

Bay Area Plug-in Electric Vehicle (PEV) Infrastructure

California Energy Commission

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JUNE 5, 2014



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Bay Area Air Quality Management District (BAAQMD)

Overview



- Introduction to the Bay Area Air Quality Management District
- Bay Area PEV Readiness Plan for PEV Infrastructure Deployment
- Questions



Bay Area Air Quality Management District (BAAQMD)

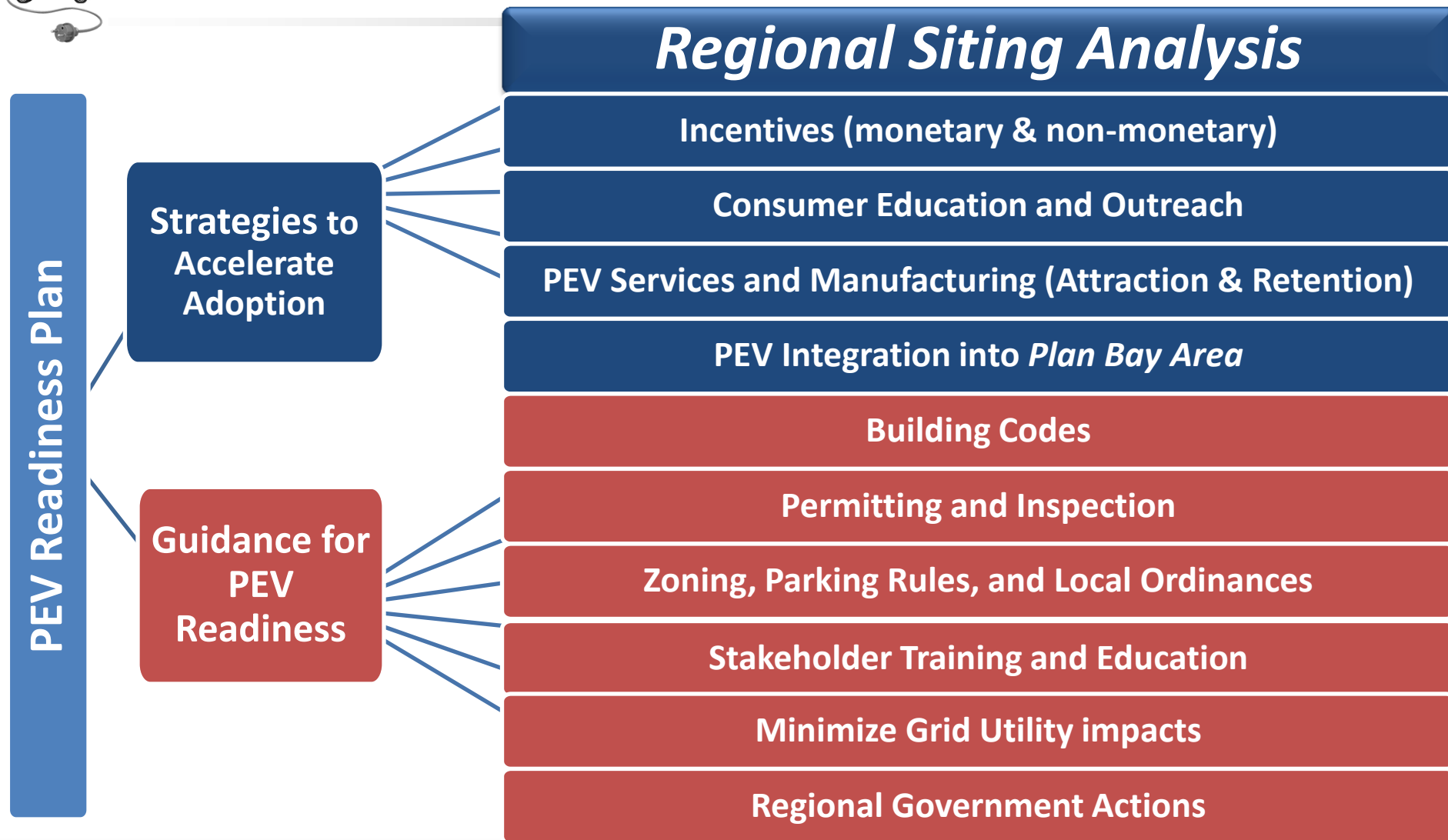


- **Established in 1955**
- **7 million population**
(~ 5.7 million vehicles)
- **9 Counties**
- **5,340 square miles**
- **Mission:** To protect and improve public health, air quality, and the global climate



