



## 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.

# City of Phoenix Public Transit Retrofits

The West Coast Collaborative selected the City of Phoenix Public Transit Department, under the Diesel Emissions Reductions Act, \$553,604 in February 2009 to replace and retrofit twenty transit bus engines.

### What is the Project?

The project includes the replacement of twenty (20) diesel engines with new certified engines that meet 2010 EPA emissions standards. A diesel particulate filter (DPF), closed crankcase ventilation and an electric engine cooling system (to significantly reduce idling) will also be added to each vehicle. The City of Phoenix Public Transit Department is a designated recipient for funds available through the Federal Transit Administration (FTA), and it will use FTA funds to supplement the remaining of the anticipated \$1,732,000 total project costs.

### Why is this project important?

Public transit maximizes public health benefits by removing numerous vehicles from the road. The project targets the largest engines that transport the greatest number of people and will benefit

many. The target fleets are specifically used in high passenger density areas. The retrofitted buses will produce fewer emissions and are designed to limit the amount of dust generated when they stop and start at bus stops.

### What are the estimated environmental benefits?

It is estimated that 98.97 tons of NOx, 2.93 tons of particulate matter, 1.92 tons of hydrocarbons, and 26.32 tons of carbon monoxide will be reduced.

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

### 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](http://www.westcoastcollaborative.org). For more information about this project or about the Public Fleets Sector in general, please contact Grace Cheng: [cheng.grace@epa.gov](mailto:cheng.grace@epa.gov)