

CONTRACT ML14025
INSTALLATION OF COMPRESSED NATURAL GAS
STATION IN MALIBU

COUNTY OF LOS ANGELES DEPARTMENT OF
PUBLIC WORKS

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Committee (MSRC) Under the AB 2766 Discretionary
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This report was submitted in fulfillment of ML14025 and the Installation of Compressed Natural Gas Station in Malibu by the County of Los Angeles Department of Public Works under the partial sponsorship of the Mobile Source Air Pollution Reduction Review Committee (MSRC). Work was completed and the compressed natural gas station was opened for use on October 1, 2018.

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.

Final Report

The County of Los Angeles (LA County) is committed to improving the lives and wellbeing of its more than 10 million residents. As part of that commitment, LA County Public Works has been increasing its efforts to improve the air quality in the county by purchasing cleaner burning vehicles that lower the emissions and pollutants in the air. These purchases include vehicles that are fueled by compressed natural gas (CNG) and which replace diesel and gasoline fueled vehicles. As Public Works continues to transition its fleet to CNG fueled vehicles, it is becoming crucial to build fueling infrastructure to support its evolving fleet.

This project involved the construction of a CNG station at Public Works' Malibu yard, located at 3637 Winter Canyon Road in Malibu. The CNG station was designed to include one fast-fill and six slow-fill dispensers, a 45 gasoline gallon equivalent (GGE) capacity storage tank, a 75 HP compressor, and 120 PSI dryer. The CNG station was also equipped with Assetworks FuelFocus (fuel management system) hardware to track and monitor CNG fuel consumption.

The contract for the project was awarded to the lowest bidder, TruStar Energy, on June 6, 2017. Construction of the CNG station began in July 2017 and was completed in February 2018. Following the installation, Public Works experienced delays with the connection to the gas meter. A proposed moratorium prevented the gas company from scheduling any services for new gas connections. Once the issue was resolved in March 2018, the gas company resumed their services. Connection to the gas meter was completed in July 2018. The CNG station became fully operational and opened for use on October 1, 2018.

Although this project did not directly eliminate emissions, it has provided Public Works with the fueling infrastructure to support CNG vehicles in key areas such as Malibu. The CNG station in Malibu services Public Works as well as other County department vehicles, further contributing to reduced emissions and improved air quality in LA County.

This project has given Public Works the opportunity to install one of its first ever County-owned CNG stations. Although we experienced several delays along the way, it has provided us with the necessary insight for future similar projects. Public Works simultaneously worked on and completed the Castaic CNG station, and we have upcoming CNG station projects in La Puente and Canyon Country that are in progress. Additionally, we were recently awarded grant funds to build two more CNG stations in La Crescenta and Downey. This additional fueling infrastructure is crucial and allows Public Works to continue to purchase CNG vehicles. Public Works is well on its way to fulfil the mission of improving the air quality in LA County.