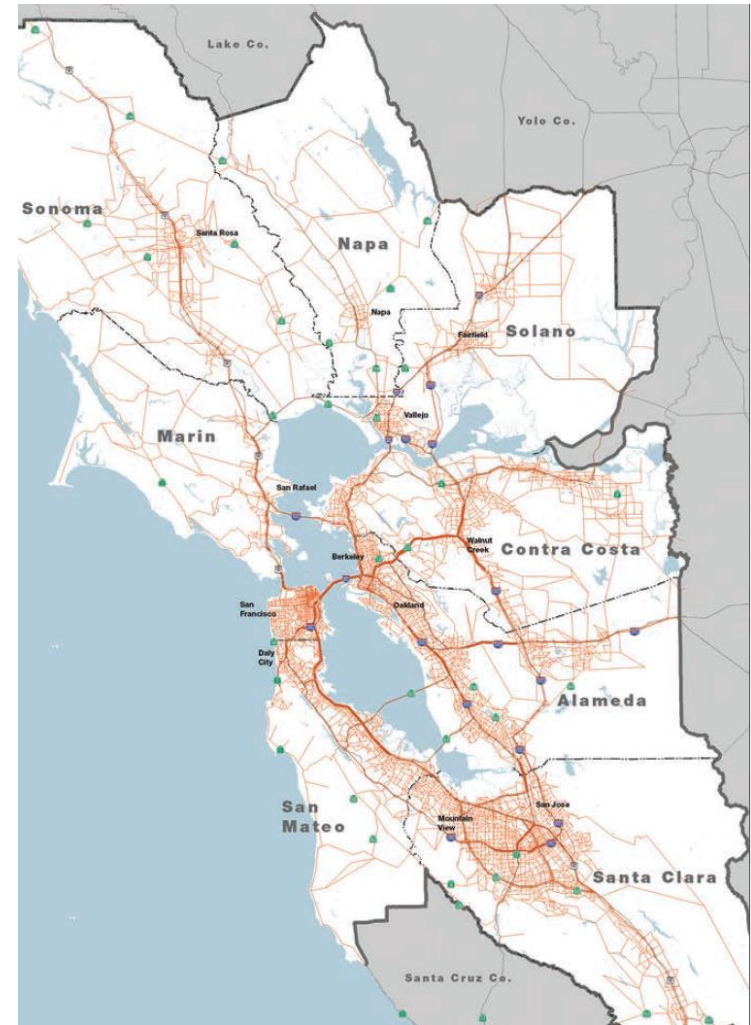
Bay Area PEV Readiness Plan – adopted Dec. 2013

