



Blue Bird Propane-Powered Type C Vision[®] School Bus

Detroit, MI

November 13, 2008

BLUE BIRD Propane-Powered Type C Vision[®] School Bus

- Welcome and Good Afternoon
- The Blue Bird Propane-Powered School Bus, Ron Smith, Director-Marketing, Blue Bird
- LPI for School Bus and Medium Duty Trucks, Al McFadden, SVP CleanFuel USA
- Actual School Bus Use, Rick Windermuller, Holland Bus Company



BLUE BIRD

Product Development Strategy

- Dedicated to Meeting School Transportation Needs by Providing the Solutions Customers Want Amidst Changing/Evolving Markets
 - The Blue Bird Vision is a response to the need for improved sightlines and a dedicated Type C school bus product
 - Multiple engine platforms offered across entire product line including Cat & Cummins Diesel, Cummins CNG, and now Propane



Save the Planet & Save the Fuel

- Blue Bird has successfully integrated Propane into the Blue Bird Vision product offering
- The lowest incremental cost alternative fuel powered school bus
- Safe, Powerful, Clean, & Affordable



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Blue Bird's Propane-Powered Type-C Vision[®] School Bus



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Propane-Powered Vision



OEM Propane-Powered School Bus Development

- Key Players

- Blue Bird Corporation
- Propane Education Research Council (PERC)
- CleanFUEL USA
- Powertrain Integration



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Propane-Powered Vision

- Capacities: 47-77 students
- Wheelbases: 189"-273"
- GVWR Up to 31,000 lb.
- LPG Engine installation in partnership with Powertrain Integration;
- Low emission vehicle certification;
- 325 hp @ 4000 rpm
- Allison Automatic 2300 PTS Transmission
- Fuel Range: Approximately 300 miles



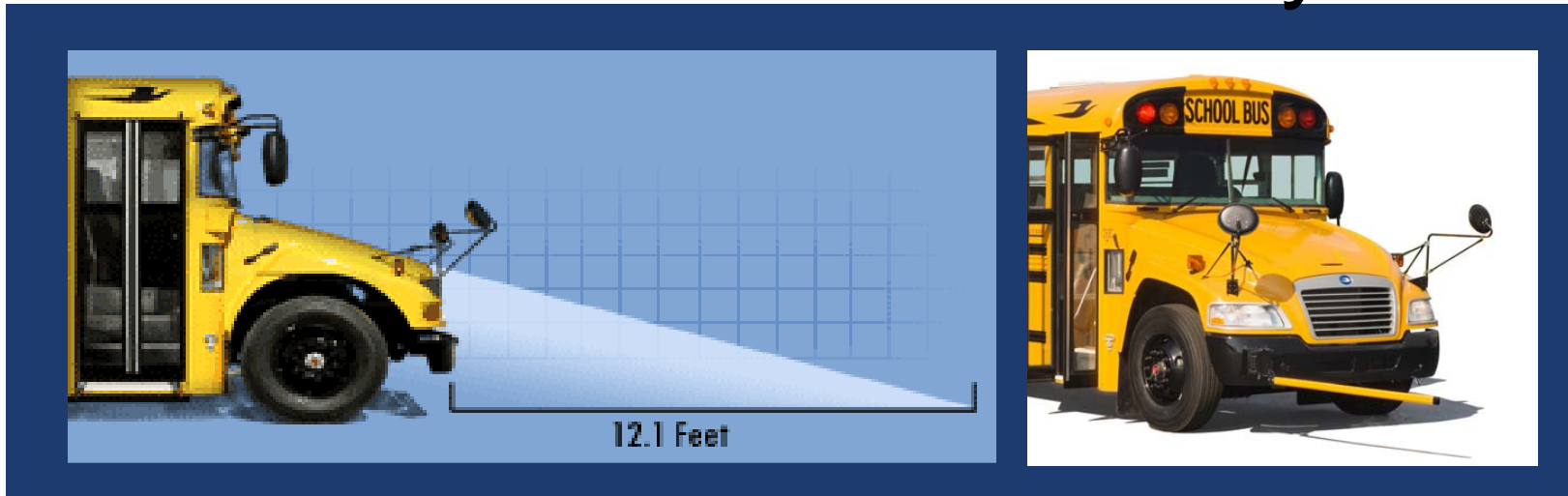
OEM Propane-Powered School Bus Development

