

SACRAMENTO METROPOLITAN AIR QUALITY MANAGEMENT DISTRICT

For the Agenda of: March 24, 2005

To: Board of Directors
Sacramento Metropolitan Air Quality Management District

From: Larry Greene
Air Pollution Control Officer

Subject: Authorization to the Air Pollution Control Officer to Execute a Cooperative Agreement with Cummins West, Inc., for the purchase and installation of a Diesel Emission Control Particulate Filter and Oxides of Nitrogen Reduction Catalyst (emission control device) on Diesel Locomotive Head End Power Units

Recommendation: Approve the attached resolution and authorize the Chair of the Board of Directors to sign it on behalf of the Sacramento Metropolitan Air Quality Management District (District).

Purpose: The purpose of this resolution is to:

1. Authorize the Air Pollution Control Officer to execute funding a funding agreement Cummins West for the Heavy-Duty Technology Demonstration Program to fund the purchase and installation of a Claire emission control device involving a diesel particulate filter and NOx reduction catalyst on two (2) Head End Power (HEP) units for locomotives.
2. Authorize and direct the Air Pollution Control Officer to take all steps necessary to carry out the intent and provisions of this resolution.

Authority: Health and Safety Code Section 41062(a) directs the district to develop air quality improvement strategies that include demonstration programs and incentives to encourage the use of control measures providing equivalent emission reductions within the District.

Under Health and Safety Code Section 41082, the District may undertake programs which may include financial assistance to fleet operators for the purchase, conversion, or operation of low-emission motor vehicles, financial assistance or other incentives to encourage the sale and distribution of clean burning fuels.

Background:

On February 5, 1998, Resolution No. AQMD 98-0007 authorized the creation of the Heavy-Duty Low-Emission Vehicle Incentive Program for the purpose of reducing emissions from heavy-duty vehicles operating within the District.

On December 6, 2001, Resolution No. 2001-056 authorized the APCO to accept funds from other entities to be used to further the mission of the public.

On July 25, 2002, Resolution No. 2002-032 authorized the APCO to create a Technology Demonstration Program, and delegated authority to the APCO to execute agreements according to Program Guidelines up to \$50,000.

On behalf of the District, in June 2004, the APCO applied for \$150,000 from the United States Environmental Protection Agency (USEPA) to fund the purchase and installation of two (2) emission control devices on Head End Power (HEP) Units operating on the Capitol Corridor Commuter Rail Locomotives.

On November 23, 2004, the USEPA approved the District's application and awarded Cooperative Agreement XA-83219501-0 in the amount of \$150,000 with a project period from November 2004 to November 2006.

**Previous Board
Actions:**

On February 5, 1998, your Board approved Resolution No. AQMD 98-0007, which authorized the creation of the Heavy-Duty Low-Emission Vehicle Incentive Program.

On July 25, 2002, your Board approved Resolution No. 2002-032, which authorized the APCO to receive funds for a Technology Demonstration program not to exceed \$50,000.

Project Detail:

The SMAQMD proposes to partner with the US EPA and Cummins West to demonstrate the use of a verified unit in a non-verified locomotive application, on Amtrak locomotives, owned by the California Department of Transportation. It is estimated that this program will eliminate over 12.8 tons per year of oxides of nitrogen (NOx)+particulate matter (PM) +non-methane hydrocarbons (NMHC), per locomotive.

Attachments: Attachment A: United State Environmental Protection Agency
Cooperative Agreement XA-83219501-0

Attachment B: Sample Agreement with Cummins West

Fiscal Impact: This project will have minimal fiscal impact to the SMAQMD. The project will utilize staff time for in-kind services. District funds will not be used for this demonstration project. The funding allocation for this project is shown in the table below:

Funding Source	Amount
U.S. Environmental Protection Agency	\$150,000

Respectfully submitted,

Larry Greene
Air Pollution Control Officer

Approved as to form:

Kathrine Pittard
District Counsel

Attachments: