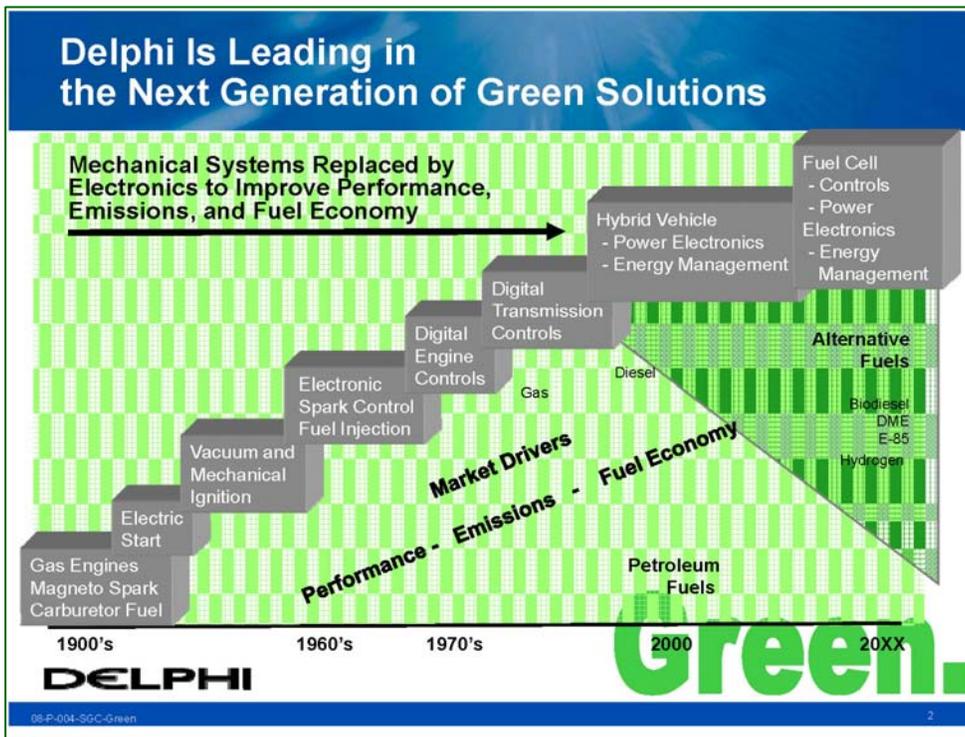


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DOE Implementation of
 Advanced Technology Vehicle Loan Program

October 17, 2008
 Washington, DC



Delphi Portfolio of Green Solutions

- **Fuel Economy and Performance Technologies**
 - Cylinder Deactivation System
 - Two-step Valve Train with Dual Independent Cam Phasers
- Reman ECM/PCM
- Universal Reflash Tool
- Alternative Fuel Systems/Components
 - Fuel System for Dimethyl Ether
- Evaporative Emissions Canisters
- Diesel Fuel Injection Systems and After-treatment
- Gasoline Direct Injection
- Next Generation Energy Efficient A/C
- HVAC Compressors
- HVAC Systems for Alternative Refrigerants



- Electric HVAC Systems
- Hybrid Electric Vehicle Technologies
- Hybrid Vehicle Electrical, Electronics, Components & Integration
- Power Conversion Products
- High Voltage Battery Pack System Ammonia, Planar Oxygen & Battery IVT Sensors
- Electronics Packaging
- Optimized Electrical/Electronic Architectures
 - Electrical Centers
 - EED Systems
 - Connected Systems
- Navigation
- Ultra-light Radio

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3

Creating a program that incorporates maximum technological and energy efficient benefit

- **Inclusion of suppliers as eligible for loan – Today's R&D=Tomorrow's jobs:**
 - Over 40% of the automotive R&D and originates in the supplier community.
 - Suppliers directly employ 783,100 U.S. workers and contribute to 4.5 million private industry jobs across the country.
- **Resources in evaluating technologies eligible for loan funding:**
 - NRC "Assessment of Technologies for Improving Light-Duty Vehicle Fuel Economy" be used.
 - The NRC/ FreedomCAR & Fuel Research Program, Phase 2 can be a good resource on the state of technology for the automotive industry.
- **Including supplier technologies in 25% fuel economy calculation (Sec. 136 (a)(1)(C))**
 - We need to find a way to include advanced technology fuel efficient components which cannot by themselves meet the 25% threshold, but which are integral to OEM's meeting the new CAFE standards.
- **Loan criteria should contemplate the long-term nature of large advanced technology projects in calculating the 30% threshold, allowing for front-loaded funding of early R&D and engineering costs.**
 - Research, development and engineering costs associated with introducing the product technology on vehicles should be fully credited in the criteria.
 - These costs should be fully covered at 100% for the conditions of the loan.

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