

CONTRACT ML14023
UPGRADE OF MAINTENANCE FACILITY IN
WESTCHESTER

COUNTY OF LOS ANGELES DEPARTMENT OF
PUBLIC WORKS

February 26, 2021

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

Acknowledgements

MTM Construction, Inc.
The Gordian Group Inc.
Alta Environmental LP
Cumming Construction Management Inc.
IDS Group Inc.
Parsons Environment and Infrastructure Group Inc.
Simpson & Simpson Management Consulting, Inc.

This report was submitted in fulfillment of ML14023 and the Upgrade of Maintenance Facility in Westchester 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 maintenance facility was operational as of September 2020.

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 its transition to CNG equipment, we are investing in new infrastructure to upgrade our maintenance facilities to accommodate repairs on CNG vehicles.

Public Works' Westchester Repair Shop was one of the facilities recently upgraded to support the repair of CNG vehicles. The shop is located at 5530 W 83rd St, Los Angeles. The project involved installing a methane monitoring and detection system, rooftop ventilation and automated control equipment, seven gas heaters, and replacing existing light fixtures. It is now fully equipped to provide technicians the ability to safely repair CNG vehicles in house.

The design portion of the project began in 2016 and was completed in 2017. Public Works experienced several delays in the early stages of the project, including budget/finance issues and compliance issues with the design. Additional funding was secured for the project. Internally, the project was also designated as a capital project and Public Works was required to prepare and submit paperwork to identify it as such. This process took some time, and the Board approved the request on January 8, 2019. The notice to proceed was issued on April 10, 2019. However, Public Works experienced additional delays due to the contract capacity. Funds were reallocated to accommodate the project budget. The construction portion of the contract began in July 2019. New heating and ventilation systems, controllers, and lighting fixtures were installed in the months thereafter. After resolving issues that arose with the interior bay lighting, the final Notice of Completion was issued effective September 21, 2020.

Although this project did not directly eliminate emissions, it has provided Public Works with the ability to maintain CNG vehicles in house and invest in the safety of those working on the vehicles.

As Public Works continues to move toward a green fleet, supporting infrastructure is needed to keep up with demand. This project was the second of its kind to be completed by Public Works. Baldwin Park Repair Shop's maintenance facility was also recently completed, bringing Public Works' total to three CNG maintenance facility upgrades. Public Works plans to continue to invest in projects which promote cleaner air and improve the air quality in LA County.



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DANGER OF ELECTRIC SHOCK
DO NOT OPEN THE DOOR
WHILE THE MOTOR IS RUNNING

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EF-1 400V 3PH PANEL 'CB-1' #-1

EF-2 400V 3PH PANEL 'CB-2' #-2

EF-3 400V 3PH PANEL 'CB-3' #-3

EF-1 400V 3PH PANEL 'CB-1' #-1

EF-1 400V 3PH PANEL 'CB-1' #-1

EF-2 400V 3PH PANEL 'CB-2' #-2

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IMPROVING LOS ANGELES COUNTY'S AIR QUALITY

December 17, 2020

Improving Los Angeles County's Air Quality, One Project At A Time

Los Angeles County Public Works is committed to providing clean air and improving air quality throughout the County region. As part of this commitment, Public Works continues to invest in projects to reduce pollution from agency-operated vehicles.

Since procuring its first fleet of Compressed Natural Gas (CNG) vehicles in 2009, Public Works has worked diligently to build infrastructure to support the County's transition to CNG, from installing CNG fueling stations to modifying maintenance facilities to enable CNG vehicle repairs.

Public Works completed modifications to maintenance facilities at Westchester and Baldwin Park Fleet Shops in May and October 2020. Facility upgrades include methane gas detectors and sensors, emergency ventilation systems, replacements of overhead space heaters and lighting fixtures. These modifications allow internal fleet management technicians to safely manage an increasing number of CNG vehicles without soliciting consultants for routine maintenance and repairs.

According to Keith Lehto, Assistant Deputy Director for Fleet Management Division, the upgrades allow "technicians to safely work on CNG equipment within the shop work bays and protected from the elements when working outside."

Currently, 30 CNG vehicles are assigned to Westchester Fleet Shop for repairs, while 29 vehicles are assigned to Baldwin Park Fleet Shop. Public Works manages a total of 142 CNG vehicles in its fleet, with more being added each year.

Funding for the agency's CNG facility upgrade projects was awarded through Mobile Source Air Pollution Reduction Review Committee grants—approximately \$230,000 allocated to each facility at Westchester and Baldwin Park.

With newly retrofitted systems in place for CNG fleet maintenance, Public Works can continue to secure CNG trucks, sweepers and other heavy-duty equipment to reduce vehicle emissions while protecting the environment

Newsflash Jan. 8

LA County Public Works Uses MSRC Grants for CNG Safety Upgrades



Los Angeles County Public Works is committed to providing clean air and better quality of life to its residents. As part of this commitment, Public Works has been investing in projects that help achieve that goal.

Since 2009, Public Works has been purchasing and acquiring cleaner-burning compressed natural gas (CNG) trucks, sweepers, and buses to replace older gasoline- and diesel-powered vehicles and equipment. Subsequently, Public Works began diligently working on building infrastructure to support the transition to CNG, including the installation of CNG fueling stations and modification of existing vehicle maintenance facilities to accommodate CNG vehicle repairs.

Modifications on the two maintenance facilities located at the Westchester and Baldwin Park yards were recently completed. The new facility upgrades included adding methane gas detectors and sensors, adding emergency ventilation systems, and replacing overhead space heaters and lighting fixtures. These modifications now allow the Fleet Management Division maintenance shops to safely repair the growing number of CNG vehicles in-house, without the need to outsource these types of repairs.

Mark Heighes, Shop Superintendent at Westchester, states these upgrades create a "safer environment for technicians working on CNG equipment." Currently, 30 CNG vehicles are assigned to Westchester for repairs, while 29 are assigned to Baldwin Park. Public Works has a total of 142 CNG vehicles in the fleet, with more being added each year.

These projects were made possible, in part, by grants received from the [Mobile Source Air Pollution Reduction Review Committee \(MSRC\)](#) in the amount of \$230,000 per location.

With these newly retrofitted systems in place, Public Works can continue to purchase CNG trucks, sweepers, and buses to do their part in reducing vehicle emissions and fulfilling their commitment to clean air for Los Angeles County.
