WEST COAST COLLABORATIVE
A public-private partnership to reduce diesel emissions

The West Coast Collaborative's goal is to leverage federal funds and reduce emissions from the most polluting diesel sources in heavily impacted communities. The Collaborative seeks to significantly improve air quality and public health by targeting the highest polluting diesel engines and equipment with the most cost effective control strategies.

DERA 2018: Los Angeles World Airports (LAWA) Electric Shuttle Bus Replacements

The West Coast Collaborative (WCC) is pleased to announce the Los Angeles World Airports' (LAWA) receipt of a United States Environmental Protection Agency (US EPA) Diesel Emissions Reduction Act (DERA) award to replace three diesel-powered shuttle buses. This project will be implemented using $674,865 in DERA grant funding combined with $824,835 in cost-share funds from United Airlines.

What is the project?

This project will replace three diesel-powered shuttle buses used to transport employees from parking lots to the Los Angeles International Airport (LAX). The new shuttle buses will be zero tailpipe emission, battery-electric buses (BEBs).

Why is this project important?

Exposure to diesel exhaust is associated with decreased lung function and can also exacerbate the symptoms of asthma, bronchitis and pneumonia. By replacing older, higher-emitting vehicles, this project reduces human exposure to diesel emissions and those negative health effects associated with exposure. LAWA will partner with United Airlines to replace heavy-duty diesel transit buses operating at the Los Angeles International Airport. By switching to BEBs, this project will reduce both riders' exposure and the surrounding communities' exposure to heavy-duty diesel emissions.

What are the environmental benefits?

Over the remaining lifetime of the 3 affected engines, these upgrades will reduce emissions of fine particulate matter (PM2.5) by 0.25 tons, oxides of nitrogen (NOx) by 11 tons, hydrocarbons (HC) by 1 ton, carbon monoxide (CO) by 5 tons, and carbon dioxide (CO_2) by 2,207 tons. Additionally, the reduction of PM2.5 emissions will reduce black carbon (BC), which has been shown to affect climate by directly absorbing light, reducing the reflectivity ("albedo") of snow and ice through deposition, and interacting with clouds.

Who were the partners on this project?

The project will be administered by the LAWA, the City of Los Angeles department that owns and operates Los Angeles International Airport (LAX). LAWA received the DERA grant award through the WCC, and will distribute the grant funds to United Airlines for the electric transit bus replacements. LAWA will be responsible for data monitoring and reporting for the project.

What is the West Coast Collaborative?

The WCC is an ambitious partnership between leaders from federal, state, local and tribal governments, the private sector, and environmental groups committed to reducing diesel emissions along the West Coast. Partners come from all over Western North America, including: Alaska, Arizona, Hawaii, Idaho, Nevada, California, Oregon, Washington, Canada, Mexico and the Pacific Islands. The Collaborative is part of the US EPA National Clean Diesel Campaign.
www.epa.gov/cleandiesel

How can I find out more information?

For more information about this project, please contact Dana Mayfield at US EPA (mayfield.dana@epa.gov / 415-972-3008). For more information on the WCC, please visit our website at www.westcoastcollaborative.org