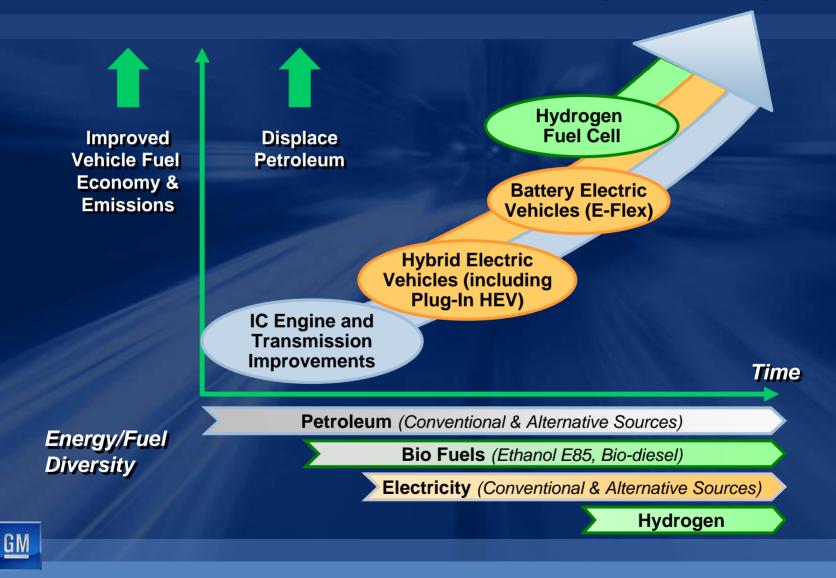


Al Weverstad Executive Director -- Environment, Energy & Safety Policy Staff, GM Public Policy Center

Advanced Propulsion Technology Strategy



GM Announces Intention to Produce Plug-in Hybrid SUV Los Angeles Auto Show

 Greater than 10 miles electric only range



Potential to achieve double the fuel economy of any current SUV



"At GM, we believe tomorrow's automobiles must be flexible enough to accommodate many different energy sources. And a key part of that flexibility will be enabled by the development of electrically driven cars."

> Rick Wagoner Chairman and CEO General Motors Corporation LA Auto Show 11/29/2006











E-Flex System

Family of Electric Vehicle Propulsion Systems

E = Pure electric drive

Adaptable to a range of energy sources

- Fuel cell with electricity supplied by hydrogen
- Short range EV with energy supplied by grid charging or an on-board internal combustion engine (range extender)
- Full battery-electric using grid charging (technology dependent -- especially the battery)

Tailor the propulsion to meet the specific needs and infrastructure of a given market

Engineering development has been initiated

Chevrolet VOLT Concept

Global Compact Vehicle Based

Electric Drive Motor

120 kW peak power
320 Nm peak torque (236 lb-ft)

Li-ion Battery Pack

136 kW peak power
16 kWh energy content
Home plug in charging

Generator 53 kW

Internal Combustion Engine _ 1.0L 3-cylinder turbo



GM's Commitment

- Implement advanced propulsion technologies that optimize fuel efficiency, minimize emissions and support energy diversity
- Accelerate alternative fuel capable propulsion systems
- Support the electrification of the vehicle with a broad portfolio of hybrid vehicles and E-flex
- Develop a production viable fuel cell propulsion system that is automotive competitive





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