Propane

A "New" Option



Industry Revival



- Two organizations that are unifying the industry
- New marketing efforts
- Superior products
- Higher oil prices

Just When You Think It Can't Get Worse...





2:4

...It Does!





Propane Industry



Propane Education and Research Council

PERC Promotes safe, efficient use of odorized propane through investments in research, safety and consumer initiatives (created 1998)

National Propane Gas Association

Membership is comprised of small businesses and large corporations engaged in all segments of the industry from retail marketing and appliances to manufacturers of equipment

Propane Industry



Goals of PERC

- Improve consumer and employee safety
- Fund research and development of new and more efficient propane equipment
- Expand public awareness of propane and its many uses and benefits
- Help ensure success of our partners

Outreach Efforts



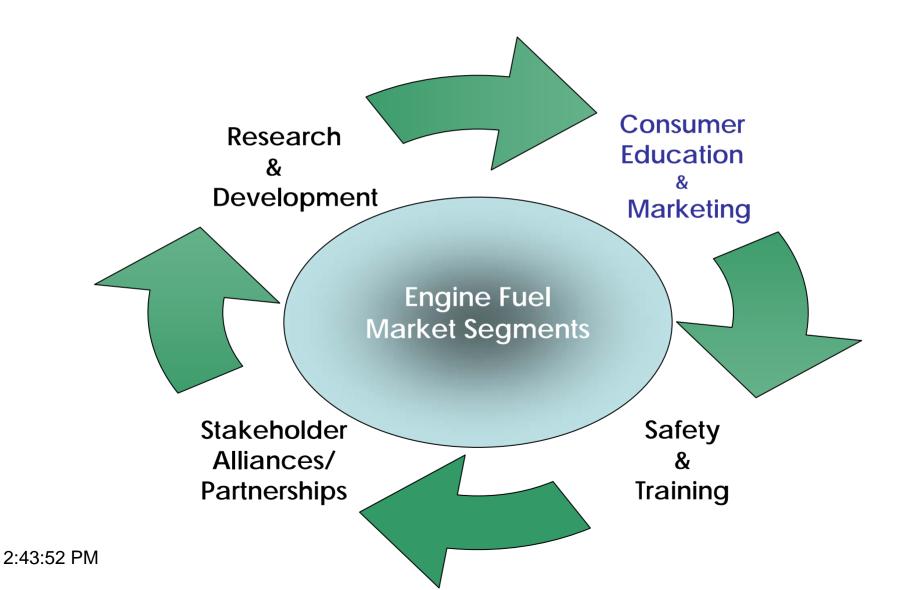
Brian Feehan
Aka, "Dr. Evil"
Managing Director
Engine Fuel Programs

Greg Zilberfarb
Aka, "Mini-me"
Commercialization and
Outreach Manager





Engine Fuel Advisory Committee







Production

Occurs naturally in natural gas and crude oil production

90% domestically produced

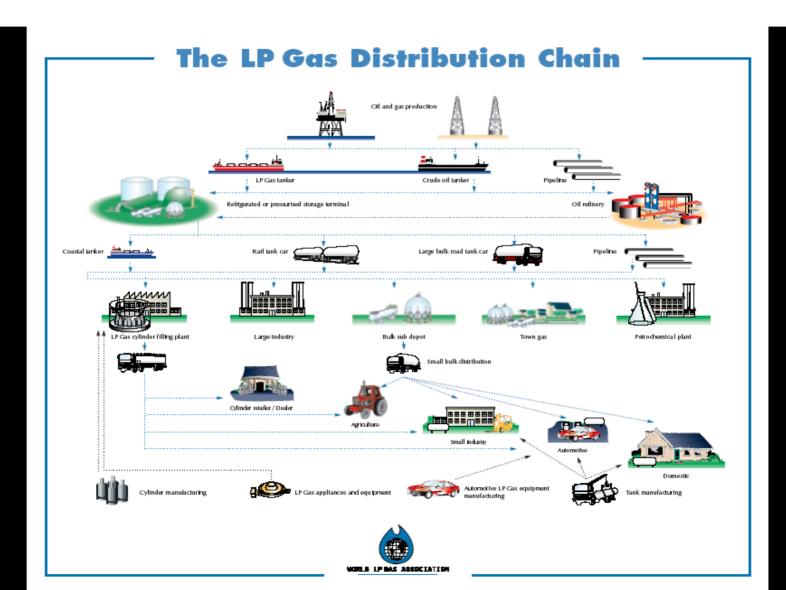
Service Orientated Industry

Specialized in serving client needs

Many family owned and operated businesses that provide superior customer service

Propane Distribution





Products









Propane forklifts.
Cleaner, greener and ready for tomorrow.

