



Review of Program Activities

FY 2008-2010



FY 2008-2010 Investment Plan

- The previous Investment Plan, covering FY 2008-2009 and FY 2009-2010, was adopted by the Energy Commission on April 22, 2009.
- The FY 2008-2010 Plan allocated \$176 million across six fuel categories and one supplemental category.
- Funds must be encumbered within two years. (\$75 million – June 30, 2010; \$101 million – June 30, 2011)



Investment Plan Funding Allocations – First Two Years

Fuel / Technology	Funding Allocation (million)
Electric Drive	\$46
Hydrogen	\$40
Ethanol	\$12
Renewable Diesel/Biodiesel	\$6
Natural Gas	\$43
Propane	\$2
Market Development and Program Support	\$27
Total	\$176



Interagency Agreements and Contracts – First Two Years

- State fleet PHEV retrofits - \$.612 million
 - Interagency agreement with DGS
- Workforce development - \$15 million
 - Interagency agreements with EDD, CCCCCO, and ETP
- Hydrogen fueling standards - \$4 million
 - Interagency agreement with Division of Measurement Standards
- Technical assistance - \$1 million



American Recovery and Reinvestment Act (ARRA) Cost Sharing Solicitation

- To maximize the influx of federal funds to California, the Energy Commission sought proposals that would also draw from federal sources.
- The Energy Commission is providing \$36.2 million as match for \$93.6 million in federal dollars (and \$127.8 million in other dollars).
- \$125.4 million was awarded to California projects without AB 118 match funding.



ARRA Awards in California (in millions)

ARRA Program	Federal Funds Available	ARRA Awards with AB 118 Match Funds			ARRA Awards w/o AB 118 Match
		ARRA Awards	AB 118 Match Funds	Private/Other Match	
Transportation Electrification	\$400	\$70.273	\$17.556	\$83.966	\$3
Clean Cities	\$300	\$19.359	\$14.450	\$43.510	\$6
ARPA-E	\$400	\$4	\$1	\$0.3	\$12
Advanced Battery Manufacturing	\$2,000	\$0	\$0	\$0	\$0
Diesel Emission Reduction	\$300	\$0	\$0	\$0	\$27
Applied RDD&D	\$2,500	\$0	\$0	\$0	\$14
TIGGER	\$100	\$0	\$0	\$0	\$18
Integrated Biorefinery	\$483	\$0	\$0	\$0	\$45
Class 8 Trucks and Adv Tech for LD Vehicles	\$115- \$240	\$0	\$0	\$0	*
Algal and Advanced Biofuels Consortia	\$85	*	\$3	*	\$,400



ARRA Projects

Project Type	Fuel Type	Inside CA	Outside CA	Nationwide
Infrastructure	Biodiesel	*	30	30
	E-85	*	112	112
	Natural Gas (CNG or LNG)	2 LNG	133 CNG, 13 LNG	133 CNG, 15 LNG
	Propane	*	253	253
	Hydrogen	*	2	2
	Electric	3,191	1,571	4,762
	Electric (TSE)	*	50	50
Vehicles	Natural Gas	442 LNG	2,647	3,089 CNG/LNG
	Electric/Hybrid	123 PHEV	2,576	2,699
	Propane	*	3,256	3,256



California-Focused Solicitations

- Three PONs
 - Released November 25, proposals were due January 25
 - Staff is currently reviewing 126 proposals
 - Proposals and results will help inform future funding decisions

- Biomethane Production for Transportation (PON-09-003)
 - Up to \$21.5 million available for funding
 - \$144.9 million requested by 24 projects



California-Focused Solicitations

- MD/HD Vehicle Demonstrations (PON-09-004)
 - Up to \$9.5 million available for funding
 - \$147.6 million requested by 50 projects
 - Multiple fuel types eligible
- Fueling Infrastructure (PON-09-006)
 - Up to \$13.8 million available for funding
 - \$74.4 million requested by 52 projects
 - Multiple fuel types eligible



Potential Solicitations and Agreements

- Hydrogen Fueling Stations (\$22 million reserved)
- New Fuel Production Plants
 - Will focus on biofuels (inc. ethanol and biomass-based diesel)
- Manufacturing Incentives
- Ethanol Production Incentives



Potential Solicitations and Agreements, cont.

- Propane school buses
- Center of Excellence
 - Will focus on advanced medium- and heavy-duty vehicle demonstrations
- Plug-in hybrid electric vehicle retrofits
- Sustainability studies