

CHRYSLER

**SOUTHERN CALIFORNIA
CLEAN VEHICLE TECHNOLOGY EXPO**

OEM Products for 2009 and Beyond

Reg Modlin
Director – Environmental Affairs

The Challenge

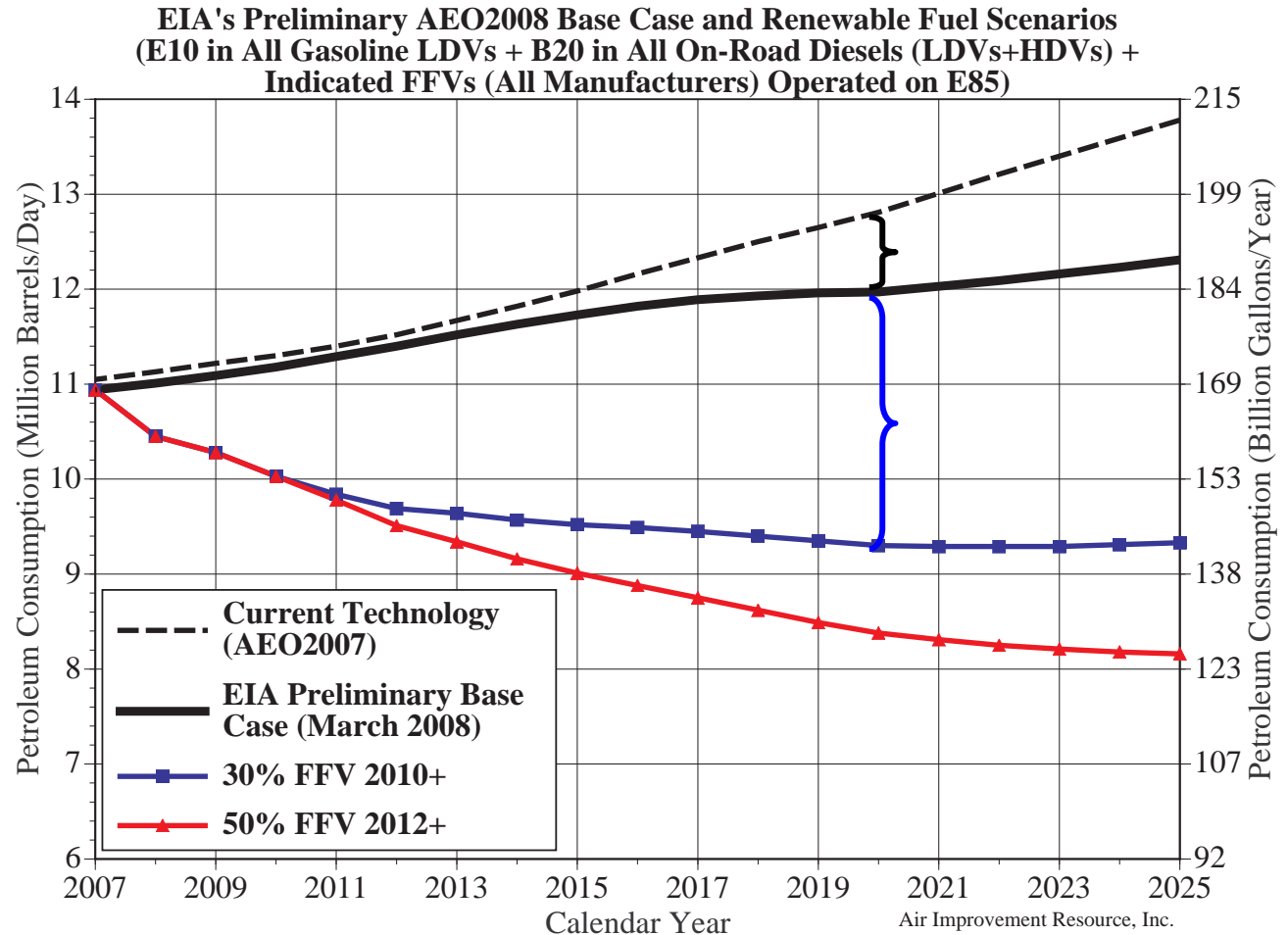
- Regulatory and social pressures will continue to target the transportation sector.
- The visibility of transportation will remain high until the environmental footprint reaches zero.
- Fuel economy, in any of its forms, is the current headline driver.

Policy Drivers – The Short List

- Enhance the energy security of America.
- Reduce carbon emissions from transportation.

