

CONTRACT # ML06064

CITY OF SOUTH PASADENA

PURCHASE 2 HEAVY-DUTY CNG VEHICLES

JUNE 25, 2010

*Prepared for the Mobile Source Air Pollution Review Committee (MSRC) under the AB2766
Discretionary Fund Work Program.*

Acknowledgements

The City of South Pasadena wishes to acknowledge the support of the AQMD and MSRC staff for the successful completion of this project. The Public Works staff worked hard to complete this project. This report was submitted in fulfillment of Contract ML06064 and Purchase of 2 Heavy-Duty CNG Vehicles by the City of South Pasadena under the partial sponsorship of the Mobile Source Air Pollution Reduction Review Committee (MSRC). Work was completed as of June 3, 2010.

Disclaimer

The statement and conclusions in this report are those of the contractor and not necessarily those of the Mobile Source Air Pollution Reduction Review Committee (MSRC) or the South Coast Air Quality Management District (AQMD). The mention of commercial products, their sources or their uses in connection with material reported is not to be construed as either an actual or implied endorsement of such products.

Project Description and Work Performed

The original application was for the purchase of 3 heavy-duty CNG vehicles, however due to the City's budget constraints, the contract was modified for the purchase of 2 heavy-duty vehicles. Through competitive bidding, the City Council approved the purchase of a CNG converted Stake Bed and Dump Truck on March 5, 2008. The Stake Bed cost \$53,597 including taxes and fees and the Dump Truck cost \$80,579 including taxes and fees. The Stake Bed was received in December 2008. Due to fulfillment issues from the vendor the Dump Truck was not received until September 2009.

The bulk of the work performed by staff was in the competitive bidding process and in the follow-up process for the delivery of the Dump Truck. This will be discussed in the "Problems Encountered" section. Shortly after the delivery of the vehicles, the MSRC decals and well as City decals were adhered. The Stake Bed truck is being added to the Public Works fleet as a second Stake Bed truck. The Dump Truck is replacing a 1977 Ford Dump Truck which is gasoline powered. Per MSRC guidelines, the Dump Truck was salvaged.

Both trucks were funded by a \$25,000 grant from MSRC with the remaining funding from AQMD's AB2766 Subvention Fund monies.

Problems Encountered

For the Dump Truck, the vendor kept pushing back on the delivery date despite weekly status calls by staff. Eventually the vendor was unable to provide the original make and model of the Dump Truck but substituted another – GMC CNG converted Dump Truck – for the same price. This was approved by MSRC with Modification ML06064A. The City remained with this vendor despite the delivery problems as they are the only one in the area who installs the CNG conversion kits. The additional year on the delivery time added another challenge to the sale which was the increase in the County Sales Tax. The City successfully argued that the delivery delay was not our fault and that we should not be required to pay the additional Sales Tax. This was solidified by the purchase order and the City Council bid award. This was additional and unanticipated work by staff. However, in the end the solution of diligent staff follow-up was successful as the City has been using the two new trucks for several months.

The front-line staff who use the two vehicles have two complaints. One is the additional time it takes to drive several miles to the nearest CNG station. This is being rectified with the City's construction of a CNG Fueling station within City limits. This project is also partially funded through MSRC's Local Match Grant Program. The second is that the vehicles breakdown more frequently than the gasoline counterparts. The City's maintenance costs are higher, but as the CNG conversions become more mainstream we are confident that the maintenance costs will decrease. Through the City Council, South Pasadena has a Low-Emission Vehicle Policy that requires staff to purchase low-emissions when possible.

