

# California Electric Vehicle Infrastructure Project

## Board of Directors Santa Barbara County Air Pollution Control District

Our Mission: To protect the people and the environment of Santa Barbara County from the effects of air pollution.

Aeron Arlin Genet  
Director / APCO

Alex Economou, Air Quality Specialist  
Alex Kaufman, CALeVIP Advisor  
January 16, 2020



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## Program Administrator

A mission-driven 501(c)(3) nonprofit organization  
Offering scalable clean energy program administration and technical advisory services for more than 20 years

A national footprint, headquartered in San Diego, CA  
Regional offices: Boston, Brooklyn, Stony Brook, Oakland, Sacramento and Los Angeles

185+ dedicated, mission-driven employees  
Managing ~50 projects and programs  
National programs | Statewide incentive projects | Region-specific solutions



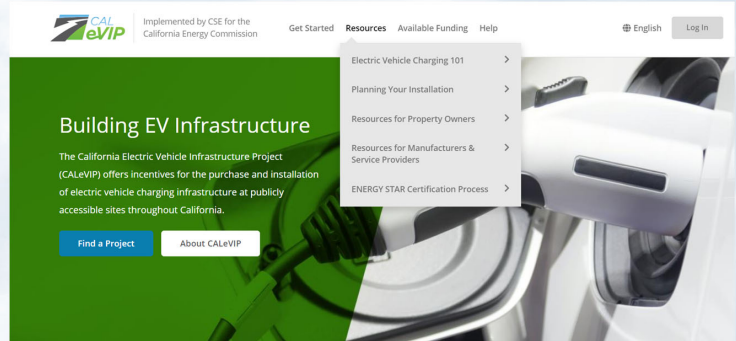
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# CALeVIP Overview

- EV charging station incentive program – rebates for Level 2 or DC fast chargers
- Funded by CEC's Clean Transportation Program with co-funding from regional partners
- The Challenge: EV adoption is outpacing infrastructure
- Competitive regional selection

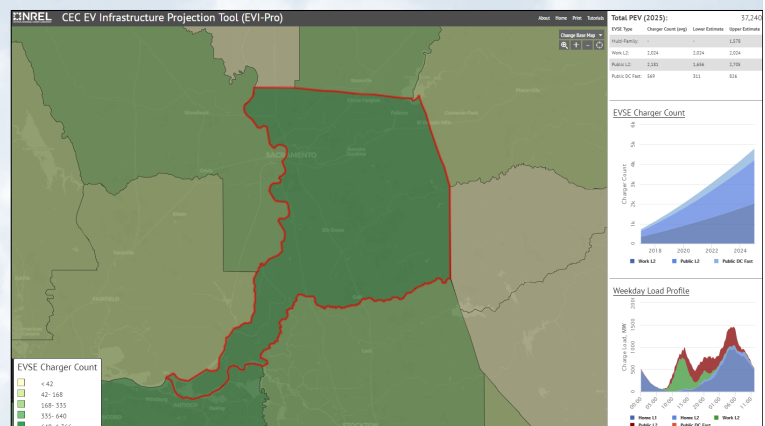


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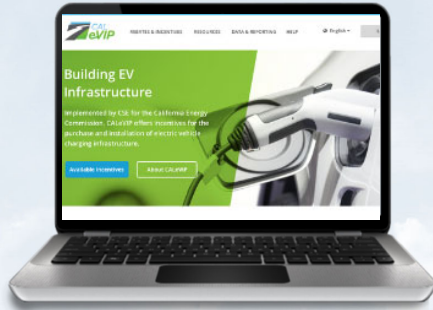
# EVI-Pro Tool – EV Infrastructure Gap Analysis

- Developed by NREL and the CEC to estimate quantity and type of EV infrastructure
- Data:
  - Vehicle travel patterns
  - EV attributes
  - Charging station characteristics



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# Active CALeVIP Projects



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Implemented by CEC for the California Energy Commission

Get Started Resources Available Funding Help English Log In

### San Joaquin Valley Incentive Project

Apply to receive a rebate for your next Level 2 or DC fast charger project!

