



County of El Dorado

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Legislation Text

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Air Quality Management District (AQMD) recommending Chairman be authorized to sign Amendment II to Funding Agreement No. 013-DMV-05/06-11 with El Dorado County Department of Transportation extending the term through October 24, 2009 to complete the Diesel Fleet Retrofit Project.

RECOMMENDED ACTION: Approve.

FUNDING: AQMD Special Revenue Fund

BUDGET SUMMARY:		
Total Estimated Cost		\$315,164
Funding		
Budgeted	\$315,164	
New Funding	\$	
Savings	\$	
Other	\$	
Total Funding Available	\$315,164	
Change To Net County Cost		\$0

Fiscal Impact/Change to Net County Cost: There is no fiscal impact. Funds are included in the budget and this amendment does not change the total funding amount.

Background:

On October 25, 2005, the Board of Supervisors awarded Funding Agreement No. 013-DMV-05/06-11 to DOT for Diesel Fleet Retrofits. The original Funding Agreement, in the amount of \$487,076 and for the term of October 25, 2005 through October 24, 2006, was to fund the retrofit of thirty four (34) on-road diesel fueled vehicles (vehicles) with the Cleaire Longview emission control device. On September 27, 2006, your Board approved the First Amendment to the Agreement, which extended the project completion date to October 24, 2008, included Cleaire Horizon emission control devices with a cleaning unit and spare filters, and added one vehicle to be retrofitted, for a total of thirty five (35) vehicles. To date, twelve (12) vehicles have been retrofitted with the Cleaire Longview emission control devices and \$171,912 has been spent on the project.

The Diesel Fleet Retrofits proposal was prepared using the most current information available at the time of preparation; however, changes in emission control technology and the California Air Resources Board's (CARB) verification process continue to affect the original project. The following is a summary of modifications to the project scope for the remaining twenty-three (23) vehicles:

- Eight (8) vehicles 1993 and older will be retrofitted with the recently CARB verified Huss

Umwelttechnik FS-MK series emission control devices instead of the Cleaire Longview devices, which cannot be used on vehicles older than 1994.

- Twelve (12) vehicles will be retrofitted with Cleaire Horizon emission control devices. This number includes the addition of two (2) vehicles not previously included in this project.
- Seven (7) vehicles will be eliminated from the project scope based on age of the vehicles and/or lack of CARB verified cost effective technology.
- The purchase of spare filters for the Cleaire Longview and Huss Umwelttechnik FS-MK devices will be added to the project scope.

The attached table provides detailed summary of the above described changes. The total number of vehicles to be retrofitted with emission control devices will be reduced to a total of thirty (30) from the original thirty five (35). This reduces the cost effectiveness of AQMD funding to \$30.83/lb (from \$22.05/lb) of NOx and PM emission reductions, which still leaves this project among the most cost effective projects funded with AB2766 DMV fees.

Reason for Recommendation:

Approval of this project will allow for significant emission reductions from diesel engine retrofits in the El Dorado County DOT fleet and will assure continued compliance with the CARB On-Road Heavy-Duty Diesel-Fueled Public and Utility Fleets Rule. The total funding award will remain unchanged.

Action to be taken following Board approval:

Forward executed amendment to AQMD for further processing.

Contact:

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Concurrences:

County Counsel and Risk Management have approved this amended Funding Agreement.