



FINAL REPORT

CONTRACT NO. ML18040A

# **Electric Vehicle Charging Stations Installation Project**

City of Agoura Hills

October 1, 2019

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

## **Acknowledgements:**

BlackDog Electrical Systems, Inc. President Chris Moody

ChargePoint, Inc. Sales Director David Nevarez

City of Agoura Hills Building & Safety Department

City of Agoura Hills City Manager's Department

City of Agoura Hills Recreation & Event Center

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

This report was submitted in fulfillment of Contract No. ML18040 and Electric Vehicle Charging Stations Installation Project by the City of Agoura Hills under the partial sponsorship of the Mobile Source Air Pollution Reduction Review Committee (MSRC). Work was completed as of June 30, 2019.

## **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 herein 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 Agoura Hills have executed a Contract No. ML18040 to install two “Level II” type publically accessible Electric Vehicle (EV) Charging Stations.

On February 14, 2018, the City Council authorized staff to make an application to the Mobile Source Air Pollution Reduction Review Committee’s Local Government Match Program (Program) for the installation of two (2) 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 May 4, 2018.

On May 8, 2019, the City Council authorized staff to enter into an agreement with ChargePoint, Inc. for two (2) Level II Electric Vehicle Charging Stations under their donation program “FivePoint Charging Station Donation Program” at no cost. City Council also authorized and awarded the installation contract to BlackDog Electrical Systems, Inc. utilizing the Mobile Source Air Pollution Reduction Review Committee’s Local Government Match Program funds.

The Electric Vehicle Charging Stations are located at the City of Agoura Hills Recreation & Event Center 29900 Ladyface Court, Agoura Hills, CA 91301. The two charging stations will provide a total of two ports that are publically accessible 24 hours a day 7 days a week. The City’ Electric Vehicle Charging Stations were installed without any issues and were completed in June 2019.

## Discussion:

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 Mobile Source Air Pollution Reduction Review Committee (MSRC) offered to directly partner with cities and counties within the South Coast AQMD on a new program “Local Government Partnership Program”.

The program concentrated on an accelerated transition to zero and near-zero 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 and the City of Agoura Hills met that requirement and submitted an application for approval to install two (2) Level II charging stations. The MSRC notified the City of Agoura Hills that it’s project was approved.

The project to install two (2) electric vehicle charging stations will be the first effort by the City to provide publicly accessible charging stations for the Agoura Hills community and its visitors. The location for the EV Charging Stations are:

Location	# of Charging Stations	# of Ports
Agoura Hills Recreation & Event Center	2	2

### Procurement Process:

Staff researched potential vendors, in acquiring the EVCS, by looking into features such as equipment costs, network outreach, including any incentive-based programs that could possibly be beneficial to the City. One vendor in particular, ChargePoint, was offering a donation program called the “FivePoint Charging Station Donation Program”. The donation agreement allows the City to receive two (2) pedestal single port EVCS at no cost, but does have expenses associated with the installation and delivery process.

ChargePoint is an industry leader offering a customizable turnkey solution. Their five-year prepaid Commercial Cloud Plan handles all network and software applications. Additionally, a five-year prepaid ChargePoint Assure Plan that covers the maintenance and management portion of the stations helps to ensure a “worry free” atmosphere. ChargePoint’s offer of a mobile app and real-time data, makes it easy for the general public to find any one of their 25,000+ stations. ChargePoint provides world-class service products and support to keep stations online, provides 24/7 driver support, along with assistance in energy management to help keep energy costs down.

Once the EV charging station vendor was secure staff solicited and received three (3) informal bids from authorized ChargePoint installation companies, to perform EVCS installation services. Bids received were as follows:

<b>Companies</b>	<b>Bids</b>
ABM Electrical & Lighting Solutions	\$31,101
<b>Blackdog Electrical Systems, Inc.</b>	<b>\$16,420</b>
Voltaic	\$17,947

Staff reviewed all informal bids submitted and selected the low bidder, Blackdog Electrical Systems, Inc., and deemed their bid responsive and acceptable. On May 8, 2019, the City Council awarded the installation contract of two (2) Electric Vehicle Charging Stations to BlackDog Electrical Systems, Inc.

The City of Agoura Hills EV Charging Station Installation Project was completed in June 2019.

