



The goal of the West Coast Collaborative is to leverage significant federal funds to reduce emissions from the most polluting diesel sources in the most affected communities. The Collaborative seeks to significantly improve air quality and public health by targeting the highest polluting diesel engines and equipment with the cost-effective control strategies.

DERA 2019: American Samoa Zero-Emission Battery Electric Trucks

Under the 2019 Diesel Emissions Reduction Act (DERA) State/Territory Clean Diesel Program, the U.S. Environmental Protection Agency's (EPA) West Coast Collaborative provided a \$118,038 grant to the American Samoa power utility to purchase four battery-electric trucks and install three electric vehicle charging stations.

What is this project?

EPA's Pacific Southwest Region 9 provided a grant to the American Samoa Power Authority (ASPA), the public utility, to purchase four zero-emission battery-electric pickup trucks to this rural U.S. territory island. To the extent possible, the trucks will be fueled by electricity generated by solar photovoltaic panels. From 2015-2018, EPA provided similar DERA grants to ASAP to help transition Tau and Ofu islands from polluting diesel generators to solar-powered electrical generation. Four existing old, polluting pickup trucks owned and operated by ASPA will be scrapped and replaced by these zero-emission trucks.

Where is this project located?

American Samoa, which consists of five main islands, is a U.S. Pacific island territory located in the South Pacific Ocean. In the past, this territory has been highly dependent on petroleum imports since electricity is primarily generated by diesel generators. Due to their unique geographic isolation, oil prices have been and are expected to continue to be extremely high. The Manu'a islands, which include Tau and Ofu islands, set a goal to be fully free of fossil fuel generated electricity. EPA's 2015-2018 DERA grants have allowed these islands to reach this very ambitious goal.

How will these trucks be charged?

This grant will also help fund the purchase and installation of three Level 2 electric vehicle charging stations. On Tau island, one station will be located at the Tau ASAP solar power plant. The other charging stations will be located at the Satala and Tafuna power plants on the main island of Tutuila.

What are the environmental & health benefits?

These four battery-electric pickup trucks will reduce lifetime emissions of NO_x by 4.27 tons, fine particulate matter by 0.23 tons, hydrocarbons by 0.37 tons, carbon monoxide by 1.56 tons and carbon dioxide by 405 tons. This project reduces approximately 3,600 gallons of diesel fuel annually.

How was this project funded?

EPA, through the West Coast Collaborative, provided \$118,038 in DERA state/territory grant funds to ASPA to enable the implementation of this project. ASPA provided the remaining funds for this project.

What is the West Coast Collaborative?

The West Coast Collaborative is an ambitious partnership between leaders from federal, state, local and tribal governments, the private sector and environmental groups committed to reducing diesel emissions along the West Coast. The West Coast Collaborative is part of EPA's National Clean Diesel Campaign. More information can be found at www.epa.gov/cleandiesel and www.westcoastcollaborative.org.

How can I find out more information?

Contact Trina Martynowicz at the EPA at martynowicz.trina@epa.gov.