



EVSE Installation

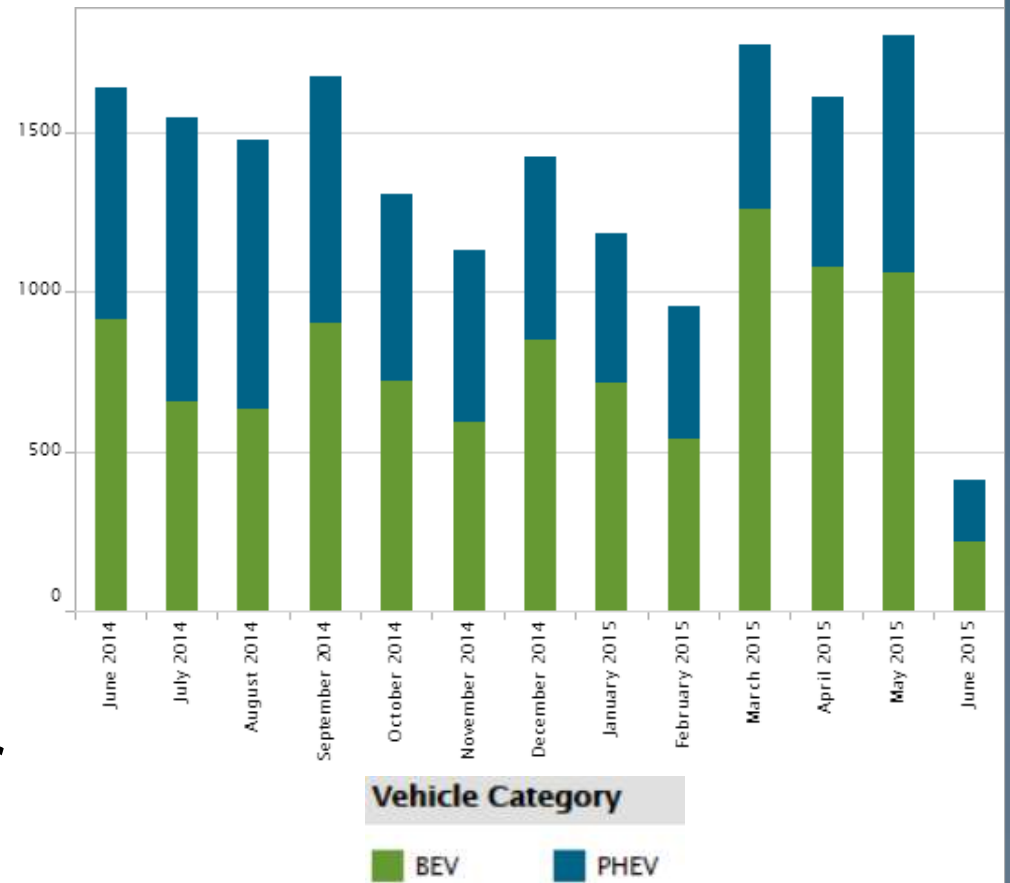
September 3, 2015

Clean Fuels Program
Advisory Committee Meeting

Patricia Kwon
Technology Advancement Office

Residential Charging

- Governor's ZEV Action Plan—1.5 million ZEVs by 2025
- CVRP issued 45,000+ rebates for SCAQMD residents since 2010
- Limited incentives for residential vs. public charging



CVRP Rebates – Last 12 months
South Coast Air Basin

Other Incentives

Agency	\$/Vehicle	Infrastructure
BAAQMD	N/A	75% hardware, installation for MUDs, workplaces, destinations
SJVAPCD	\$3,000	\$5,000/charger for businesses, public agencies
AVAQMD	\$1,000	75% hardware, installation for public charging
EFMP Plus-Up (Replace Your Ride)	\$9,500 (used)	\$2,000/charger for BEVs - Residences
LADWP	N/A	\$750 or \$1,000/charger (second meter) for residences

SCAQMD Residential Charging Proposal

- Establish residential incentive pilot program – up to \$500,000
- Residents eligible for up to \$500 towards hardware
 - Low-Income – \$250 extra incentive
- Three year commitment
- Application will verify eligibility



