Mission

The California Plug-In Electric Vehicle Collaborative, a multi-stakeholder, public-private partnership, is working to ensure a strong and enduring transition to a robust plug-in electric vehicle market in California.
2013 Membership
Public Infrastructure in California

- Close to 4,000* Level 2 (220V) charging stations and 67 DCFC
- Almost $25M in CA state funding for PEV infrastructure (2010-2013)
- 200 NRG “Freedom Stations” and 10,000 Level 2 “make-ready’s” for multi-unit dwellings, workplaces, schools and hospitals
- 11 Tesla Supercharger locations with more coming

*Source: Plugshare.com
• CA is committed to this project
• To date, CA has concentrated on connecting metropolitan areas
• State has $6M in funding available for chargers in rural areas along corridors – this could include areas north of Sacramento
• Tesla super chargers currently connect Sacramento to Oregon

• NRG “Freedom Stations” will connect Mexico to Santa Barbara by Q1 2014
West Coast Electric Highway – California Challenges

- Low population areas with few PEVs
- Steep topography between towns
- Power capacity can be limited in rural communities
- Lack of internet access to support electronic payments
Workplace Charging

- **Best Practices for WPC (CALSTART)**
- **Amping Up California Workplaces: 20 case studies on PEV charging at work**
- **Decision Guides**
  - Why Employers Should Install WPC for PEV
  - Employers’ Guide to Installing WPC for PEVs
  - How Can I Get PEV Charging at my Workplace?
Charger Installations at Multi-unit Dwellings

• **PEV Charging Infrastructure Guidelines for Multi-unit Dwellings**

• Decision Guides:
  - PEV Charging Guide for Property Owners, Managers and Homeowner Associations of Multi-unit Dwellings
  - PEV Charging Guide for Residents of Multi-unit Dwellings
• September 16, 2013 in San Francisco
• 50 corporate executives met with the Governor including:
  – Google, Coca-Cola, Walgreens
• Corporate commitments:
  – Chargers: 2033
  – Vehicles: 1509
• At the event:
  – PEVs: 17
  – Motorcycles: 3
  – Delivery trucks: 1
  – Charging units: 2
  – Attendees: Over 150
California State Activities

- **ZEV Regulation**
  - About 14% of all cars sold must be ZEVs by 2025

- **Governor’s ZEV Action Plan**
  - Calls for 1.5M ZEVs by 2025
  - Infrastructure to support 1M ZEVs by 2020
  - State **fleet** adoption of ZEVs
    - 10% by 2015, 25% by 2020

- **ZEV Guidebook**
  - Information for PEVs and Fuel Cell Vehicles

- **Statewide Infrastructure Plan**
  - Planned release - End of 2013

www.opr.ca.gov/s_zero-emissionvehicles.php
PEV Incentives

• California Clean Vehicle Rebate Project
  — $2,500 BEVs, $1,500 PHEVs
  — Almost $64M allocated 2010-2013

• Federal tax credits
  — Up to $7,500 for BEVs and PHEVs – amount depends on battery size

• Federal infrastructure tax credits
  — Residents: Up to $1,000 for equipment
  — Fleets: Up to 30% of the cost of installation, not to exceed $30,000

• Carpool / HOV stickers

• Local incentives
  — Free Parking
2013 California State Legislation

- **AB 8** - Extends funding aimed at reducing auto emissions in California until 2024 (light, medium and heavy duty vehicles)
  - $100 million allocated annually since 2009
- **SB 359** – Provides almost $50 million to continue funding vehicle incentive programs
- **SB 286 and AB 266** – Extends HOV lane access until 2019
- **AB 1092** - Requires standards for electric vehicle charging infrastructure in multi-family housing and non-residential developments
- **SB 454** – Creates Electric Vehicle Charging Stations Open Access Act
- Helps car buyers find the right PEV
- Includes certified vehicles
- Charging
- Costs – cars and fueling
- Incentives search

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