- Forklifts
- Mowers
- Ground Service Equipment
- Light Duty Trucks
- Medium Duty Trucks
- School Buses





Forklifts



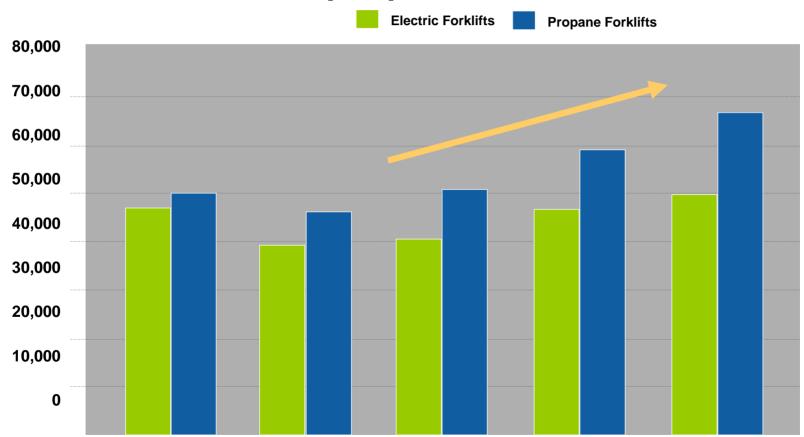


Propane forklifts.
Cleaner, greener and ready for tomorrow.

Forklift Trends



6% increase in propane forklifts 2006



Forklifts



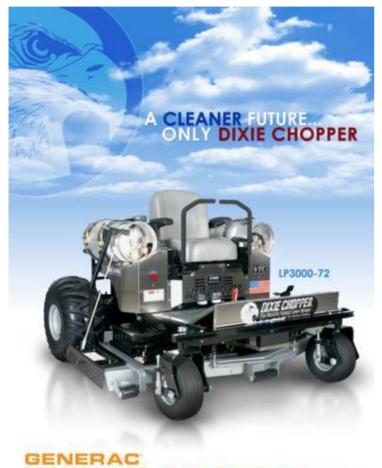
The initial total investment required of a propane forklift is lower than comparable electric or diesel-powered forklifts, and they are cheaper to operate and maintain.

-AND-

Propane forklifts qualify for the \$0.50 per gallon energy tax credit.

Propane Lawn Mowers











Off-Road Topline Results



Commercial Mower

 Supported OEM marketing efforts with media campaigns to promote propane commercial mowers

Standby Generators

- Built productive relationships with OEMs (i.e., Generac, Briggs & Stratton)
- Coordinated efforts with PERC Builder and Homeowner Subcommittees
 - Earned media reach exceeded 30 million people
 - 30-second commercial aired in the fall of 2006





Tug Technologies GSE 4.2L Engine Development Program

- OEM development program
- Ford Industrial 2007 4.2L engine
- US EPA & CARB certification
- Dedicated propane
- Tugs qualify for \$0.50 tax credit!
- Pending Final Contract Approval



New Roush Dedicated Propane F-150





FUEL RAIL



- System is a return system.
- Integrated Pressure/temperature sensor mount is required.
- Built in service port on rails for evacuating pressure in lines or measuring pressure.
- Siemens DEKA II Injector bottom feed injector
- 200 250 psi working pressure

System and seals compatible with HD-5 Propane



Tank Options

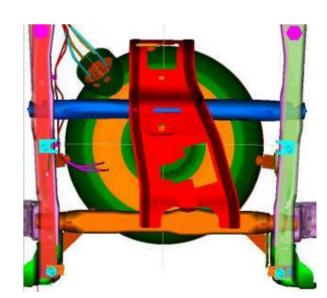


65 Gallon (50 usable)
In-Bed Tank



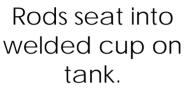
24 Gallon (20 usable) Toroidal Tank

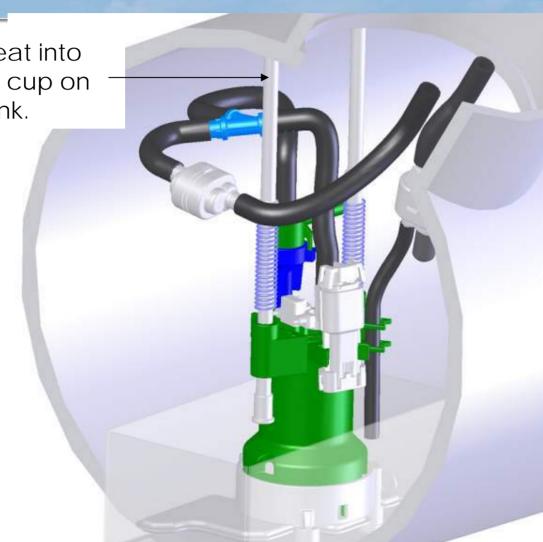




FUEL PUMP INSTALLATION







Multivalve assembly (not shown but occupies space within "ring") is used to seal the tank and to allow pass through of hoses and wiring

