

DOCKETED

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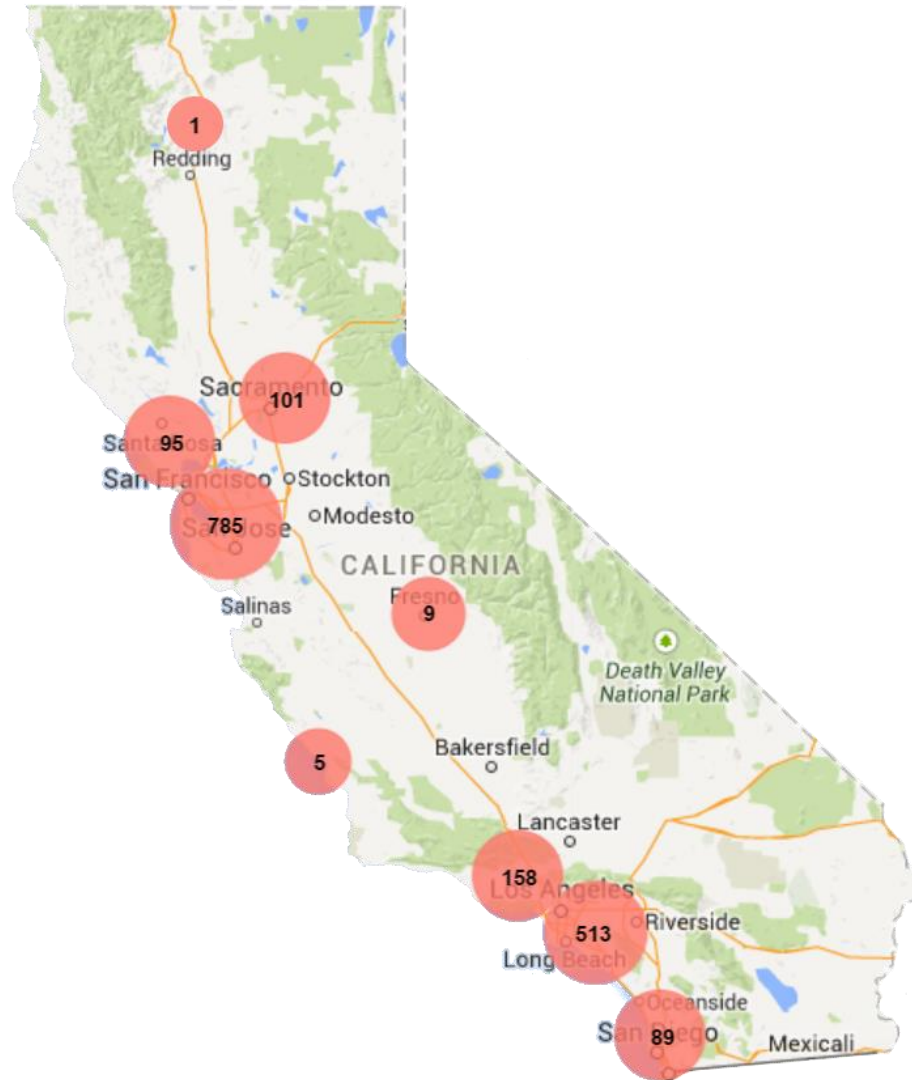
Cal Electric: Residential EVSE Deployment Program PON-11-602

Presented by:
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Stats at a Glance

- \$3.7M program funding
- 1,758 Residential EVSE installed
- 290 OEM Dealers Participated
- 28 Local California Electrical Subcontractors
- 817,200 Gallons of Gasoline Annual Displacement
- 4,967 Metric Tons Carbon Annual Reduction
- Was the program a significant factor in drivers' decision to buy an EV? – Survey says: Yes
- Program Goals:
 - *Accelerate the commercialization of alternative vehicles and alternative/renewable fuels*
 - *Reduce the use of petroleum fuels and greenhouse gas (GHG) emissions to help the state achieve its public policy goals*
 - *Provide competition in the transportation fuels market improve economic vitality in California*

