

ML12018

Compressed Natural Gas (CNG) Fueling Station Upgrade

City of West Covina



January 24, 2020

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

Acknowledgements

The project was completed with the assistance of Cynthia Ravenstein, MSRC Contracts Administrator.

This Report was submitted in fulfillment of Contract Number ML12018 and CNG Fueling Station Upgrade by Amtek Construction under the partial sponsorships of the Mobile Source Air Pollution Reduction Review Committee (MSRC). Work was completed as of May 18, 2018.

Disclaimer

“The statements 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

This Project upgraded the existing CNG facility at the City of West Covina City Yard by removing and replacing the existing compressor with duplex high-capacity compressors and controls, new storage vessels, process piping, dispensers and associated electrical and mechanical equipment. The improvements also included upgrading the card reader hardware and software, alarm signaling system and electrical power supply. The City has 13 CNG vehicles. Because of the CNG facility upgrade, these units do not have to travel to neighboring cities to fuel. It's also become a secondary fueling site for surrounding public agencies.

All required improvements were constructed in conformance with the approved plans and specification. The project was completed on May 18, 2018, within the contract time. One change order in the amount of \$15,350 was issued for additional work that included: upgrading the fuel management equipment; replacing the circuit breaker; installing a new power transformer; and replacing the three existing gas storage vessels. The change orders increased the original contract amount by less than two percent, for a final contract amount of \$802,901.

Problems Encountered

No problems encountered throughout the project.

Emissions Benefits

The short “down” times and additional miles traveled has reduced our carbon footprint, as well as reduced fuel costs and increased productivity.

Photographs & Outreach



The following state can be found in the City of West Covina Website under Engineering Division:

“Public Works staff obtained funding from the South Coast Air Quality Management District (SCAQMD) under the Mobile Source Air Pollution Reduction Review Committee (MSRC) grant in the amount of \$300,000 and Clean Fuels grant in the amount of \$200,000 for design and construction of the City Yard CNG Facility Upgrades. The project will replaces the existing inoperable compressor with duplex compressors and controls, new storage vessels, dispensers and associated electrical and mechanical equipment. The total cost of the project is \$930,000 with local match using AB2766 funds. This project is currently in procurement. Construction will start in September 2017.”

Website URL:

<https://www.westcovina.org/departments/public-works/engineering-division/city-yard-compressed-natural-gas-cng-facility-upgrades>

Summary and Conclusions:

All installation and required improvements were contracted in conformance with the approved plans and specifications. It will assist in the expansion of alternative fuel availability options in the area, reducing noise pollution, and fewer emission which positively impact our air quality.