



EVSE Update

Clean Fuels Advisory Group

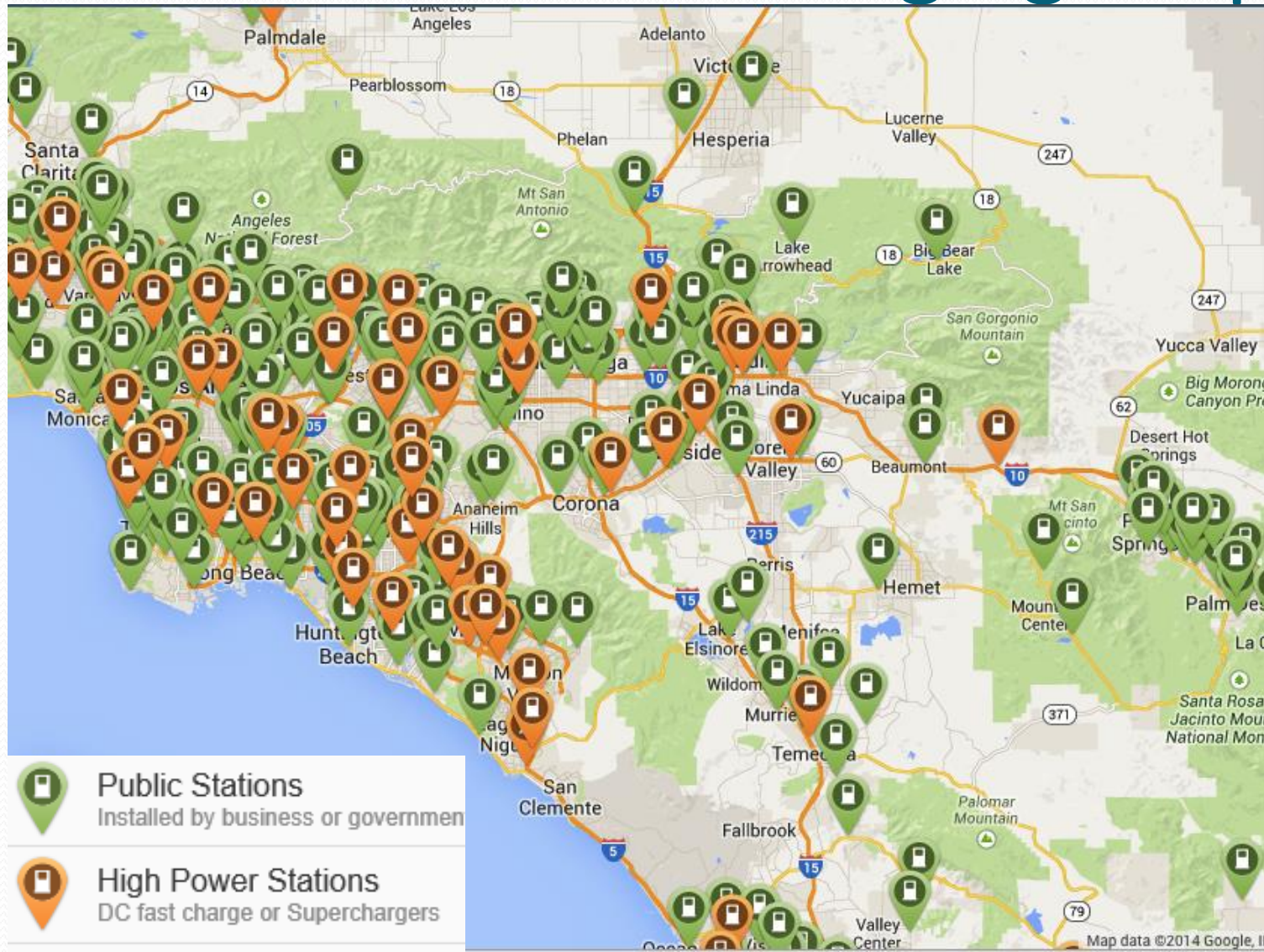
September 1, 2016



Patricia Kwon

Technology Advancement Office

Level 2 and DC Fast Charging Map



EVSE Deployment Efforts

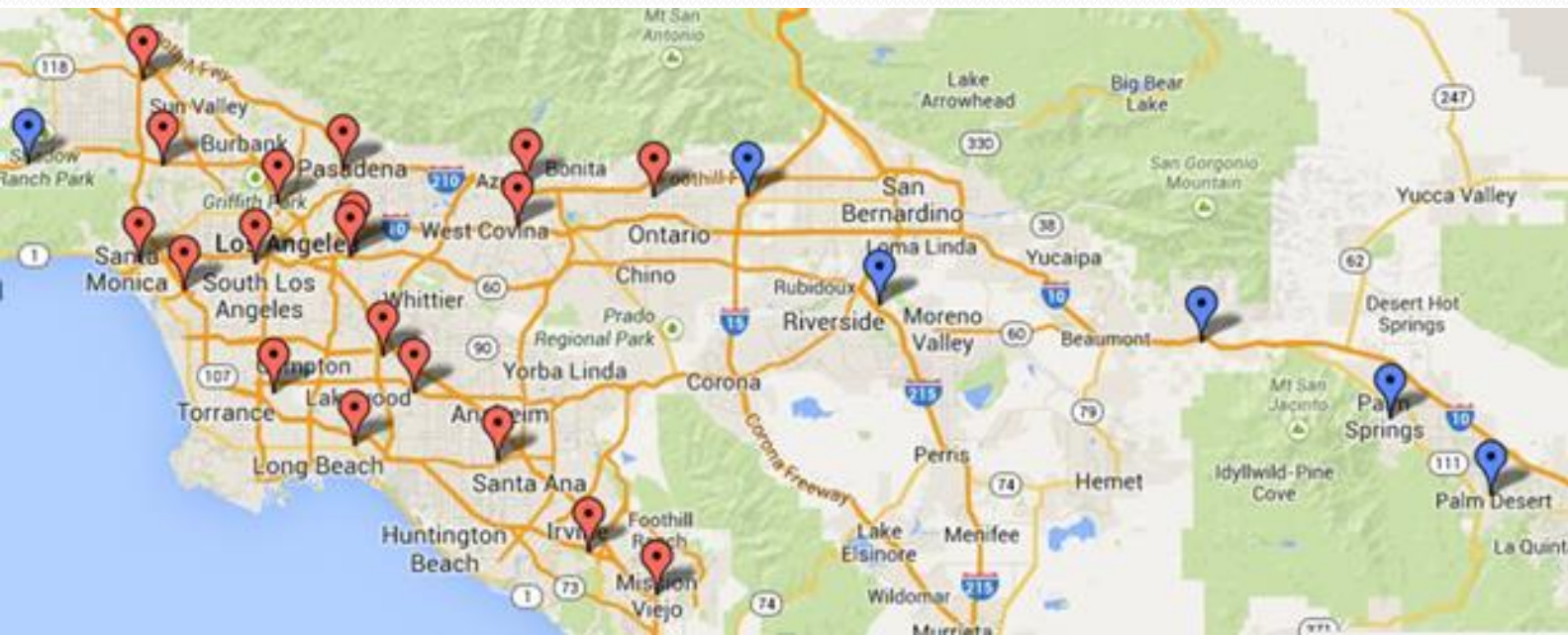
- DC Fast Charging – 28 site network
CEC \$1.22M
- Residential EV Charger Rebate Program
\$500k SCAQMD, \$500k MSRC
- SCAQMD Workplace Charging – 110
Level 2 chargers
- SoCalEV – 321 Level 2 for workplace
and destination charging
CEC \$840k



DCFC Network



- 28 DCFC sites in South Coast Air Basin
- eVgo network provider, Clean Fuel Connection installer, Three Squares education outreach, UCLA Luskin Center site selection modeling



**First
Grant**



**Second
Grant**

DCFC Network

- First sites for installation: Calabasas, Palm Desert, Palm Springs
- MOA with LADWP, LADOT for up to 12 sites in the City of Los Angeles
- Additional sites in Inland Empire, San Gabriel Valley, beach and inland corridor cities
- Outreach website www.socalfast.com

Your guide to Southern California's electric vehicle fast charge network.

