



WATER AND POWER

FINAL REPORT

CONTRACT NO. ML18101

LEVEL II EV CHARGING STATIONS PROJECT

City of Burbank

February 4th, 2023

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

Acknowledgements:

Burbank City Council

Burbank Water and Power Board

Chargepoint, Inc.

City of Burbank – Building and Safety

City of Burbank – Public Works

Mobile Source Air Pollution Reduction Review Committee – Matthew McKenzie and Cynthia Ravenstein

This report was submitted in fulfillment of Contract No. ML18101 and Level II EV Charging Stations Project by the City of Burbank, Burbank Water and Power under the partial sponsorship of the Mobile Source Air Pollution Reduction Review Committee. Work was completed as of June 10, 2021

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 or the South Coast Air Quality Management District. 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.

Executive Summary

The Mobile Source Air Pollution Reduction Review Committee (MSRC) and the City of Burbank have executed Contract No. ML18101 to install twenty (20) “Level II” type publicly accessible Electric Vehicle (EV) Charging Stations. On February 27, 2018, the City Council authorized staff to submit an application to the Mobile Source Air Pollution Reduction Review Committee’s Local Government Partnership Program (Program) for the installation of twenty (20) electric vehicle charging stations for public use. The Program co-funds clean air projects that utilize AB 2766 Motor Vehicle Registration Fee Subvention Funds. The City’s application was approved on February 1, 2019. On July 20, 2021, the MSRC authorized a grant extension request due to delays from the COVID-19 pandemic. At that time, an amendment was authorized that would allow the substitution of dual-port stations for the project, each dual-port station being the equivalent of 2 single-port stations.

Burbank Water and Power (BWP) utilized existing competitively bid contracts with Chargepoint Inc. and Video Voice Data (VVD) under the Joint Power Agreement between BWP and Southern California Public Power Authority (SCPPA) to complete this project. Charging stations were purchased from Chargepoint Inc., and VVD installed the underlying infrastructure to support the installation of the charging stations. An existing contract with Pavco, Inc. was used for restriping and resurfacing of parking lots.

Eight of the Electric Vehicle Charging Stations are located at the Community Service Building/Burbank Central Library parking (375 E Olive Ave, 91502), and an additional two are at the BWP Lake Street Lot (319 N Lake St, 91502). All stations are accessible to the public 24 hours a day, 7 days a week. Two-hour parking limits apply from 6 AM to 6 PM, and the hourly limits are unrestricted after that period. The 8 dual-port stations installed at 375 E Olive Ave were commissioned on June 10, 2021, and the 2 dual-port stations at 319 N Lake St. were commissioned on May 17, 2021. A ribbon-cutting ceremony for the 375 E Olive Ave stations was performed on July 12, 2021.

Project Description and Work Performed

The 2016 Air Quality Management Plan (AQMP) was designed as the regional blueprint for establishing the federal air quality standards for healthful air. As a result, the 2016 AQMP recognized how important it was to work with other agencies to develop funding and incentives that would encourage the accelerated transition to cleaner vehicles and mobility strategies. To “jumpstart” the awareness of the measures outlined in the 2016 AQMP, the MSRC offered to directly partner with cities and counties within the South Coast Air Quality Management District (SCAQMD) on a new program known as the “Local Government Partnership Program.”

The program concentrated on an accelerated transition to zero and near-zero emissions vehicles, including the essential supporting infrastructure. The Local Government Partnership Program offers to partner with cities and counties that already participate in the AB 2766 Subvention Fund program and the City of Burbank, meeting that requirement, applied to the program. The application was to install twenty (20) Level II charging stations at multiple locations, the locations considered tentative in contract ML18101. The MSRC subsequently notified the City of Burbank that its project had been approved.

On April 13, 2020, BWP executed a task order through SCPPA for the purchase of 26 dual-port CT4000 charging stations, including cloud plan licensing. 10 of these stations were intended for use under contract ML18101, the other stations went to additional projects BWP was performing at the time. The total contract was \$228,309.16, with a proportionate share of \$87,811.22 going to the projects completed under contract ML18101.

Through SCPPA, BWP selected VVVD to install the make-readies for the charging stations, as well as perform striping and accessibility modifications to the project sites. A task order authorizing up to \$45,713.00 was executed for the project at 319 N Lake St on March 8, 2021, and a subsequent amendment was made on May 4, 2021 to increase the amount to \$51,963.00 to include additional modifications to make the parking lot more accessible to the public. A task order was approved on February 24, 2021 for a not to exceed cost of \$90,685.00 for the project at 375 E Olive Ave. This was subsequently amended on April 13, 2022 to a not to exceed cost of \$92,583.25 to include permit fees.

During the permit review process, it was determined that repaving was necessary at 375 E Olive Ave outside of the scope of the contract with VVD. BWP utilized an existing competitively bid paving contract with Paveco Construction, Inc. to complete the paving at that location.

BWP’s licensed electricians installed the charging stations on the completed foundations and wired and commissioned the charging stations under BWP’s standard procedure for installing public charging stations.

Upon completion of the installation at 375 E Olive Ave, a ribbon-cutting ceremony was held on July 12, 2021. It was attended by Burbank City Council, Congressman Adam Schiff, representatives from various local and state organizations, and members of the general public.

Results and Conclusion

The growth of the electric vehicle (EV) industry is increasing every day. The newly installed charging stations provide a useful service to the public and demonstrate to the community the City of Burbank’s commitment towards reducing air pollution-producing tailpipe emissions. A total of \$273,390.29, was expended on the completion of this project; a breakdown of the expenses is listed below in Table 1. Since the installation of the ten dual-port EVSE, more than 14,000 accumulated sessions have been logged and nearly 160 MWh of electricity has been delivered to EVs—significantly offsetting the use of fossil fuels.

Table 1: Detail of Project Expenses

Contractor/Entity	Scope	Cost
Chargepoint, Inc.	EVSE, cloud licensing	\$87,811.22

Video Voice Data	Charging station make-readies, striping, accessibility modifications	\$144,546.30
Paveco Construction, Inc.	Paving, restriping	\$7,650.00
Burbank Water and Power	Charging station installation, labor, and materials	\$33,382.77
Total		\$273,390.29

Photographs

375 E Olive:







Ribbon Cutting Ceremony



319 N Lake Street





Outreach Attachments:

CSB Chargers Communication Plan

June 2021 Print Currents Excerpt

June 2021 Digital Currents

Lake St. Flyer