www.BayAreaPEVready.org



Bay Area PEV Readiness Plan

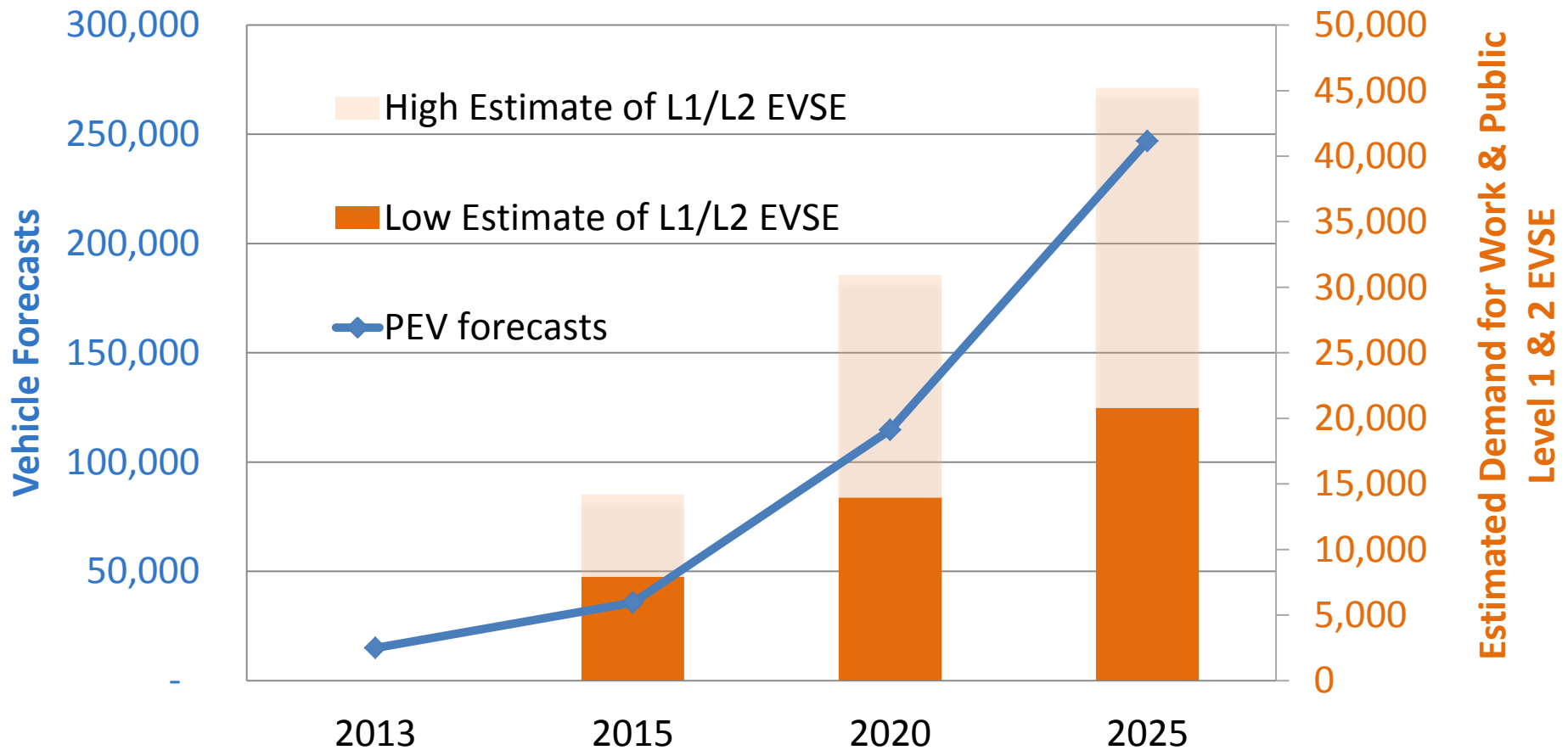
High-Public-Access vs. Home-Dominant Scenario



