



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.

Diesel Agricultural Pump Efficiency Project

What is the Diesel Agricultural Pump Efficiency Project?

EPA is providing a \$50,000 grant to the Center for Irrigation Technology, California State University, Fresno, with \$25,000 in matching funds. This project will provide low-cost pump efficiency tests; retrofit research; and incentive rebates for retrofit and repair of six inefficient agricultural pumps in the San Joaquin Valley. The project will annually reduce nitrogen oxide (NO_x) emissions, which are a precursor to ozone (or smog) by an estimated 25 tons.

Why is this project important?

The Diesel Agricultural Pump Efficiency Project will result in more efficient, portable agricultural water pumps powered by diesel engines. Subsidies for pump efficiency tests and incentive rebates for retrofit and repair of inefficient pumps will result in:

- Reduced greenhouse gas emissions
- Energy and water savings for farmers
- Improved air quality in California's San Joaquin Valley, which does not meet EPA's ozone or particulate matter (PM10 or PM2.5) standards

What are the estimated environmental benefits of this project?

The retrofit and repair of six inefficient pumps will result in substantial reductions in air pollution emissions and less diesel fuels consumption, as follows:

- 25 tons of NO_x reduced
- 1.08 tons of PM10 reduced, and

- more than 141,000 gallons of diesel fuel saved.

How is this project funded?

This project is funded by \$50,000 in EPA funds, and \$25,000 in funds from other partners.

What is the Center for Irrigation Technology?

The Center for Irrigation Technology (CIT) is an independent research and testing facility, dedicated to advancing irrigation technology. The CIT is based at California State University, Fresno.

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).

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 website at www.westcoastcollaborative.org.