



Clean Energy[®]

North America's leader in clean transportation

CNG and Refined Biogas for Truck Fleets in North America

APCAS Conference, Montreal, QC

April 24, 2008

Key Points

Natural Gas as a Transportation Fuel is:

- The Cleanest Available Fuel
- Affordable & Lower Cost than Diesel
- Domestically Produced
- Renewable → Biogas

Natural Gas Medium- & Heavy-Duty Trucks:

- Are Readily Available Today from OEMs
- Are Already Certified to 2010 EPA Standards
- Typically Have Lower Life Cycle Cost than Diesel Units
- Can Reduce Fuel Costs by 30%

The Challenges



- Infrastructure Costs: high capital cost
- Station Operation & Maintenance: not a fleet core competency
- Fuel Supply Reliability & Operational Feasibility: Blending pipeline gas with biogas ensures 24/7 fuel supply for continuous fleet operations
 - Biogas technology reliability
 - Biogas fuel specification consistency
 - Biogas source volumes
- Fleet Growth: virtually unlimited fuel capacity from pipeline supply

Fueling Infrastructure

- Infrastructure Expensive: \$1M +
- Clean Energy Will Provide 100% Capital
- Commitment to purchase trucks/ fuel
- Provide 100% Operation and Maintenance
- Finance Facility Upgrades
- All Inclusive Bundled Fuel Price
- Typical Fuel Savings: 30%
- Provide Public Access/Royalty if Feasible

Clean Energy can remove the barriers to implementation



The Benefits

- Emission Reductions: environmental & related health benefits
- Cost Savings: lower fuel cost offsets incremental vehicle cost; vehicle maintenance costs now similar
- Local Fuel Supply: community asset rather than liability
- Fleet Growth: various fleet vehicle options to maximize benefit
 - Refuse & recycling
 - Street sweepers
 - Transit bus
 - Airport & hotel shuttles; taxis

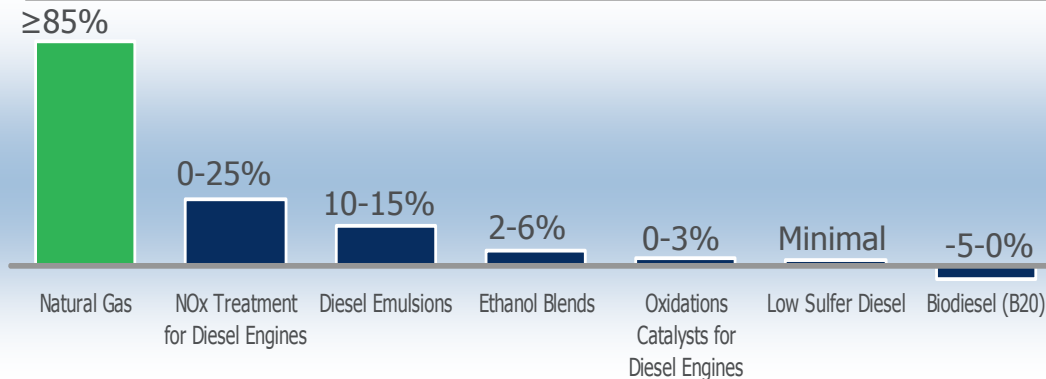


Natural Gas is Renewable and Sustainable!

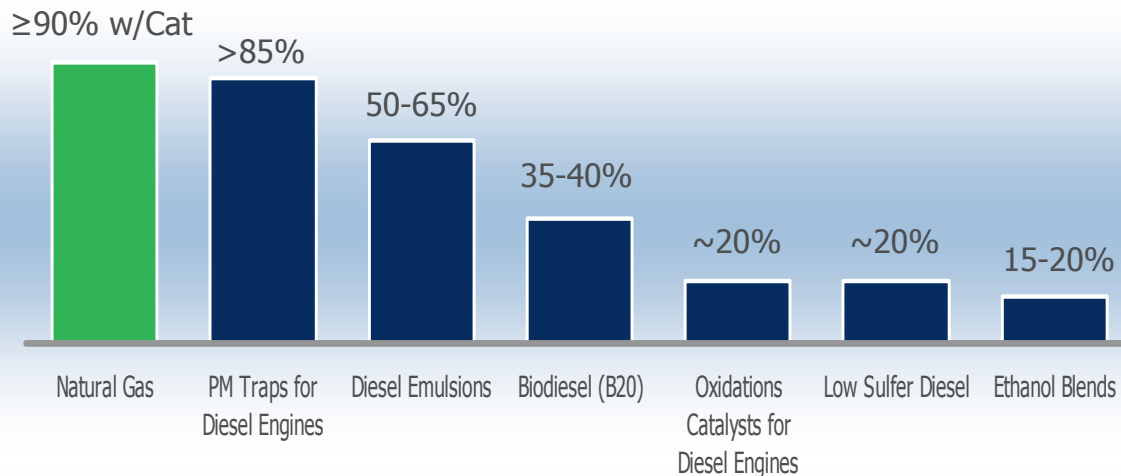
- NG is 90-99% Methane
- Renewable Forms of Methane are now becoming available: Biogas / Biomethane
- Landfill Gas, Sewage Treatment Process Dairy Farms, Biomass, Etc.
- CNG Stations can be modified to produce or blend CNG, RNG, HCNG or H2 from a single fueling station
- Iceland powers 100% NGV Bus Fleet with Biomethane
- Regie de Gestion des Matieres Residuelles de la Mauricie - potential CNG/RNG project