Distribution of Residential EVSE Installations



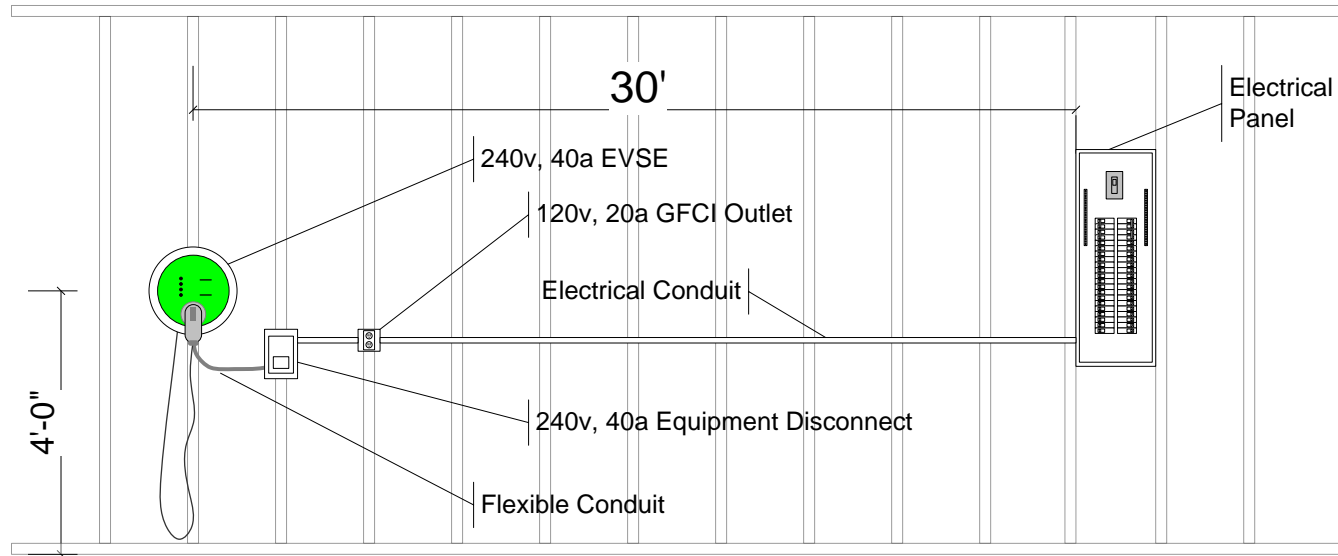
Proposed Deployment of Residential EVSE



The Process

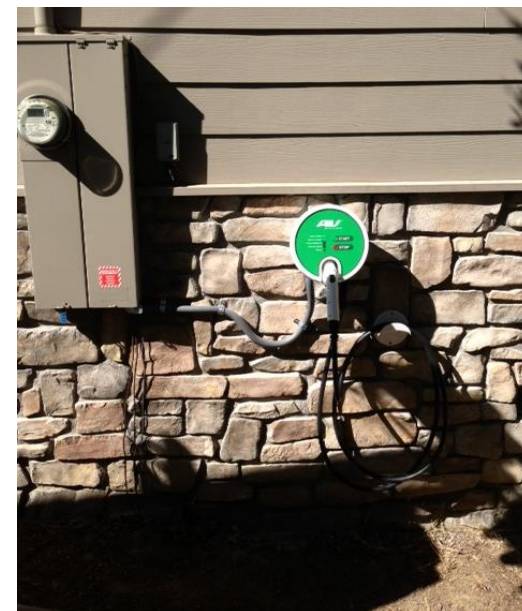
- Auto Dealership Signup, EV Driver Identification & Qualification
 - 290 Dealerships participated statewide
 - EV buyers had to sign up for the EVSE program on the day they bought their EV at the dealership and be California residents
 - Monthly allocation had to be open
- Monthly EVSE Allocation
 - Opened the first Tuesday of each month
 - Started with 30 EVSE the first month, 300 EVSE the highest month
 - Sold out of EVSE allocation typically within a week to ten days
- The Process
 - Dealership signed up the driver, assisted them to access the AV portal
 - AV verified eligibility and scheduled the installation, typically within 1-2 weeks
 - Local inspector sign-off, resident sign-off

