

Contract Number ML06025
MSRC-CNG Vehicle Acquisition

City of Santa Monica

February 22, 2011

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



City of
Santa Monica®

FINAL REPORT

MSRC CONTRACT #AB2766/ML06025

11 HD CNG VEHICLES, and 1 HD ELECTRIC VEHICLE

THE CITY OF SANTA MONICA

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

Acknowledgements:

We'd like to thank the staff of the MSRC, especially Rachel Valenzuela and Cynthia Ravenstein, for their patience and help in successfully completing this contract.

This report was submitted in fulfillment of MSRC Contract ML06025 for the purchase of 10 HD CNG Refuse Vehicles, 1 HD CNG Truck, and 1 HD Electric Zero Emission Truck by the City of Santa Monica under the partial sponsorship of the Mobile Source Air Pollution Reduction Review Committee (MSRC). Work was completed on October 25, 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 (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 City of Santa Monica purchased 12 heavy duty vehicles including (10) dedicated CNG Refuse Trucks for use by the Resource Recovery and Recycling Department (formerly Solid Waste), (1) HD Zero Electric utility truck, and (1) HD CNG Irrigation Truck. The gross vehicle weight for the HD Electric Zero Utility Truck and the HD CNG Irrigation Truck is in excess of 14,500 lbs each. The ten refuse vehicles have a gross vehicle weight in excess of 33,000 pounds each. These vehicles are housed at our maintenance center located at 2500 Michigan Avenue in the City of Santa Monica with the refueling to take place at this same facility.

Problems Encountered:

There have been a variety of delays in purchasing these vehicles including a lack of available engines, changes in City Department operational needs and management staff, budget reductions and reevaluations of purchases. The purchase of the dedicated electric vehicle for the Water Dept. included funding from the AQMD and required approvals from our Council and the AQMD's board before manufacturing could begin.

Emissions Benefits:

The purchase of these natural gas powered vehicles and the one zero emissions truck will help reduce emissions and complies with the AQMD Fleet Rules and the City of Santa Monica's Sustainable City Plan.

Photographs and Outreach:

Included in this report are photographs of the compressed Natural Gas vehicles displaying the MSRC Logo Decals and a copy of the "billboard" that is now showing on City TV for the last 5 CNG Vehicles and the Zero Truck.

Summary and Conclusions:

The purchase of these vehicles helps the City of Santa Monica comply with AQMD Fleet Rules and the City's Sustainable City Plan. We have been able to show that with determination and perseverance almost any vehicle can be purchased and operated on CNG.

It is important the MSRC continue to fund these types of programs to help offset the incremental costs of clean air vehicles in the South Coast Air Basin. This helps improve the air quality and health for all residents in the area more quickly than relying solely on market forces and local funds.