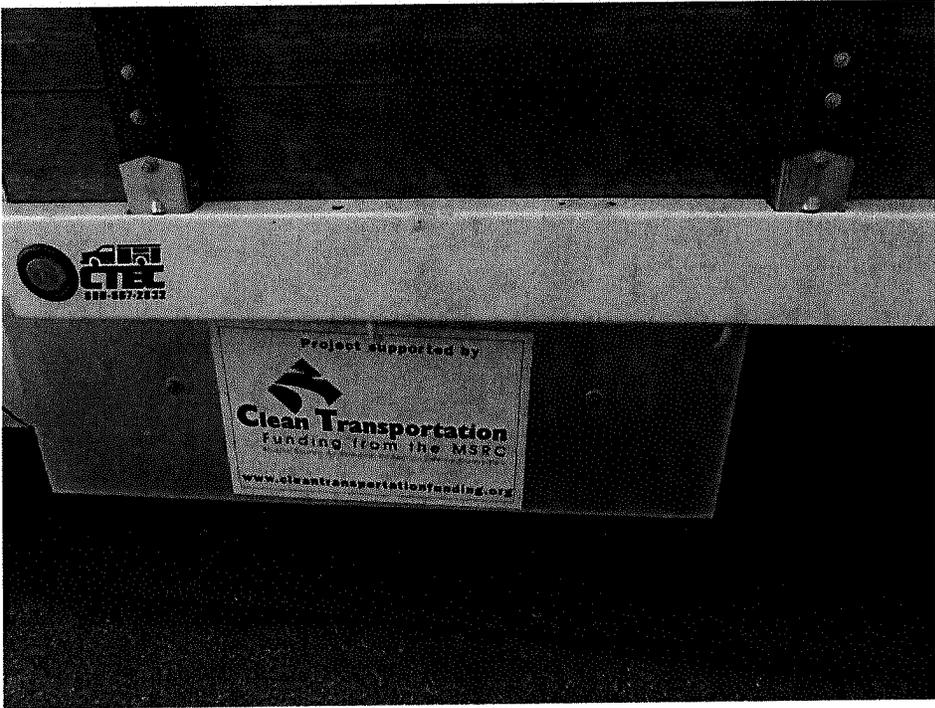
Emissions Benefits

The City of South Pasadena receives the CNG emissions benefits that other local governments nationwide receive. While, as a small city, we do not have the capability to measure exact emissions the US Department of Energy offers a study on the use of gasoline powered versus CNG powered heavy-duty vehicles. They state (www.afdc.energy.gov/afdc/vehicles/natural_gas_emissions.html) that CNG trucks produced 75% lower carbon emissions, 49% lower nitrogen oxide emissions, and 95% lower particulate matter than diesel trucks of similar age. The City is confident that it receives similar benefits from the gasoline truck replacement and the newly added vehicle.

