Hydrogen and Fuel Cell Technical Advisory Committee

October 29

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H_2USA
Mission Statement

The mission of H_2USA is to promote the commercial introduction and widespread adoption of FCEVs across America through creation of a public-private collaboration to overcome the hurdle of establishing hydrogen infrastructure.

Goals

- Establishing necessary hydrogen infrastructure and leveraging multiple energy sources, including natural gas and renewables
- Deploying FCEVs across America
- Improving America's energy and economic security
- Significantly reducing greenhouse gas emissions
- Developing domestic sources of clean energy and creating jobs in the United States
- Validating new technologies and creating a strong domestic supply base in the clean energy sector

H_2USA Organization Chart

Steering Committees
(Executive / Operational)

— **Secretariat**
(Administered by FCHEA)

Hydrogen Fueling Station
Working Group

- Specification, design, and deployment
- Fueling Resources
- Delivery
- Dispensing technology
- Reliability
- State and local Regulations
- Etc.

Market Support and Acceleration
Working Group

- Product launch and timeline
- Studies and whitepapers
- Codes and standards (non-vehicle related)
- Component development
- Cost reduction
- Public education
  - First-responders
  - State and local authorities
  - Opinion leaders
- Etc.

Working GRP Coordinating (Chairs and Vice Chairs)

Locations Roadmap
Working Group

- Identify and prioritize markets
  - Market Modeling Methodology
  - Clustering, destinations and locations
- Regulatory barriers (zoning)
- Station rollout timing

Financing Infrastructure
Working Group

- Private sector financing
- Government support
- Etc.

What will make this collaboration work?

- Broad spectrum of involved participants, including:
  - Automakers
  - Fuel cell suppliers
  - Materials and component OEMs
  - Energy companies
  - Federal and State Governments
  - Associations
  - Think tanks
  - NGOs
  - Financial community

Signatories on the Letter of Understanding

(In chronological order)

- Department of Energy
- Association of Global Automakers
- Fuel Cell and Hydrogen Energy Association
- Mercedes-Benz USA, LLC
- Nissan North America R&D
- Toyota Motor North America
- Hyundai Motor America
- Electric Drive Transportation Association
- California Fuel Cell Partnership
- ITM Power
- Proton OnSite
- Massachusetts Hydrogen Coalition
- American Gas Association
- Plug Power
- National Renewable Energy Laboratory
- Center for Hydrogen Research
- Nuvera Fuel Cells
- General Motors Holding LLC
- American Honda Motor Company
- Air Liquide Industrial US
- Hydrogenics Corporation
- Argonne National Laboratory
- SCRA
- Sandia National Laboratory
- Chrysler Group LLC
- Savannah River National Laboratory

Key Action Areas

- Financing Infrastructure
- Hydrogen Fueling Capability
- Market Support and Acceleration
- Locations Roadmap

Thank You

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