

Valley Air ZEV Mobility Pilot Project

The San Joaquin Valley Air Pollution Control District, has received a \$749,800 grant from the California Air Resources Board for the transformative implementation of advanced clean car sharing and mobility options in census tracts that are within the top 19% of disadvantaged communities. The funding for the ZEV mobility project will develop Electric Vehicle Supply Equipment (EVSE) infrastructure in the San Joaquin Valley, offering more than 1,000 participants residing in targeted disadvantaged communities a combined electric vehicle (EV) vanpooling and car-sharing service. The project enables participants to obtain affordable access to EVs without the burden of ownership.



The ZEV Mobility Pilot Project is part of California Climate Investments, a statewide initiative that puts billions of cap-and-trade dollars to work reducing greenhouse gas emissions, strengthening the economy and improving public health and the environment – particularly in disadvantaged communities.

Dates: May 21, 2018– Spring 2020
Grantee: San Joaquin Valley APCD
Partners: Green Commuter and CalSTART

Grant Amount:
 CARB Contribution: \$749,800.00
 Matching Funds: \$1,160,300.00
 Project Total: \$1,910,100.00



Vehicles/Equipment Funded

- This project will fund 12 EVs (six Tesla Model X's and six Chevrolet Bolts) and at least 31 EVSEs (five DCFC/Level III chargers and Level II chargers for the remaining).
- To date, the project has funded the following EVSEs and EVs:
 - ✓ Eight Level II chargers
 - ✓ Two DCFC/Level III chargers
 - ✓ Five Chevrolet Bolts and Three Tesla Model X's

Lessons Learned

- Community meetings have proven to be a great resource for learning and understanding the participant's mobility needs.
- Introduction of the ZEV project to college campuses serve as a crucial indicator in evaluating the impact of car sharing.
- The main challenges in securing a site host are obtaining a building permit from the County in the allotted timeframe and selecting a location that can provide both public access and a capable power system.
- Due to the longer timeframes to contract and implement the project, the e-bikes with solar panel docking stations, which were originally planned, are no longer feasible given the company's focus on more advanced technologies in upcoming models and other companies not able to meet deployment dates.

Project Highlights

- The drivers have shared firsthand experiences of how vital these services are to the community through volunteering their time to transport those who are unable to drive themselves to destinations that they generally would have limited access to, such as medical facilities, stores, community events, etc.
- An advanced clean car sharing fleet has been introduced in Cantua Creek, immediately, the impact of the program in the community has been positive.
- Green Commuter has cultivated active customer service with ZEV project drivers and car share members, such as providing staff support to help enlist and check in on participants, as well as assist with any communication and translation.
- Green Commuter holds regular community events and door-to-door outreach efforts to help promote the EV vanpooling and car-sharing services, along with making applications and devices available for ridesharing and remote access.
- Participants in Cantua Creek have voiced appreciation for the EV rideshare service and hope to see long-term sustainability.

