

Electric Vehicle Charging Infrastructure Grants

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

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Overview

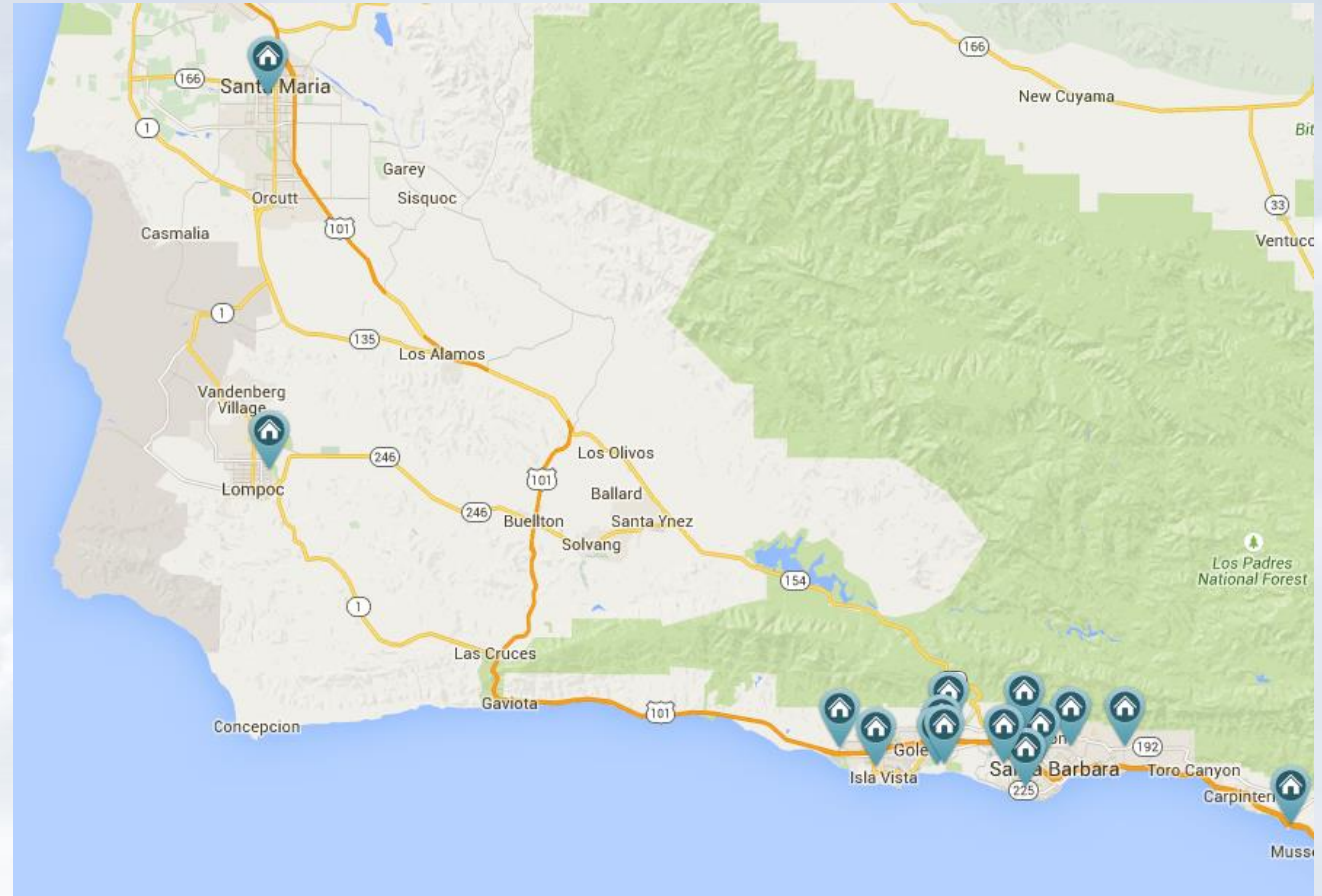
- California's Electric Vehicle (EV) efforts
- Status of EV Charging Infrastructure in SB County
- Existing District grant program
- Proposed changes and additional funding

Electric Vehicles in California

- Zero Emission Vehicle (ZEV) Mandate and goals
- California Energy Commission grants for EV readiness planning and charging infrastructure
- California Vehicle Rebate Program
 - Additional funding to disadvantaged communities
 - Federal tax rebates are also available
- Approximately 150,000 EVs on the road in California today