Photographs and Outreach

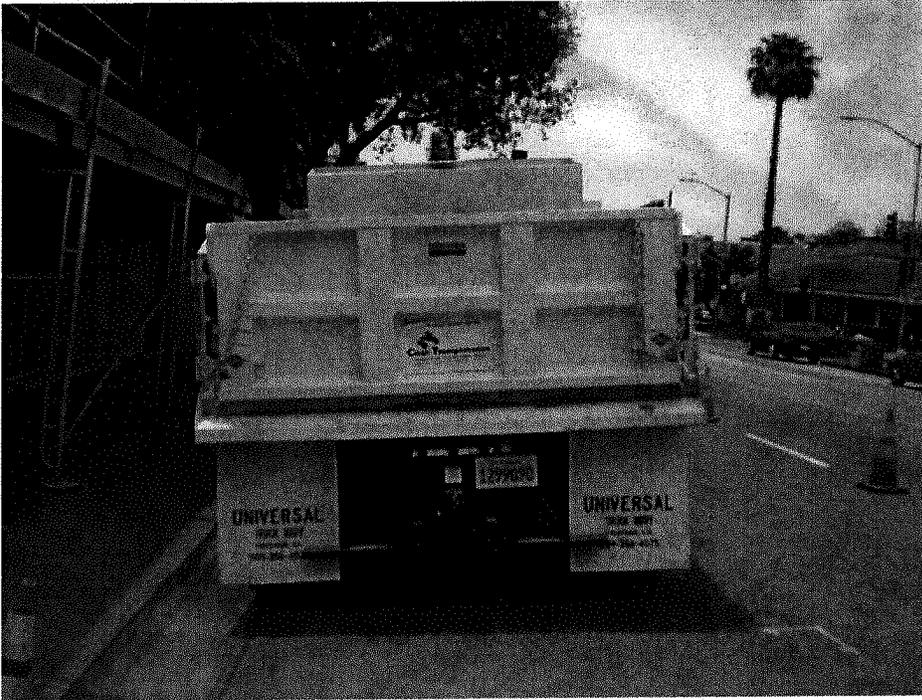
Stake Bed Truck





Dump Truck





The Stake Bed Truck was on display to showcase the City's commitment to Low-Emission Vehicles during the City's 2nd Annual Clean Air Car Show and Green Expo which had over 4500 attendees.

Article from June 3, 2010 issue of e-Neighbors Newsletter which is delivered electronically to over 2500 residents.

Tracey Perkosky

From: e-Neighbors City of South Pasadena [cityof@south-pasadena-ca.ccsend.com] on behalf of e-Neighbors City of South Pasadena [e-neighbors@ci.south-pasadena.ca.us]
Sent: Thursday, June 03, 2010 3:41 PM
To: Tracey Perkosky
Subject: e-Neighbors City of South Pasadena June Edition



June 2010

e-Neighbors is the monthly newsletter of the City of South Pasadena.

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COMMUNITY SERVICES



Community Services

e-Neighbors

City Acquires CNG-Powered Trucks for Public Works Department

Conscious of the need to reduce harmful greenhouse gas emissions and promote responsible stewardship of the environment, the City of South Pasadena recently purchased two alternative fuel vehicles with funding from the Mobile Source Air Pollution Reduction Review Committee (MSRC) Local Match Program. Used by the Public Works Department, the two vehicles - a stake bed truck and a dump truck - are powered by compressed natural gas (CNG), a cleaner alternative to gasoline. The City received \$25,000 per vehicle for CNG conversion from the MSRC, which is responsible for allocating funds to projects that reduce air pollution within the South Coast Air Quality Management District.



The stake bed truck, utilized heavily by the Streets Division, assists with the clean-up of tree debris and the delineation of the weekly Farmers' Market among many other things. The dump truck, which was on display to over 5,000 attendees at last year's Clean-Air Car Show and Green-Living Expo, is used by the Water Division to respond to water main breaks and for

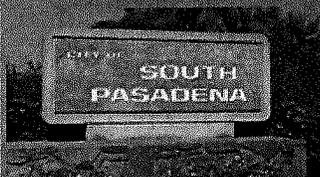
Classes & Programs Guide

The Spring issue of the Community Services Classes & Programs Guide is now available. [Registration](#) for leisure classes is currently underway. Classes will begin the week of July 12. [Click here](#) to view class and program offerings.



Garage/Yard Sales

Residents are reminded that a permit is required for a garage/yard sale. Garage/yard sale regulations can be found on the City's [website](#). Free permits can now be obtained online using the link on this web page.



City's Strategic Objectives

[Click here](#) to check the status of the City's Six-Month Strategic Objectives.

Neighborhood Watch Newsletter

[Click here](#) to check out your monthly *Neighborhood Watch Newsletter* from the Police Department.

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any type of large excavation.

A CNG fueling station for City use is currently under construction at the Arroyo Seco. Also partially funded by the MSRC, the station is expected to be ready for operation later this year.

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Household Hazardous Waste & e-Waste Disposal

TOO TOXIC TO TRASH

Household Hazardous Waste and E-Waste Roundup

Saturday, June 5, 2010
9:00 am - 3:00 pm

The Rose Bowl Parking Lot "K"
1001 Rose Bowl Blvd.
Pasadena

Open to all Los Angeles County residents

Dispose of Household Hazardous Waste and E-Waste the right way on Saturday: JUNE 5, 2010

BUSINESS WASTE WILL NOT BE ACCEPTED.

