

NorCal Clean Cities & Communities

March 10 SACeMo (Sacramento Area Collaborative for Education and Mobility) Meeting Summary

The **Sacramento Area Collaborative for Education and Mobility (SACeMo)**, a working group of the **NorCal Clean Cities & Communities Coalition**, convened a stakeholder meeting highlighting regional initiatives and technologies advancing zero-emission transportation, mobility access in traditionally underserved communities, and innovative off-grid EV charging infrastructure technologies.

Presentations focused on consumer vehicle incentive programs, community-based mobility solutions, and innovative charging technologies designed to accelerate electric vehicle adoption while addressing infrastructure challenges. The meeting presentations are available [Here](#).

Off-Grid Solar EV Charging – Solaflect’s “Apollo” System

Presenter: Rob Adams, COO, Solaflect Energy

Rob Adams, COO of Solaflect Energy, presented the company’s **Apollo solar-powered EV charging system**, an off-grid charging solution designed to complement traditional grid-connected charging infrastructure.

The presentation outlined several challenges commonly associated with deploying grid-tied EV charging stations, including construction disruption, utility interconnection requirements, lengthy permitting timelines, and increasing electricity demand charges.

The **Apollo system** addresses these barriers through an off-grid solar charging approach that includes:

- Solar-powered EV charging independent of the electric grid
- Rapid installation (approximately one day) with minimal site disruption
- Four Level-2 charging ports per unit
- Approximately 64,000 miles of EV charging capacity annually and an estimated 25-year system life
- 110v Power for bicycle charging and emergency power

The system is designed to function as a complement to grid-connected chargers, helping reduce congestion at existing charging stations while expanding charging capacity without adding load to the local electrical grid.

There is an Apollo system installed and operating in West Sacramento. Mr. Adams has invited anyone interested in seeing the Apollo system in operation to make an appointment with him between March 16 and March 26 (radams@solaflect.com) or with John Felts on March 30 and beyond (johnfelts@soventity.com).

Clean Cars 4 All Program Update

Presenter: David Castillo, Sacramento Metropolitan Air Quality Management District

The Sacramento Metropolitan Air Quality Management District provided an update on the **Clean Cars 4 All (CC4A)** program, a consumer incentive initiative designed to help income-qualified residents replace older internal combustion vehicles with zero-emission or near-zero-emission vehicles.

Key highlights included:

- The program has awarded over 2,000 grants since launching in 2019, helping Sacramento County residents transition to cleaner transportation.
- Approximately 1,600 vehicles have been purchased through the program, with additional incentives available for home charging equipment or public charging credits.
- More than 1,500 older gasoline vehicles have been retired, contributing to regional emissions reductions and improved air quality.

- Participant surveys indicate that households benefit from lower fuel and maintenance costs and improved employment opportunities after transitioning to cleaner vehicles.

Program outreach continues to focus on increasing participation in communities with historically lower program awareness. Partnerships with local organizations, dealerships, SMUD, and EV charging providers support consumer education and program access.

Green Tech Net-Zero Mobility Hub

Presenter: Kamiron Belton, Green Tech Education & Employment

Kamiron Belton presented the Green Tech Net-Zero Mobility Hub, located in the Del Paso Heights neighborhood of Sacramento. The project represents a community-centered model for expanding access to clean mobility in traditionally underserved communities while supporting workforce development.

The Mobility Hub provides a centralized location where residents can access:

- Zero-emission transportation services
- Workforce training related to EV charging infrastructure and clean transportation technologies
- Community education and outreach programs

The project is designed to help residents reach employment, job training, healthcare, and other essential services using zero-emission transportation options.

Project outcomes reported include:

- More than 4,000 EV charging sessions delivering approximately 94.8 MWh of electricity
- Avoidance of roughly 72,490 kilograms of greenhouse gas emissions
- Workforce development initiatives including EV career introduction training for more than 40 students and the development of community EV Ambassadors.

The project reflects collaboration among several regional partners including SMUD, the Sacramento Metropolitan Air Quality Management District, Breathe California, Twin Rivers Unified School District, and NorCal Clean Cities.

Coalition Relevance and Key Takeaways

The SACeMo meeting highlighted several themes closely aligned with the missions of the State of California, the Sac Metro Air District and the U.S. Department of Energy Clean Cities & Communities program:

- Expanding access to clean transportation through targeted vehicle incentive programs in traditionally underserved communities.
- Advancing community-based mobility solutions that integrate transportation access and workforce development.
- Exploring innovative charging infrastructure technologies capable of accelerating EV deployment while reducing grid constraints and infrastructure costs.

These initiatives demonstrate how collaboration among air districts, utilities, community organizations, and private-sector technology providers can accelerate the transition to cleaner transportation systems while delivering economic and environmental benefits to local communities.