EV Infrastructure in Santa Barbara County

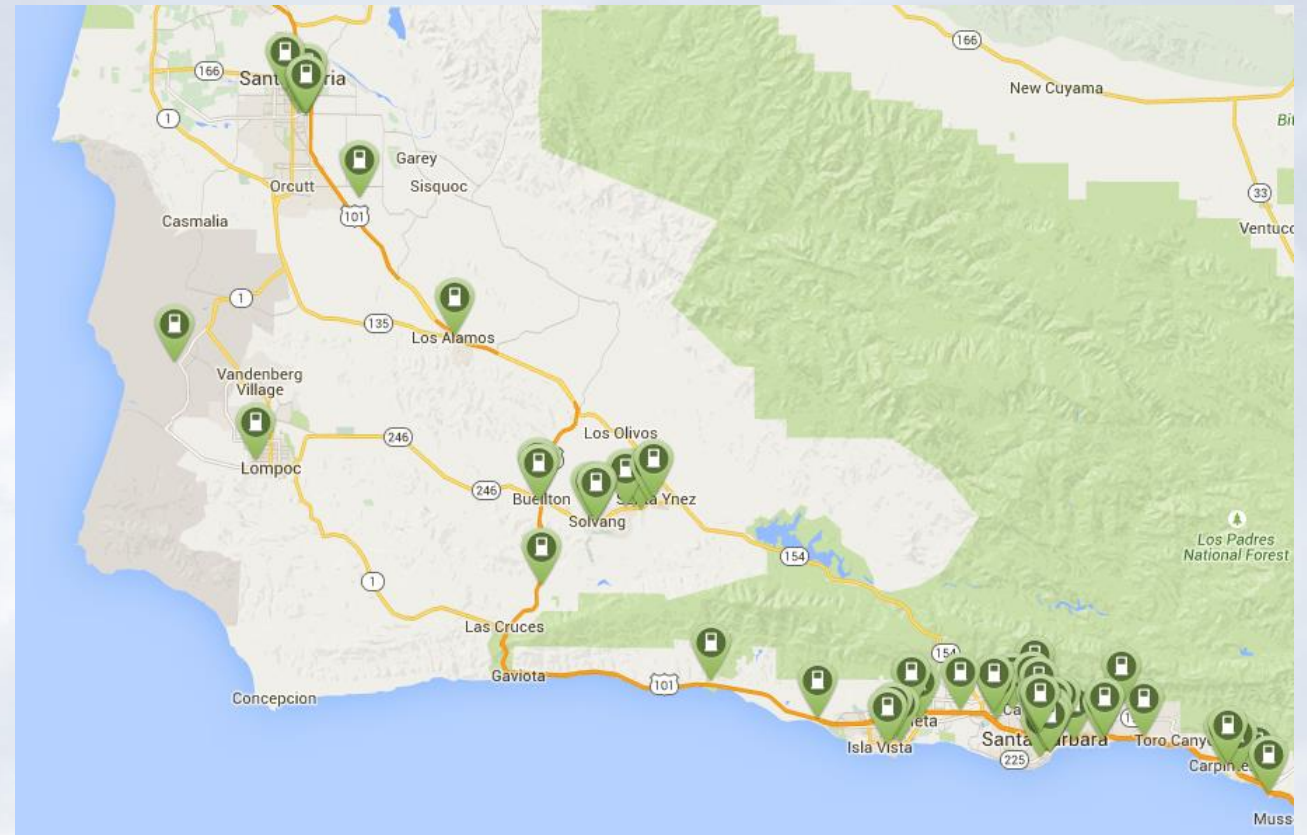
- **Level 1 – 120 V AC**
 - readily available at homes and offices
 - trickle charge; many hours for a full charge



