

Final Report

Contract No. AB 2766/ML06052

City of Hemet Purchase of
One Compressed Natural Gas Dump Truck

MSRC Local Government Match Program



City of Hemet
September 18, 2008

*“Prepared for the Mobile Source Air Pollution Reduction Review Committee
(MSRC) under the AB 2766 Discretionary Fund Work Program.”*

Acknowledgements

The City of Hemet would like to acknowledge the City of Riverside, Carmenita Truck Center, and all of the efforts of the City of Hemet staff for their assistance in obtaining the heavy-duty alternative fuel dump truck purchased through this program. We would also like to acknowledge the MSRC and SCAQMD for continuing to provide funding incentives that promote environmentally responsible programs here, in Southern California.

This report was submitted in fulfillment of Contract No. AB2766/ML06052 and the Local Government Match Program by the City of Hemet under the partial sponsorship of the Mobile Source Air Pollution Reduction Review Committee (MSRC). Work was completed as of June 30, 2007.

“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 (SCAQMD). 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.”

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Project Description and Work Performed:

In June, 2006, the City of Hemet applied for funding through the MSRC Local Government Match Program in the amount of \$25,000 for the purchase of one 10 Wheel CNG Dump Truck.

Solicitation of Bids

In September, 2006, the City of Hemet was afforded the opportunity to purchase the vehicle through a cooperative purchase agreement with the City of Riverside. Specifications for the vehicles were reviewed by City staff in the Equipment Maintenance and Streets divisions. It was determined that the specification of the CNG 10 cubic yard dump truck met the needs of the City of Hemet. Based on current City of Hemet purchasing ordinances and policies, Hemet was able to enter into a Cooperative Purchasing Agreement and procure the vehicle through Carmenita Truck Center at the prices originally quoted to the City of Riverside with only a slight price escalation due to increased cost of materials.

Purchasing/Ordering the Vehicles

Upon determining that the cooperative purchase agreement was the most cost effective means of obtaining the CNG dump truck, City of Hemet staff sought approval of the purchase through City Council in September, 2006. An award of bid letter was sent and purchase orders were generated and delivered to Carmenita Truck Center of Santa Fe Springs to initiate the order of the vehicle. The vehicle order was a 2006 CNG Autocar WX64 with an 8.3 liter, 280 horse power engine.

Upon receipt of the vehicle, the City of Hemet Equipment Maintenance division performed a thorough inspection of the vehicle. After inspection, the vehicle was put into service in the Streets Department. The CNG dump truck was purchased for a total cost of \$175,088.79. The City of Hemet has paid for the vehicle in full, and a copy of the invoice and purchase order are attached to the MSRC Standard Invoice (Attachment A of this report). The following table reflects the actual task completion dates for the vehicle purchase and this grant:

<u>Task Description</u>	<u>Task Completion</u>
Prepare/Issue Bid Package	N/A – Specifications of cooperative bid reviewed
Evaluate bids/make award	September 2006
Take Delivery/Place in service	April 2007 date
Conduct Refueling Training	April 2007 (ongoing due to various CNG operators)
Public Outreach Implemented	January 2008

Problems Encountered

Some electrical issues were encountered with this vehicle due to its cab-over design. However, they were not related to the CNG engine or fueling system. Since these problems have been resolved, no further issues have been experienced.

Emission Benefits

Total cumulative mileage of the vehicle since its in-service date and through the date of this report is 8,081 miles. On average, this vehicle accumulates 475 miles per month or 5,700 miles per year. Prior to purchase of this vehicle, this mileage would have represented miles driven in a standard heavy-duty diesel fueled dump truck.

Photographs and Outreach

Photograph #1 displays the CNG 10 Wheel Dump Truck purchased through this program.

Photograph #1



Decals indicating funding assistance from MSRC have been placed on the vehicle (Photograph #2).

Photograph #2



The City of Hemet has also recently added clean air information links and links to other environmentally responsible agencies to our website at www.cityofhemet.org. Use of the website for public outreach and education has been positively received by our public. This page is updated as we incorporate more clean air vehicles and projects into our City. The following is a print screen of that webpage.

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Public Works

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Public Works

PROUD TO SUPPORT CLEAN AIR EFFORTS FOR OUR COMMUNITY

The City of Hemet is proud to continue to be an active participant in supporting clean air efforts for our valley and the South Coast Air Quality Management District by continuing to introduce low emission alternative fuel vehicles into the Public Works' Fleet. Over the last five years, the City of Hemet has put into operation over ten Compressed Natural Gas (CNG) refuse and recycling collection vehicles, a CNG Street Sweeper, a CNG 10 Wheel Dump Truck, and several smaller CNG fueled fleet and pool cars. Purchase of these vehicles was made possible with co-funding from the Mobile Source Air Pollution Reduction Review Committee (MSRRC).

As summer approaches, the City of Hemet would like to encourage valley residents and businesses to take part in caring for our planet. The following websites and agency contacts can help you with information on other environmentally friendly programs like water conservation, recycling, composting, and clean air projects.

City of Hemet
 California Integrated Waste Management Board
 Air Quality Management District
 Riverside County Waste Management
 California Department of Conservation



Public Works
 Hours: Monday thru Thursday 7:00 a.m. to 6:00 p.m.
 Open every other Friday 8:00 a.m. to 4:00 p.m. except holidays
 Closed every other Friday. [Click here for closure schedule.](#)
 Engineering - 610 E. Florida Ave., Hemet, CA 92343
 Phone: (851) 786-2380 Fax: (851) 786-8878 [Contact Via E-mail](#)
 Operations - 3777 Industrial Ave., Hemet, CA 92344
 Phone: (851) 786-3710 Fax: (851) 786-2488 [Contact Via E-mail](#)

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The City of Hemet will continue to aggressively advertise the use of alternative fuels and other clean air opportunities on the fleet of vehicles. The City of Hemet has long utilized "billboard" advertising on the refuse collection fleet vehicles as a means for public education. Clean Air and Alternative Fuel banners for those vehicles are currently in design.

Summary and Conclusions

In an effort to promote the use of alternative fuel vehicles and establish itself as a leader in CNG fleet usage, the City of Hemet purchased a CNG 10 cubic yard dump truck to add to its fleet of heavy duty vehicles. The vehicle was purchased through a cooperative purchasing agreement with the City of Riverside which expedited not only the bid process, but also the delivery of the vehicle. Carmenita Truck Center of Santa Fe Springs was awarded bid on the vehicle for a total price of \$175,088.79. The City took possession of the vehicle in late April of 2007. Although there were minor electrical issues related to the vehicle's cab-over design, the City has found the vehicle to be a powerful and effective addition to the fleet. The City of Hemet looks forward to continued partnering with the MSRC to support and encourage the use of alternative fuel vehicles and clean air programs.