



CALIFORNIA ENERGY COMMISSION

# **Alternative and Renewable Fuel and Vehicle Technology Program Investments**

## **2013 Green Vehicle Funding Workshop**

### **Fairfield, CA**

### **November 14, 2013**

**Lindsee Tanimoto, Electric Vehicle Team Lead**

**Emerging Fuels and Technology Office**

**Fuels & Transportation Division**

**CA Energy Commission**



# Assembly Bill 8

*(Perea, Chapter 401, Statutes of 2013)*

- Extension through January 1, 2024
  - ARFVTP and ARB's AQIP and Carl Moyer Program
- Highlights for ARFVTP
  - Annual funding sources remain the same
  - Program goals remain the same
  - Funding extension – up to \$1B
  - \$20M ( $\leq 20\%$ ) for hydrogen fueling stations
    - Subject to analysis and reporting by CEC and ARB
  - “Benefit-cost score” addition



## Investment Plan

- Annual Investment Plan establishes funding priorities for ~\$100 million per year
  - Advisory panel provides guidance from broad cross section of California stakeholder groups
  - Allows the public to participate in the Investment Plan's development
  - Directs program activities to assist in achieving state policy goals, e.g., expand alternative fuel stations
  - Describes how funding will be used to complement other public and private investments



## ARFVTP Funding Summary: 2009-13

*As of October 1, 2013*

Investment Areas	Funding Amount (millions)	Percent of Total (%)	Number of Awards
Electric Drive	\$135.5	33	84
Biofuels	\$123.6	30	44
Natural Gas/Propane	\$64.6	16	52
Hydrogen	\$43.2	11	10
Workforce Development	\$23.2	6	39
Market and Program Development	\$17.5	4	26
<b>Total</b>	<b>\$407.6</b>	<b>100</b>	<b>255</b>



# EV Charger Support

EVSE Funding to Date = \$24.9 million

Total Funded = 7,613 charge points

Commercial = 3,096

Residential = 3,882

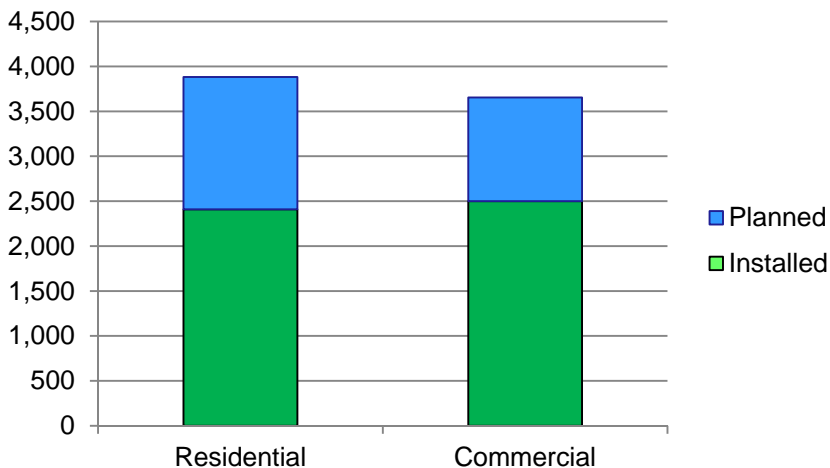
Workplace = 558

DC Fast Charger = 77

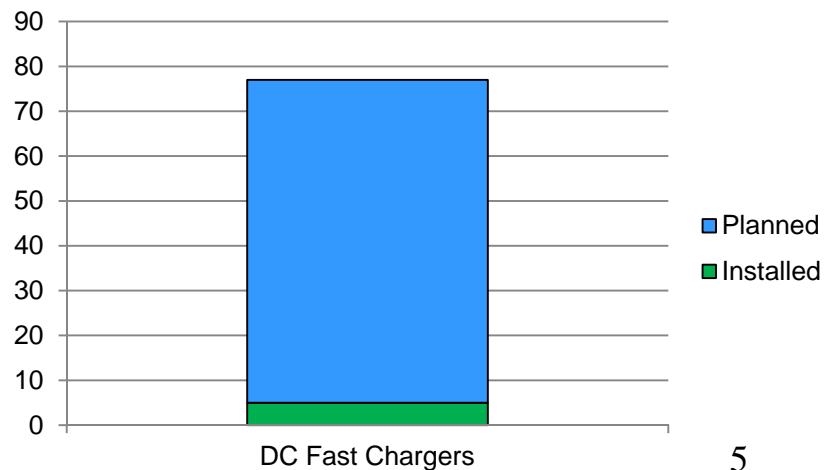
Plus 10 Regional Readiness  
Planning Grants = \$1.9 M



Level 1 & 2



77 DC Fast Chargers





## Next Rounds of CEC Funding

2012-13 Funding= \$6 million (PON-13-606)

- Destination, Corridor, Workplace, & MUDs

2013-14 Funding = \$7 million

- Support ZEV Action Plan, State Garages

2014-15 Proposed Funding = \$10 million

Regional Alt. Fuels Readiness (PON-13-603)

- \$2.1 million available; maximum award: \$300,000
- First-come, first-served for passing applications



## Next Round of EVSE Funding

The Electric Vehicle Charging Infrastructure solicitation (PON-13-606) was released on Friday, November 8.

Pre-application workshop on November 22.

<http://www.energy.ca.gov/contracts/index.html>

<http://www.energy.ca.gov/contracts/transportation.html#PON-13-606>



# Hydrogen Station Funding

Funding to Date = \$41.4 million

## Public Station Funding

- 17 New Stations = \$27 million
- ~7 Station Upgrades = \$6.7 million
- 13-15 New Stations = \$30 million (draft solicitation)

## Other Funding Activities

- AC Transit Fuel Cell Bus Station = \$3 million
- CDFA Div of Weights and Measures = \$4 million
- Retail Dispensing Fuel Standards
- UC Irvine STREET Model = \$750,000







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**Thank you for your attention.**

**CEC DRIVE Website:**

<http://www.energy.ca.gov/drive/>

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**Alternative and Renewable Fuel and Vehicle  
Technology Program:**

**FY 2013-14 Investment Plan**

<http://www.energy.ca.gov/2012-ALT-2/>

**FY 2014-2015 Investment Plan**

<http://www.energy.ca.gov/2013-ALT-02/documents>

Sign up for the Energy Commission Alt. Fuels list  
server at: <http://www.energy.ca.gov/listservers/>



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