

Hydrogen Implementation Strategy

Objectives

- Identify non-technical issues may impact technology development & utilization
- Ideas to deal with issues
- Identify areas for NETL/EERE

Names of Major Categories

- Infrastructure
- Legislation/Regulation/Public Policies
- Transportation Economics (Fuel Cell)
- Production Costs (Hydrogen)
- Consumer (Cost & Value)
- Public Perception
- Safety
- National Security
- Environmental Issues

Key is Integration of Issues into an Approach or Policy

- Congressional Approach
- Vision for Infrastructure
- Sensible, rational policy for energy consistent with National & Environmental Security

Ideas to Deal With Issues

Infrastructure

- Tax incentives to justify the investment
- Expand Government Industry Partnerships
- Expanded buy down programs
- Consistent set of national standards
 - a. e.g. zoning
- Highway trust funds extended to the hydrogen infrastructure
- Environmental fuel tax (carbon tax)

Ideas to Deal With Issues

Legislation/Regulation/Public Policy

- Targeted R&D in common areas
- International Coordination
- Zoning
- Education Transfer
- Codes and Standards (International)
- Incentives/penalties

Ideas to Deal With Issues

Safety

- Address perception and reality
- Education
- Focus groups
- Public relations
- Consumer advocacy organizations
- “O” Defect design
- Controlled (govt.) test program
- More demonstrations
- Permanent fleets
- Buses, taxis, light duty

Idea Areas to Assist NETL/EERE

Practical Next Steps

- Promote ongoing forums (communications
 - a. Stakeholder feedback, e.g.
- Define strategies and needs of stakeholder industries
- NETL/EERE should promote larger budgets