Growing the ZEV Market

EV Roadmap 7 Conference
July 24-25, 2014

Janea Scott, Commissioner
California Energy Commission
California Energy Commission

Diverse Responsibilities

- **Energy Analysis**: develop key energy metrics and archive historic data
- **Permitting**: review and permit thermal power plants >= 50 megawatts (MW)
- **R&D**: research and development program administration (e.g. PIER and EPIC)
- **Energy Efficiency**: promulgate appliance and building energy efficiency regulations (Title 20 & 24)
- **Transportation**: support deployment of alternative vehicles and renewable fueling infrastructure

- **Renewable Energy**: administer renewable incentive programs, provide certification, and verification of renewable generation, and promulgate POU RPS regulations
- **Contingency Planning**: state energy emergency planning and oversight
- **Integrated Energy Policy Report**: publication of the “IEPR,” the State’s official source of energy policy guidance
California’s ZEV Goals and Market Development Strategies

VISION

Governor’s Executive Order on Zero Emission Vehicles
1M EVs by 2020 and 1.5M by 2025

ROADMAP

2013 Zero Emission Vehicle Action Plan

PARTNERSHIPS

Public-Private
California PEV Collaborative
California Fuel Cell Partnership

Multistate
Multistate ZEV Action Plan, Pacific Coast Collaborative
Alternative and Renewable Fuel and Vehicle Technology Program (California State Assembly Bill 118)

- Up to $100 million annually
- Develop and deploy fuels and advanced transportation technologies
- Over 300 projects to date
- AB 8 (Perea, 2013) extended funding through January 1, 2024
ARFVT Program by the Numbers

Support for Zero-Emission Vehicles
8,600+ electric charging points
10 PEV regional planning grants
$50M+ clean vehicle rebates
49 new or upgraded hydrogen fueling stations
18 manufacturing projects for electric drive technologies

Other Low Carbon Pathways
35 biofuel production projects
62 natural gas fueling stations
3,200 natural gas truck incentives
30 advanced truck technology demos

Economic Measurements
More than $1.6 billion requested in competitive solicitations
More than $700 million in outside funding leveraged
Nearly 12,500 workforce training participants
3,158 short-term and 3,216 long-term jobs created
Additional Information

ZEV Action Plan & CEC Implementation Activities
  •  http://www.energy.ca.gov/2013-ALT-01/documents/

ARFVTP Project Tour and Map
  •  http://www.energy.ca.gov/transportation/tour/
  •  http://www.energy.ca.gov/drive/projects/

2014 IEPR Update – PEV Infrastructure Workshop
  •  http://www.energy.ca.gov/2014_energypolicy/documents/#06052014