

DIMENSIONS OF A PUBLIC SAFETY INFRASTRUCTURE FOR ALTERNATIVE FUELS

- **What we know:**
 - 800,000 motor carrier hazardous materials shipments on U.S. roads every day – most are motor fuels
 - More than half of 20,328 hazardous materials transportation incidents reported in the U.S. in 2006 involved flammable-combustible liquid
 - No change in key factors: weather, road condition, driver error, etc.
- **What we don't know:** How will we train and equip 1.2 million firefighters and 800,000 law enforcement officers about the risks of hybrids, ethanol and other biofuels, and hydrogen so they are safe when responding to incidents?



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- **What we know**
 - The Model National Codes have evolved for decades with little focus on hydrogen
 - Different jurisdictions adopt different combinations of codes
 - Training and staffing levels vary considerably
- **What we don't know:** How will we train and equip an estimated 150,000 building and fire code enforcement officials in >30,000 jurisdictions so they do not become the major impediment to the transition?