- LEVEL 2 CHARGERS & DC FAST CHARGERS (DCFC)
- FRESNO, KERN, AND SAN JOAQUIN COUNTIES
- LEVEL 2 UP TO \$5,000 PER CONNECTOR, DC FAST CHARGER UP TO \$80,000 PER CHARGER

Learn more

### Central Coast Incentive Project

Presented in partnership with Monterey Bay Community Power (MBCP)

- LEVEL 2 CHARGERS & DC FAST CHARGERS (DCFC)
- MONTEREY, SAN BENITO, AND SANTA CRUZ COUNTIES
- LEVEL 2 UP TO \$6,500 PER CONNECTOR, DC FAST CHARGER UP TO \$80,000 PER CHARGER

Learn more

### Northern California Incentive Project

Apply to receive a rebate for your next Level 2 or DC fast charger project!

- LEVEL 2 CHARGERS & DC FAST CHARGERS (DCFC)
- HUMBOLDT, SHASTA, AND TEHAMA COUNTIES
- LEVEL 2 UP TO \$7,500 PER CONNECTOR, DC FAST CHARGER UP TO \$80,000 PER CHARGER

Learn more

### Sacramento County Incentive Project

Presented in partnership with Sacramento Municipal Utility District (SMUD)

- LEVEL 2 CHARGERS & DC FAST CHARGERS (DCFC)
- SACRAMENTO COUNTY
- LEVEL 2 UP TO \$6,500 PER CONNECTOR, DC FAST CHARGER UP TO \$80,000 PER CHARGER

Learn more

### Southern California Incentive Project (SCIP)

Apply to receive a rebate for your next DC fast charger purchase and installation project!

- DC FAST CHARGERS (DCFC)
- LOS ANGELES, ORANGE, RIVERSIDE, AND SAN BERNARDINO COUNTIES
- UP TO \$80,000

Learn more

### Fresno County Incentive Project (FCIP)

Apply to receive a rebate for your next Level 2 or DC fast charger purchase and installation project!

- LEVEL 2 CHARGERS
- FRESNO COUNTY
- UP TO \$7,000

Learn more

## CEC's 2021 CALeVIP Priority Regions

- South Central Coast partners competing with other regions statewide for CEC funding
- Partner co-funding increases likelihood of securing 2021 CEC funds

Project	County	EVI-Pro Level 2 Low Gap	EVI-Pro DCFC Low Gap
A	Los Angeles Orange Riverside San Bernardino	20,173 8,534 3,204 2,754	N/A
B	Alameda	5,432	450
C	Contra Costa	2,876	243
D	San Francisco	2,060	556
E	Marin	1,235	264
F	San Luis Obispo Santa Barbara Ventura	272 752 1,291	37 124 48*
G	Solano Yolo	727 727	1 149
H	El Dorado Placer	302 935	22 44



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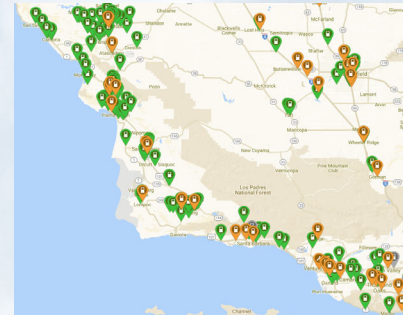
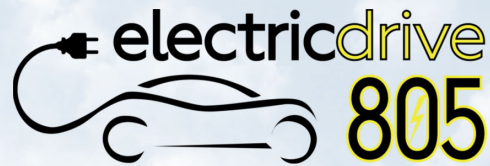


## Partnership – South Central Coast

- Electric Drive 805 Coalition – regional partners in SB, SLO and Ventura Counties
- California ZEV Mandates:
  - 1.5 Million ZEVs by 2025
  - 5 Million ZEVs by 2030
  - 250,000 chargers by 2025
- Partners provide co-funding, outreach and education
- AB 1236 EVCS streamlined permitting