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Note: Fuel level sender not shown

Program Update



- Vehicle Launch any day now
- Manufacturing capacity upgrade investment
- Sold with other ROUSH RPP products
- Multifaceted marketing program established



Roush F-150 Program



E-Newsletter

Texas Road Show (August 2007)

- Austin
- Dallas-Fort Worth
- Houston
- San Antonio
- El Paso

Demo Vehicles



Propane F-150 E-Newsletter



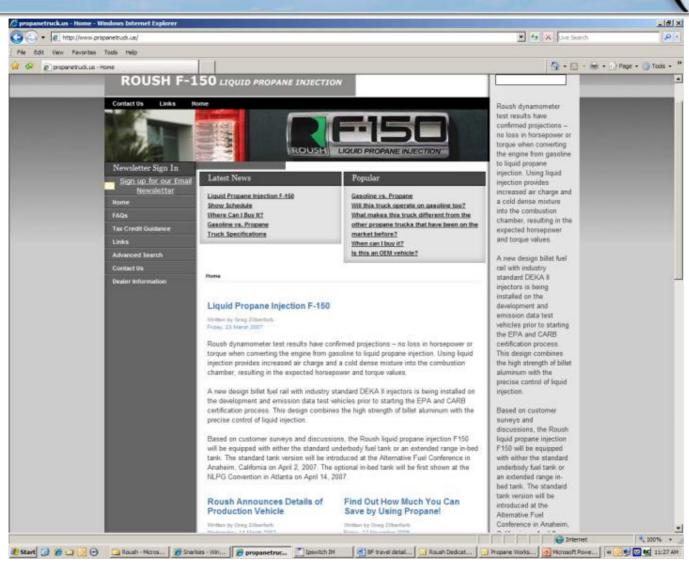
ROUSH.

Hay 1 2007	NAFA Workshop Just Announce
Roush Dedicated Propane F-150 Newsletter	
in this issue	Dear Brian.,
Show Schedule Propage Workshop at NAFA Conference	JUST ANNOUNCED! An exciting Propane Workshop has been added to this year's NAFA Conference. Join us Saturday, May 5th from Noon - 2:00 pm for a free and informative session on propane and see how easy it is to incorporate propane powered vehicles into your fleet.
Show Schedule	We'll even provide a free lunch!
If you can't join us this Saturday, you can see the Roush Dedicated Liquid Propane Injection F-150 at the following shows. WPGA (Western Propane Gas Association) Convention & Trade Show 5/18/2006 - 5/20/2006 in Reno, NV TPGA (Texas Propane Gas Association) Convention & Trade Show, Austin, Texas August 5-8, 2007 Find out more Quick Links Calculate your fuel savings using propanel Propane Vehicle Incremental Tax Credit Propane Fuel Tax Credit Propane Fueling Infrastructure Tax Credit	Propane Workshop at NAFA Conference Propane Propane Industry is introducing several new dedicated propane-powers vehicles this year all using Liquid Propane Injection (LPI) technology? LPI technology provides power, performance and clean emissions! You will hear presentations on the net Vision school bus built by Blue Bird Corporation, a GM 8.1 LPI medium duty engine platfor and a Roush F-150 LPI truck built by Roush. Additionally, you will hear about new propane off-road products including commercial law mowers and forklifts and we'll show you how economical it is to fuel and use clean burning propane!
	Those in attendance will have a chance to get a close look at the Roush F-150 LPI, whi will be will be on display during the workshop.
Join our mailing list! 1101490684210 oi Join	Attend this workshop to find out how propane is the right option for your fleet.
	Please RSVP to Mary Cetrone at mctrone@asgren.com if you are planning to attend the Propane Workshop and Luncheon. LPI is a trademark of CleanFuel USA
email: greg@propagetruck.us phone: 703-779-4890	

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Roush F-150 Website





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NASCAR/Builder Program

- Host PROPANE Exceptional Energy® and Roush sponsored hospitality tents at NASCAR events NASCAR Race Dates Proposed:
 - Texas motor speedway
 - California motor speedway
 - Atlanta motor speedway

Promote Roush at other key events

(e.g., Clean Cities, state fairs)

Marketing and Advertising Materials

 Work with Roush to develop print advertising campaign to reach fleet managers and buyers – make campaign available through "Partnership with States" program

Media Coverage











The Ford Truck And Suv Resource





















Cummins B5.9 LPG Plus



OEM Availability

School / Shuttle / Transit

El Dorado National Bluebird

Refuse - Specialty

TYMCO (sweeper)

Ottawa (yard spotter)

Medium-Duty Chassis

Freightliner Custom Chassis



Working on exhaust treatment to update emissions.

