

SACRAMENTO METROPOLITAN AIR QUALITY MANAGEMENT DISTRICT

For the Agenda of: April 28, 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, and Agreement with the State of California Department of Transportation

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 (APCO) to execute a funding agreement with Cummins West for the Heavy-Duty Technology Demonstration Program to fund the purchase and installation of a Cleaire emission control device involving a diesel particulate filter and oxides of nitrogen (NOx) reduction catalyst on two (2) Head End Power (HEP) units for locomotives.
2. Authorize the APCO to execute an agreement with California Department of Transportation (Caltrans) to transfer the Cleaire emission control device to Caltrans and obtain Caltrans commitment to meet the performance requirements required by the United States Environmental Protection Agency (US EPA) and the District.
3. Authorize and direct the APCO 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 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 for a project period from November 2004 to November 2006.

Project Detail:

The District proposes to partner with the US EPA and Cummins West to purchase and demonstrate the use of a verified unit in a non-verified locomotive application. The unit will be installed on Amtrak locomotives.

For this project, the District will purchase two (2) emission control devices from Cummins West. The District will give the two (2) emission control devices to Caltrans to demonstrate the overall effectiveness of the devices on the HEPs operating on the locomotives.

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

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

Attachment B: Sample Agreement with Cummins West

Attachment C: Sample Agreement with Caltrans

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

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

Respectfully submitted,

Approved as to form:

Larry Greene
Air Pollution Control Officer

Kathrine Pittard
District Counsel