NOx Reduction: Less Smog



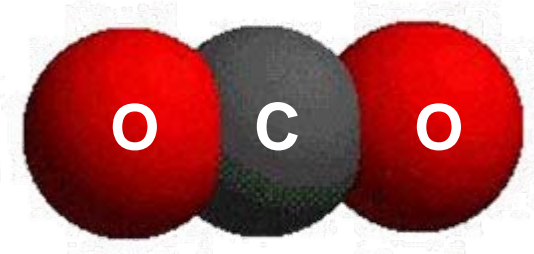
PM Reduction: Less Soot



Greenhouse Gases

CEC's Well to Wheels Study

- 23% GHG reduction compared to diesel fuel
- 30% GHG reduction compared to gasoline fuel

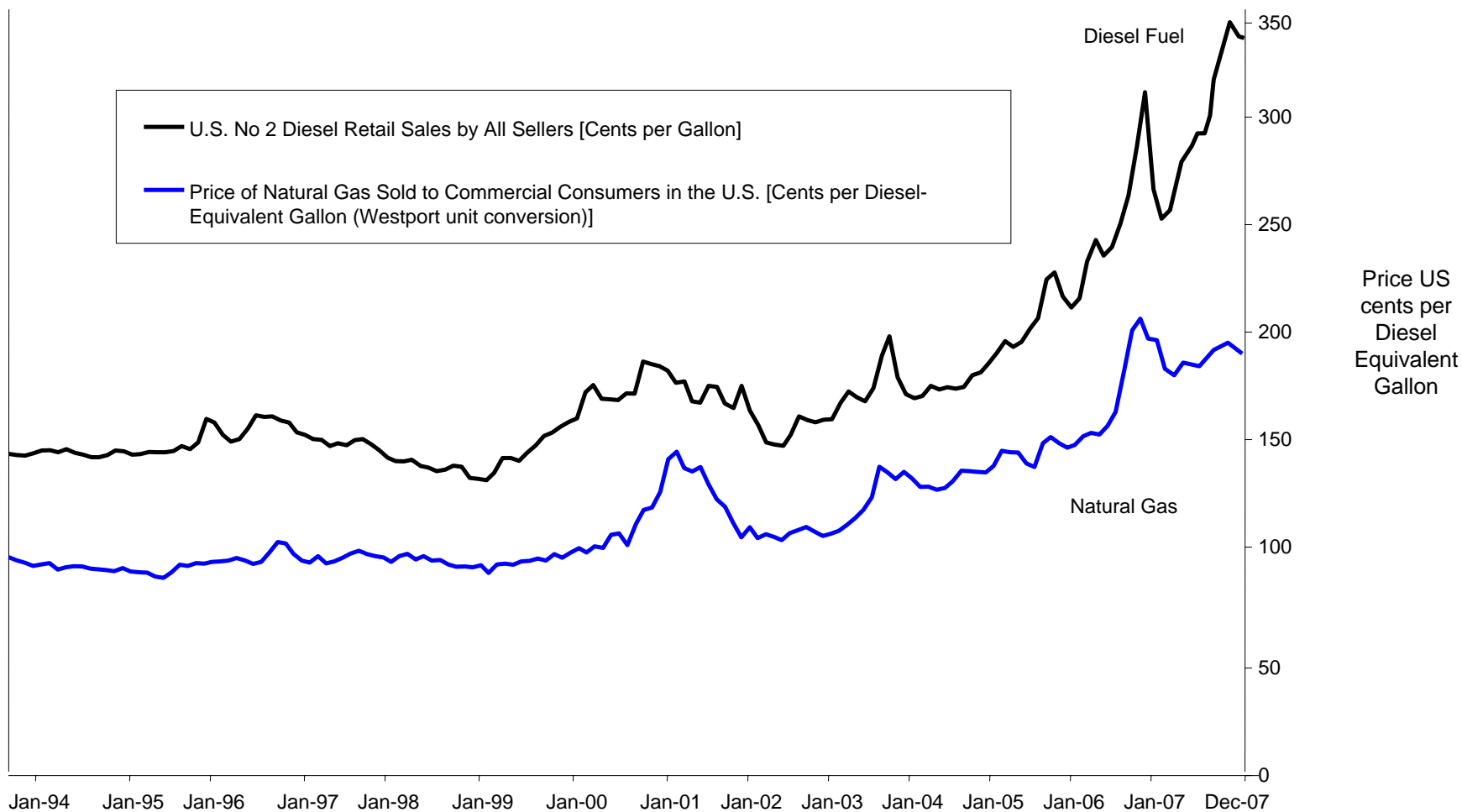


Source: South Coast Air Quality Management District 2007 Air Quality Management Plan Summit Panel

Price History for Diesel Fuel and Pipeline NG



Natural gas cost averages 25- 42% less than Diesel



Clean Energy's Role

Evaluate

- Does NG Make Economic Sense?
- Information on all New Products: Engines, Trucks, etc.
- Organize Station Tours, Demo programs, Etc.

Implement

- Design, Build, Operate, Maintain Fueling Stations
- Provide 100% Fueling Station Capital Cost
- Provide 100% Operation & Maintenance
- Fleet Commits to purchasing NG trucks and fuel
- Long Term All Inclusive Fueling Rate below Diesel

Support

- Grants, Funding, Dealer Support for Vehicles
- NGV Maintenance Certification and Fuel Training
- Education & Public Relations

Clean Energy – Who we are



Turnkey Services

- Design, build CNG/LNG fueling stations
 - RNG & HCNG also
- Station Operation & Maintenance
 - 24/7 On-call local service techs
- Vehicle financing
- Grant writing services
- Long Term Fixed Price Fuel Contracts
- LNG production & delivery (USA) for heavy duty vehicles



Clean Energy – Who we are



Industry Leading Statistics

- 180+ CNG/LNG stations across North America
- Over 14,000 customer vehicles fueled daily
- 73 MM gallons in 2007

Background

- Founded in 1997 as PFC became Clean Energy in 2002
- Publicly traded as CLNE on NASDAQ



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