



California Natural Gas Vehicle Coalition

Sacramento Clean Cities
Natural Gas Workshop

May 15, 2014



CA NGV Coalition 2014



Natural Gas is a Great Choice

- **Wide applicability (autos, trucks, buses, forklifts, etc.)**
- **North American fuel supply**
- **High well-to-wheel efficiency**
- **Fuel cost < gasoline and diesel**
- **Wide range of infrastructure possibilities**
- **SULEV / ILEV / AT PZEV capable**
- **Low carbon fuel**
- **Proven performance, known costs**
- **Renewable Natural Gas**



UPDATE ON COMMERCIALLY AVAILABLE NATURAL GAS VEHICLES

Latest Natural Gas Product News

- ▶ Ford now offering 8 commercial vehicle models with a gaseous prep option
- ▶ GM Bi-fuel Impala will be available this summer
- ▶ ACT Expo – 29 NGVs including 17 HD trucks on the exhibition floor
- ▶ Lots of activity in the tank/cylinder development

Growing Selection of NGVs from OEMs, SVMs

HD Truck OEMs

Freightliner Truck
Volvo
International
Kenworth
Peterbilt
Mack

HD Vocational OEMs

Mack
Peterbilt
Crane Carrier
Autocar Truck
ALF Condor
Elgin
Johnston
Schwarze
Tymco
Capacity

HD Bus OEMs

Thomas Built Bus
Blue Bird Bus
Optima/NABI
El Dorado
New Flyer
Motor Coach Ind.
Gillig
DesignLine

HD Retrofit/Repowers

American Power Group
Clean Air Power
Fyda Energy Solutions
NGV Motori
Omnitek Engineering

Dual fuel retrofits and SING
repowers of Cummins, Daimler,
Navistar, Detroit Diesel, Mack, Volvo,
Caterpillar

LD OEMs

American Honda
General Motors
Chrysler Ram Trucks

LD/MD Retrofits*

Altech-Eco
Landi Renzo/Baytech
IMPCO Automotive
Westport/BAF
Technologies
NGV Motori USA
NatGasCar
Auto Gas America
Greenkraft
PowerFuel Conversions

Retrofits of GM, Ford, Dodge, VW,
Mazda, Mitsubishi, Workhorse, Isuzu,
JAC, UtiliMaster, Freightliner Custom
Chassis

LDVs Available from OEMs



**Honda
Natural Gas
Civic Sedan
(dedicated)**



**GM
Silverado/Sierra
pick-up (bi-fuel)**

**GM Express/Savana
Cargo & Passenger
Vans (dedicated)**



**Ram 2500 dual-
cab pick-up (bi-
fuel)**

**NEW! MY 2015
Bi-fuel GM
Impala
(late summer
2014)**



Additional Vehicles available through SVMs



Additional Vehicles available through SVMs



Incentives, Rebates, Tax Credits

AB 118 Program – AFRVT

- ▶ Alternative and Renewable Fuel and Vehicle Technology Program
- ▶ Run by California Energy Commission
- ▶ Approximately \$12 million per year for NGV buy-down incentives and infrastructure support
- ▶ Last offering was \$1,000–\$25,000/vehicle
- ▶ More than \$16 million in NGV grants in 2014
- ▶ \$15 million more will be available in the next year
- ▶ Next NGV solicitation probably early 2015

Clean Car “White Sticker” Program

- ▶ High Occupancy Vehicle (HOV) lane access for qualifying single occupant vehicles
- ▶ Vehicles must meet both CA SULEV and federal ILEV emission standards
- ▶ No weight class restriction
- ▶ Program extended through 2018

Federal Incentives

- ▶ Alternative Fuel excise tax credit for alternative fuels – \$.50/gallon
- ▶ Up to 30% tax credit for refueling infrastructure
- ▶ Expired but are part of legislation in the US Senate and expected to be approved (including retroactive for 2014) after the elections in November

Other resources

- ▶ NGV America
 - www.NGVAmerica.org
- ▶ California Energy Commission
 - <http://www.energy.ca.gov/transportation/index.html>
- ▶ Clean Cities 2014 Vehicle Buyers Guide
 - <http://www.afdc.energy.gov/uploads/publication/60448.pdf>
- ▶ CNGVC Station Directory
 - <http://cngvc.org/news-and-resources/fueling-stations.php>

Tim Carmichael
President
California Natural Gas Vehicle Coalition
Email: tim@cngvc.org
Ph: (916) 448-0015
Website: www.cngvc.org