The Standard Installation

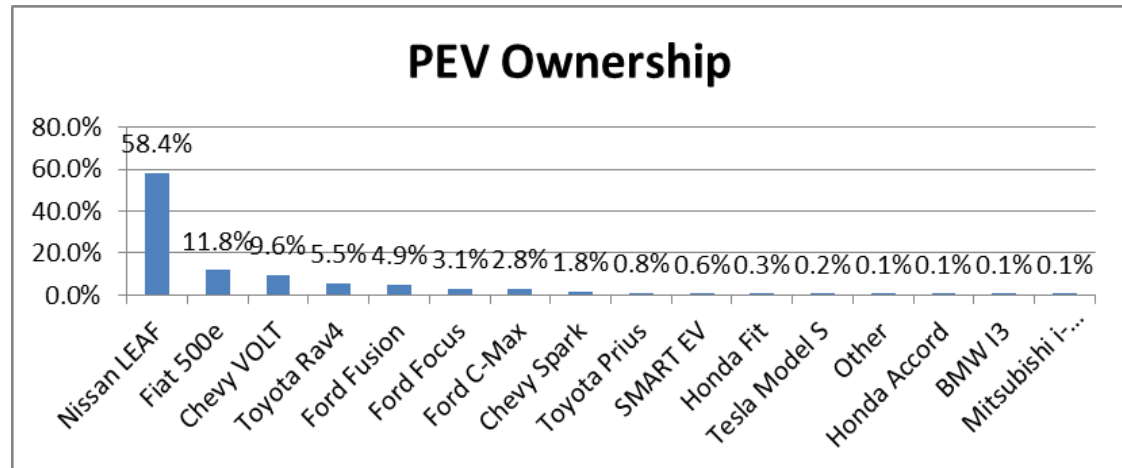
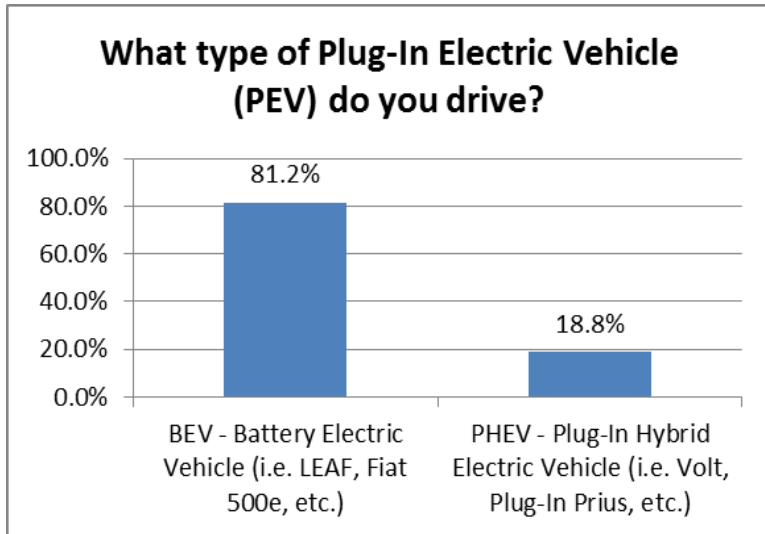


- CEC funding covered the cost for a Standard Installation
- Permit fees paid by resident
- Additional scope paid by resident directly to contractor

