



## 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.

# American Recovery and Reinvestment Act: Repowering Nonroad Agricultural Vehicles in San Joaquin Valley

Under the American Recovery and Reinvestment Act of 2009, the Environmental Protection Agency (EPA) selected and awarded the San Joaquin Valley Unified Air Pollution Control District (SJVUAPCD) \$2,000,000 to repower agricultural nonroad vehicles.

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### What is the purpose of this project?

This completed project with the SJVUAPCD for \$2,000,000 in funding has repowered 33 pieces of agricultural equipment including: tractors, excavators, loaders, and graders with new engines that meet or exceed EPA's tier 3 emission standards for nonroad diesel engines. This project is estimated to reduce annual particulate matter (PM) by 3.4 tons, nitrogen oxides (NOx) by 23.9 tons, hydrocarbons (HC) by 1.6 tons, and carbon monoxide (CO) by 9.6 tons.

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### Why is this project important for air quality?

The associated health benefits of this project include reduced risks in premature death, cancer, respiratory illness, heart disease, and asthma. These health benefits are much needed in the San Joaquin

Valley, which consistently has extremely high PM and ozone levels, and has a major percentage of population who is low in income level.

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### How does this project relate to the Recovery Act Funding Priorities?

- **Job Preservation/Creation and Economic Benefit** The retrofit program will create and maintain jobs for the agricultural and engine manufacturing and sales industries.
- **Long Term Economic Benefits** This project invests in clean diesel technology, which will help ensure the long-term viability of engine manufacturers.
- **Increase Economic Efficiency** The increase in engine purchases with this project will result in an increase in funding to be used in technological advances. An investment in agricultural equipment will reach a global level as many of the farms in the Valley are producing for both the local and global economy.

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### How do I find out more about ARRA?

For more information regarding the American Recovery and Reinvestment Act, please visit the Recovery Homepage (<http://www.recovery.gov>).

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### What Is the West Coast Collaborative and How Do I Find Out More?

The West Coast Collaborative is a partnership between leaders from federal, state, and local government, the private sector, and environmental groups committed to reducing diesel emissions along the West Coast. The West Coast Collaborative is part of the National Clean Diesel Campaign:

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

For more information about the West Coast Collaborative, please visit: [www.westcoastcollaborative.org](http://www.westcoastcollaborative.org).