



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.

Fats Oils and Grease (FOG) to Biodiesel Project

The West Coast Collaborative is pleased to announce that EPA has selected the FOG to Biodiesel Project for \$175,000 in EPA funding. The project will be implemented with \$1 Million in leveraged funds (from the California Energy Commission)

What is the FOG to Biodiesel Project?

The San Francisco Public Utilities Commission (SFPUC) will research Fats Oils and Grease (FOG)-to-biodiesel technologies, quantify air pollution emission reductions associated with the demonstration project technology, conduct a socioeconomic analysis of the demonstration project technology, communicate the project to other wastewater agencies and identify priority public owned treatment works (POTWs) for implementation, and develop a business model that identified the revenues and costs associated with this technology.

Why is the Project Important?

- To demonstrate technologies that can be used to convert brown grease into biodiesel at a commercial scale and therefore reduce the state's reliance on fossil fuels.
- To demonstrate the feasibility of co-locating a FOG recovery facility at a wastewater treatment plant (WWTP).
- And to demonstrate the feasibility of business model that can be used to develop a program that could be easily replicated at other WWTPs.

What are the Estimated Environmental Benefits?

The project will improve air quality, keep oils and grease out of landfills, and reduce sanitary sewer overflows. The project includes the development of a toolkit so the program can be replicated by other municipalities across the nation. The project is estimated to reduce 848 tonnes of CO2 equivalent per year, combining both water treatment plant baseline operations and the FOG to Biodiesel demonstration.

How is This Project Funded?

Through EPA, the Collaborative is providing \$175,000 in support of this project. In addition, \$1M will be provided in leveraged funds from the CEC.

Who are the Partners on this Project?

The project is led by SFPUC, with partners at the California Energy Commission, engineering firms, and process technology companies.

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, the Pacific Islands, Canada, and Mexico. The Collaborative is part of the National Clean Diesel Campaign (www.epa.gov/cleandiesel).

How can I find out more Information?

For more information, please contact Grace Cheng (cheng.grace@epa.gov, 415-972-3983) or visit our website at www.westcoastcollaborative.org.