## Hydrogen and Fuel Cell Technical Advisory Committee October 29

Morry Markowitz President & Executive Director Fuel Cell and Hydrogen Energy Association

# H<sub>2</sub>USA Mission Statement

The mission of H<sub>2</sub>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.

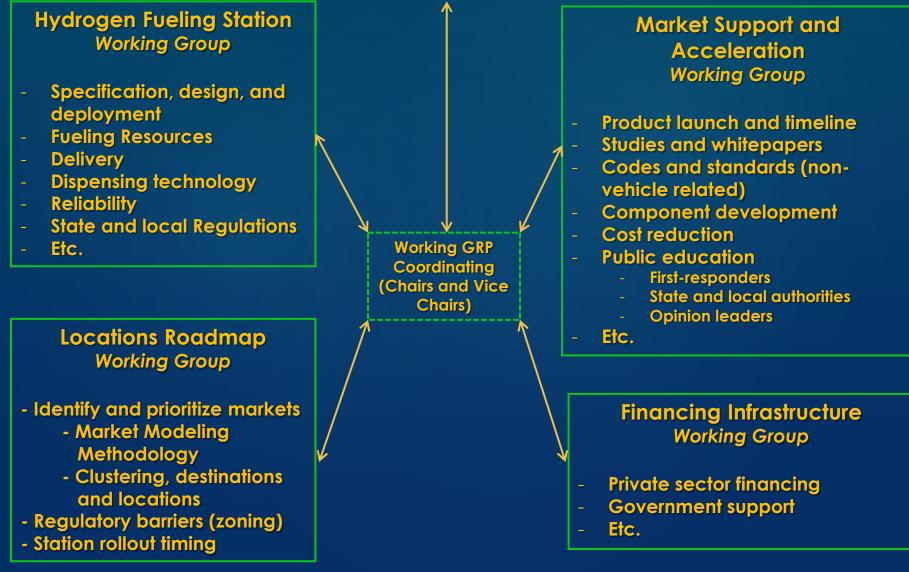
## Goals

- 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

H<sub>2</sub>USA Organization Chart

#### Steering Committees (Executive / Operational)





# 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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