

# Zero Emission and Alternative Fuel Vehicles – Status Update

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## Board of Directors Santa Barbara County Air Pollution Control District

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Community Environmental Council

October 16, 2014



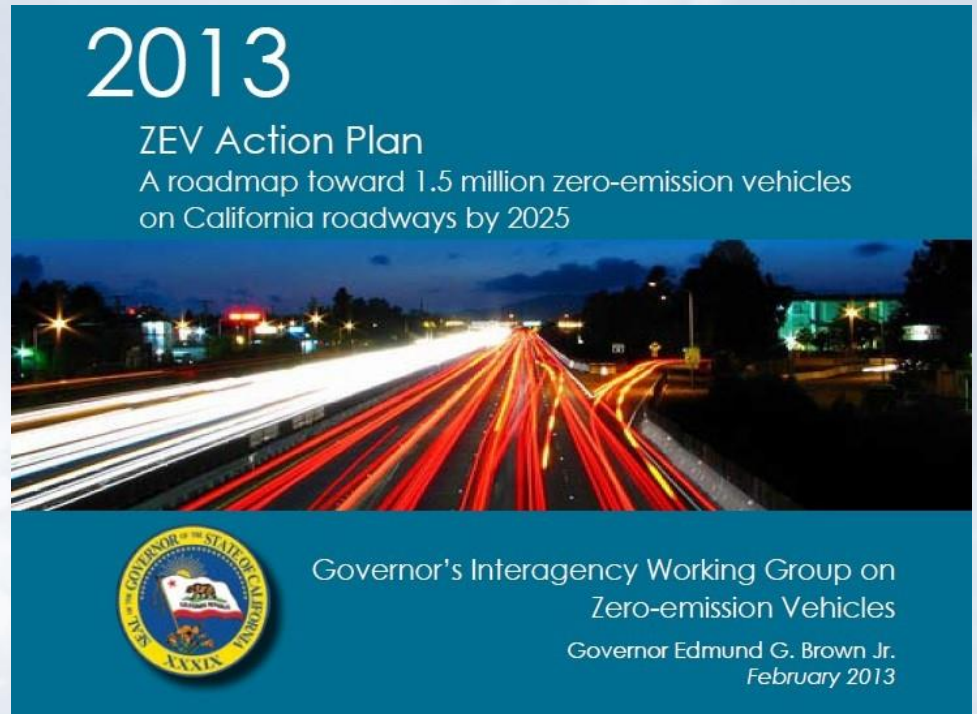
# Overview

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- Plug In Central Coast
- EVs and charging on Central Coast
- EV Readiness Plan
- District grant program for EV Charging
- Alternative Fuels Planning
- Opportunities

# Plug In Central Coast

- Mobile sources are under the purview of the California Air Resources Board
  - ZEV Action Plan
  - Federal and state rebates
  
- Need for local infrastructure and planning to accommodate the new fleet



# Plug In Central Coast (cont'd)

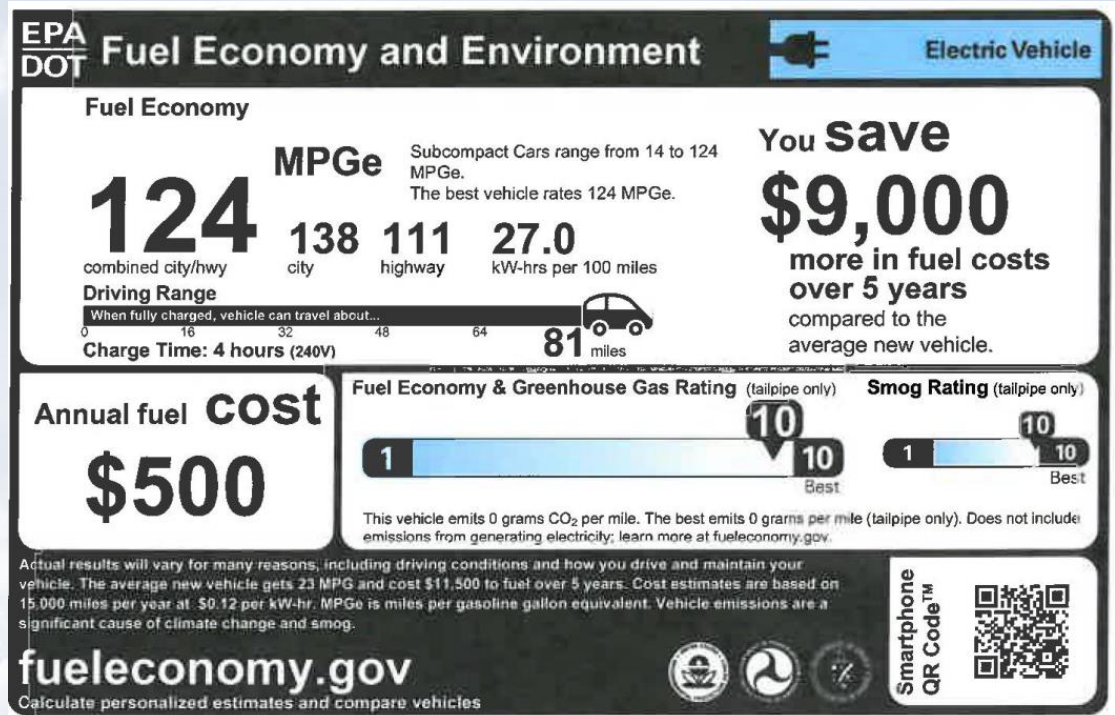
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- Came about through grant opportunities of the CA Energy Commission and the U.S. Department of Energy
- Collaborative effort of the tri-counties area
  - Ventura, Santa Barbara, San Luis Obispo air districts
  - Community Environmental Council
  - Central Coast Clean Cities Coalition (C5)
  - Coordinating Council consisting of local jurisdictions' public works, planning and transportation staff