What you CAN bring to an event (examples):

- Brake fluid, paint, paint thinner, cleaners with acid or lye, pesticides or herbicides, household batteries and car batteries, pool chemicals, motor oil, oil filters, expired pharmaceuticals, anti-freeze, and fluorescent light bulbs.
- Household electronic waste which includes: Computer monitors, televisions, computer CPUs, keyboards, printers, cellular phones, etc.

What you CANNOT bring to an event:

- Hazardous waste and electronic waste from businesses.
- Explosives, ammunition and radioactive materials.
- Trash and tires.
- White goods such as refrigerators, stoves and washing machines, etc.
- Controlled substances.

How to prepare items for transportation:

- Bring the items in a sturdy box, preferably in their original labeled containers.
- Do not mix the items together.
- There is a limit of 15 gallons or 125 pounds of hazardous waste per trip.
- Be prepared to leave your containers and boxes. Remove all other items from your trunk.

For a complete listing of what you can and cannot bring or information on upcoming events, contact: 1(888) CLEAN-LA • www.CleanLA.com, or 1(800) 238-0172 • www.lacsd.org.

Brought to you by the County of Los Angeles and provided by the Department of Public Works in the Sanitation Districts of Los Angeles County in cooperation with the cities of Alhambra, Glendale, La Cañada-Flintridge, Pasadena, San Gabriel, San Marino, and South Pasadena.

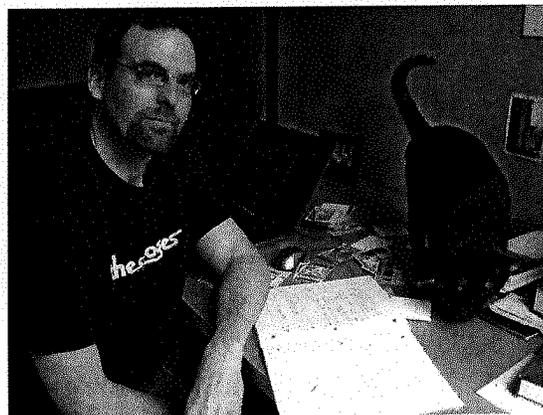
Home-generated wastes, waste acids, hypodermic needles, pet products, batteries, aerosols, and pharmaceuticals, SHOULD NOT be placed in your trash. Bring items to the Roundups or visit www.CLEANLA.com for alternate disposal options.

You can also take your used motor oil to more than 500 of recycling centers in Los Angeles County. Call 1(888) CLEAN-LA for a complete listing.

Printed on recycled paper

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Library Author Night with Josh Wilker on June 10 at 7:00 pm



An Author Night Program with Josh Wilker will be presented in the Library Community Room on Thursday, June 10 at 7:00 pm. The program is presented by the Arroyo Vista Inn, the Baseball Reliquary, the Friends of the South Pasadena Public Library, and the Library itself. Wilker is the writer of the just-released *Cardboard Gods: An All-American Tale Told Through Baseball*

Cards.

According to some, it could be one of the biggest baseball books this summer. Others claim it's really not a baseball book at all, and that it only uses baseball cards as jumping off points for a memoir of growing up in an unusual family during the 70s. But it doesn't really matter if it's categorized as a baseball book or not. What counts most is that *Cardboard Gods* has the powerful impact of a clutch cleanup hitter while retaining the grace of a twinkle-toed

Summary and Conclusions

The City successfully purchased and now actively uses the CNG converted Stake Bed and Dump Trucks. We are pleased to be meeting our Low-Emission Vehicle Policy by producing lower particulate matter, and carbon and nitrous oxide emissions. Because of the delay in delivery, the City will be exploring the use of delivery deadlines in future CNG vehicle purchases.