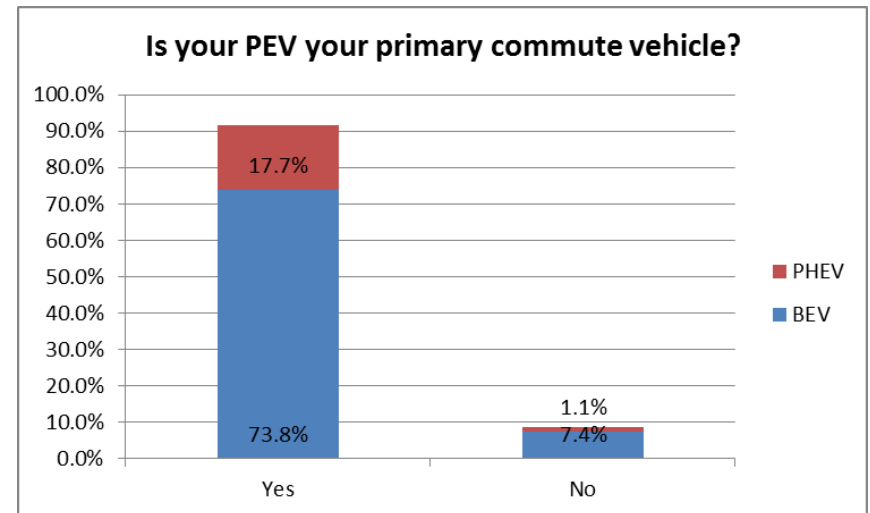
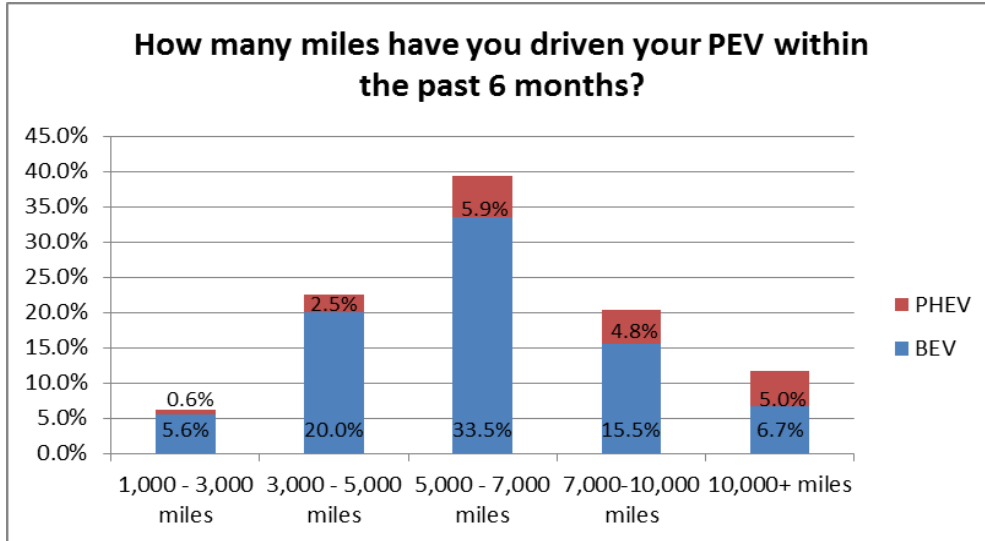
Pictures