# Why EVs are important

- Zero tailpipe emissions
- 100+ mpg
- Reduce GHGs by 75%
- Domestic alternative fuel



# Community EV Readiness Plan

- A comprehensive planning effort was made, and the result is the Central Coast EV Readiness Plan
- Available at the District website

Alternative and Renewable Fuel and Vehicle  
Technology Program

FINAL PROJECT REPORT

Electric Vehicle Readiness Plan for  
Ventura, Santa Barbara, and San Luis  
Obispo Counties (Central Coast)



Prepared for: California Energy Commission

Prepared by: EV Communities Alliance

With Contributions from the Plug-in Central Coast Coordinating Council  
Steering Committee Represented by Ventura County APCD, Santa Barbara  
County APCD, San Luis Obispo County APCD, Community Environmental  
Council, and the Central Coast Clean Cities Coalition (C5).

Cover Photo Credit: Stan Cowen, VCAPCD

JULY 2014

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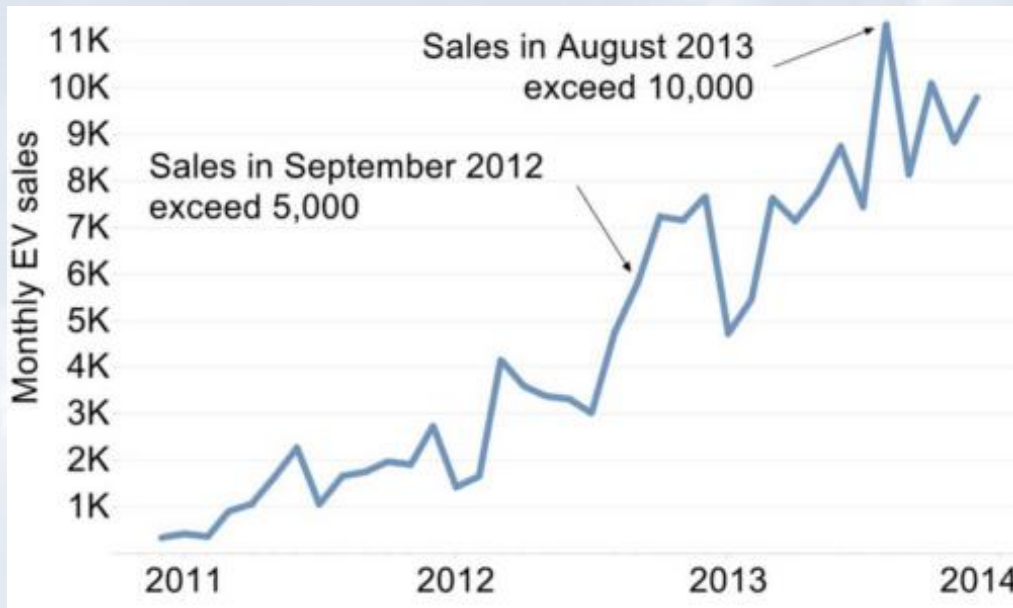
# Plug in Central Coast EV Readiness Plan

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- Steering Committee and Coordinating Council
- EV infrastructure
- EV friendly policies
- Conduit for state/federal grants
- Resources for businesses and public

















