

Greening Your World...



Center for
Sustainable Energy
CALIFORNIA

California Green Summit

Reducing Your Carbon Footprint: Incentives for Alternative Vehicles and Fuels

Sacramento, California

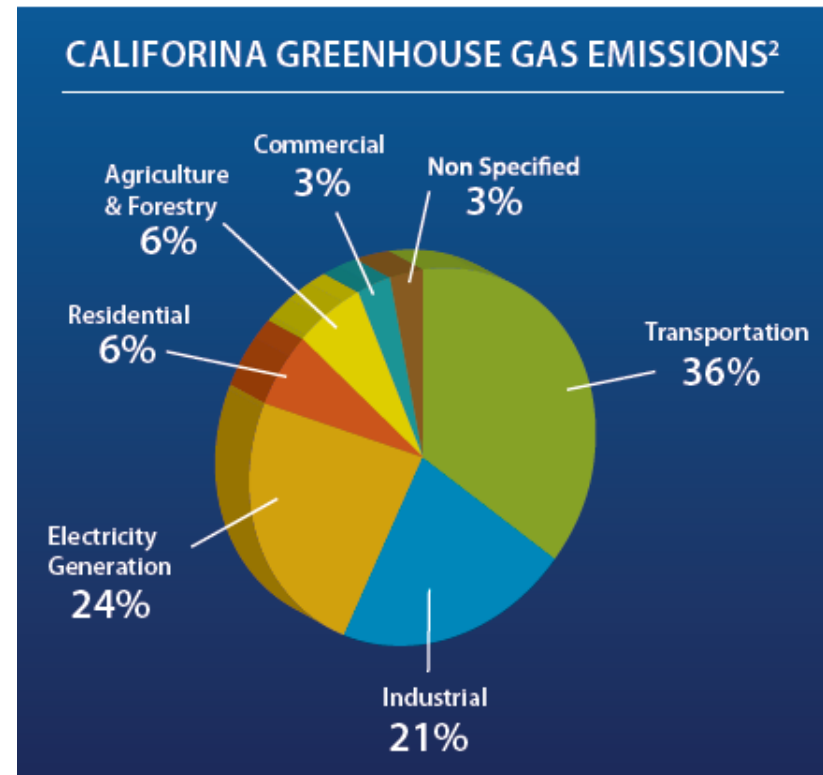
April 19, 2011

Presentation Outline

- Why fund alternative fuel/vehicle programs?
- Main California Policy Drivers
- California Vehicle Incentives
- Additional Local Incentives
- Federal Vehicle/Infrastructure Incentives
- Clean Cities Coalition

Why Fund Alternative Fuel Vehicles?

- Climate Change
 - Greenhouse Gas Emissions
- Air Quality/Public Health
 - Gasoline- increased asthma
 - Diesel- heart disease
 - CA Cities some of the most polluted in the nation



California Clean Transportation Policy Drivers

Policy Driver	Policy Goal
AB 32-Global Warming Solutions Act of 2006	Comprehensive Policy to Reduce GHG
SB 375- Regional Emission Reductions Targets	Reduce GHG emissions from vehicles via land use planning
AB 1493- Pavely Standards	Increase fuel efficiency standards for vehicles sold in CA
Low Carbon Fuel Standard	10% reduction in carbon intensity of fuels by 2020
AB 118- Alternative Fuel/Technology Program	Funding for development of alternative fuels and vehicle incentives

CLEAN VEHICLE MENU

Clean Vehicle Rebate

Project

- About CVRP
- **CVRP Eligible Vehicles**
- CVRP Available Funding
- FAQs about CVRP
- Additional Incentives
- CVRP Glossary
- AFV Links
- CVRP Blog
- CVRP Presentations

CVRP RESOURCES

-  CVRP Implementation Manual
-  CVRP Applicant Requirements
-  Vehicle Manufacturer Application
- CVRP Eligible Vehicle List

ADDITIONAL



CLEAN VEHICLE REBATE PROJECTSM

The Clean Vehicle Rebate Project ([CVRP](#)) is funded by the California Environmental Protection Agency's Air Resources Board ([ARB](#)) and administered statewide by the California Center for Sustainable Energy ([CCSE](#)). A total of \$9.1 million has been appropriated for FY 2009-2011 to promote the production and use of zero-emission vehicles, including electric, plug-in hybrid electric, and fuel cell vehicles. Rebates of up to \$5,000 per light-duty vehicle are available for individuals and business owners who purchase or lease new eligible zero-emission or plug-in hybrid electric vehicles.