- Only Full-Size, OEM Propane Offering in the School Transportation Industry
- Built to same, exacting standards as other Blue Bird products but with added benefit of running off liquid propane



BLUE BIRD

Angled Hood Design: “Best in Class” Visibility



- When it comes to safety, seeing is believing.
- The Vision driver's range of sight in front is over 12'
- Best forward sightline in industry in a Type C school bus



BLUE BIRD

Safety View™ Vision Panel



- Exclusive Blue Bird Feature
- Laminated Glass Panel Utilizing a Wide-Angled, Fresnel lens
- Provides Increased View of Critical Loading and Unloading Zone

Maneuverability: 50-Degree Wheel Cut



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Ergonomic Driver's Area



BLUE BIRD

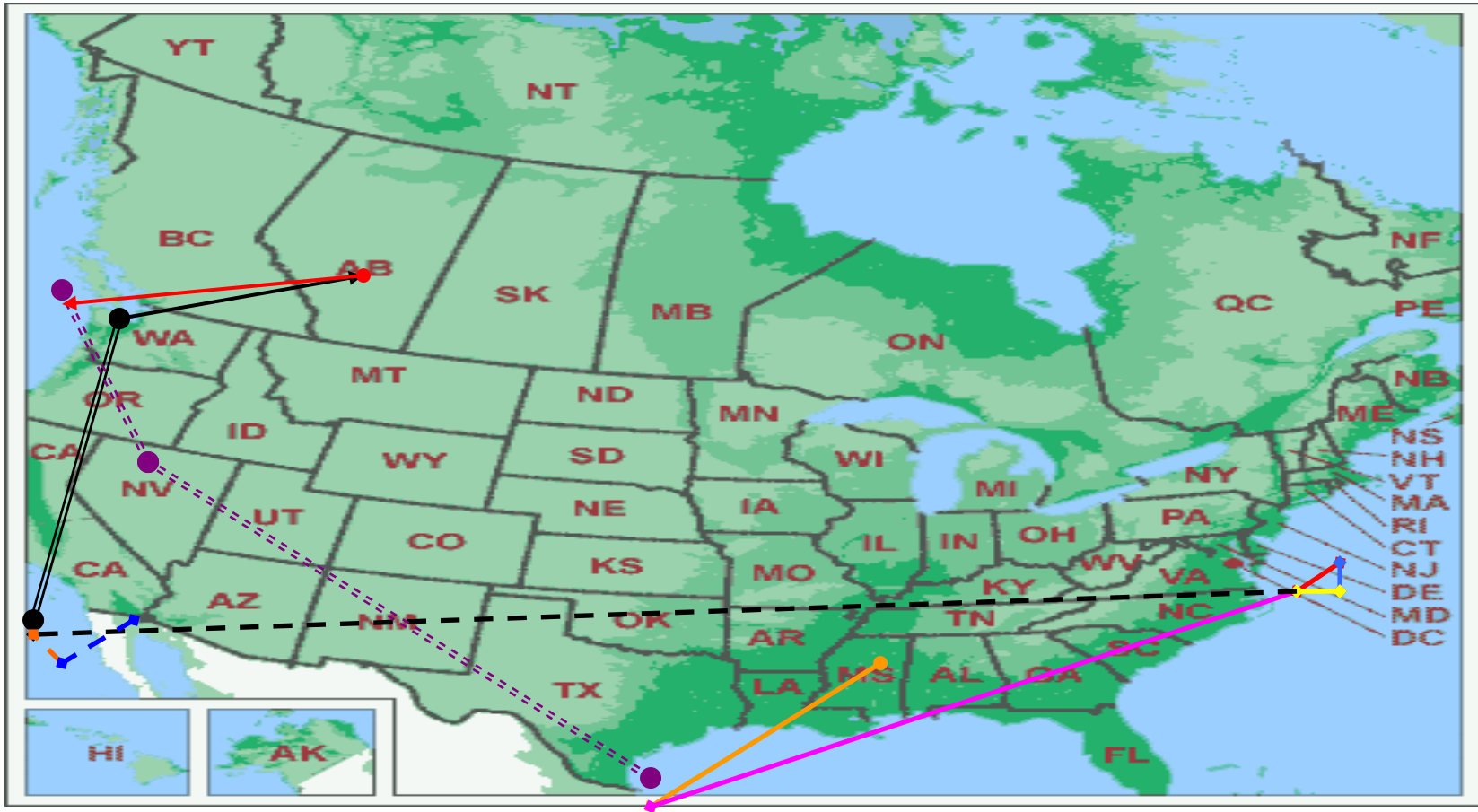
Propane-Powered Vision

- Tremendously successful demo program
 - Currently 8 Demo Buses Touring N. America
 - Outstanding Qualitative Feedback from “Ride & Drive” Events
 - Thousands of miles logged
 - Ride and Drive Requests up 160% in 2008
- Demo buses touring North America, including:
 - Texas - Maryland - Michigan
 - California - Missouri - Nevada