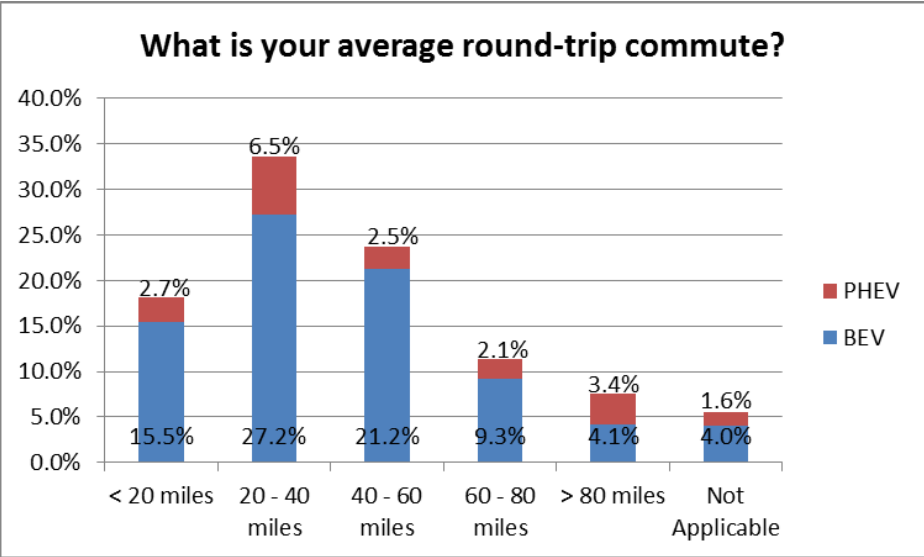
Survey Questions



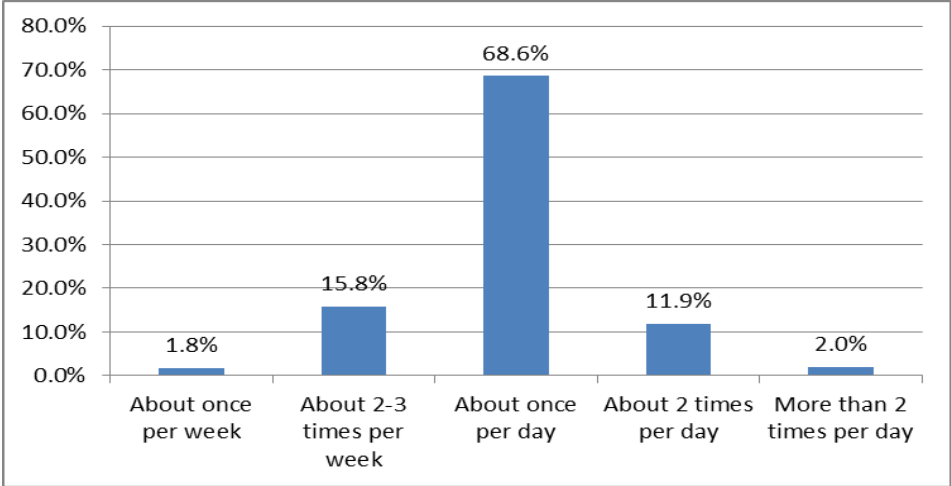
Survey Questions



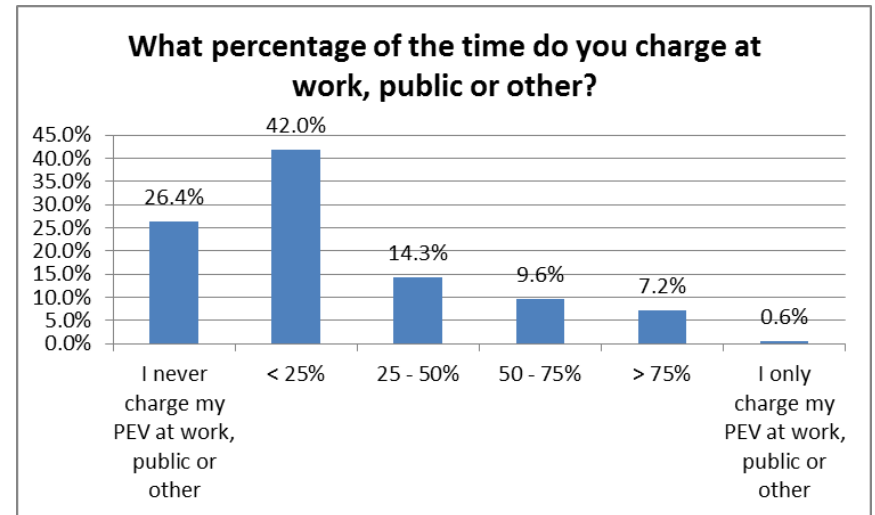
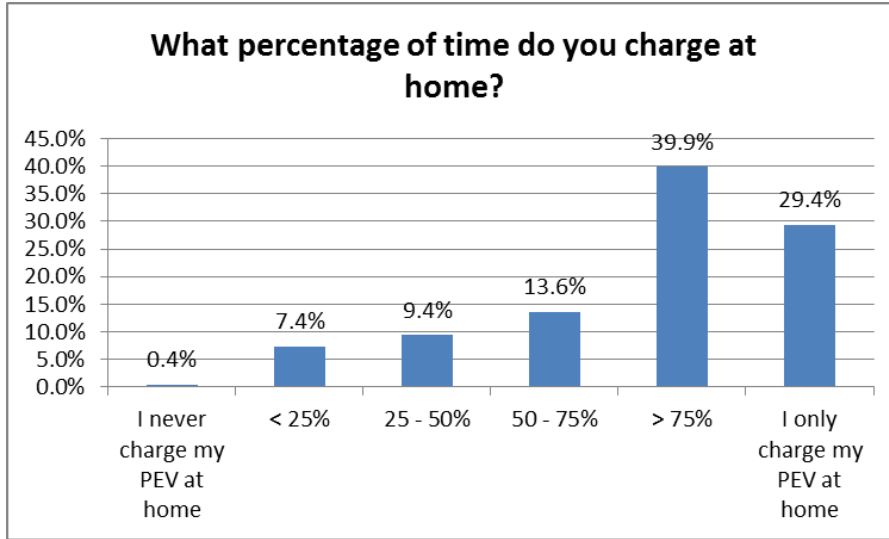
Survey Questions



