



## WEST COAST COLLABORATIVE

A public-private partnership to reduce diesel emissions

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

# On-Board Shore Power Idle Reduction Rebate Program

In 2006 the U.S. EPA funded the Oregon Department of Energy \$100,000 dollars to pilot the On-Board Shore Power Idle-Reduction Equipment Incentive Program, in reducing heavy-duty truck idling along interstate corridors.

### How will These Funds be Used?

U.S. Environmental Protection Agency (EPA) provided Oregon Department of Energy \$100,000 in grant funding to install approximately 442 on-board shore power idle-reduction retrofit equipment devices on heavy-duty trucks traveling along the (I-5) corridors in Oregon, Washington, and California and to develop a rebate incentive program.

### Why is this project important?

The shore power equipment when connected to a shore power Truck Stop Electrification (TSE) facility will improve air quality and reduce energy use. The rebate program reduces the high up-front costs for truck drivers who purchase shore power idling-reduction equipment for their trucks.

### What are the Environmental Benefits?

The expected outcomes of this project will stimulate industry participation, expand industry awareness, and increase acceptance of this technology

- to improve air quality in and around truck stops, warehouses, depots, and terminals.
- to decrease potential health problems to drivers and the regional population.

Over a five-year period of the project and a concerted marketing and educational outreach campaign, as well as two rebate programs designed to reduce the high up front costs of these systems. One rebate program was marketed using Cascade Sierra Solutions and the second rebate program was marketed through Shorepower Technologies. A total of 442 trucks were retrofitted with shore power equipment. From this project, the following emissions were reduced: NO<sub>x</sub> by 589 tons; Particulate Matter (PM) by 17.68 tons; and Carbon Dioxide (CO<sub>2</sub>) by 41,548 tons of reduced emissions. This funded project completed with great success.

### What is the Collaborative?

The West Coast Collaborative is an ambitious partnership between leaders from federal, state, local and tribal 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, Canada and Mexico. The Collaborative is part of the National Clean Diesel Campaign (NCDC). For more information on NCDC, go to [www.epa.gov/cleandiesel](http://www.epa.gov/cleandiesel).

### How can I Find More Information?

For more information about the West Coast Collaborative Trucking Sector Projects, please contact Trina Martynowicz at [martynowicz.trina@epa.gov](mailto:martynowicz.trina@epa.gov), 415-972-3474 or visit our website at: [www.westcoastcollaborative.org](http://www.westcoastcollaborative.org).