 - Arizona - Pennsylvania - Georgia
 - Alberta - British Columbia



BLUE BIRD

Propane-Powered Vision Demo Program



BLUE BIRD

Propane-Powered Vision: Fuel Savings

| Potential U.S. Fuel Savings with Federal Excise Tax Credit | | |
|--|--------------|---|
| Factor | Diesel: 1.35 | Vision LPI: .90 |
| Fuel/MPG | 8.6 MPG | 6.6 MPG |
| Annual Mileage | 15,000 | 15,000 |
| Gallons Used | 1,744 | 2,273 |
| Price/Gallon Federal Excise Tax Credit | \$3.29/gal* | \$2.03/gal <u>-\$0.50/gal</u> \$1.53* |
| Annual Cost | \$5,685* | \$3,478* |
| Annual LPI Savings | | 39% |

* Prices based on averages for Nov. 5th, 2008



Propane-Powered Vision: Fuel Savings

| Potential Canadian Fuel Savings | | |
|---------------------------------|--------------|-----------------|
| Factor | Diesel: 1.35 | Vision LPI: .90 |
| Fuel/MPG | 8.6 MPG | 6.6 MPG |
| Annual Mileage | 15,000 | 15,000 |
| Gallons Used | 1,744 | 2,273 |
| Price/Gallon | \$4.47/gal* | \$2.69/gal* |
| Annual Cost | \$7,796* | \$6,114* |
| Annual LPI Savings | | 22% |

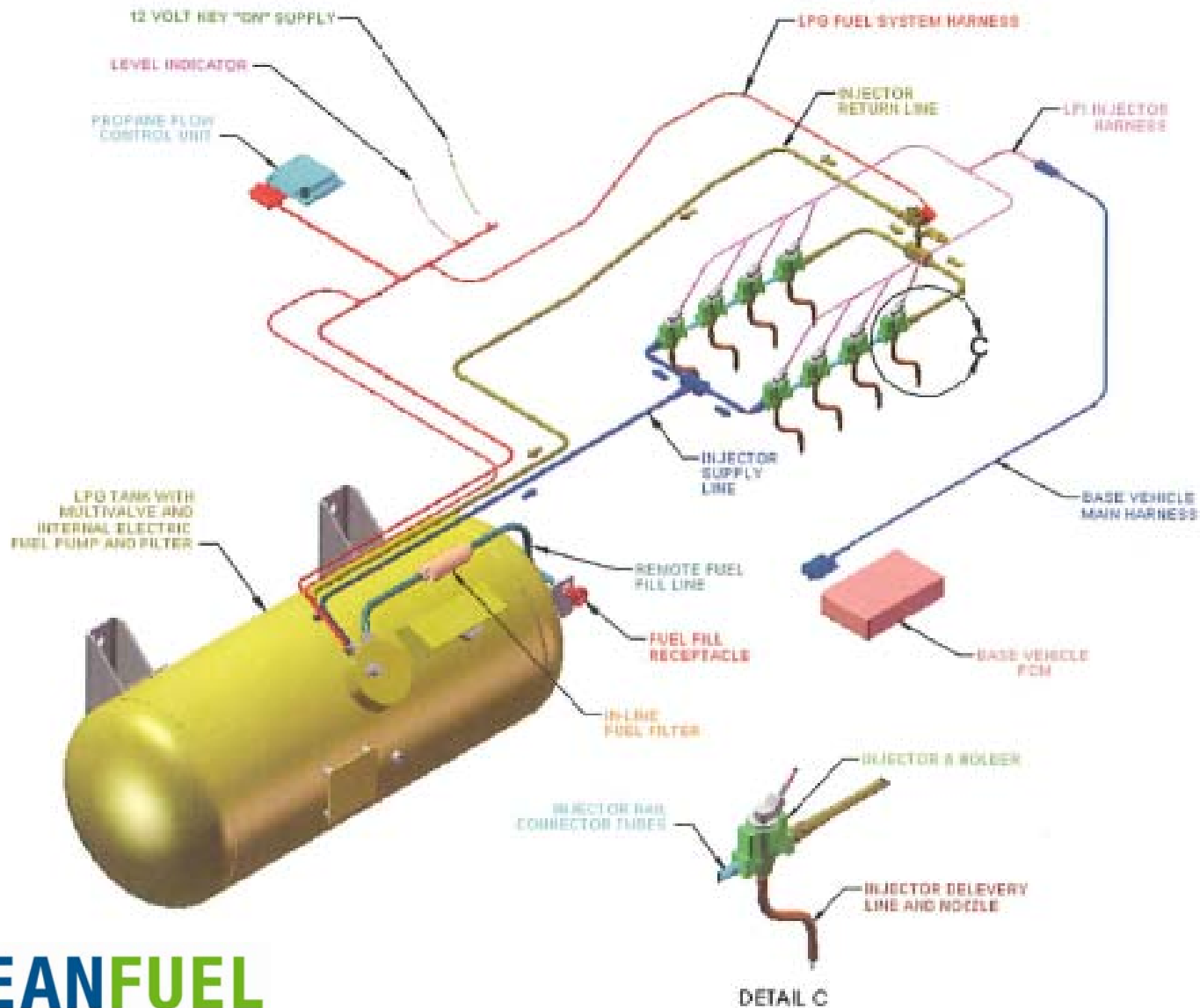
* Prices based on averages for Nov. 5th, 2008



