



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 2020: American Samoa Zero-Emission Battery Electric Trucks

Under the 2020 Diesel Emissions Reduction Act (DERA) State/Territory Clean Diesel Program, the U.S. Environmental Protection Agency's (EPA) West Coast Collaborative provided a \$121,883 grant to the American Samoa power utility to purchase one battery-electric truck and install electric vehicle charging stations.

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### 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 a zero-emission battery-electric medium-duty truck to this rural U.S. territory island. To the extent possible, the truck will be fueled by electricity generated by solar photovoltaic panels. From 2015-2018, EPA provided DERA grants to ASPA to help transition Tau and Ofu islands from polluting diesel generators to solar-powered electrical generation. The existing old, polluting truck owned and operated by ASPA will be scrapped and replaced by a zero-emission truck.

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### 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.

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### How will this truck be charged?

This grant will also help fund the purchase and installation of Level 2 electric vehicle charging stations.

This truck will operate on the island of Tutuila. The entire Tutuila has a goal of 50% renewable energy by 2025 and has almost 5 megawatts of solar installed.

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.

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### What are the environmental & health benefits?

These four battery-electric pickup trucks will reduce lifetime emissions of NO<sub>x</sub> by 0.11 tons, fine particulate matter by 0.01 tons, hydrocarbons by 0.01 tons, and carbon dioxide by 10 tons. This project reduces approximately 900 gallons of diesel fuel annually.

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### How was this project funded?

EPA, through the West Coast Collaborative, provided \$121,883 in DERA state/territory grant funds to ASPA to enable the implementation of this project.

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### 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](http://www.epa.gov/cleandiesel) and [www.westcoastcollaborative.org](http://www.westcoastcollaborative.org).

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### How can I find out more information?

Contact Trina Martynowicz at the EPA at [martynowicz.trina@epa.gov](mailto:martynowicz.trina@epa.gov).