Project Partners?

This project will be administered by the AEA, the lead granting authority for Alaska to administer funds from the DERA program. AEA received this DERA grant through the Collaborative and will distribute these grant funds to participating communities in rural Alaska. AEA will be responsible for all data monitoring and reporting.