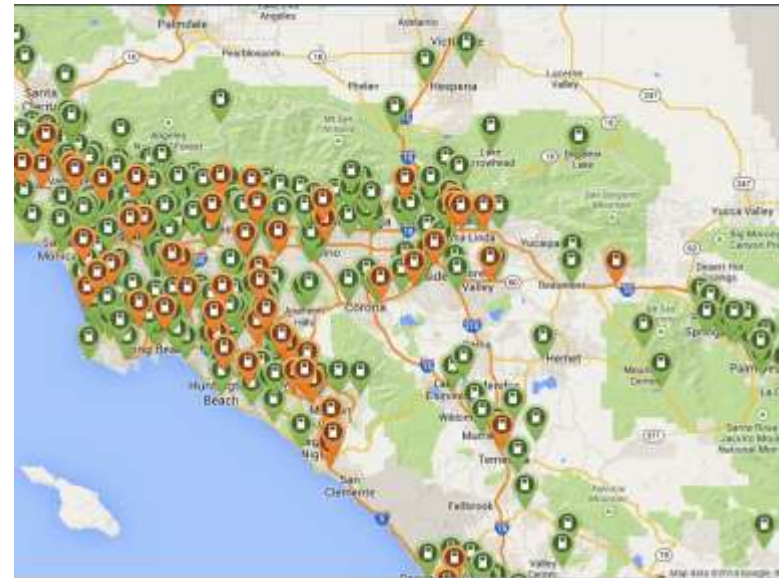
Residential Charger Costs

Company	Model	Price	Warranty
Clipper Creek	LCS-25, 20A, 4.8 kW, 25' cord	\$469	3 years
Blink	HQ 30A Home, 7.2 kW, 18' cord	\$499	1 year
Siemens	Siemens VersiCharge Gen 2, 30A, 7.2 kW, 20' cord	\$549	3 years
Leviton	Leviton EVB32-M8L Ever Green 320, 32A, 7.7 kW, 18' cord	\$575	3 years
Bosch	Power Max 30A, 7.2 kW, 18' cord	\$593	3 years
GE	GE Watt-Station, 30A, 7.2 kW, 20' cord	\$599	3 years
AeroVironment	30A, 7.2 kW, 25' cord	\$799	3 years
Eaton	30A, 7.2 kW, 24' cord	\$799	1 year

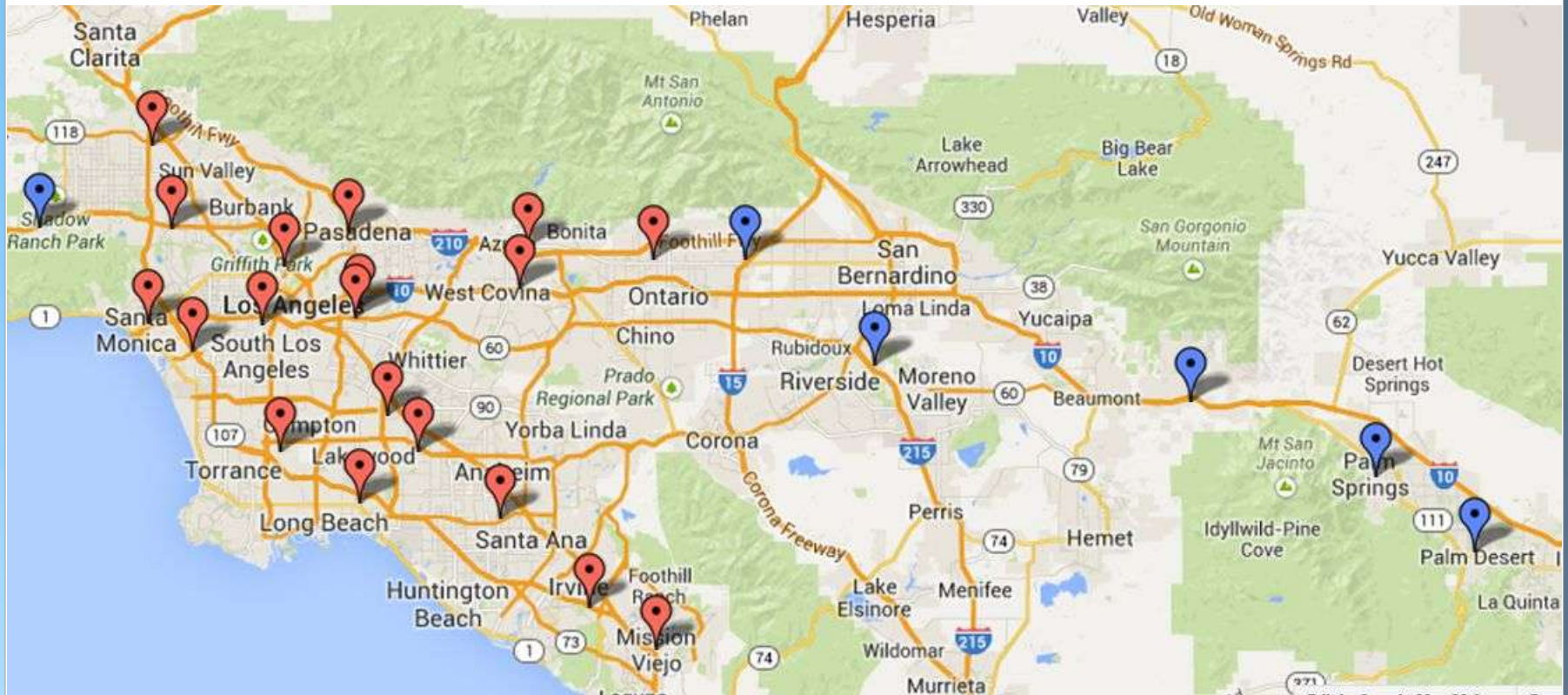


Other Charging Initiatives

- Funding agency for EVSE deployment
 - SoCalEV Ready—315 Level 2 sites
 - DCFC network—26 sites
- PEV readiness
- Compliance with Rule 2202
- AQMD HQ EVSE project

