

Final Report

Contract Number MS16081

Addition of Second CNG Compressor



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“We’ll Take Care of It”

May 9, 2016

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

Acknowledgements

This project was completed with the assistance of Robinson Mechanical and Riley Electric, Efrain Ramirez, Vice President/General Manager of EDCO and Don Harris, Special Projects Consultant for EDCO.

This report was submitted in fulfillment of Contract Number MS16081 and Secondary CNG Compressor by EDCO under the partial sponsorship of the Mobile Source Air Pollution Reduction Review Committee (MSRC). Work was completed as of December 2015.

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 considered as either an actual or implied endorsement of such products.

Project Description & Work Performed

This project involved the installation of a second CNG compressor at EDCO's Buena Park Vehicle Terminal. This location has 35 CNG collection vehicles fueled by a daily "time-fill" process conducted on site and a public CNG fueling station with substantial consumption of more than 20,000 gallons of CNG per month. In order to support the ever-growing CNG fueling demands of the area, the second CNG compressor was added at this site. The second compressor was installed to increase fueling capacity with three additional CNG storage spheres added to the station's original compressor and spheres that were installed in 2012. The addition of the second compressor has increased fueling capacity and maintained fueling pressure in times of heavy usage. For example, the public station's additional fueling capacity is now capable of fueling four CNG vehicles at once while maintaining fueling pressure of 3600 PSI. The second compressor also provides coverage during any downtime of the main compressor. EDCO has come to the conclusion the investment in CNG fueling infrastructure will benefit the region.

Problems Encountered

No problems were encountered on this project.

Emissions Benefits

Increased efficiency in fueling CNG vehicles will promote the expansion and availability of CNG fuel and attract more conversion from fossil fuel sources.

Photographs & Outreach

Below are photos of the new CNG Compressor displaying the MSRC decal. EDCO's public education outreach to promote our efforts to provide a clean, healthy environment through Clean Transportation Funding from the MSRC included a press release sent to Los Angeles and Orange County media outlets. The press release, attached, titled "EDCO Adds Second CNG Compressor to Existing Public CNG Fueling Station," highlighted the addition of a second compressor and the impact of increased fueling capacity.



Summary and Conclusions

The addition of a secondary compressor at EDCO's Buena Park CNG fueling station will assist in the expansion of alternative fuel availability options in the region, ultimately attributing to the reduction of Green House Gas Emissions.