www.energycenter.org/cvrp

Step 1

Verify Vehicle Eligibility and Apply



CLEAN VEHICLE
REBATE PROJECTSM

Type of Vehicles	PHEV, NEV, ZEM and ZEV, ex. Nissan LEAF
Rebate Amount	Rebates range from \$1,000-\$5,000 depending on vehicle type
Available Funding	Approximately \$5.2 million remaining with an additional \$2 million from the CEC
How is it Funded	Increases in vehicle, vessel registration and smog abatement fees
How Long is it Funded	Statute allows incentive funding through 2015, but project allocations are made annually by ARB.
How to Apply	Go to www.energycenter.org/cvrp Rebates are on a first come, first serve basis



**HYBRID TRUCK AND BUS
VOUCHER INCENTIVE PROJECT**

TOLL-FREE HOTLINE 1-888-457-HVIP or 1-888-457-4848

(9am - 5pm Pacific, M-F)

TOLL-FREE FAX 1-888-457-4848

Wednesday, March 23, 2011

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www.californiahvip.org

ARB FY - 2011 Estimated Balance: \$13,676,442.00

- Funding Definitions -



Type of Vehicles	Med/Heavy duty hybrid and electric vehicles, ex. package/beverage delivery
Rebate Amount	Rebates range from \$10,000-\$30,000 depending on vehicle type
Available Funding	Approximately \$13.7 million remaining
How is it Funded	Increases in vehicle and vessel registration and smog abatement fees
How Long is it Funded	Statute allows incentive funding through 2015, but project allocations are made annually by ARB.
How to Apply	Go to www.californiahvip.org Rebates are on a first come, first serve basis



California: CVRP and HVIP
\$1,000-\$30,000 depending on vehicle type

ECOtality's EV Project
San Diego, San Francisco and Los Angeles
Cost of charger, installation up to \$1,200

Bay Area Air Quality Management District
\$700 Charging Unit Discount
Incentive through the EV Project

San Joaquin Valley Remove II Program
\$1,000-\$3,000 depending on vehicle emissions

City of Riverside Alternative Fuels Rebate
-Up to \$2,000 depending on MPG

Electric Vehicle Tax Credit

- EV/PHEV tax credits range from \$2,500 to \$7,500
- Based on battery capacity
 - Minimum of 4 kilowatt-hours (\$2,500)
 - In excess of 5 kWh additional \$417 per kWh
 - ✓ **Nissan LEAF** 24 kWh battery capacity (\$7,500)
 - ✓ **Chevrolet Volt** 16 kWh battery capacity (\$7,500)
- **Phase out per manufacturer after 200K EV/PHEV**

www.fueleconomy.gov/feg/taxcenter.shtml

Electric Vehicle Infrastructure Tax Credit

- Two Types: Residential & Commercial
 - Residential-30% of the cost and installation for home EV charging equipment up to \$1,000
 - Commercial-up to a maximum \$30,000 credit for larger installations

www.fueleconomy.gov/feg/taxcenter.shtml

***Applies to qualified equipment installed
between Jan. 1, 2011 & Dec. 31, 2011***

Clean Cities Coalitions

- DOE Sponsored program
 - ≈ 100 nationwide organizations, 13 are in CA
 - **3 key petroleum reduction strategies**

Replace

- Alt Fuels

Reduce

- *Fuel Eff.*

Eliminate

- Mass Tran

Were not only talking about EVs...

- Proposition 1B: Good Movement Emission Reduction Program and Carl Moyer Program (Medium/Heavy Duty)
 - Funding via AQMD/APCD
- 2011-2012 CEC Investment Plan AB 118
 - Natural Gas (20-30 million)
 - Propane (2-6 million)
 - Ethanol/Biodiesel (\approx 24 million)



Contact Info

Program Manager, David Almeida
California Center for Sustainable Energy

Direct Line: (858) 244-1190

David.Almeida@energycenter.org

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