# EVs and chargers locally



- 620 EVs in SBC, 2,900 Central Coast, 102,000 in CA, sales expanding rapidly



## Electric Cars Available Now

### ELECTRIC VEHICLE INFORMATION

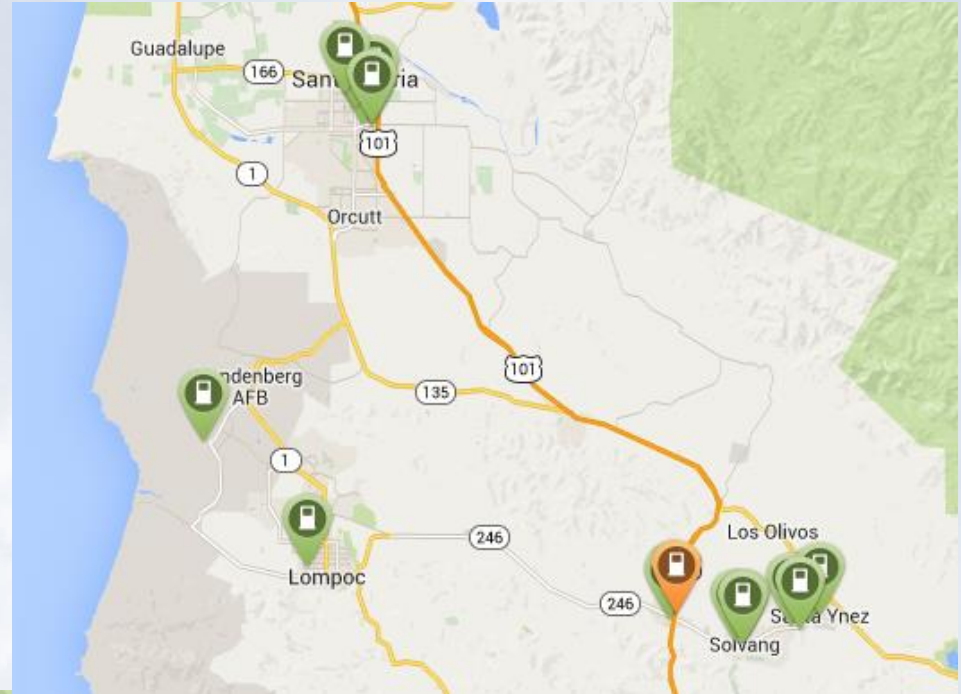
 CHEVY VOLT Four Door Hatchback	 NISSAN LEAF Four Door Hatchback	 TESLA MODEL S Four Door Sports Sedan	 TOYOTA PRIUS PLUG-IN Based on Toyota Prius
 FORD C-MAX ENERGI Four Door Hatchback	 FORD FUSION ENERGI Based on Ford Fusion	 FORD FOCUS ELECT. Based on Ford Focus	 HONDA PLUG-IN ACCORD SEDAN Based on Honda Accord
 HONDA FIT EV Based on Honda FIT	 TOYOTA RAV4 EV Based on Toyota RAV4	 MITSUBISHI i Sub-compact	 CHEVY SPARK EV Compact
 SMART ED Coupe	 FIAT 500 ELECT. Based on Fiat 500	 TESLA ROADSTER Two-seat Roadster	 FISKER KARMA Four Door Sports Sedan

 livinggreen  
for a Healthier Home and Lifestyle
  Community Environmental Council



# Public charging stations

- 93 SB County
- 124 Ventura
- 49 SLO
- 266 tri-counties



# District Grant Program

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- District EV Charging Infrastructure Grant Program
  - Approved by your Board in May 2011
  - Helped fund equipment and/or installation for several public entities in Santa Barbara County
  - Additional funds available
  - Similar programs in SLO, Ventura



# Central Coast – Charge Ahead Project

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- 78 charging ports throughout three counties
- Cities, counties, schools, parks

# Alternative Fuels Readiness Plan

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- One size does not fit all when planning for alternative fuel vehicles (Electric, hydrogen, biofuels, natural gas, propane)
- Santa Barbara County Long Range Planning Division grant effort
- Task force includes all three air districts, experts in field
- Early stages of plan development



# Opportunities

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- Continue to support local EV infrastructure through District grant program
- Through Plug In Central Coast, continue targeted outreach to willing site hosts in key locations
- CA Energy Commission current grant solicitation PON-14-603
  - Category A: PEV Implementation
  - Category C: FCEV Readiness