## **Results and Conclusions:**

The growth of the electrical vehicle industry is increasing. These charging stations provide a useful service to the public and demonstrate to the community the City of Agoura Hills commitment towards reducing air pollution-producing tailpipe emissions. This installation project consisted of two (2) EV Charging Stations at the Agoura Hills Recreation & Event Center which are the first ones to be installed at a city owned facility and are available for public accessibility 24/7.

## Photographs:



*Location: Agoura Hills Recreation & Event Center*



*Location: Agoura Hills Recreation & Event Center*



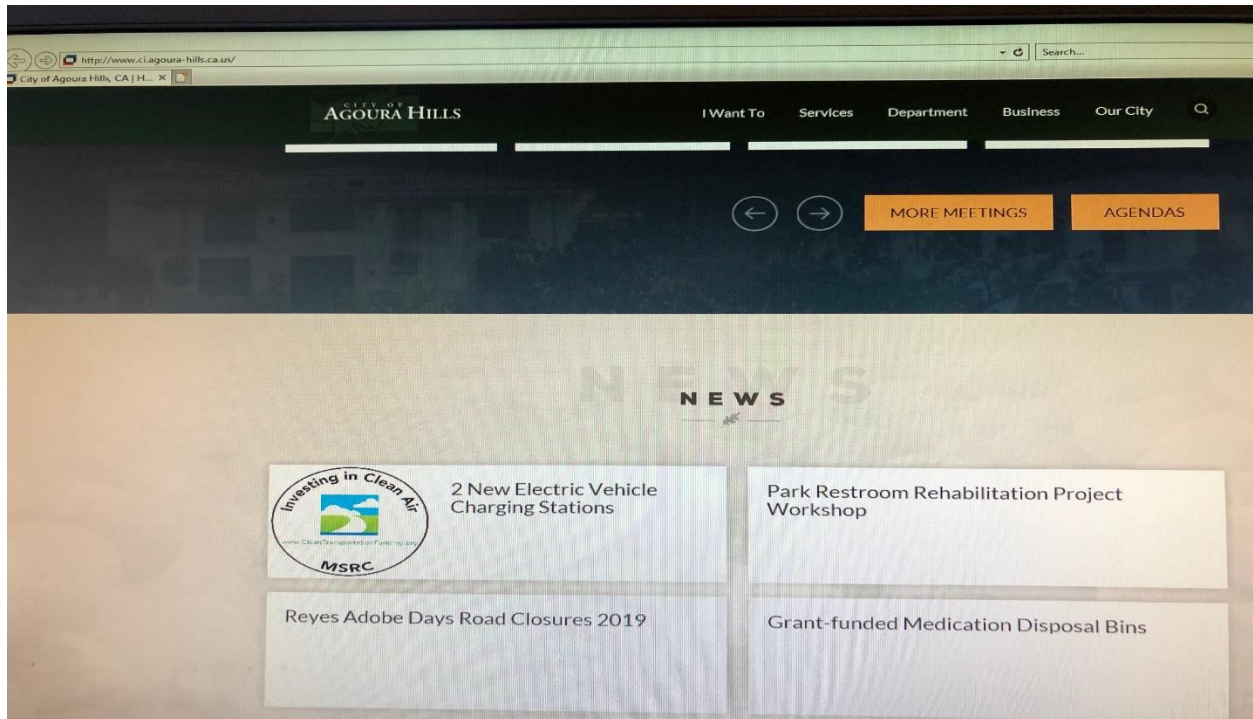