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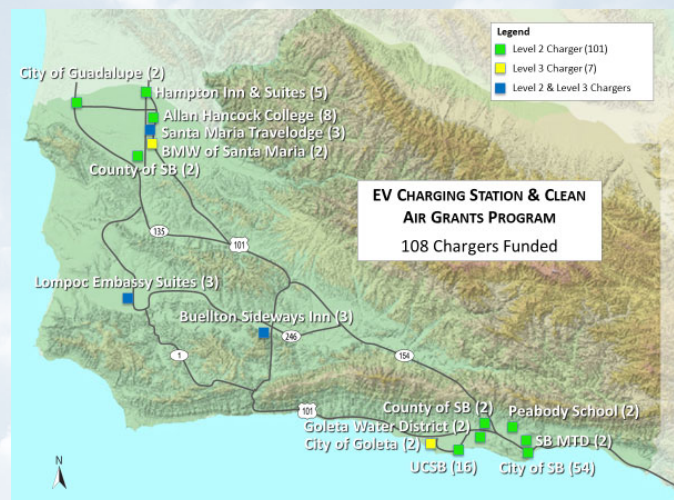


## SBCAPCD EVCS Grant Programs

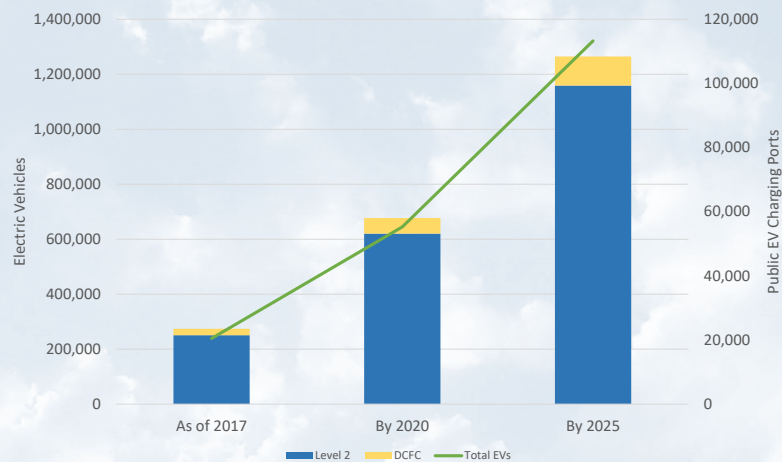
- The District has provided grant funding for EV charging stations since 2011
- Helped fund 108 charging ports at 21 locations
- SBC currently has 237 public charging ports at 100 locations



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# California EV Charging Station Demand



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## Potential CEC Co-Funding

- What will it take to support 1.5 Million ZEVs in California by 2025?

County	Level 2 Charger Gap	Fund 50% of Level 2 Low Gap	DCFC Gap	Fund 30% of DCFC Gap	Total Funding Gap Target
San Luis Obispo	272	\$ 707,200	37	\$ 610,500	\$ 1,317,700
Santa Barbara	752	\$ 1,955,200	124	\$ 2,046,000	\$ 4,001,200
Ventura	1291	\$ 3,356,600	48	\$ 792,000	\$ 4,148,600
Total	2,315	\$ 6,019,000	209	\$ 3,448,500	\$ 9,467,500



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## Next Steps

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- CALeVIP Application deadline: February 14, 2020
  - Non-binding Letter of Intent
  - Project Design Questionnaire
- Spring 2020: CSE and regional partners finalize project requirements; CEC selects 2021 project regions
- Summer 2020: If selected, the District expects to return to your Board to request funding approval and contract authorization
- Early 2021: Potential South Central Coast CALeVIP launch



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## Contact Information

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Alex Economou  
Air Quality Specialist  
(805) 961-8894  
[EconomouA@sbcapcd.org](mailto:EconomouA@sbcapcd.org)

Alex Kaufman  
CALeVIP Advisor  
(858) 429-5135  
[Alex.Kaufman@energycenter.org](mailto:Alex.Kaufman@energycenter.org)



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