



## REPLACEMENT

COUNCIL AGENDA: 9-27-05  
ITEM: 2.8

# Memorandum

**TO:** HONORABLE MAYOR AND  
CITY COUNCIL

**FROM:** Peter Jensen

**SUBJECT:** SEE BELOW

**DATE:** September 15, 2005

Approved

*Ray Winer*

Date

*9/15/05*

**SUBJECT: BAAQMD GRANT APPLICATION FOR THE TRANSPORTATION FUND  
FOR CLEAN AIR REGIONAL FUNDS**

### RECOMMENDATION

Adoption of a resolution authorizing the City Manager to submit a grant application to the Bay Area Air Quality Management District (BAAQMD) and all necessary documentation for a grant to support a pilot program to retrofit 18 diesel powered heavy trucks to reduce diesel particulate emissions, in an amount not to exceed \$206,550 with a required local match of \$22,950.

### BACKGROUND

In June of this year, the Department of General Services submitted a proposal request, contingent upon Council approval, of \$206,550 to the BAAQMD Transportation Fund for Clean Air Regional Funds to support a pilot program to retrofit 18 diesel powered heavy trucks to reduce diesel particulate emissions. In August, the City received notification from BAAQMD that the City's proposal has been ranked as one of the potential projects for consideration. Because of the amount of the grant, Council approval to submit the application is required.

### ANALYSIS

The Fleet Management Division of the General Services Department has been a leader in the implementation of alternate fuel and emission reduction technology since the early 1970's. Significant enhancements in after-market technology to reduce heavy truck diesel emissions, such as California Air Resources Board (CARB) approved emission control equipment in conjunction with the use of ultra-low sulfur diesel fuel, are now available for implementation. Implementation of recent technological advancements in diesel exhaust after-treatment may significantly reduce emissions without compromising the operational performance of the vehicle being modified.

If the grant is awarded and after Council approves acceptance of the grant, staff plans to retrofit a sample of the City of San José's fleet of existing diesel powered trucks with CARB approved emission control equipment in conjunction with the use of ultra-low sulfur diesel fuel to validate this new emission technology's suitability to the City's fleet. The sample vehicles are later model year diesel trucks, which are not equipped with the latest clean air technology but are anticipated to be in the fleet for several more years. Similar units were selected to reduce the complexity of the retrofits and minimize vehicle downtime during the retrofit process. This pilot program will play a key role in testing and evaluating this new technology for future compliance with heavy truck emission reduction standards anticipated to be mandated by the State of California.

The total procurement and installation cost for the diesel emission control equipment for 18 diesel powered heavy trucks is estimated to be \$229,500. Vehicle maintenance and operation funding will be utilized for the \$22,950 local share match. Staff is currently developing the specifications for the diesel exhaust control system for this upgrade and installation for the vehicles identified.

### **OUTCOME**

Council action will provide approval to submit the grant application. If the grant is awarded and Council approves acceptance, the funds will be used to retrofit 18 diesel powered heavy trucks. This would help to offset any future costs of the City achieving compliance with the heavy truck emission reduction standards anticipated to be mandated by the State of California and would reduce diesel emissions upon completion of the project. The implementation of such technology for the City's diesel powered heavy truck fleet aligns with the City Council's support of clean air objectives.

### **PUBLIC OUTREACH**

Not Applicable.

### **COORDINATION**

This memorandum has been coordinated with the City Attorney's Office, the City Manager's Budget Office, Department of Transportation and Environmental Services Department.

### **COST IMPLICATIONS**

If the grant is awarded and Council approves acceptance, the funds would offset \$206,550 in anticipated future costs of the City complying with the heavy truck emission reduction standards

anticipated to be mandated by the State of California. The local match amount of \$22,950 will be provided through the existing appropriation for City vehicle maintenance and operations.

**BUDGET REFERENCE**

Fund #	Appn #	Appn. Name	RC#	Total Appn.	Amt for Contract	2005-2006 Proposed Operating Budget	Last Budget Action (Date, Ord. No.)
552	0592	Non-Personal	001100	\$2,471,616	\$22,950	Page XI-79	MBA #60 6/21/05 Ord No. 27474

**CEQA**

Not a project.



PETER JENSEN  
Interim Director of General Services