



The West Coast Collaborative is a 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 Tribal & Territory FY22: Guam Power Authority – Truck Replacement Program



**Where:**  
U.S. Territory of Guam



**Grantee:**  
Guam Power Authority



**Replacing:**  
1 hybrid lift bucket truck



**Funding:**  
\$300,000 U.S. EPA's DERA  
\$101,450 Matched



**Lifetime Emissions Reduced:\***  
0.3 tons of PM<sub>2.5</sub>  
4.3 tons of NO<sub>x</sub>  
2.4 tons of CO  
0.31 tons of HC  
107 CO<sub>2</sub>



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

The West Coast Collaborative is pleased to announce the Guam Power Authority's (GPA) receipt of a 2022 U.S. Environmental Protection Agency (U.S. EPA) Diesel Emissions Reduction Act (DERA) Tribal and Territory Grant to replace two diesel port yard tractors. This project will be implemented using \$300,000 in DERA grant funding combined with \$101,450 matching cost-share funds from the GPA.

## What is this Project?

This project will replace one diesel with a battery-electric hybrid ariels lift bucket truck operating in Guam. This cleaner truck will reduce the amount of air pollution that was emitted by the older, less efficient vehicle. Approximately 9,500 gallons of diesel fuel will be reduced over the life of the project.

## Why is this Important?

Exposure to diesel exhaust is associated with decreased lung function and can also exacerbate the symptoms of asthma, bronchitis and pneumonia. By replacing older, higher-emitting diesel-fueled port yard tractors, this project reduces human exposure to diesel emissions and therefore negative health effects associated with diesel exposure.

## Who are the Partners?

This project will be administered by the GPA, a government agency providing electric power to the island of Guam. GPA received this DERA grant through the Collaborative and will be responsible for the oversight and implementation of this grant.

\*Estimated air emission reductions over the lifetimes of these port trucks.