

**City of Culver City
Final Report
September 30, 2019**

Contract No. ML18076

Contract Period – October 5, 2018 through October 5, 2023

Acknowledgements

This report was submitted in fulfillment of Contract No. ML18045 for funding toward the purchase of one (1) light-duty battery electric vehicle (BEV) by the City of Culver City under the partial sponsorship of the Mobile Source Air Pollution Reduction Review Committee.

Disclaimer

The statements and conclusion 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 herein is not to be construed as either an actual or implied endorsement of such product.

Project Description and Work Performed

The City of Culver City adopted CNG technology in 1996 in accordance with early South Coast Air Quality Management District (AQMD) air quality mandates. Viewing CNG as the most viable and cost effective way to lower petroleum-based engine emissions, Culver City expanded its CNG fleet from the initial purchase of 20 transit busses in 1998 to a current total of more than 100 light-, medium-, and heavy-duty vehicles. In 2015, the City of Culver City took delivery of its first battery electric vehicles and continues to expand its all-electric fleet. Contract ML18076 allocates \$1,130 for the purchase of one (1) battery electric sedan for use by the City's Transportation Department.

Culver City originally submitted a proposal to purchase one (1) light-duty battery electric vehicle (BEV) using Clean Transportation Funding from the MSRC on March 6, 2018. The City planned to contribute the balance of funds toward each vehicle from the City's own Transit Capital Fund. The total cost of the replacement was \$32,134.51 which was less than the estimated project cost at the time of the grant application.

The purchase order for the new vehicles was issued by the City on December 11, 2018. The vehicle was delivered on April 25, 2019.

Upon delivery, each vehicle underwent thorough inspection by the City's technicians and made ready for service.

Problems Encountered

No problems were encountered during this project.

Emissions Benefits

Utilizing the California Air Resources Board (CARB) approved calculation methodology, emission reductions for the battery electric sedan were realized by comparing the emissions from the new 2019 electric motor to the 2008 CNG engine in the sedan it replaced.

Public Outreach

Public outreach was conducted in compliance with the City's proposed outreach plan. All presentations, publications, articles, and signage present and promote Clean Transportation Funding from the MSRC via the prominent placement of the loco, and reference to the website www.cleantransportationfunding.org. The vehicles also prominently display the Clean Transportation Funding sticker.

Additionally, the MSRC was named in additional outreach by Culver CityBus in coordination with the 2019 Climate Mayors Summit in Honolulu, Hawaii.



Summary and Conclusion

The Local Government Partnership Program provides an excellent opportunity for municipalities to replace their diesel vehicles with alternative fuel replacements. The City is realizing significant GHG reductions through the service provided by this vehicle, as well as NOx and PM-10, over the 8-year

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service life. Culver City is proud to partner with the MSRC in its commitment to reducing air pollution emissions to improve air quality.

For additional information or questions, please contact:

Allison Cohen
Fleet Services Manager
City of Culver City
4343 Duquesne Avenue
Culver City, CA 90232
(310) 253-6543
allison.cohen@culvercity.org