

**Prepared for Mobile Source Air
Pollution Review Committee (MSRC)
Under the AB 2766 Discretionary
Fund Work Program**



Department of Public Works
Contract Number ML07033D
Purchase of a Heavy Duty CNG Vehicle
November 22, 2013

Acknowledgements

Various City staff members were involved in the process of obtaining the Compressed Natural Gas (CNG) heavy duty vehicle. Mark Compton, the Public Works Department Operations Manager, oversees the fleet section which is vested with the responsibility of obtaining all vehicles for the City. He played a key role in selecting and obtaining the vehicle.

This report was submitted in fulfillment of ML07033 and the Purchase of a Heavy Duty CNG Vehicle by the City of La Habra under the partial sponsorship of the Mobile Source Air Pollution Reduction Review Committee (MSRC). Work was completed as of November 2008.

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 (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.

Project Description & Work Performed

The project initially involved determining the needs of the Public Works Department and assessing the types of vehicles that would provide maximum utility. The department provides various services to residents including refuse collection, street sweeping, street maintenance, water and sewer maintenance and other special projects as needed. The purchase was presented to and approved by the La Habra City Council on February 4, 2008. In November 2008, the truck was purchased from the Carmenita Truck Center, located in Santa Fe Springs, at a total cost of \$188,974.33. The MSRC grant funded \$25,000 of these expenditures and the city paid the balance of the costs.

The vehicle is of tremendous benefit to the department due to its versatility. It can be customized to perform various types of functions. It can serve as a 10-yard dump truck, a flatbed/tow truck and a 30-yard bin loader. There are other bed options available as well which further increase its versatility. Due to this purchase, the City has been saved the expense of buying multiple vehicles to meet the various work demands that arise on a daily basis.

Problems Encountered

No significant problems occurred during the course of acquiring or utilizing the vehicle.

Emissions Benefits

The CNG vehicle purchased is a 2008 multi-bed roll off dump truck. The emissions benefits derived from this CNG vehicle is very significant in that CNG fuel is much cleaner burning than diesel. There will be no diesel emissions which can produce harmful particulate matter. The truck will thereby contribute to creating a much healthier environment for the residents of La Habra.

Photographs & Outreach

An article was placed in the summer 2010 issue of the Life in La Habra community newsletter. This article highlighted that the city received the grant from the AQMD for the purpose of purchasing the CNG truck. The article went on to describe the various capabilities of the vehicle. The potential for upgrading the CNG station located at the City of La Habra Public Works Department City Yard was included in the article. This is a project to be pursued under a potential future AQMD MSRC grant.

An article was also placed in the February 2009 issue of the Public Works Department magazine. The article also highlighted the unique versatility of the truck and the utilization of the AQMD/MSRC grant to assist in funding the purchase.

Summary and Conclusions

In November 2008, the City of La Habra purchased a 2008 Heavy Duty CNG Vehicle with grant funds in the amount of \$25,000 received from the AQMD MSRC grant. This purchase has made a positive impact on the Public Works Department. The truck was purchased from the Carmenita Truck Center at a total cost of \$188,974.33. The City provided for the remainder of the costs.

The compressed natural gas vehicle is much cleaner burning than diesel vehicles thereby creating a cleaner environment for the residents of La Habra. The vehicle is of significant benefit to the Public Works Department as it can be utilized as a 10-yard dump truck, a flatbed/tow truck and a 30-yard bin loader.