GM 8.1 L LPI System













GMC 4500-8500

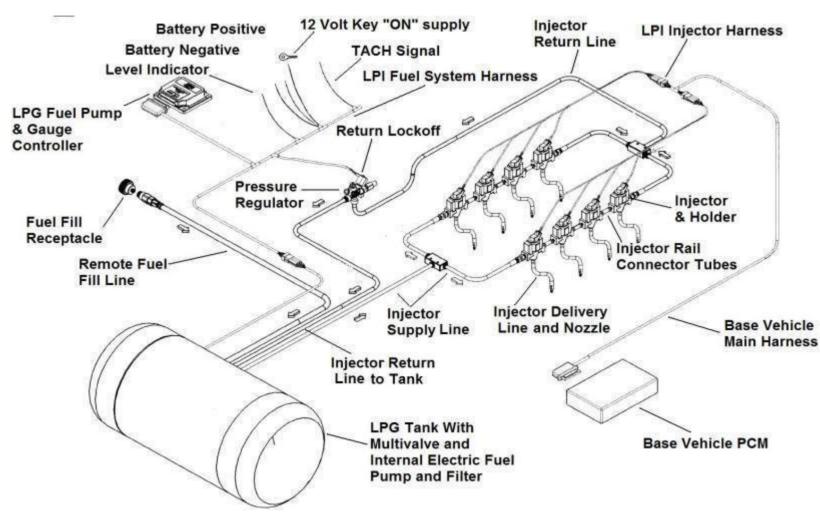






Quality Engineered







"LPI Delivers Propane to the Intake Port as a Liquid"

Benefits:

- Vaporization occurs at the intake port, cooling the air/fuel charge and increasing air/fuel density providing power equal to or better than the gasoline engine equivalent.
- Vaporization creates a cooling effect reducing valve and upper cylinder temperatures and prolonging engine life.
- Heavy End fallout from the fuel during vaporization provides valve and upper cylinder lubrication.

New Blue Bird Propane Vision

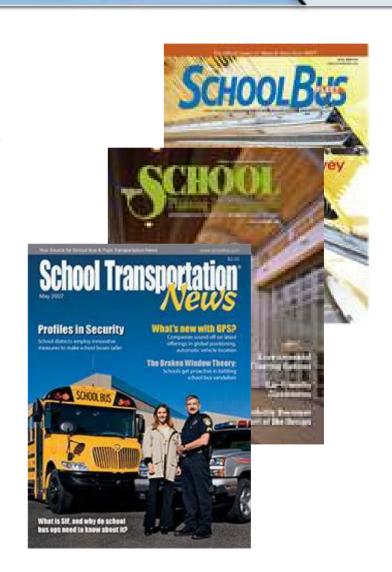




Blue Bird Marketing Program



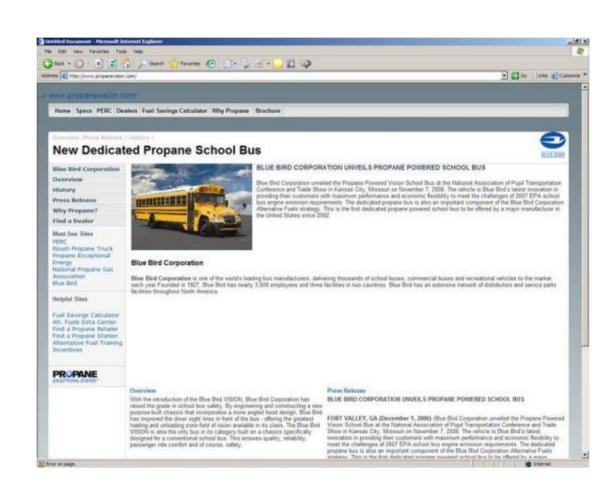
- Deep Dive Analysis
- Texas Road Show (August/September 2007)
- 3. Media Coverage
 - School Transportation News
 - School Bus Fleet
 - School Planning & Management



