2005MY Product Portfolio

Michael P. Jones
2004 Clean Cities Conference
Ft. Lauderdale, FL

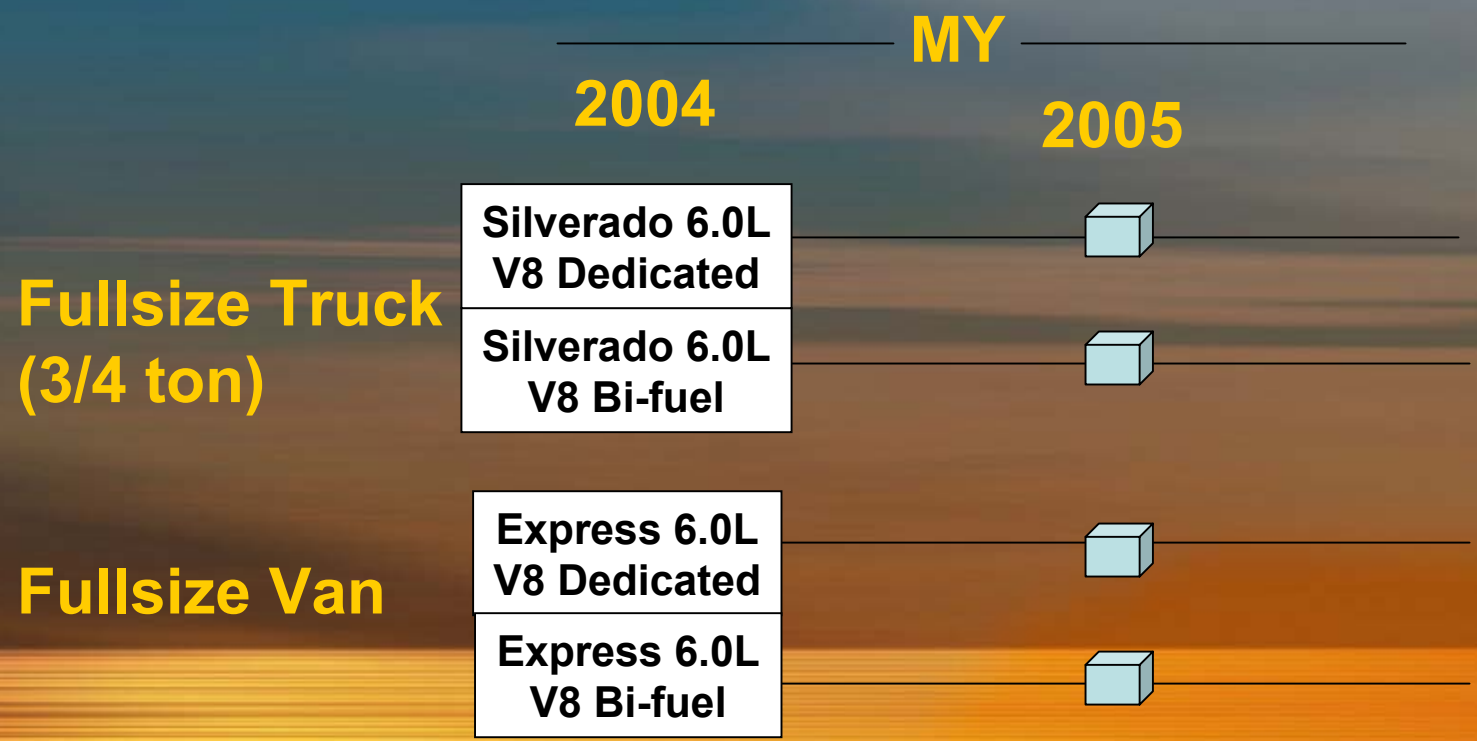
Alternative Fuel Vehicles

CNG & E85 Vehicles
Biodiesel
Clean Fuel Fleet Vehicles

Advanced Technology Vehicles

Hybrids
Displacement on Demand

NGV Portfolio



NGV Portfolio Changes for 2005MY

Fullsize Pickup:

