



# **Propane**

# **The Clean Alternative**

2008 Western Region Clean Cities  
Peer Exchange  
June 25, 2008  
Diamond Bar, CA

# Propane Motor Fuel

- Propane is the third most widely used transportation fuel in the world.
- It can be used in many vehicles as a alternative to gasoline and diesel.



# Where does propane come from?



- Refineries
  - Los Angeles Basin*
  - San Francisco Bay Area*
- Gas plants
  - San Joaquin Valley*
- 90-95% of total demand supplied from within North America, which reduces the dependence on foreign oil

# Distribution



# Propane Facts

- Propane is a liquefied petroleum gas (LPG)
- Propane is colorless, odorless, tasteless, and non-toxic
- Propane has a high octane rating and a low carbon footprint
- Propane burns clean, lowering maintenance cost
- Propane refueling is quick and easy
- Propane is stored in the vehicle's fuel tank as a liquid

# Motor Fuel Dispensing

## Fleet Refueling

1. Cost Effective
2. Electronic Readout
3. Card or Key lock Capacities
4. Dual Hose
5. UL Approved
6. Interface w/EPOS



# Capacity



## On Site Storage Tanks

- **Horizontal and Vertical**
- **500, 1000 and 2000 gallon capacity**

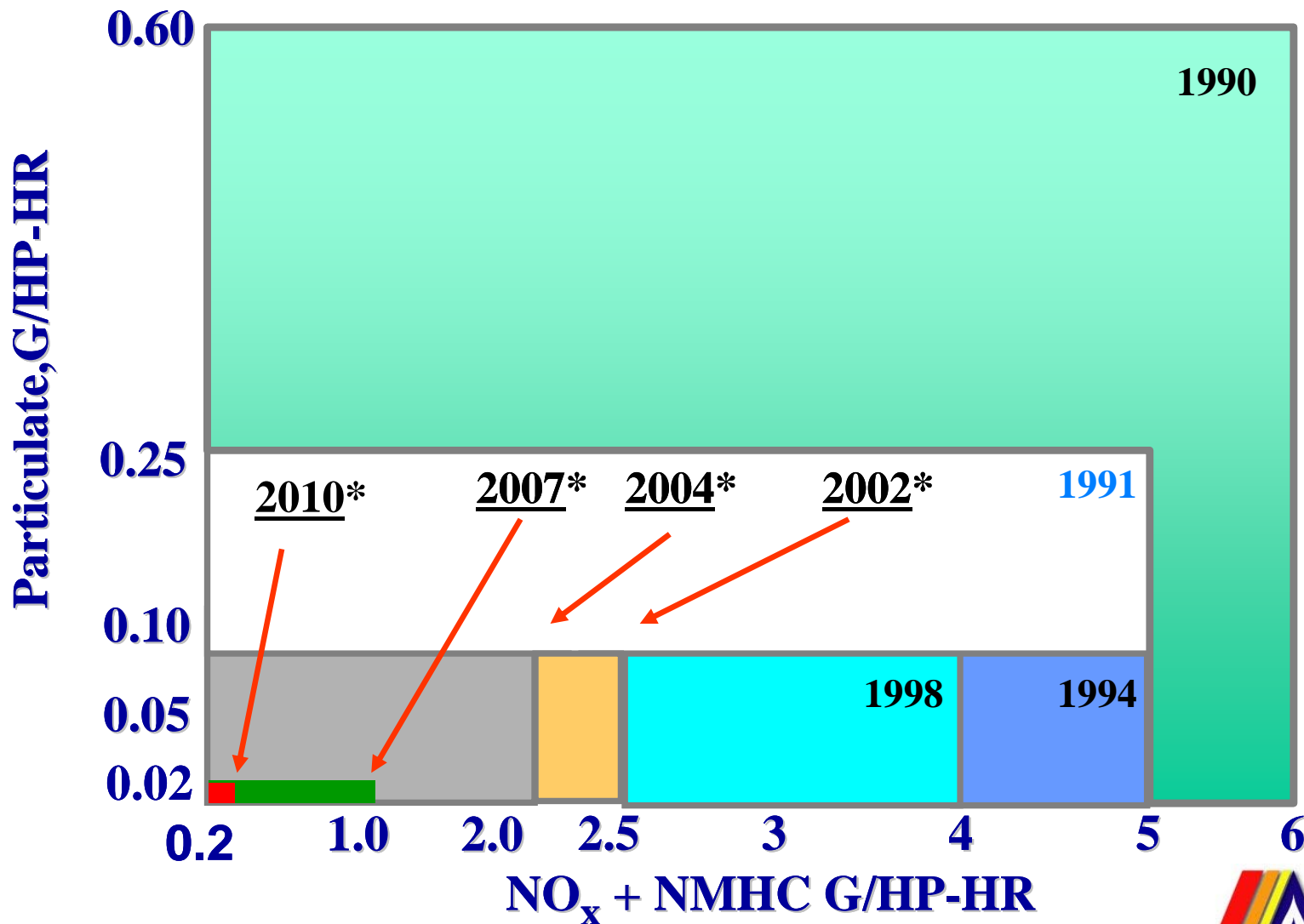
# Public Refueling



- CFUSA 24/7 Sites
- Gas Stations
- Truck Stops
- Rental Yards
- Propane Retail Locations



# Clean



# Cost Effective

## Tax Credits

Alternative Motor Vehicle Credit

(Effective December 31, 2005 – January 1, 2011)

