



MD-HD Vehicle Investments

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Previous MD-HD Investments

	Funding	
Advanced MD-HD Vehicle Demonstration	\$103.5 M	297 Vehicles
Intelligent Transportation Systems	\$2.0 M	2 Projects
Natural Gas Fueling Infrastructure	\$21.0 M	65 Stations
Natural Gas Vehicle Incentives	\$56.4 M	~2,800 Vehicles
Manufacturing	\$57.0 M	22 Projects



Past NG Infrastructure Investments

- PON-14-608 released March 2015
- Awarded \$5.5 million for 13 projects
- Awardees included Public K-12 school districts and local government fleets
- Mix of private and public access stations
- Provides fueling for over 275 vehicles (mostly school bus)
- GFO-16-602 released September 2016
- Limited to school districts only
- \$3.5 million total available



Recent NG Infrastructure Investments

Recipient	Project Title	Funding
Sanger Unified School District	Reduced Emissions and Consolidated Transportation (REACT) Initiative	\$500,000
Beaumont Unified School District	Beaumont USD CNG Filling Station Upgrades	\$500,000
Rialto Unified School District	CNG Fueling Station and Transportation Yard	\$500,000
Fresno Unified School District	Fresno Unified School District CNG Fuel Station Expansion – Phase 4	\$500,000
Fontana Unified School District	Foreign Oil Reduction Transportation Resources Investment in Infrastructure, Informatics and Power Systems	\$500,000
Kern County Superintendent of Schools	Kern CNG Portable Refueling Program	\$500,000
Kings Canyon Unified School District	Canyon Air Repair (CAR) Project	\$500,000
Huntington Beach Union High School District	Huntington Beach Union High School District CNG Filling Station	\$500,000
Fullerton Joint Union High School District	CNG Fueling Infrastructure	\$500,000
Lindsay Unified School District	LUSD CNG Fueling Station Upgrade	\$245,418
City of Sacramento	City of Sacramento Establishment of New CNG Infrastructure	\$250,000
City of San Diego	Compressed Natural Gas Fueling Station at the Environmental Services Operations Station	\$250,000
Las Gallinas Valley Sanitary District	Las Gallinas Valley Sanitary District Natural Gas Fueling Infrastructure Installation	\$250,000



Natural Gas Vehicle Deployment Investments

Funding Agreement / Solicitation	Vehicle Type	# Vehicles	Amount \$ (M)
San Bernardino Association of Governments (ARV-09-001)	Heavy Duty Trucks	202	\$9.30
South Coast Air Quality Management District (ARV-09-002)	Heavy Duty Drayage Trucks	120	\$5.10
Buy Down Incentives Approved (PON-10-604 and PON-11-603)	Up to 8,500 GVW	245	\$0.70
	8,501-14,000 GVW	137	\$1.10
	14,001-26,000 GVW	211	\$4.20
	26,001 GVW and up	446	\$12.90
Buy down Incentives (PON-13-610; approved reservations)	Up to 8,500 GVW	1,616	\$1.60
	8,501-16,000 GVW	628	\$3.80
	16,001-26,000 GVW	314	\$1.90
	26,001-33,000 GVW	0	\$0.00
	33,001 GVW and up	551	\$13.80
UC Irvine Natural Gas Vehicle Incentive Project	TBD	TBD	\$10.20
TOTAL		4,470 (+TBD)	\$64.60



Natural Gas Vehicle Incentive Project

- Administered by the University of California, Irvine

Natural Gas Vehicle Incentives

GVW (lbs)	Incentive Amount
Up to 8,500	\$1,000
8,501 – 16,000	\$6,000
16,001 – 26,000	\$11,000
26,001 – 33,000	\$20,000
33,001 & greater	\$25,000



More info: <https://ngvip.its.uci.edu/>



Natural Gas Vehicle Incentive Project

- \$10.2 million, 100% funded/reserved
- \$11.0 million on waitlist
- 453 vehicles confirmed across 44 applicants
- Majority of Reservations for Class 8



Where to next?

- Natural Gas Fueling Infrastructure?
- Low NOx Engine R&D ?
- Hybrid NG-Electric vehicles?
- Vehicle purchase incentives?
- Targeted incentives?
- Outreach and education?





Thank You

Questions:
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