

Mayor
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Willard Rodarmel
William Siegel



**Maintenance & Fleet
Division**

711 W. Cinnamon Drive
Lemoore ♦ CA 93245
Phone ♦ (559) 924-6739
FAX ♦ (559) 924-6708

To: Lemoore City Council **Item** 4D
From: Joe Simonson, Parks and Recreation
Director
Date: November 9, 2010
Subject: California Retrofit Diesel Particulate Filters
(DPF) / Budget Amendment

Discussion:

The City of Lemoore has been mandated by the State of California and Air Resources Board (CARB) regulations to retrofit all of the Diesel emission vehicles by 2012. The City's Fleet Division began the process of retrofitting the refuse vehicles in late 2008 and early 2009 through E.M. Tharp / Perterbilt of Fresno, using State approved Donaldson Diesel Particulate Filter (DPF) devices. The remaining vehicles left to be retrofitted were older models and specialty service vehicles which Donaldson devices are not compatible with. The street sweeper, a water truck, a short bed dump truck, the sewer Vactor truck, a refuse truck, and two bucket trucks are the remaining vehicles to be retrofitted.

City Staff recently issued a Request for Proposals for the remaining seven (7) vehicles. Five bids were received and the three qualifying bids being considered are listed below:

A-Z Emissions Solutions Group	\$97,435.03
Cummins West	\$99,006.15
Diesel Exhaust & Emissions	\$105,287.21

As shown above, the lowest bid was from A-Z Emissions Solutions Group for an amount of \$97,435.03. A-Z Emissions Solutions Group will install all DPF devices and if needed transport the vehicles. All three companies quoted prices for the Cleaire DPF system by Horizon which will require installation of electrical stations for the units to plug into for periodical cleaning of the filter unit. Research on the additional cost for the electrical station is approximately \$6,800.00 for two electrical outlets.

The City of Lemoore applied for Congestion Mitigation and Air Quality (CMAQ) funds to help with the associated cost of retrofitting vehicles and was awarded \$70,824 with a City match of 9,176. The funding for this was budgeted for \$20,000 including the City match using a cost standard for the vehicles that have been retrofitted. The remaining vehicles are more expensive to retrofit and required an electrical plug in stations to regenerate the DPF filter. This has left a shortfall of \$13,500 to cover the cost of the remaining seven vehicles.

Budget Impact:

CMAQ monies will offset the majority of the cost to retrofit the seven vehicles that have been identified. The remaining cost of \$33,500 (\$20,000 budgeted) would be expended from the Fleet Repair/Maintenance Services one time expense account - 4265-4350. A one-time increase in the Fleet Repair/Maintenance Services for an amount of \$6,700 and a one-time increase to the Maintenance Division Repair / Maintenance Services 4220-4350 budget of \$6,800 for electrical installation cost is also neededp.

Recommendation:

That City Council, by motion award the bid to A-Z Emissions Solution Group and amend the budget to include the \$13,500 funds needed to complete the mandated DPF filter retrofit on the remaining seven City units. If approved, the Feet Division budget to receive \$6,700 and the Maintenance Division would receive \$6,800.00 to their Repair / Maintenance Services Accounts.