H₂USA
Update

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President & Executive Director
FCHEA

H₂USA
The mission of H₂ USA 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
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.

Financing Infrastructure Working Group
- Private sector financing
- Government support
- Etc.

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

Steering Committees (Executive / Operational)

Secretariat (Administered by FCHEA)
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

U.S. Department of Energy
Air Liquide Industrial US
American Gas Association
HONDA
Argonne
Argonne National Laboratory

Association of Global Automakers
California Fuel Cell Partnership
Center for Hydrogen Research
Chrysler Group LLC
Electric Drive Transportation Association

Fuel Cell & Hydrogen Energy Association
General Motors Holding LLC
Hydrogenics Corporation
Hyundai Motor America
ITM Power

Linde North America, Inc.
Massachusetts Hydrogen Coalition
Mercedes-Benz
National Association of Convenience Stores
National Renewable Energy Laboratory

NISSAN GROUP OF NORTH AMERICA
Nissan North America R&D
Nuvera Fuel Cells
PDC Machines Inc.
Plug Power
Proton OnSite

Sandia National Laboratories
Savannah River National Laboratory
SCRA
Toyota Motor North America
Pacific Northwest National Laboratory

H2USA
Key Action Areas

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

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