

FINAL REPORT

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

Hacienda La Puente Unified School District

Compressed Natural Gas (CNG) Infrastructure

Contract Number MS14083

June 16, 2021

This report was submitted in fulfillment of **Contract Number MS14083** and Compressed natural Gas Filling Station by Hacienda La Puente Unified School District under the partial sponsorship of the Mobile Source Air Pollution Reduction Review Committee (MSRC). Work was completed as of May 30, 2018.

Table of Contents

Title Page.....	1
Contents.....	2
Acknowledgements.....	3
Disclaimer.....	4
Project Description and Work Performed.....	5
Problems Encountered.....	6
Emissions Benefits.....	7
Photographs and Outreach.....	7, 8, and 9

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Hacienda La Puente Unified School District

1. Cynthia Parulan-Colfer, Superintendent
2. Annie Bui, Associate Superintendent
3. Mark Hansberger, Director of Facilities
4. Robert Wilcox, Facility Manager
5. Director of Purchasing, Vicki Cobos
6. Director of Fiscal Services, Barry Oh
7. Director of Transportation, Raymond James

DC Architects, Construction Manager

1. Alan Camerano, Architect/Project manager

Fastech

1. Jeffrey Latham
2. Greg Funk

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 Hacienda La Puente Unified School District sought to add a “time fill” CNG station to support its (13) thirteen district owned CNG school buses. The District had previously contracted with Valley Vista Fuels, a local vendor to supply CNG for the fleet.

The CNG fueling infrastructure was built at the District’s Transportation facility located at 15959 E Gale Avenue City of Industry, CA 91716. The Transportation facility was previously equipped to provide fuel for diesel and unleaded vehicle only.

The project’s scope was to construct and install a “time fill” CNG fueling infrastructure with 24 time-fill posts and (1) one “fast-fill” dispenser with on-site storage. The time-fill system is capable of dispensing up to 200 GGE over eight hours, with all stations occupied and filling from the fueling system. Typical fill procedure will have each bus driver park their vehicle in one of the 24 CNG stalls and prepare the bus for an overnight time-fill. Not only does this take advantage of “time of use” rates for electricity by refueling when energy costs are at their lowest, but maintains efficient operation schedules for student transportation services.

HLPUSD received verbal commitments for usage of the “fast fill” options from two of our surrounding districts with a need for access to CNG fuel for their own fleet of transportation vehicles.

The new fueling infrastructure includes:

- (2) Two Natural Gas Compressors for redundancy
- (1) One Station Status Panel
- (1) One Above Ground Storage Container for “Fast Fill”
- (6) Six “Time Fill” posts with (4) four fueling hoses each for a total of 24 time fill stations

Problems Encountered

In summer 2014, the Hacienda La Puente Unified School sought and received approval from its Board of Education Trustees to add a Compressed Natural Gas Fueling infrastructure to its property located at 15959 E Gale Ave, City of Industry CA, 91716, in support of its thirteen district owned CNG powered school buses.

Plans and designs for the work were completed in 2014. The project was taken out to publicly advertised bid 2015. The bid was awarded to Fueling and Service Technologies (FASTECH) on May 14, 2015. Upon award of the bid, FASTECH began work on completing the permit process.

The permit process for this project was subject to extraordinary delays due the project location and confusion about the authority having jurisdiction. The project location is within the City of Industry. The City has not acted as the permitting authority for any school projects in the past 50 years, when the District Offices were originally constructed. City staff were unsure how to proceed with approval.

Throughout this process, the District vigorously pursued the project. After considerable discussion and delay, the City asked the District to complete a revised California Environmental Quality Act (CEQA) review process in May of 2016. The District had previously determined that the project was categorically exempt under CEQA. An initial study completed and the necessary paper work submitted to the City. The City accepted the project as categorically exempt on February 27, 2017.

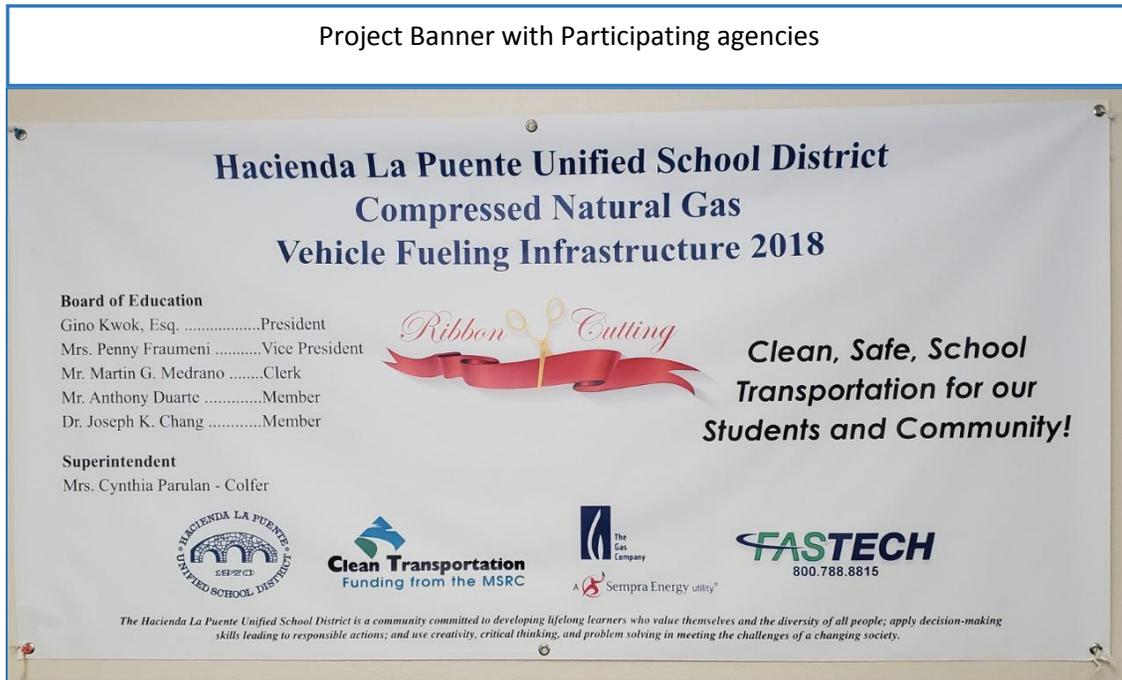
Completion of the environmental exemption process allowed the building permit process to begin. The City contract with the County of Los Angeles for building code approval. County and City completed all necessary reviews and issued the construction permit on January 10, 2018.

Construction was completed in May of 2018. Following a ribbon cutting ceremony, the CNG station went into service May 30, 2018.

Emission Benefits

The newly constructed facility averages a monthly throughput of 550 DGE of CNG. This equates to approximately 50,787 lbs. of CO2 diverted from the atmosphere annually.

Photographs and Outreach



Superintendent Mrs. Cynthia Parulan-Colfer, Mayor Pro Tem Mr. Dan Holloway, Board President Gino Kwok Esq., Board VP Mrs. Penny Fraumeni, Board Clerk Mr. Martin Medrano



CNG Compressor Pad, Panel and Fast Fill Storage ball



Time Fill (4) Hose post, 1 of 6



CNG Station Ribbon Cutting Ceremony