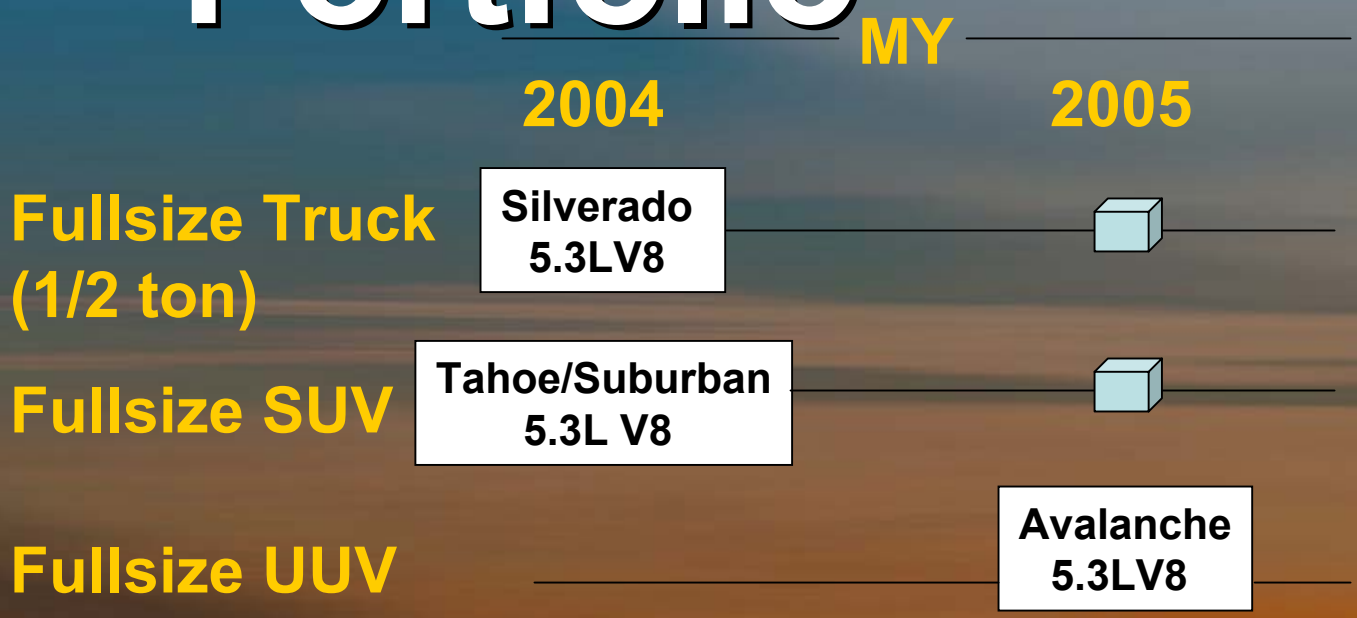
- Continued availability of C/K25903, C/K25953 and K25943
- Pickup box delete option only available on C25903

NGV Portfolio Changes for 2005MY

Fullsize Van:

- Return of 155” passenger van with Stabilitrak
  - 12 or 15 passenger
- No cutaway chassis
- No G23705 (dedicated or bi-fuel)
- No dedicated G23405
- Continued availability of G33405, G33705, G33406, G23406 and G23405(bi-fuel only)

E85 Vehicle Portfolio



E85 Vehicle Portfolio Changes for 2005MY

All Vehicles – 50 State Availability

Pickups:

Full-year production of:

- Manual 4x4 transfer case
- Extended Cab Long Box
- SEO becomes RPO

Utilities:

- Add Avalanche
- Add Tahoe Police Package

Clean Fuel Fleet Vehicles

CFF LEV Emission Certification

- **Continue to offer a variety of vehicles to meet this standard**
  - Including gasoline and diesel

New emissions tool on gmaltfuel.com

- **Ability to select vehicles by emission level**

www.gmaltfuel.com

Meeting Emissions Standards

Vehicle Type: Car

Fuel Type: Gasoline/Diesel

Emissions Requirements: Vehicles meeting California Emissions (YF5)