DISCOVER

Residential EV Charger Rebate

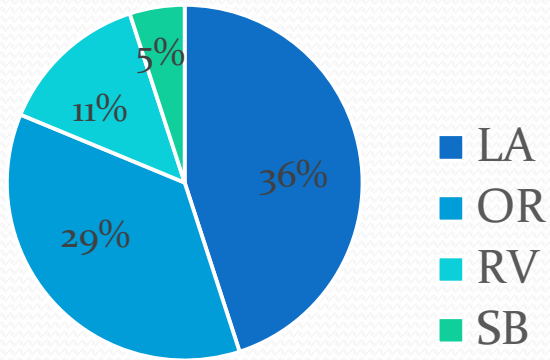


- \$250 or \$500 (low income) rebate towards hardware
- Three year commitment
- Residential chargers cost \$400 - \$800
- Many models available
- Can utilize existing 240V outlet

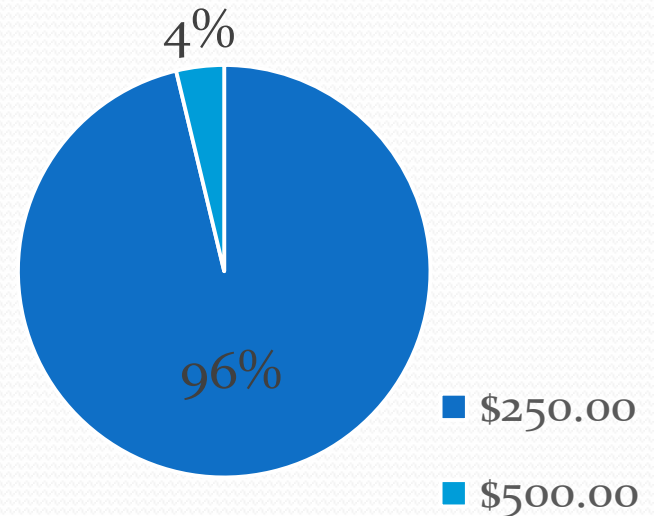


EV Charger Rebate Statistics

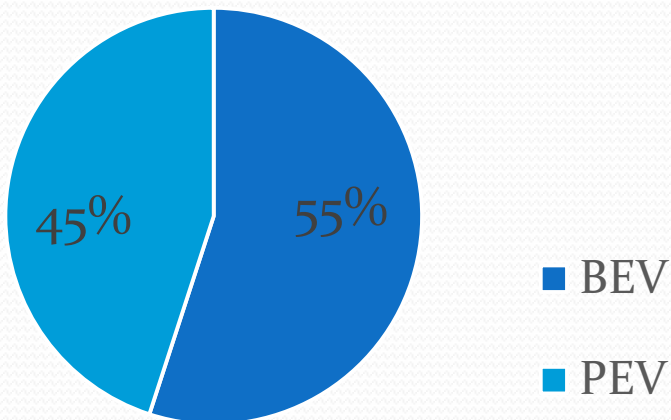
Rebates by County



Rebates by Income

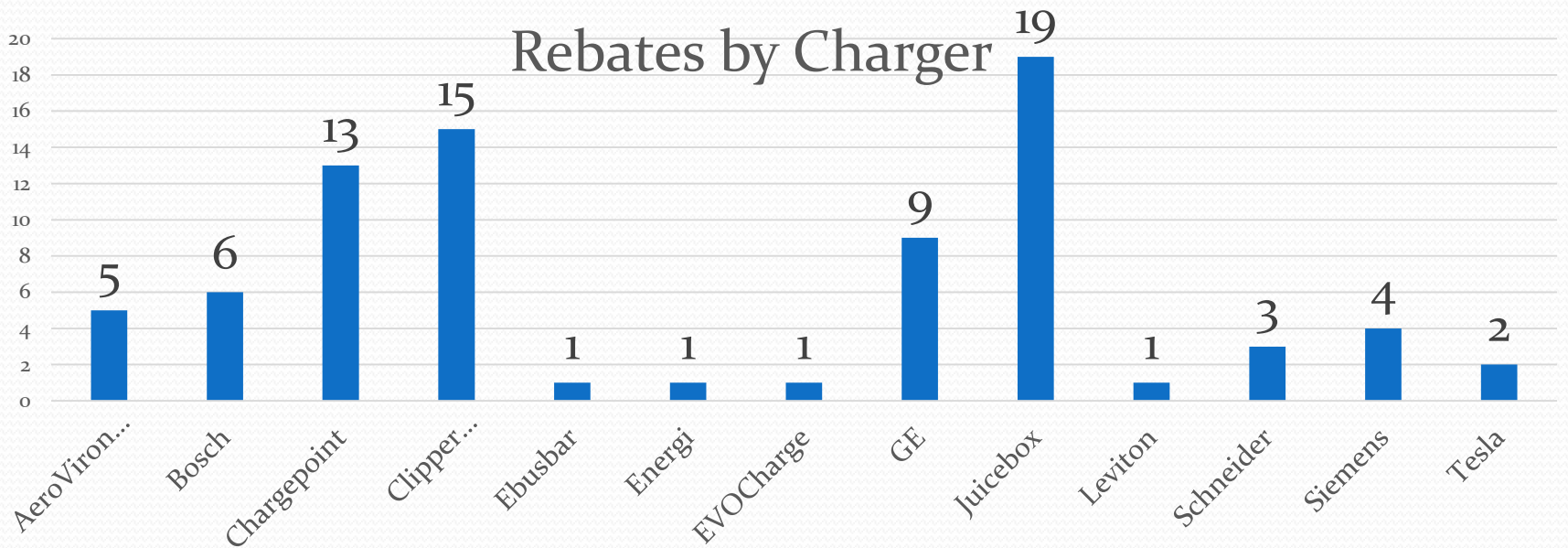
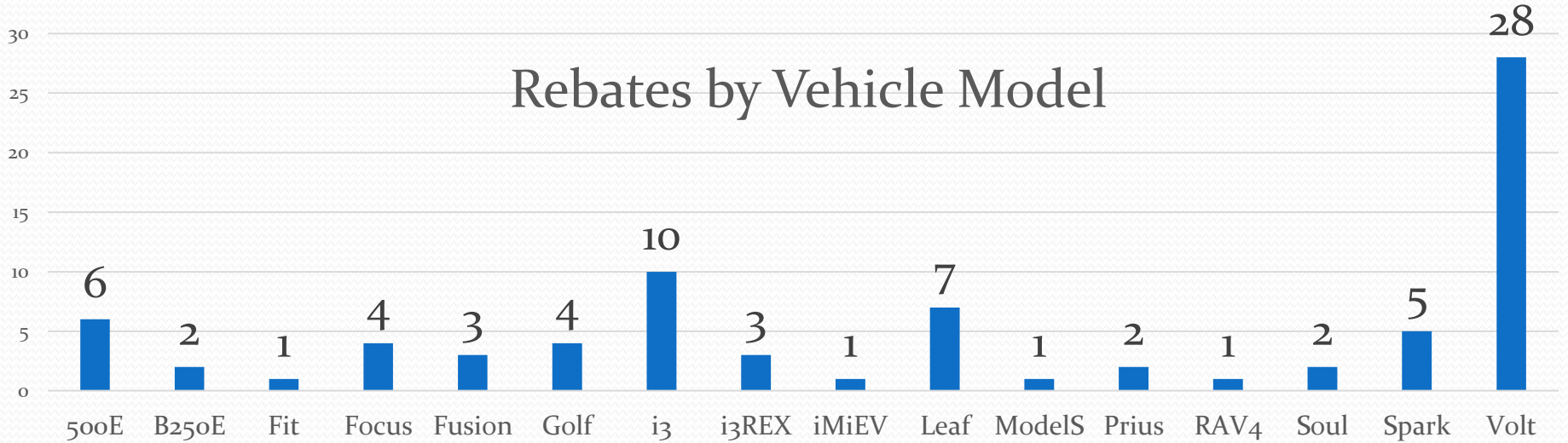


