



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.

CALSTART California Airports Partnership Air Quality Improvement Project

The West Coast Collaborative (WCC) is pleased to announce CALSTART's completion of the California Airports Partnership Air Quality Improvement Project. This project was implemented using \$678,459 in U.S. EPA Diesel Emissions Reduction Act (DERA) grant funding combined with \$434,354 in matching funds from participating partners.

What outcomes did the project produce?

This project produced the following outcomes: 1) San Francisco International Airport (SFO) - retrofitted 10 heavy-duty on-field equipment engines with Diesel Particulate Filters (DPFs) and purchased 123,480 gallons of B20 biodiesel; 2) Oakland International Airport (OAK) - retrofitted 5 transit buses with DPFs; 3) San Diego International Airport (SAN) - retrofitted 2 on-field scrubbers with DPFs; 4) Southwest Airlines - re-powered 9 aircraft pushback tugs (6 with 2011 diesel engines at Los Angeles International Airport and 3 with all-electric motors at San Jose-Minetta International Airport); and 5) Increased Public Awareness – conducted 2 Clean Airport Fleet workshops that included 250 airport stakeholders and significant press coverage, held monthly conference calls with representatives from California's 8 largest commercial airports, and published a website to promote the work of the program. <http://www.calstart.org/Consulting/What-We-Do/Recent-Projects/California-Airports-Partnership.aspx>

Why is this project important?

Airports constitute a major source of criteria pollutant and greenhouse gas (GHG) emissions. This project will help reduce these emissions, and thus will assist relevant California air basins in their efforts to attain the state and federal ambient air quality standards and mitigate climate change pollution.

What are the Environmental Benefits?

Over the lifetime of the project, the emissions of the 26 affected engines will be reduced by 2.8 particulate matter (PM) tons, 5.3 oxides of nitrogen (NOx) tons, 3.9 hydrocarbon (HC) tons, 26.2 carbon monoxide tons, and 179.2 carbon dioxide (CO₂) tons. In addition, this project will result in a lifetime diesel fuel savings of 197,625 gallons.

How was this project funded?

The WCC provided \$678,459 in U.S. EPA DERA grant funds to support this project. In addition, the participating project partners provided matching funds totaling \$434,354. The breakdown of non-U.S. EPA funding contributions is as follows: SFO = \$355,261, and Southwest Airlines = \$99,103.

Who are the Partners on this project?

The project was led by CALSTART, a non-profit transportation consortium that develops and implements advanced transportation technology projects, in partnership with three major California airports: (i.e., SFO, OAK, SAN) and Southwest Airlines. CALSTART received the U.S. EPA DERA grant award from the WCC, and distributed the award funds to the airport fleets. CALSTART was also responsible for data monitoring and reporting for the project.

What is the WCC?

The WCC 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, the Pacific Islands, Canada, and Mexico. The WCC is part of the U.S. EPA National Clean Diesel Campaign (NCDC).

www.epa.gov/cleandiesel

How can I find out more information?

For more information on this project, please contact John Mikulin at U.S. EPA (mikulin.john@epa.gov / 415-972-3956). For more information on the WCC, please visit our website.

www.westcoastcollaborative.org