Source: plugshare.com

EV Infrastructure in Santa Barbara County

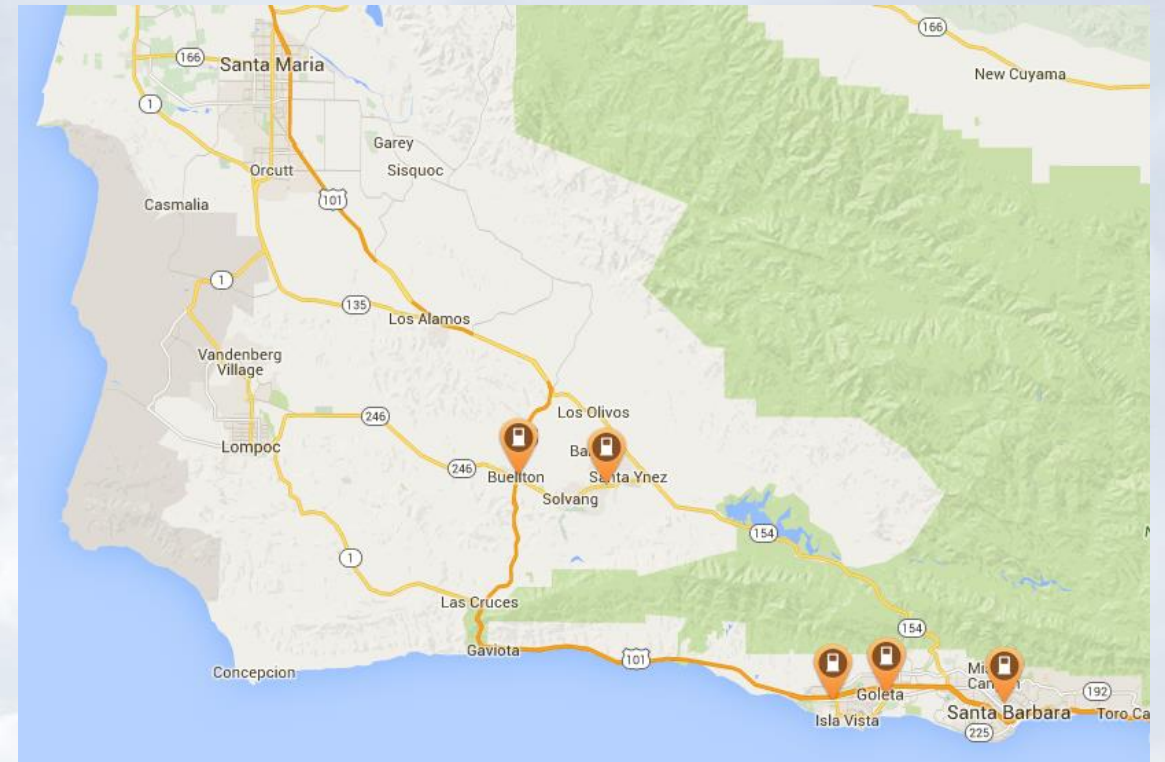
- **Level 2 – 240 V AC**
 - Full charge can take 6 to 8 hours
 - Available at workplaces, government buildings, residences
 - More being installed under Energy Commission grant



Source: [plugshare.com](https://www.plugshare.com)

EV Infrastructure in Santa Barbara County

- **Level 3 - DC “fast charge”**
 - Close to full charge in 20 to 30 minutes
 - Two different charging “standards” used by vehicle manufacturers
 - One way to address vehicle range concerns



Source: [plugshare.com](https://www.plugshare.com)

Tri-Counties Electric Vehicle Data

County	EV	PHEV	Total
San Luis Obispo	454	228	682
Santa Barbara	667	390	1057
Ventura	1387	1561	2948
Grand Total	2508	2179	4687

PHEV = Plugin hybrid electric vehicle
Source: Polk Automotive data, 2014

Current District Grant Program

- Approved by your board in 2011
- Initial spending authority of \$100,000 (95% spent)
- Level 2 and Level 3 charging
- Max of \$10,000 per charging station
- Equipment and/or installation costs
- Grants to several public entities, more are interested



Proposed Changes to District Program

- Increase the spending authority from \$100,000 to \$300,000 (\$200,000 increase, pending budget approval)
- Increase the funding amount for Level 3 DC fast charging
- Make funding available to private entities as long as stations are publicly accessible
- Two standard grant agreements:
 - Private entities
 - Public entities

Targeted Outreach

- Expand network in northern SB County
- Continue to pursue grants with groups that have expressed interest
- Private entities can play a role
 - Hospitals
 - Shopping centers
 - Employment centers

Questions?