Bay Area PEV Readiness Plan



Work & Public EVSE Estimates to Support PEV Forecasts



Estimated demand for DCFC: 75-150 chargers at 35-50 locations by 2025

Bay Area PEV Readiness Plan

Current and Future EVSE and PEV Deployment



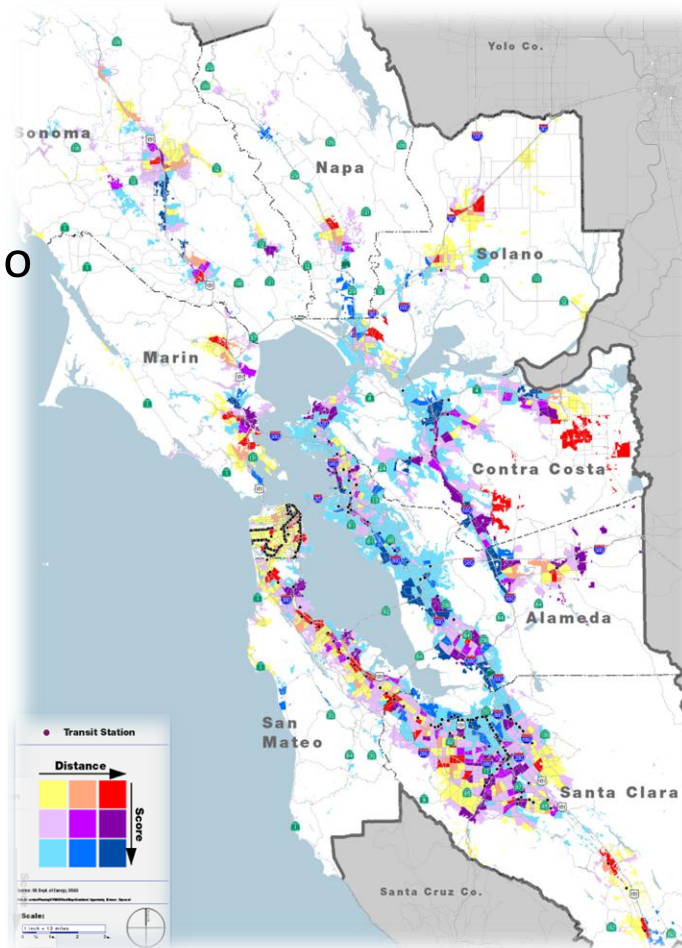
PEVs*:

- ~30,000 PEVs
- 36% of CA's PEVs
- 60/40 BEV-to-PHEV ratio

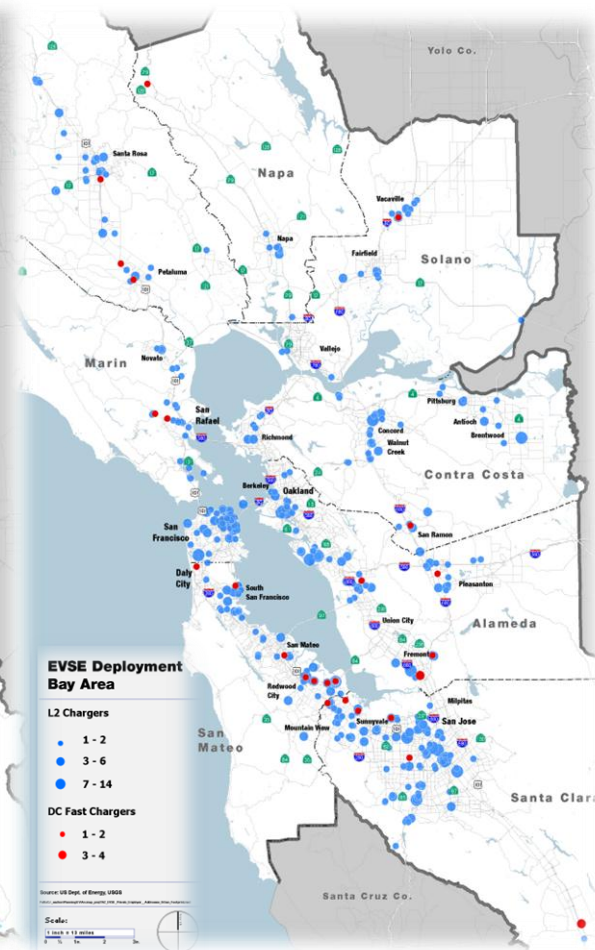
EVSE:

