



## 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.

# Pacific Northwest Pollution Prevention Resource Center (PPRC) – Advance Trailer Aerodynamics Implementation Program

The U.S. Environmental Protection Agency (EPA), through the West Coast Collaborative funded Pacific Northwest Pollution Prevention Resource Center (PPRC), \$875,972, under the Diesel Emission Reduction Act (DERA) 09-10, in May 2010. The project will achieve significant reduction in diesel emissions by installing advanced trailer skirts, verified technologies approved by the U.S. EPA, on long haul trailers used to move goods throughout the region. The project will be implemented with \$2,136,259 in leveraged funding.

### What is the project?

PPRC in partnership with Interstate Distributor Co., will reduce diesel emissions and conserve fuel by installing EPA SmartWay verified aerodynamic technologies on 2058 53-foot van trailers hauled by heavy duty class 8 trucks throughout EPA Region 10. Interstate Distributor Co. is a major Northwest trucking fleet that will increase the exposure and adoption of advanced trailer side skirt technology by long haul truckers.

### Why is this project important?

Advanced trailer skirts improve tractor trailer aerodynamics by diverting air flow along the sides of trailers to reduce drag from rear wheels, axel components and cross members. The improved efficiency of the tractor trailers results in significant fuel savings and emissions reductions from less fuel being used to move the same amount of goods. Improved efficiency of goods movement is particularly important since diesel exhaust represents approximately 22% of greenhouse gas (GHG) emissions from the U.S. transportation sector.

### What are the Environmental Benefits?

The lifetime benefit of this project is that there will be a reduction of: 761.7 tons of NO<sub>x</sub>, 24.6 tons of particulate matter (PM), 47.9 tons of hydrocarbons (HC), 182,633.4 tons of CO<sub>2</sub>, and 16 million gallons of fuel.

### 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).