Qualifies As: LEV2 Only

Submit Query Reset Fields

Results

Model	Emission RPO	Engine	GVWR	Emission Standard Qualifies As (CARB)
Buick LeSabre	YF5	3.8L (L36)		LEV2
Buick Park Avenue	YF5	3.8L (L36)		LEV2
Buick Regal	YF5	3.8L (L36)		LEV2
Cadillac CTS	YF5	3.6L (LY7)		LEV2
Chevrolet Impala	YF5	3.4L (LA1)		LEV2

B5 Biodiesel

Approved: Duramax 6.6L Diesel

Chevy Silverado 2500 HD & 3500

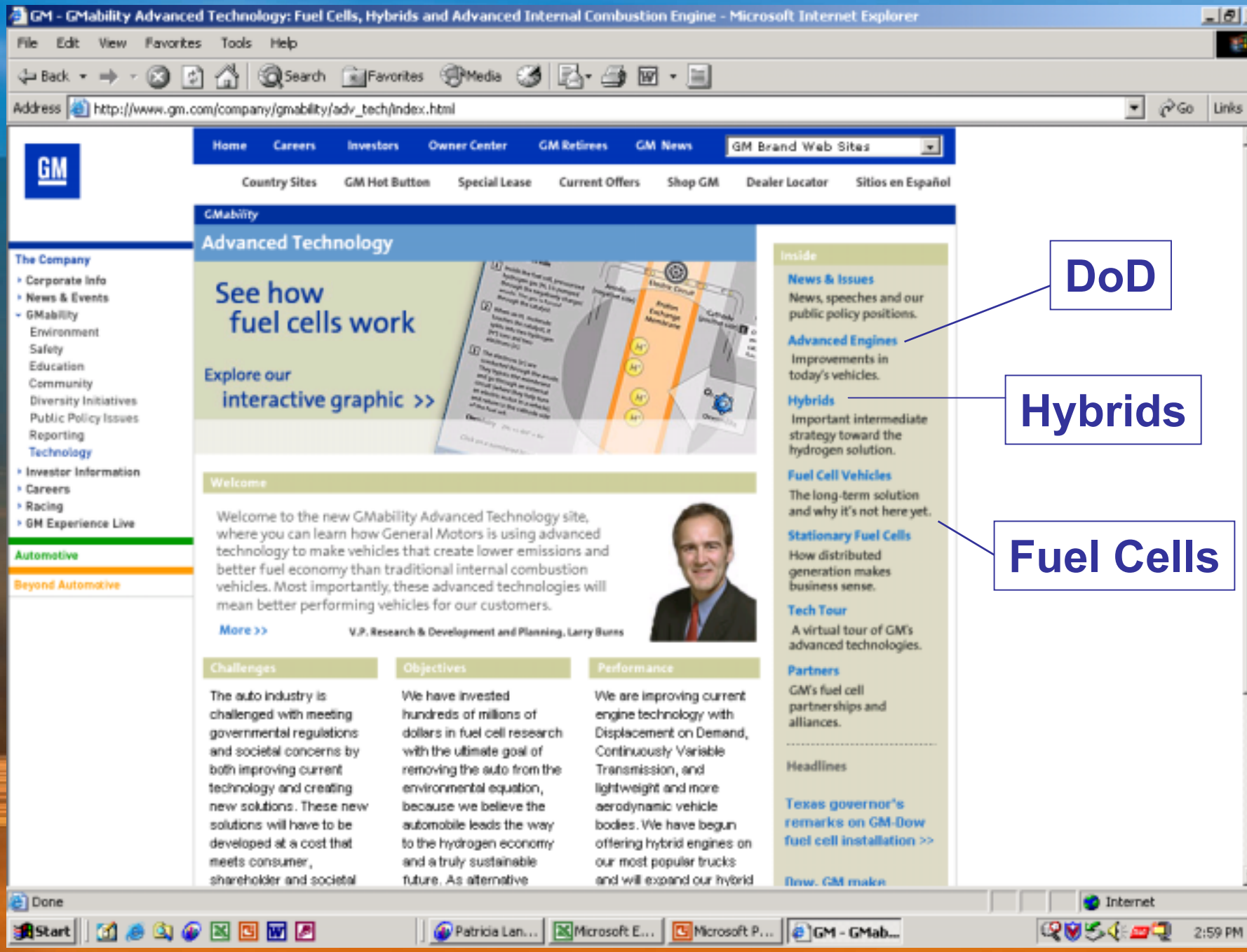
GMC Sierra 2500 HD & 3500

Chevy and GMC C4 & C5 series

Advanced Technology

www.gmability.com is ATV website

- Hybrids
- Displacement on Demand


GM - GMability Advanced Technology: Fuel Cells, Hybrids and Advanced Internal Combustion Engine - Microsoft Internet Explorer
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Back Search Favorites Media
Address http://www.gm.com/company/gmability/adv_tech/index.html
Go Links
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See how fuel cells work
Explore our interactive graphic >>
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News & Events
GMability
Environment
Safety
Education
Community
Diversity Initiatives
Public Policy Issues
Reporting
Technology
Investor Information
Careers
Racing
GM Experience Live
Automotive
Beyond Automotive
Welcome
Welcome to the new GMability Advanced Technology site, where you can learn how General Motors is using advanced technology to make vehicles that create lower emissions and better fuel economy than traditional internal combustion vehicles. Most importantly, these advanced technologies will mean better performing vehicles for our customers.
More >>
V.P. Research & Development and Planning, Larry Burns
Challenges
The auto industry is challenged with meeting governmental regulations and societal concerns by both improving current technology and creating new solutions. These new solutions will have to be developed at a cost that meets consumer, shareholder and societal
