

# NORTHEAST & MID-ATLANTIC STATES REGIONAL LOW CARBON FUEL STANDARD

## BOSTON STAKEHOLDER MEETING

Ellen Shapiro

Alliance of Automobile Manufacturers

October 22, 2009

# ALLIANCE MEMBERS

**BMW Group**



**PORSCHE**

**TOYOTA**

**VOLKSWAGEN**  
GROUP OF AMERICA

# TRANSPORTATION SECTOR'S 3-LEGGED GHG STOOL

- ⊙ Vehicles + Consumers + Fuels
- ⊙ Nationwide target to reduce GHG by 83% by 2050 (per H.R.2454, Waxman-Markey)
- ⊙ Economy-wide approach critical
- Caution: Vehicle efficiency factors can distort outcome, delay Low Carbon Fuels

# A BIRD IN THE HAND: LOW CARBON *LIQUID* FUELS

- ◎ Moving forward now, rapidly:
  - ◎ Alternative & improved conventional technologies
  - ◎ Renewable liquid volumes, under Federal RFS
- ◎ Encourage new clean fuels compatible with infrastructure
- ◎ In the near to mid-term: FFVs + E85
  - ◎ ~7 million Flex Fuel Vehicles on road now; fleet growing fast
  - ◎ E85 viable w/infrastructure & energy-based pricing

# OR TWO IN THE BUSH?

- ◎ Electric transportation modes (HEVs, PHEVs, BEVs) are making headway
  - ◎ Will come, on market-driven timetable
  - ◎ Penetration likely to fall short of scenarios
  - ◎ Collaboration needed on codes & standards, infrastructure, permitting, public outreach
- ◎ Consumers will decide winners based on value to them
  - ◎ Operational cost/mile + vehicle price

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Next page: FFV Density Map

# FFV Density Map by County, as of Spring 2009

