

Government Agencies in California

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California Clean Vehicle Rebate Project (CVRP)

California Environmental Protection Agency





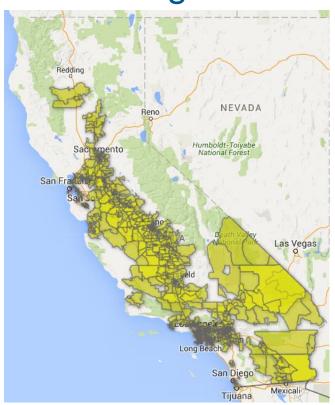
Post-delivery rebates for eligible light-duty vehicles

Vehicle Type	Rebate Amount
Fuel-Cell Electric Vehicle (FCEV)	\$5,000
Battery-Electric Vehicle (BEV)	\$2,500
Plug-in Hybrid Electric Vehicle (PHEV)	\$1,500
Zero-Emission Motorcycle (ZEM)	\$900



Public Fleet Pilot Project

Increased Incentives for Public Fleets in Disadvantaged Communities



Vehicle Type	Rebate Amount
Fuel-Cell Electric Vehicle (FCEV)	\$15,000
Battery-Electric Vehicle (BEV)	\$10,000
Plug-in Hybrid Electric Vehicle (PHEV)	\$5,250

ZIP codes containing Disadvantaged Communities as defined by CalEnviroscreen: http://www.arb.ca.gov/cc/capandtrade/auctionproceeds/535zipmap.htm



EV Suitability Assessments



Log baseline
vehicle operation
to determine how
vehicles are currently used.



into FleetCarma EV models to evaluate EV suitability and operational costs.





Discover which EV technologies best match fleet vehicle duty cycles and optimize total cost of ownership.







Baseline Vehicle Logging



fleetcarma

Fleet: Depot:

Vehicle: 2010 Ford Fusion

Unit Id:

Description:

Log Dates: March 25 -April 10 2013

Logtime: 16 Days, 0 Hours
Operation Hours: 27.5 (1.7 h/operating

days)

1442

Time Idling: 318.8 min (19.3%)

Total Distance 632 mi

Travelled:

Longest Single Day: 194 mi

21 MPG 1,572 Wb/mi

Carbon Emissions: 1.20 lb/mi

Consumption:

Project Averages



Daily driving distance:

23 miles

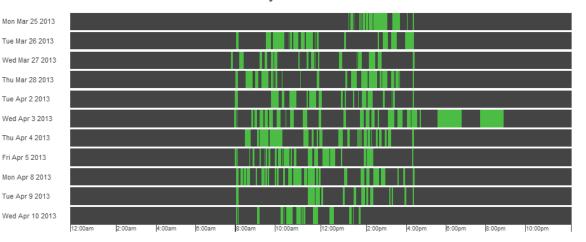


23 mpg



27%

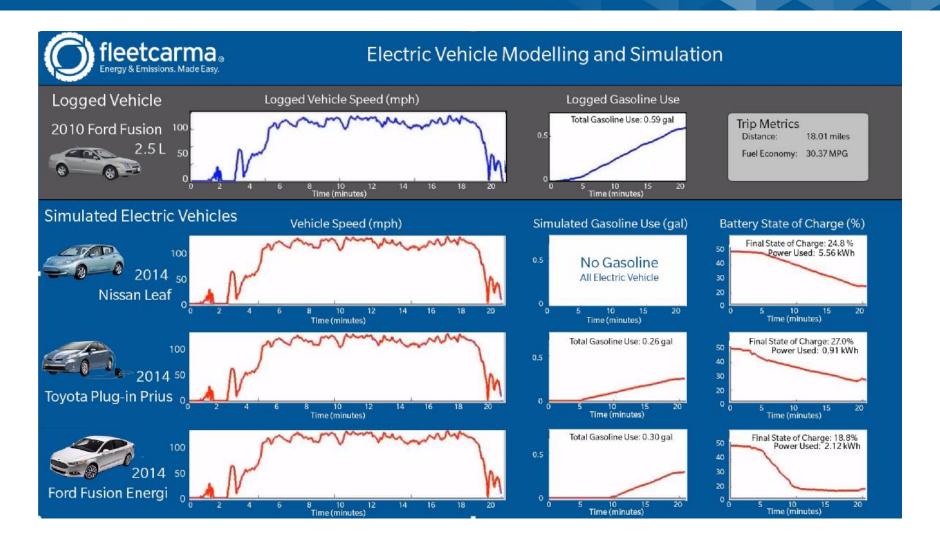
Daily Utilization







EV Duty Cycle Modeling







Modeling Results



17 vehicles
Not recommended for replacement





Lessons Learned - Challenges

- EV charging infrastructure
- Need for larger vehicles
- From motor pool to vocational
- Institutional support





Lessons Learned - Opportunities

 Suitability assessments made fleets more likely to acquire EVs – 50 purchases in process

"This assessment was a great opportunity to evaluate our future needs for electric vehicles and related equipment to change our carbon footprint."

— Roseann Galvan, City of Selma

- Financial incentives remain important part of the business case for EVs in public fleets
- Technical assistance, best practices, and peer-to-peer information still in demand





Contact Us



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