Objectives
We have invested hundreds of millions of dollars in fuel cell research with the ultimate goal of removing the auto from the environmental equation, because we believe the automobile leads the way to the hydrogen economy and a truly sustainable future. As alternative
Performance
We are improving current engine technology with Displacement on Demand, Continuously Variable Transmission, and lightweight and more aerodynamic vehicle bodies. We have begun offering hybrid engines on our most popular trucks and will expand our hybrid
Inside
News & Issues
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Improvements in today's vehicles.
Hybrids
Important intermediate strategy toward the hydrogen solution.
Fuel Cell Vehicles
The long-term solution and why it's not here yet.
Stationary Fuel Cells
How distributed generation makes business sense.
Tech Tour
A virtual tour of GM's advanced technologies.
Partners
GM's fuel cell partnerships and alliances.
Headlines
Texas governor's remarks on GM-Dow fuel cell installation >>
Done
Internet
Start
Patricia Lan...
Microsoft E...
Microsoft P...
GM - GMab...
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DoD
Hybrids
Fuel Cells

Silverado/Sierra Hybrid

Extended cab / short box

Features the same performance as the gasoline truck with the Vortec 5300

10-12% improvement in fuel economy

120 Volt, 20 Amp Electrical System

Four Auxiliary Power Outlets

Reduced CO_2 emissions

50 State Bin 8 SULEV 1

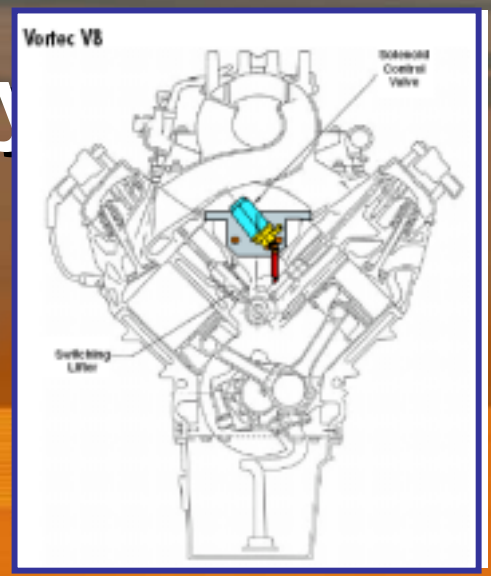
Displacement on Demand

Engine sensors activate and turn off cylinders when needed

- Optimizes engine performance
- Increases fuel economy approximately 8%

Availability:

- TrailBlazer w/ 5300 V8

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