



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.

Hydraulic Hybrid UPS Delivery Truck Demonstration in the San Joaquin Valley

In 2007 the EPA funded the San Joaquin Valley Unified Air Pollution Control District \$300,000 to demonstrate a new hydraulic hybrid UPS delivery truck technology

What is the Hydraulic Hybrid Delivery Truck Demonstration Project?

The San Joaquin Valley Unified Air Pollution Control District (SJVUAPCD) has been funded \$300,000 by the U.S. Environmental Protection Agency (EPA) to demonstrate a hydraulic hybrid United Parcel Service (UPS) delivery vehicle in the San Joaquin Valley. The SJVUAPCD will contribute \$100,000 in matching funds, as well as in-kind support towards

the replacement of existing diesel engines with new hydraulic hybrid engine systems. Two delivery vehicles will be tested and deployed in the Valley. The demonstration project will assess the performance of these vehicles in typical fleet service. In addition, it will determine if the vehicle meets the performance requirements and if reductions in fuel and maintenance costs show that a business case can be made for purchase of these vehicles.

What is the Importance of this Project?

This project will demonstrate the financial benefits of using this technology, including an estimated 40-70% improvement in fuel economy over a 20-year operation. This data would be shared to the public, encouraging other organizations to expand and purchase hydraulic hybrid vehicles.

What are the Environmental Benefits?

This project is expected to result in lifetime reductions of 14.86 tons of nitrogen oxides (NOx), 0.22 tons of particulate matter (PM), 0.76 tons of hydrocarbons, 2.32 tons of CO, and 328 tons of carbon dioxide (CO₂).

How can I Find More Information?

For more information about the West Coast Collaborative Truck Projects, please contact Trina Martynowicz at martynowicz.trina@epa.gov, 415-972-3474, or visit our website at: www.westcoastcollaborative.org.