Rebates by Vehicle Type



**80 EV Rebates
Processed 7/12/16**

Rebate Statistics



Golden Springs Dr

Solar Carport

CC8 Parking Lot

Upper Parking D

Front Lobby/
Guest Parking Area

Copley Dr

Copley Dr



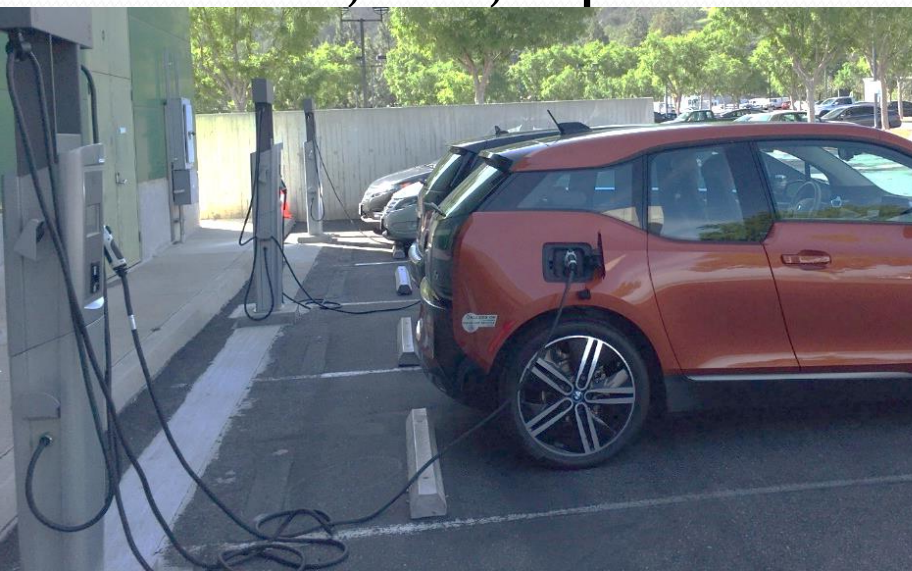
SCAQMD Workplace Charging

- Chargers at SCAQMD insufficient to meet demand
- Hardware and installation contractors selected by RFP
- Install in four separate areas:
 - CC8 – 17 chargers (1 ADA)
 - Front Lobby – 12 chargers (4-6 ADA)
 - Solar Carport – 19 chargers
 - Upper Deck – 62 chargers
- BTC wall & pedestal chargers with Greenlots software
- Installation to be completed by end of 2016



Software Capabilities

- Payment by phone app, RFID, credit card
- Text notification to drivers when charging initiated, stopped, or chargers become available
- Text notification to staff/network provider when chargers offline
- OCPP, SEP, OpenADR compliant



Demand Response Capabilities

- DR integration between hardware and software
- Independent network for charger data to transmit to Greenlots server
- Can ramp down chargers based on DR events/signals



SoCalEV Ready Program

- 321 Level 2 chargers installed April 2016
- All four counties: LA Zoo, Lake Elsinore Diamond Stadium, Getty Center/Villa, CA State Parks, Disneyland
- Best practices siting, deployment

