



WEST COAST COLLABORATIVE

A public-private partnership to reduce diesel emissions

The goal of the 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 engines with the most cost effective control strategies.

DERA 2009/2010: Clean Delivery Trucks Program in Arizona

Under the Diesel Emissions Reduction Act 2009 and 2010 competitive national funding, the U.S. EPA through the West Coast Collaborative selected and awarded the Arizona Department of Commerce Energy Office \$610,828, under the National Clean Diesel Funding Assistance Program, to replace twelve heavy and medium duty trucks, two of which are all-electric, and retrofit 97 trailers and tractors. The project is also leveraging \$1,419,337 in non-Federal funding.

What is the Project?

This project will overhaul the fleet of vehicles operated by Frito-Lay around the distribution facilities in Phoenix and Casa Grande, Arizona. Ten heavy-duty, class 8a trucks will be replaced with compressed natural gas and clean diesel trucks. Two medium-duty, class 2 trucks will be replaced with all electric, zero emissions vehicles. 48 trailers and 49 tractors will also be equipped with EPA SmartWay approved low-rolling resistance tires.

Why is this project important?

The project is intended as a model for other private-public relationships aimed at diesel emissions reduction in the greater

Phoenix area. In addition, the project will provide significant reductions in diesel emissions. Diesel emissions can contain over 40 toxic substances and have been found to cause severe health problems, including asthma and cardiopulmonary diseases. Phoenix's rapid growth suggests that emissions and population will both increase in the coming years. These facts are particularly troubling as there are 1.5 million people in the project area who breathe air classified as nonattainment (severe) for particulate matter and recommended to be classified as nonattainment for ozone levels.

What are the estimated environmental benefits?

This project reduces the diesel consumption of Frito-Lay's fleet by almost 28,943 gallons annually and by 423,500 gallons over the life of the vehicles. PM10 emissions will be reduced by 31 tons over the lifetime of the project, NO_x emissions will be reduced by 2,387 tons, CO by 430 tons, CO₂ by 16,878 tons, and HC by 1.4 tons.

What is the Collaborative?

The West Coast Collaborative 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, Canada and Mexico. The Collaborative is part of the National Clean Diesel Campaign.

How can I find out more about the Collaborative?

For more information, on the West Coast Collaborative, please visit our website at www.westcoastcollaborative.org.