- ~1,700 L1/L2 Publicly available EVSE
- ~60 DCFC – CHAdeMO chargers

EVSE Suitability Study



Current EVSE Deployment

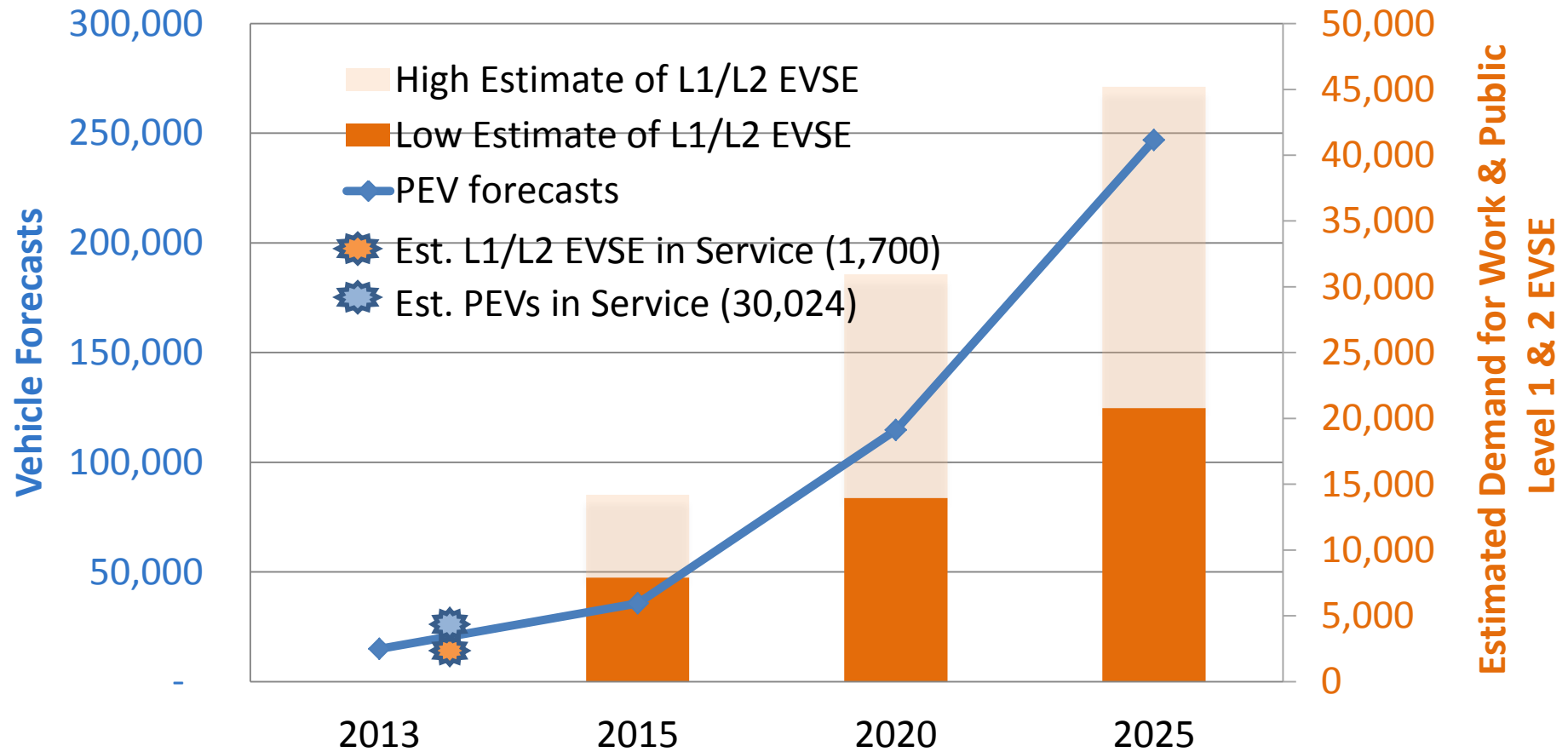


*Based on reported CVRP data as of June 2, 2014 and assumed 76% of PEV drivers obtained a rebate based on the CVRP Final Report FY 12/13 (CCSE 2013).

Bay Area PEV Readiness Plan



Work & Public EVSE Estimates to Support PEV Forecasts



Estimated demand for DCFC: 75-150 chargers at 35-50 locations by 2025

Bay Area PEV Readiness Plan

Getting to 246,900 PEVs by 2025



Bay Area Air District Incentives (\$12.75 million):

- PEV Rebates for Public Agencies (OPEN)
- DC Quick Charge Deployment Program (Mid-July)
- Workplace/Multi-Family/Key Destination Charging (Dec 2014)

Other Investments:

- California Energy Commission (\$3.4 Million)
- NRG (estimated \$26 Million)
- Private Investments



BAAQMD Program Contacts



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Bay Area PEV Readiness Plan

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