



Ware Disposal, Incorporated

Final Report

Project MS12034

Purchase of Natural Gas Vehicles

March 27, 2017

Prepared for the Mobile Source Air Pollution Preview Committee (MSRC) under the AB 2766

Discretionary Fund Work Program

Acknowledgements

Ware Disposal, Incorporated would like to acknowledge the following individuals/organizations who assisted with and contributed to the success of this project:

- Tom's Truck Center
- Mobile Source Air Pollution Review Committee (MSRC)
- South Coast Air Quality Management District (SCAQMD)

This report was submitted in fulfillment of MSRC 12034 and (PROJECT TITLE) by Ware Disposal, Incorporated under the partial sponsorship of the Mobile Source Air Pollution Review Committee (MSRC). Work was completed; the final vehicles were purchased on December 29, 2016.

Disclaimer

The statement and conclusions in this report are those of the contractor and not necessarily those of the Mobile Source Air Pollution 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 initial contract provided for \$195,000.00 in funding to offset the costs of purchasing and placing into service two (2) medium-duty (8,501 – 14,000 GVWR) vehicles and seven (7) medium-heavy duty (14,001 – 26,000 GVWR) vehicles. All vehicles purchased were to be equipped with dedicated compressed natural gas-fueled (CNG) engines.

Ware Disposal, Incorporated initially purchased and placed (6) new Isuzu NPR trucks (medium-heavy duty) into service. After the initial purchase, Ware Disposal, Incorporated determined the medium-duty vehicles, originally a part of the contract, would not meet performance needs.

Additionally, the purchase resulted in lower costs than expected.

The contract was amended and provided \$133,070 in funding to offset the costs of purchasing and placing into service eight (8) medium-heavy duty (14,001 – 26,000 GVWR) vehicles.

Ware Disposal, Incorporated purchased and placed the remaining two (2) new Isuzu NPR trucks (medium-heavy duty) into service.

All vehicles purchased are equipped with dedicated compressed natural gas-fueled (CNG) engines.

Vehicle identification numbers (VIN) for the vehicles purchased:

54DC4W1C1CS805393, 54DC4W1C6CS804532, 54DC4W1C4CS804531,

54DC4W1C6CS804966, 54DC4W1C0C5801822, 54DC4W1C9CS800071,

54DC4W1C5GS813339, 54DC4W1C5GS813194

Problems Encountered

Ware Disposal, Incorporated has not encountered any major problems with the CNG vehicles since placing them into service. The new vehicles have provided reliable performance and have received positive feedback from both our drivers and our customers.

Ware Disposal, Incorporated possesses its own CNG fueling infrastructure located at 1451 Manhattan Avenue, Fullerton, California. The facility was designed and is operated by Clean Energy of Seal Beach, California.

Emissions Benefits

Natural gas is the cleanest burning commercially available alternative fuel today, and its use as a transportation fuel, as it is in this application, helps to improve the air quality and the health of those fortunate enough to live and work in areas where it is in use. Natural gas vehicles of this type and size significantly reduce greenhouse gas emissions and other smog producing emissions compared to their diesel fueled vehicle counterparts.

Photographs & Outreach







Ware Disposal, Incorporated has developed a public outreach video and it is placed on our corporate website, wardisposal.com. In the video, Jay Ware, the General Manager of Ware Disposal describes how the company has converted the majority of its fleet to natural gas and the benefits the conversion has made to both the company and the environment.

Each Ware Disposal, Incorporated vehicle running on CNG is clearly labeled with decals noting the use of CNG and the support of MSRC.

Summary and Conclusions

Ware Disposal, Incorporated has placed clean burning compressed natural gas vehicles into service replacing vehicles traditionally fueled by diesel fuel. This change, supported generously by MSRC, benefits both the company and the environment.

Ware Disposal, Incorporated appreciates the support provided by the Mobile Source Air Pollution Review Committee (MSRC) and the South Coast Air Quality Management District (SCAQMD) for alternative fuel projects in the South Coast Air Basin.