Annual Merit Review

Regional Hydrogen Infrastructure Panel

April 30, 2019
The OHIO FUEL CELL COALITION

Mission
The Ohio Fuel Cell Coalition is a united group of industry, academic, and government leaders working collectively to strengthen Ohio’s fuel cell industry and to accelerate the transformation of industry to global leadership in fuel cell technology and applications.

Activities
Supply Chain Assistance
Education
Advocacy
Networking and Collaboration
Marketing and Communications
The MIDWEST Region

Priority States
Regional Clusters
Roadmap for providing 251 stations for 136,000 vehicles:

- Ohio
- Michigan
- Illinois
- Indiana
- Western Pennsylvania
MIDWEST ACTIVITIES

- Potential CALSTART H2 advisory committee for MI and possibly the region.
- Dept. of Defense Combat Capabilities Development Center/ CALSTART/Michigan Economic Development Corp. potential build-out of three public/private H2 stations
- Honda/GM joint venture to produce H2 fuel cell systems
- SARTA/RHFCC/OFCC Hydrogen Roadmap prepared by CALSTART
Midwest priority regions for the deployment of hydrogen infrastructure and FCEVs

www.midwesthydrogen.org/hydrogen roadmap/CALSTART
Identified main cluster for deployment of hydrogen infrastructure

- Cleveland-Akron-Canton
- Columbus
- Cincinnati-Dayton
- Toledo

www.midwesthydrogen.org/hydrogen roadmap/CALSTART
Proposed/preliminary alternative refueling station locations. Larger dots indicate two stations present in close proximity (i.e., eastbound and westbound along the Ohio Turnpike).
Roadmap Strategy

» Bus & Truck - SARTA
» Delivery Vehicles – FedEx, Plug Power
» Light Duty Fuel Cell Electric Vehicles – Municipal and Commercial
» Light Duty Fuel Cell Electric Vehicles - Public
» Development of corridors
  ▪ I-75 – Cincinnati OH to Detroit MI
  ▪ I-80/I-76 – Indiana, Cleveland OH, Pittsburgh PA
  ▪ Route 33 – Columbus OH to Marysville OH
  ▪ Additional expansion throughout Midwest
Expansion of Regional Influence

**OFCC, MEDC, and Midwest**

- Align Midwest resources and build on manufacturing/related services expertise to be a dominant force in the sustainable energy market; create strong job growth in the process.

- Exploring the continued development of regional corridors and supply chain.

- Help states in expanded region with mapping, supply chain, strategic planning.
Expansion of Regional Influence

**OFCC, MEDC, and Midwest**

- Additional Areas of Collaboration
  - Stark Area Regional Transit Authority
  - Ohio Dept. of Transportation
  - Dept. of Transportation – BUILD
  - VW Mitigation
  - Fleet and Warehouse infrastructure, i.e. FedEx, Home Depot, Amazon, Walmart
The Ohio Fuel Cell Coalition presents the
2019 OHIO FUEL CELL SYMPOSIUM

Save the Date

HYDROGEN & ITS APPLICATIONS
June 26th & 27th 2019
Quest Conference Center • Columbus, Ohio
OFCC CONTACT INFO

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