“LPI is not your fathers Propane Fuel System”

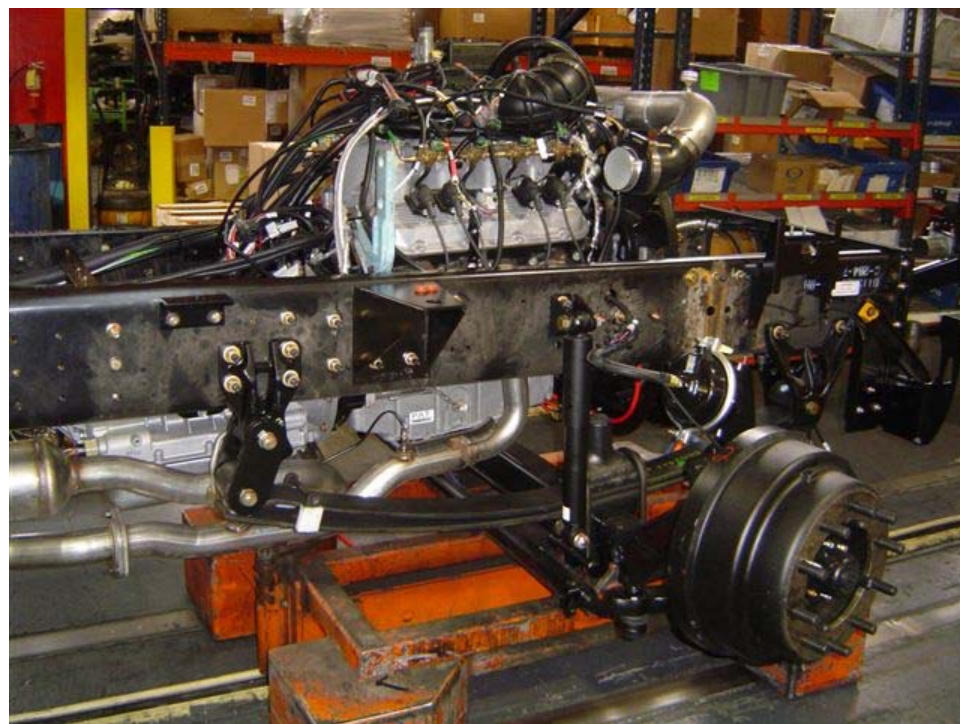
- ***State of the Art common rail design***
- ***Excellent Cold Start capabilities***
- ***Full GM engine diagnostics***
- ***Low Emissions***
- ***Good Fuel Economy***
- ***Simple***