Alternative Fuel Vehicle Refueling

Property Credit

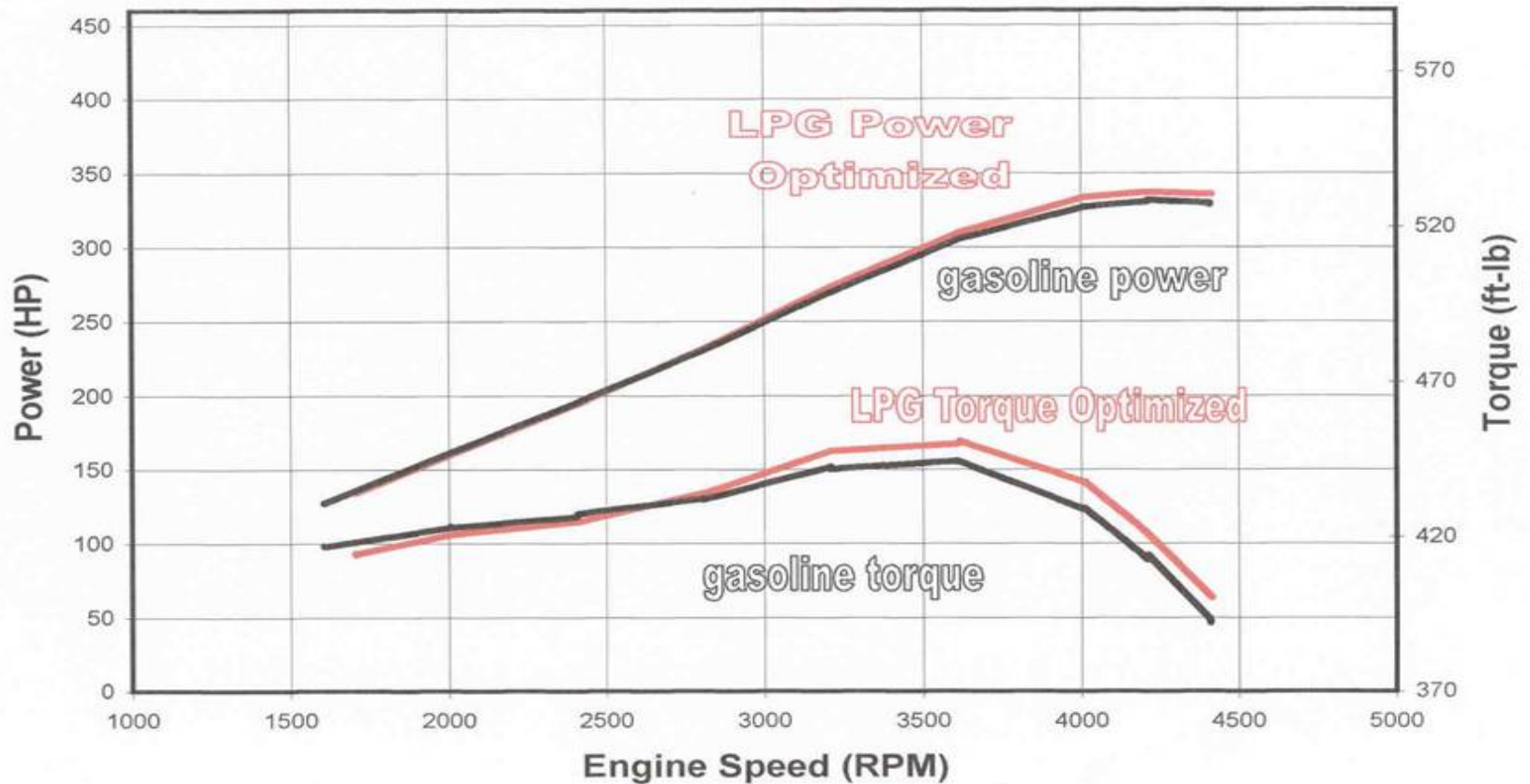
(Effective December 31, 2005 – December 31, 2008)

Volumetric Excise Tax credit

(Effective October 1, 2006 – September 30, 2009)

# Strong Performance

GM 8.1 Liter Engine Full Load Comparisons



# Propane-Powered Vision



# C5500 Dump Truck



# Cutaway Bus



- Airport Shuttle
- Dial-a-Ride
- Parking Lot Shuttle
- City Bus
- Rental Car Shuttle
- Limousine Service
- Senior Homes

# Ground Support Equipment

GSE such as service vehicles that travel along the tarmac.



Propane-powered airport tugs.  
A 50¢-per-gallon tax credit  
plus a soft spot for the environment.

Propane tugs are powerful. They work longer. Burn clean. And they perform indoors and out, inclines or declines, rain or shine. Plus, through the Safe, Accountable, Flexible and Efficient Transportation Act of 2005, the federal government has created a 50¢-per-gallon tax credit for alternative fuels including propane. Which means that not only will your propane tug help make your airport and the environment cleaner, it will help lower your operating costs. To learn more, call the Propane Education & Research Council at 202-452-8975 or visit [usepropane.com/fuelcredit](http://usepropane.com/fuelcredit).

- *Tugs*
- *Tractors*
- *Baggage carriers*
- *Baggage belt loaders*



PROPANE POWERED TUGS. FOR THE LONG HAUL. VISIT [USEPROPANE.COM/FUELCREDIT](http://USEPROPANE.COM/FUELCREDIT)

**PROPANE**  
ESSENTIAL ENERGY®



# Riding Mowers

## Dixie Chopper

## EnviroGard



- Vapor
- Custom built vapor forklift cylinder with baffle
- Run time 1 hour per gallon
- 60" cut
- \$11,200



- Liquid
- Standard Forklift cylinder
- Approx. 1.7 gallons per hour
- 60" cut
- 15 MPH mow speed
- \$12,000



# 2009 and Beyond





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