Joint Marketing Activities



- Literature
- Print Advertising
- Trade Shows
- Web
- Demos
- Others



Blue Bird - Propane Powered Vision Launch Kit



Overall Elements to include:

- Back to School Backpack with Bus and Propane Exceptional Energy logo
- Back to School Lunch Box with Bus & Propane Exceptional Energy logo
- Dealer Kit (3-ring binder)





The kit will consist of various sections

Section 1: Overview

- Intro letter by Blue Bird
- Program Overview History
- Infrastructure
- Competitive Landscape for Alternative Fuels





Section 2: About Propane

- Why Propane?
- Fact Sheet: Propane A Safe Fuel
- Safety facts about propane in relation to the school bus
- Propane FAQ's





Section 3: Selling

- Pricing and strategies for selling
- Production plan update
- Four-page product brochure/pocket folder
- Tax credits & incentives
- Federal funding/grant options

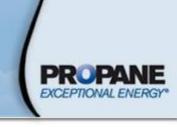




Section 4: Technical Specifications

- Product Overview
- Vehicle Components
- Specification Card
- Service Information
- Warranty Information





Section 5: Additional Resources
Contacts Page
CD

- To Include Photos, Artwork, Ads
- Sales Training Manual
- Data Book
- Brochure
- Specification Card
- Fleet Calculator





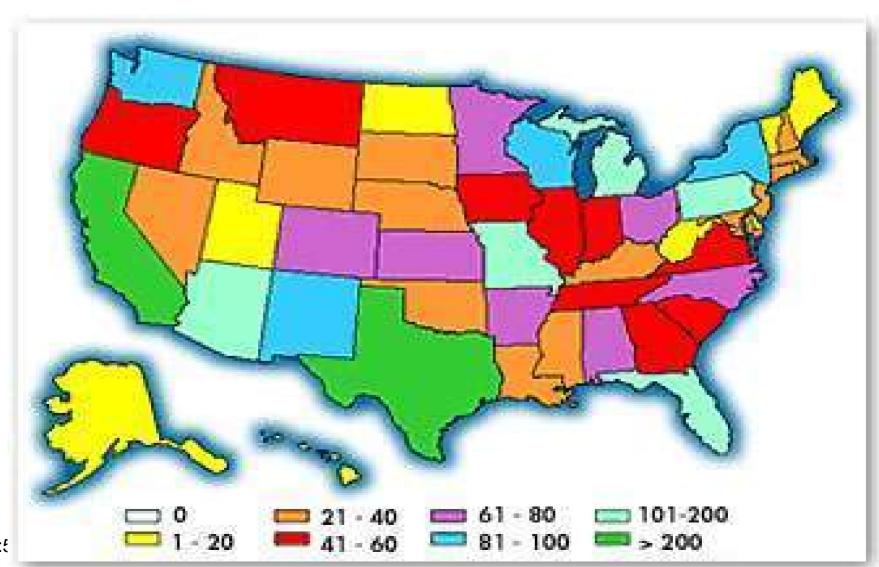
Blue Bird Vision 8.1L LPI

BLUE BIRD PROPANE VISION SPECIFICATIONS**	
Engine	333 hp @ 4400 rpm
Torque	422 lbft. @ 3600 rpm
Transmission	Allison Automatic 2500 PTS
Fuel Range	Approx. 300 Miles
Brakes	Four-wheel, hydraulic and air brake systems available. Anti-lock brakes on all four wheels comes standard on all systems.
Tires	HR22.5G
Capacity	47 - 77 Passengers
Wheelbases	189 in 273 in.
Emergency Exits	As required by federal and state specifications.
Floor	Plywood subfloor over 14 gauge steel floor with rubber flooring and ribbed rubber aisle.
Accessories	 5 lb. Fire Extinguisher First Aid Kit Triangular Warning Device Body Fluid Kit

Propane Infrastructure



Over 2500 Propane Fueling Stations in the USA



Propane Infrastructure



- Economical and Cost Efficient
- Industry Partnerships
- Modern Fleet Management Systems
- Portable (as fleets change)
- Dispensers Placed at Customer Sites



Quick, Easy Installation



- System skids can be relocated
- Skid package reduces on-site construction costs and installation timing
- Small footprint:
 12' X 6'
 or a parking space



Two 1000 gallon propane tanks.

~\$25,000, \$35,000 with Fuel Management

Public Access Stations









- Domestically Produced
- Environmentally Friendly
- Clean Emissions
- Safe
- Economically Efficient
- Infrastructure Availability
- Performance Characteristics (range/power)
- Vehicle Options

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