GM Vortec 8100 LPI

- OEM Installed on at Blue Bird
- Supplied and Dressed by PTI
- Sold by Blue Bird Dealers



Safe

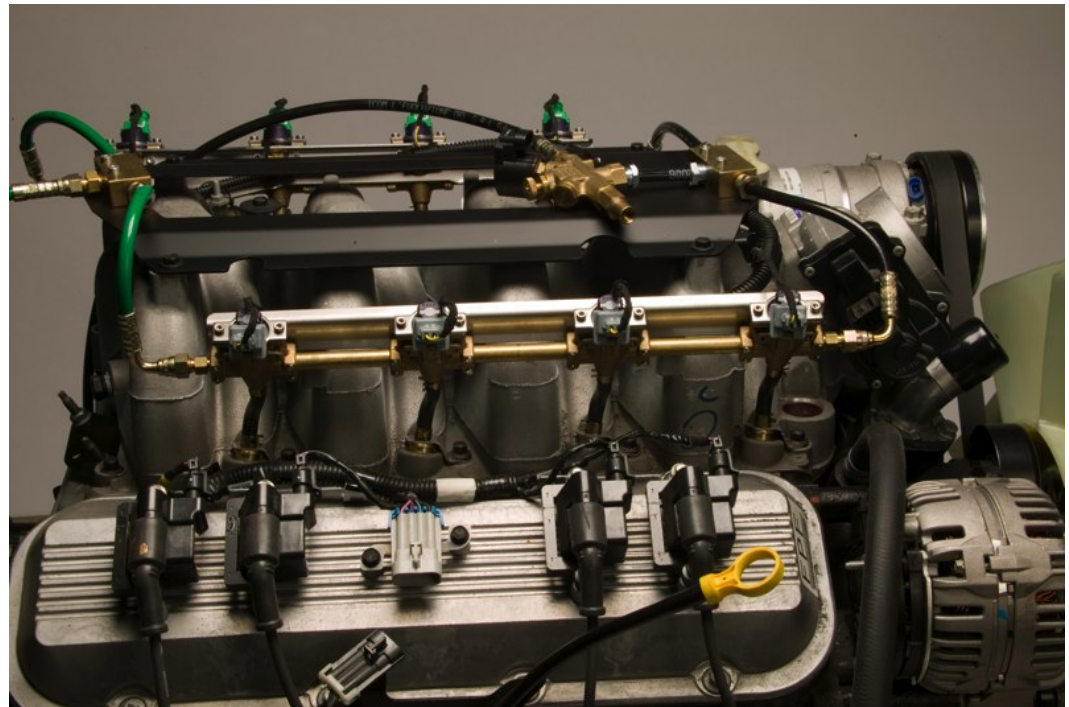
LPI Fuel Lines

- 350 PSI Working Pressure
- 1750 PSI Burst Pressure

Fuel Rails

- 3,000 PSI Working Pressure
- 16,000 PSI Burst

NFPA 58 Compliant



Safe

LPI Fuel Tank

- 60 Gallons Capacity
- Carbon Steel
- ASME Certified
- 312 PSI Working Pressure
- 5X WP Burst Pressure
- (16) Mounting Points not (4)
- Crash Cage



Crash Test



Safe

Crash Test

- 4,000 lbs @ 40 MPH
- Angled Side and Rear Impact
- 220 PSI Tank Pressure
- CMVSS 301.1 Protocol
- No Leakage or No Pressure Drop in 30 Minute Test



CF-USA Provides a Complete Alternative Fuel Solution

- Vehicle Fuel Systems
- Fueling Infrastructure
- Fuel Management
- Fuel
- www.cleanfuelusa.com



In Summary: Fit for School Bus Market

- Provides a safe, attractive and viable fuel choice amidst rising diesel fuel prices
- Lowers operating and maintenance costs
- Utilizes a domestically produced fuel
- Meets all School Bus FMVSS & CMVSS, including CMVSS 301.1 Fuel System Integrity for Liquefied Petroleum Gas
- Meets EPA Emission Requirements for the 2010 production year
- Builds off an established propane distribution network of 15,000 public/private retail outlets in the US and Canada for easy infrastructure solutions
- Don't have to sacrifice performance for alternative fuels - performed excellently during demo "ride and drives" and first school usage including cold starts and steep hills

