WEST COAST COLLABORATIVE
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.

Fresno Off-Road Construction Equipment Diesel Exhaust After-Treatment Demonstration Project

The West Coast Collaborative is pleased to announce $110,000 in Environmental Protection Agency funding and $72,630 in matching funds from the city of Fresno and its partners for the Fresno Diesel Exhaust After-Treatment Project.

What is the Fresno Off-Road Construction Equipment Diesel Exhaust After-Treatment Demonstration Project?

The Fresno Off-Road Construction Equipment Diesel Exhaust After-Treatment Demonstration Project is an effort by the City of Fresno and its partners to reduce diesel emissions in the in the City and in the central San Joaquin Valley by installing exhaust after-treatment devices on four city-owned pieces of construction equipment in order to demonstrate the feasibility of using these devices in off-road applications. This will be the first time that after-treatment devices of this type have been installed on construction equipment.

In addition to installing of the exhaust after-treatment devices, the City of Fresno, working with Odyne Corporation of Hauppage, New York, will develop and demonstrate a battery dominant power supply trailer that will be capable of providing adequate 220V AC power to regenerate two of the four devices, as well as provide portable AC and DC power for typical construction and agricultural field application needs. The power trailer is the first of its kind in design and function.

Why is this project important?

The City of Fresno's 2,500 acre Regional Waste Water Treatment Facility is located in the heart of the San Joaquin Valley. The facility's operations are comparable to many of the largest farming operations in the surrounding region. By demonstrating the efficiency of the technology under conditions that mimic the necessities of the construction and agricultural sectors, the City of Fresno project will provide a controlled, unbiased, testing ground for these devices that could lead to widespread deployment within the region.

What are the estimated environmental benefits of this project?

The project's estimated environmental benefits include:

- A reduction of PM emissions by 85 percent, or 133 lbs/yr.
- A reduction of NOx emissions by 25 percent or 600 pounds of NOx lbs/yr.

How is this project funded?

- $110,000 in EPA funding.
- $72,630 in matching funds from the City of Fresno and its partners.

Who are the partners on this project?

- City of Fresno, Department of Public Utilities
- City of Fresno, Fleet Management Division
- Cleaire Advanced Emissions Controls, LLC
- Odyne Corporation

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 in California, Oregon, Washington, Alaska, Arizona, Idaho, Nevada, Hawaii, Canada and Mexico committed to reducing diesel emissions along the

West Coast. The Collaborative is part of EPA's National Clean Diesel Campaign (www.epa.gov/cleandiesel).

How can I find out more about the Collaborative?

For more information about the West Coast Collaborative, please contact Peter Murchie (murchie.peter@epa.gov, 503-326-6554) or visit our Web site at www.westcoastcollaborative.org.