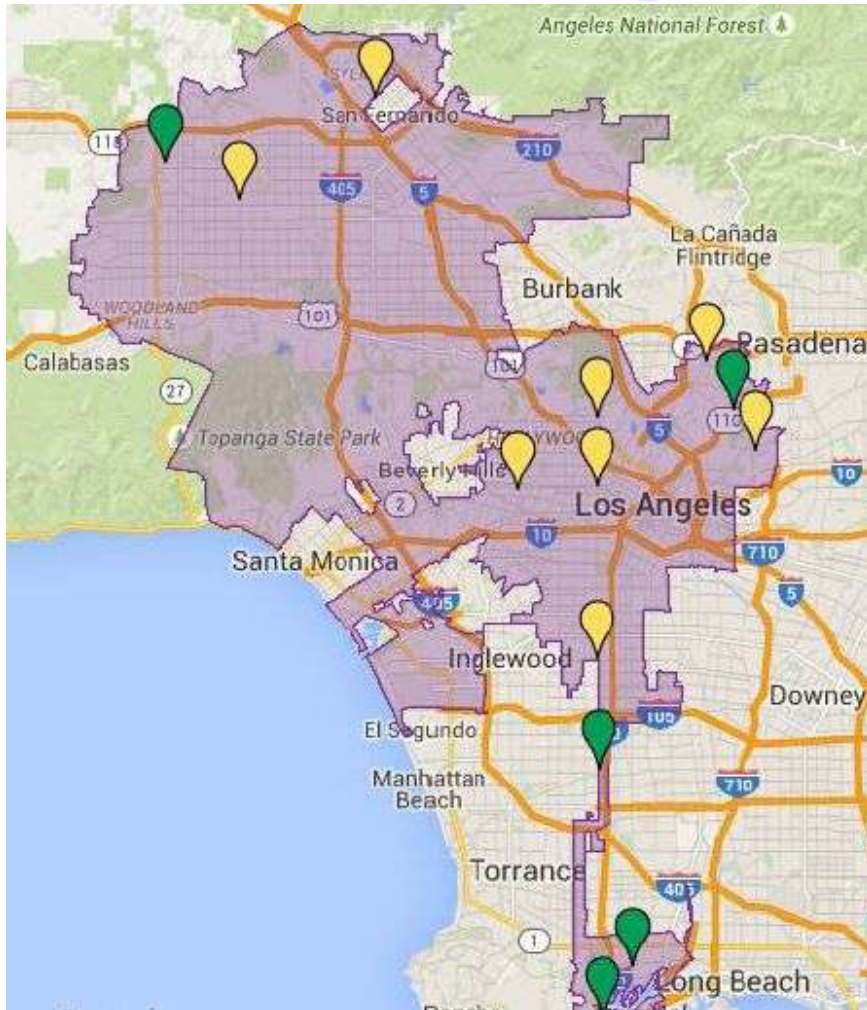


SCAB DCFC Network



26 proposed sites at grocery stores or similar destinations adjacent to major freeway corridors

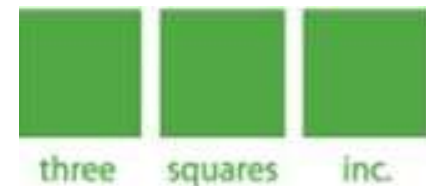
Anticipated Network



- LADWP Partnership
 - access to City owned sites
- Aligns with Mayor Garcetti's plan for 1,000 EV charging station installations in City of LA (100 on City property)
- Includes LADOT, Metrolink, airports

Background

- SCAQMD partnering with Clean Fuel Connection, NRG/eVgo, Nissan, Three Squares
- New MOA with LADWP
- \$1.22M in CEC grants for 26 DCFC in South Coast Air Basin



Project

- First DCFC installations starting in Fall 2015
- Part of eVgo network in S. California
- eVgo will operate network for 5 years
- BTC DCFC with CHAdeMO and SAE Combo connectors



Next Steps

- Initial network deployments will be focused in City of Los Angeles and Inland Empire
- Remaining sites will be installed in LA and OR counties near major freeway corridors such as I5
- Provide connectivity with rural areas as part of future interurban DCFC corridor