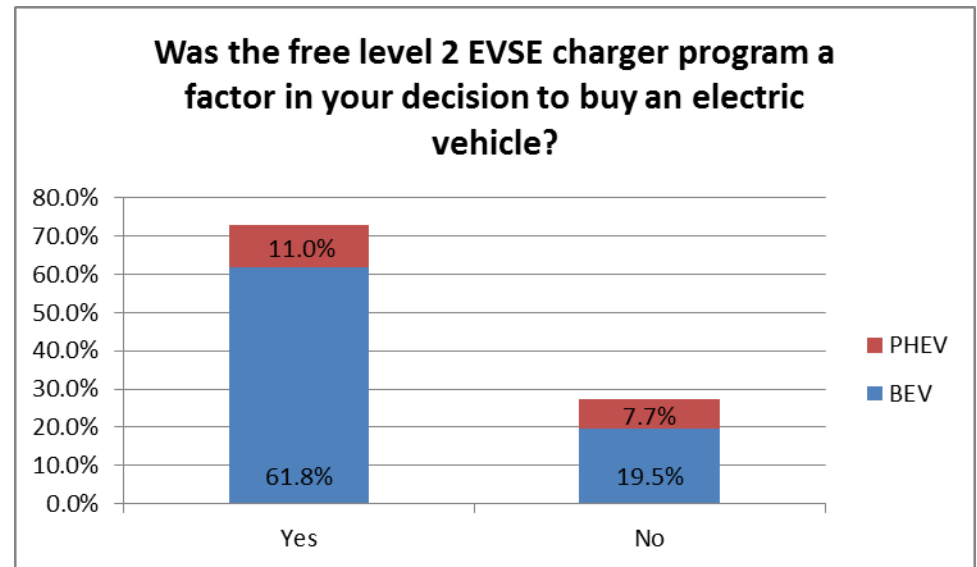
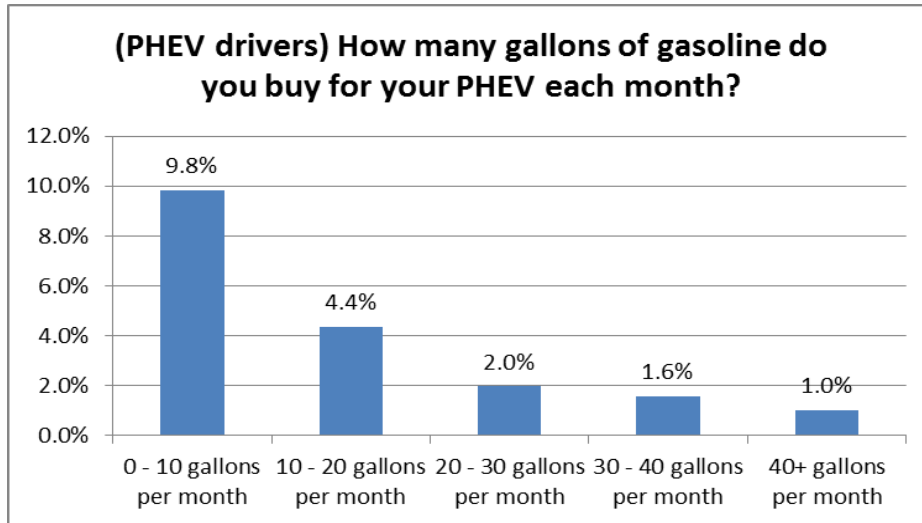
How often do you plug in your vehicle to charge?



Survey Questions



Survey Questions



Recommendation

- This project removed the EVSE/install from the prospective EV driver's worry – it was handled, which made buying an EV an easier decision
- Rebate programs for EVSE and installation services could serve the same role, but would need qualified contractors and standard installation criteria

The Two Fleet EVSE Projects

- \$75K each project
- Partnership with Car2Go in San Diego
- One project to Install EVSE at two hotels in San Diego (YMCA)
- One project to Install EVSE at two apartment buildings in San Diego
- Difficulty finding apartment buildings and hotels willing to participate (free equipment, free installation)

Contact

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