



**WEST COAST COLLABORATIVE**  
A public-private partnership to reduce diesel emissions



## Hawaii Department of Public Health, Clean Air Branch: ARRA Clean Diesel Project

The West Coast Collaborative (WCC) is pleased to announce the Hawaii Department of Health (HDOH) Clean Air Branch's (CAB's) completion of its project to replace heavy-duty diesel school buses, trucks, and refuse haulers. This project was implemented using \$1,597,798 in American Recovery and Reinvestment Act of 2009 (ARRA) State Clean Diesel grant funding.

### What is the Project?

The HDOH CAB was awarded an ARRA State Clean Diesel grant to fund heavy-duty diesel vehicle replacements on the Island of Oahu and Hawaii's Big Island. The project successfully replaced 12 heavy-duty diesel vehicles, including: 3 school buses and 5 Class 6 heavy-duty diesel trucks for the Hawaii Department of Education (HIDOE), as well as 2 refuse haulers and 2 Class 7 heavy-duty diesel trucks for the University of Hawaii at Manoa (UHM).

### Why is this project important?

The general purpose of the grant was to allow the replacement of buses and trucks in order to reduce diesel emissions and improve air quality in the State of Hawaii. Exposure to diesel exhaust has been associated with decreased lung function and retarded lung development and can also exacerbate the symptoms of asthma, bronchitis and pneumonia. This project will reduce exposure to diesel emissions as well as the negative health affects associated with exposure.

### What are the Environmental Benefits?

Over the lifetime of the project, the emissions of the 12 affected engines will be reduced by 1.1 particulate matter (PM) tons, 26.9 oxides of nitrogen (NOx) tons, 1.6 hydrocarbon (HC) tons, and 7.6 carbon monoxide (CO) tons.

### How was this project funded?

The WCC provided \$1,597,798 in ARRA State Clean Diesel grant funds to support this project.

### Who are the Partners on this project?

The project was led by HDOH CAB, a state agency tasked with protecting and improving the health and environment for all people in Hawaii, in partnership with HIDOE and UHM. HDOH CAB received the ARRA grant award through the WCC, and distributed the grant funds to the HIDOE and UHM fleets. HDOH CAB was also responsible for data monitoring and reporting for the project.

### What is the Collaborative?

The WCC is an ambitious partnership between leaders from federal, state, and local government, the private sector, and environmental groups committed to reducing diesel emissions along the West Coast. Partners come from all over Western North America, including California, Oregon, Washington, Alaska, Arizona, Idaho, Nevada, Hawaii, the Pacific Islands, Canada, and Mexico. The WCC is part of the U.S. EPA National Clean Diesel Campaign (NCDC).

[www.epa.gov/cleandiesel](http://www.epa.gov/cleandiesel)

### How can I find out more Information?

For more information on this project, please contact John Mikulin at U.S. EPA ([mikulin.john@epa.gov](mailto:mikulin.john@epa.gov) / 415-972-3956). For more information on the WCC, please visit our website. [www.westcoastcollaborative.org](http://www.westcoastcollaborative.org)