Replacing Petroleum with Other Liquid Fuels will not Finish the Job

- Various bio-fuels scenarios demonstrate that petroleum consumption can be reduced
- Petroleum consumption can be reduced by over 30% compared to DOE's projections if:
 - All Gasoline is E10
 - All Diesel fuel is B20
 - 30% E85 FFV production in 2010 with 100% E85 use
 - 50% E85 FFV production in 2012 with 100% E85 use



Downsizing Vehicles will not Finish the Job



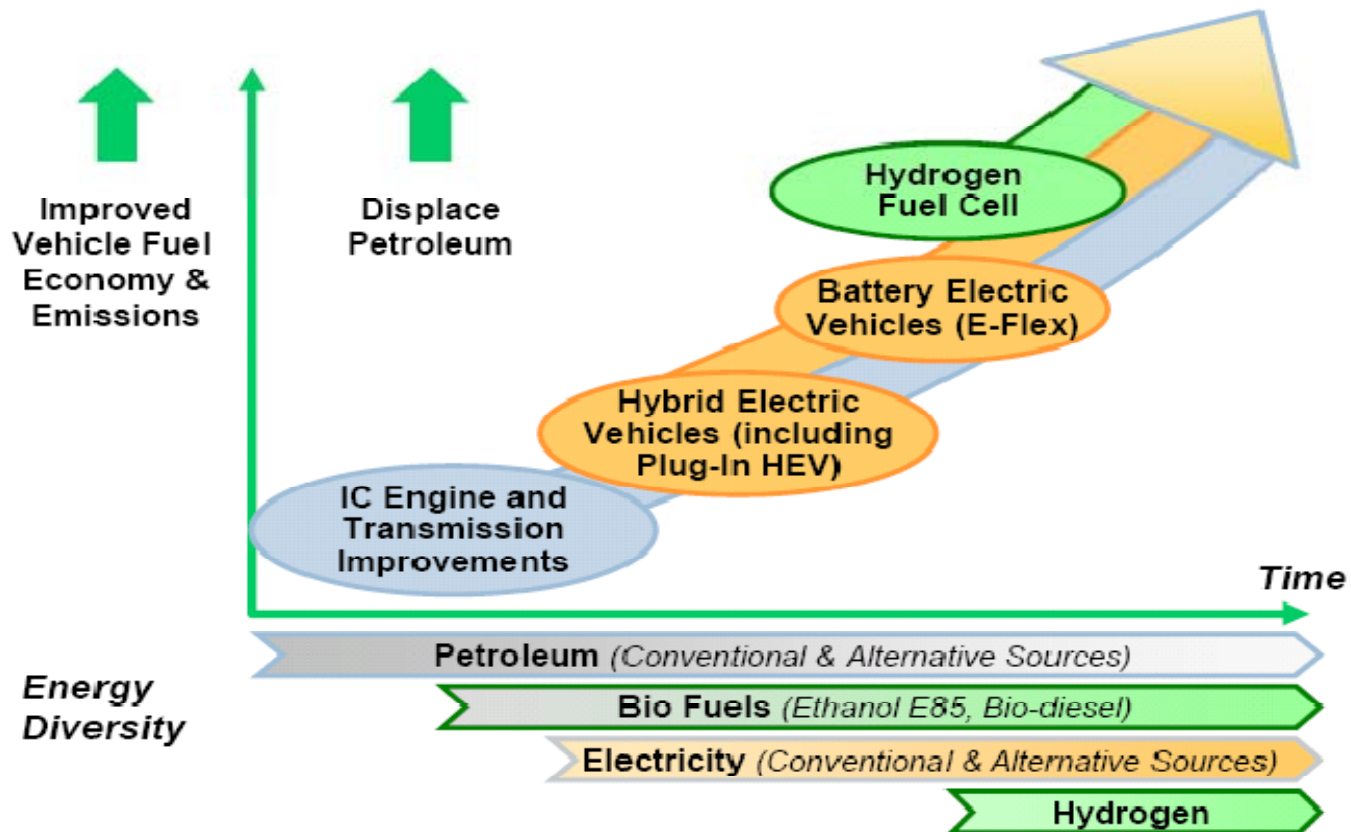
smart fortwo

- Two Passenger
- 1.0 liter, three cylinder, (70 hp)
- 5-speed automated manual transmission
- 39 mpg (30/44 city/highway)



Evolution of Technology Leads to Electricity

Advanced Propulsion Technology Strategy



ENVI Announcement

- ENVI is an empowered, cross-functional team within Chrysler with the strategic intent to develop electric-drive production vehicles and related advanced-propulsion technologies.
- ENVI is a small, nimble team that can move quickly and has access to the resources within Chrysler to allow rapid proliferation of electric-drive vehicles.
- ENVI enables Chrysler LLC to rapidly develop a new generation of environmentally responsible Chrysler, Jeep and Dodge vehicles.

Dodge Electric Vehicle



More efficient power to the wheels with instantaneous torque to highlight Dodge brand's responsive and agile performance that delivers a visceral, connected to the road, driving experience.

Jeep Range-extended Electric Vehicle



Taking *Tread Lightly!* to the next level, providing Jeep owners with the ability to roam the planet and take care of it at the same time.

Chrysler Range-extended Electric Vehicle



Clean, quiet elegance and seamless acceleration, underscoring the engaging driving experience of the Chrysler brand.

GEM Continues to Evolve.....

GEM = green eco mobility



GEM peapod

- 4 passenger, Neighborhood Electric Vehicle
- Top Speed: 25 mph (hi mode), 15 mph (low mode)

ENVI Common Themes

- Adapt electric propulsion systems.
- Lithium-ion battery technology.
- Performance comparable to conventional vehicles.
- Electric vehicles and range-extended vehicles offer tremendous opportunity to reduce use of fossil fuels and reduce CO2 emissions.

Southern California Clean Vehicle Technology Expo

Thank You!

Chrysler Range-extended Electric Vehicle



Dodge Electric Vehicle



Jeep Range-extended Electric Vehicle