*Mayor & City Council Ribbon Cutting Ceremony September 10, 2019*

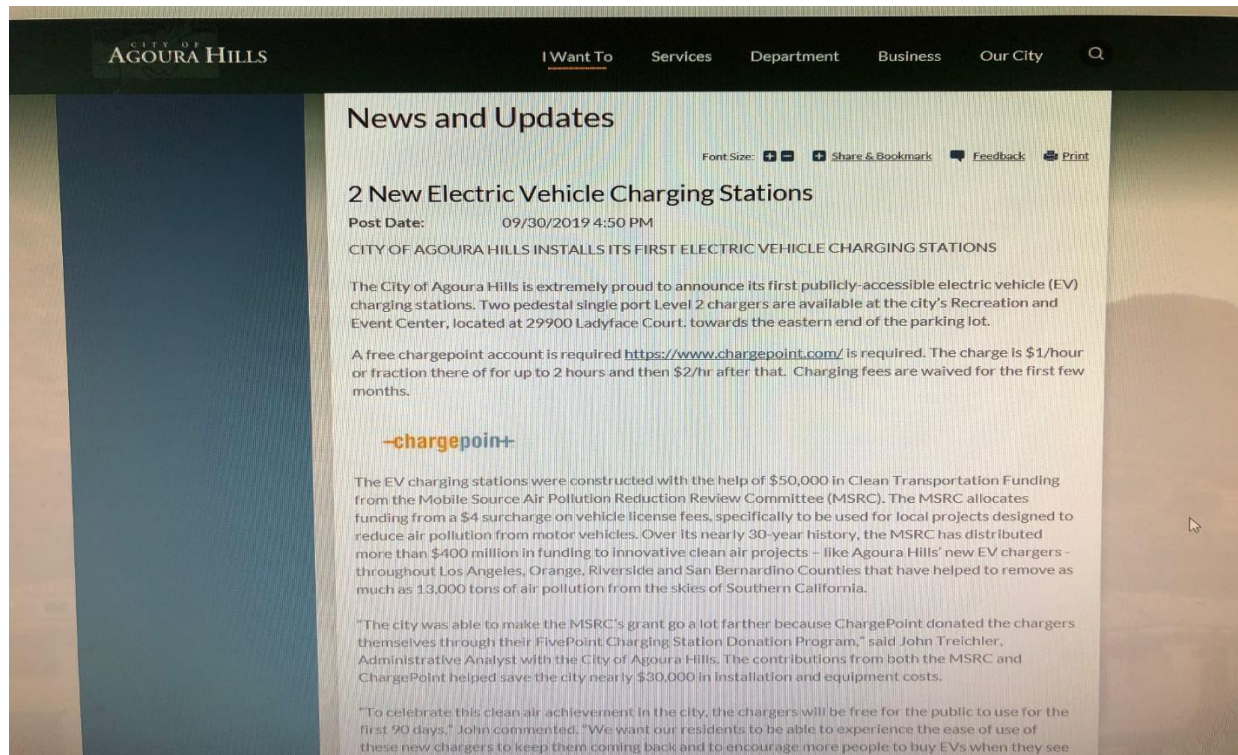


*Media Article September 19, 2019 Acorn Newspaper*





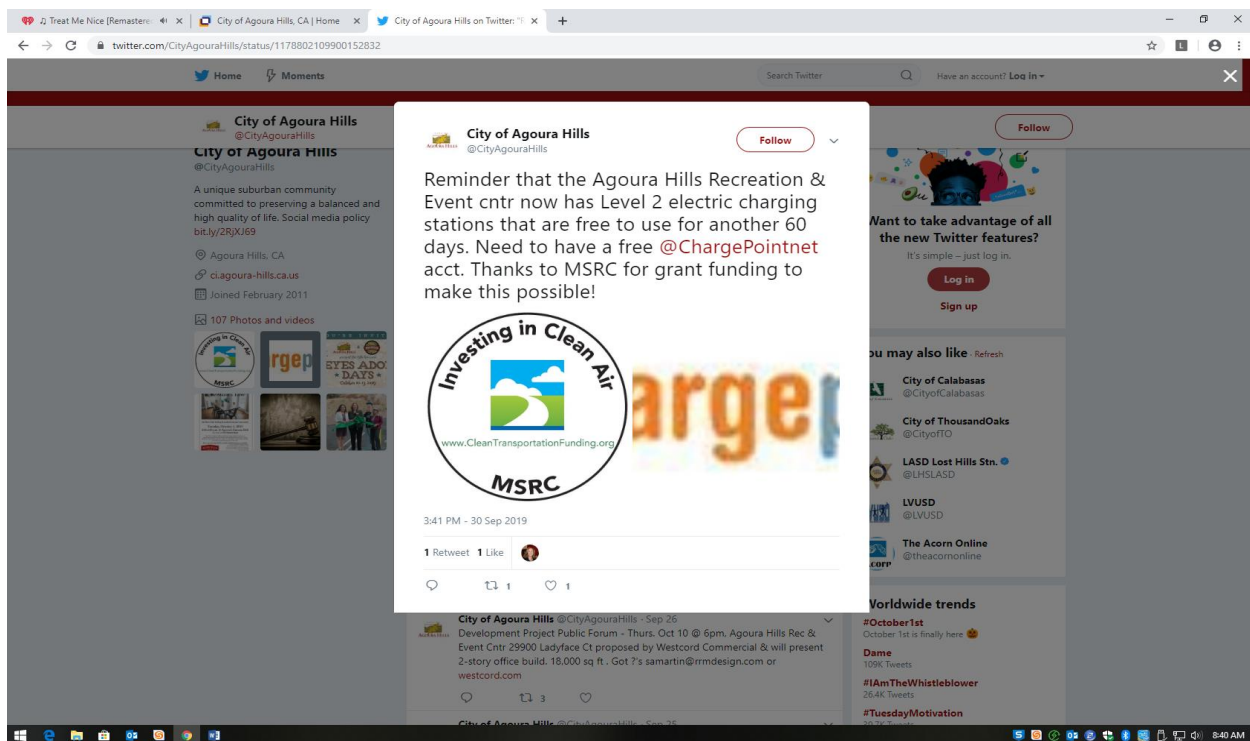
**City of Agoura Hills website**



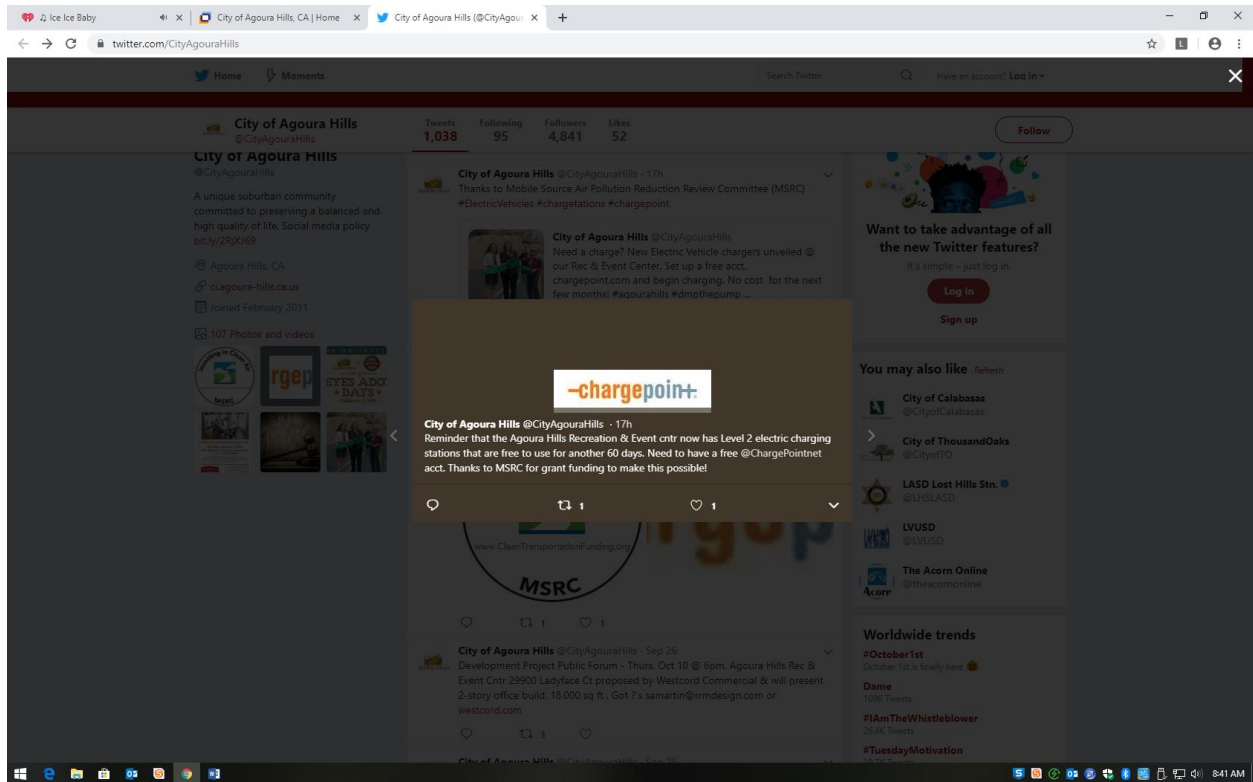
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