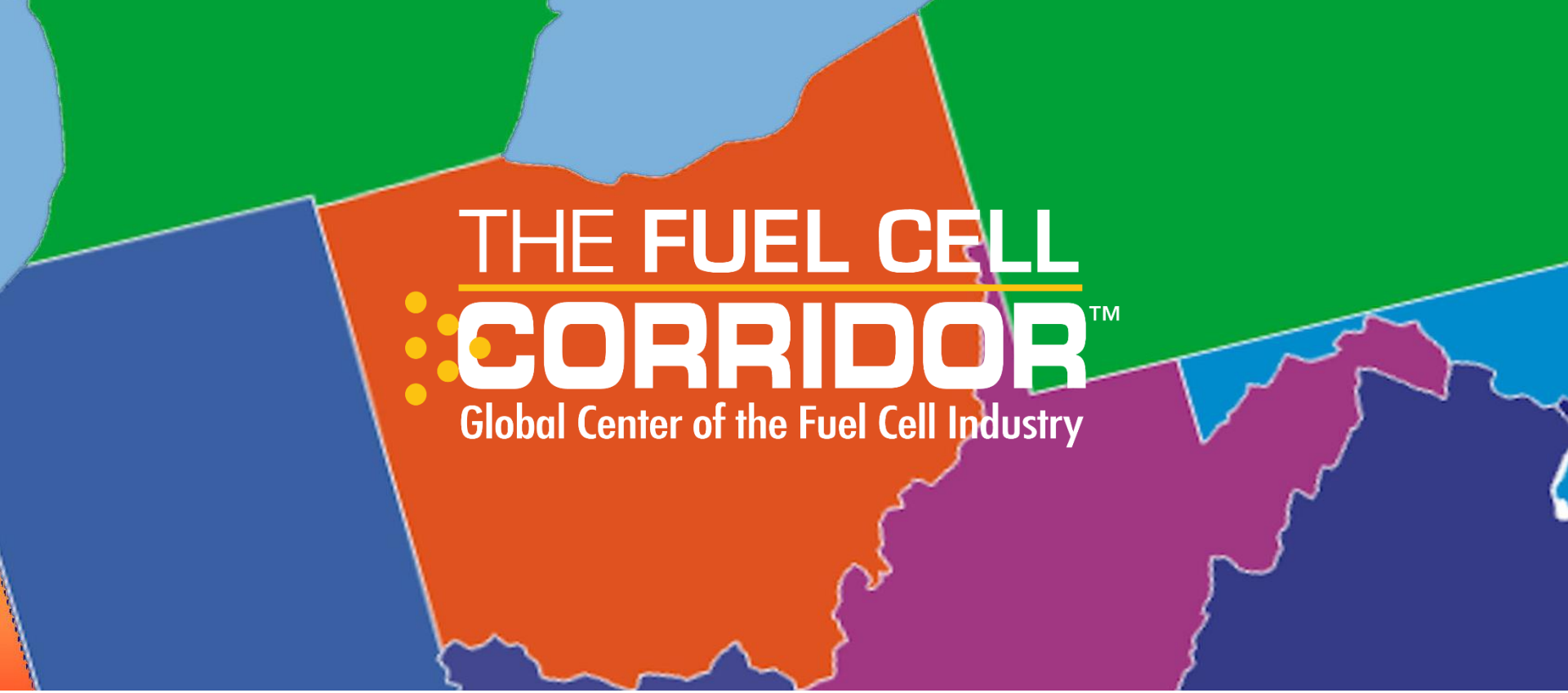


Annual Merit Review

Regional Hydrogen Infrastructure Panel

April 30, 2019

© 2019 Ohio Fuel Cell Coalition

OFCC
OHIO FUEL CELL
COALITION

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

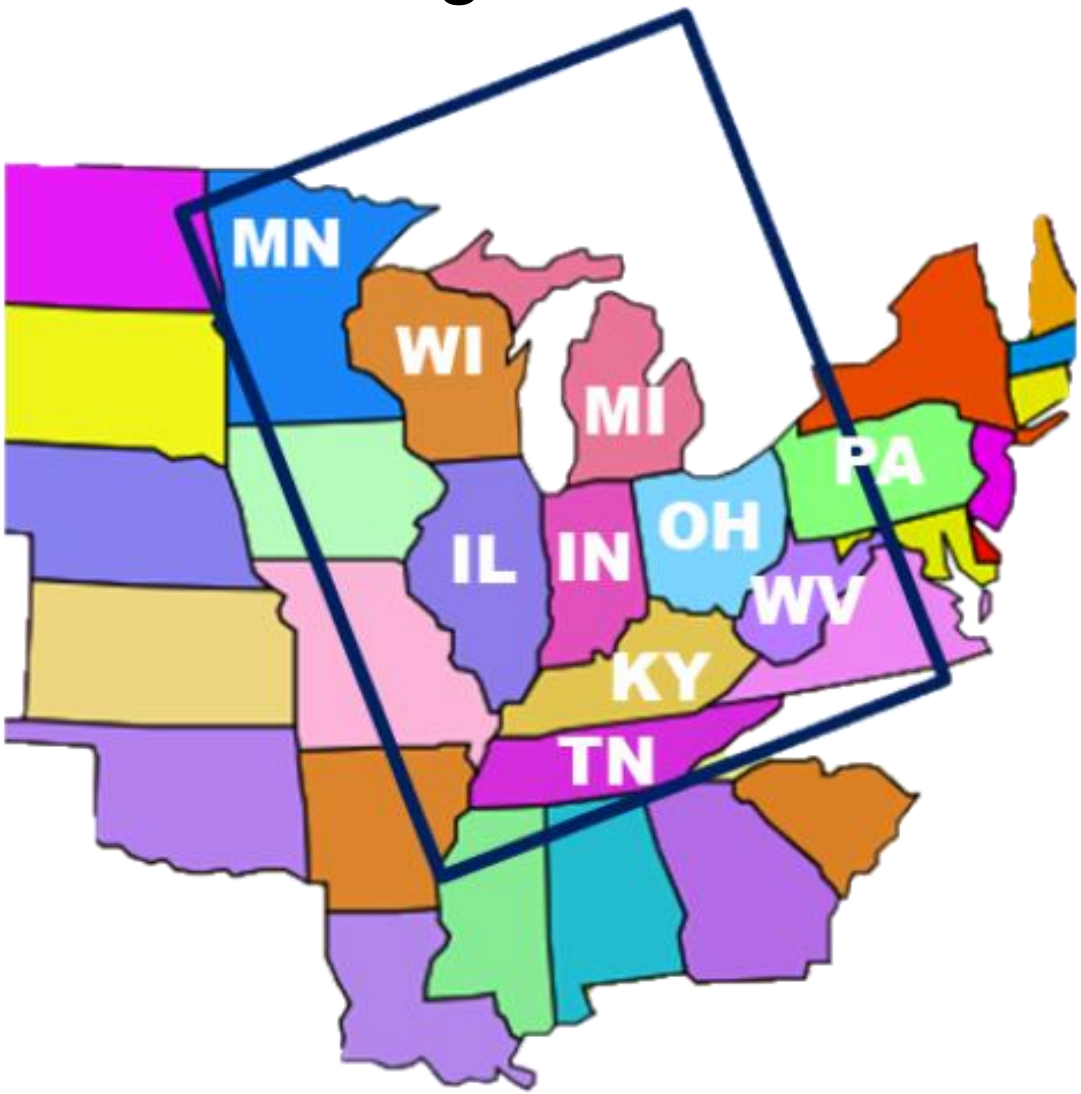
Supply Chain Assistance
Education
Advocacy
Networking and Collaboration
Marketing and Communications

THE FUEL CELL CORRIDOR™
Global Center of the Fuel Cell Industry

The MIDWEST Region

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

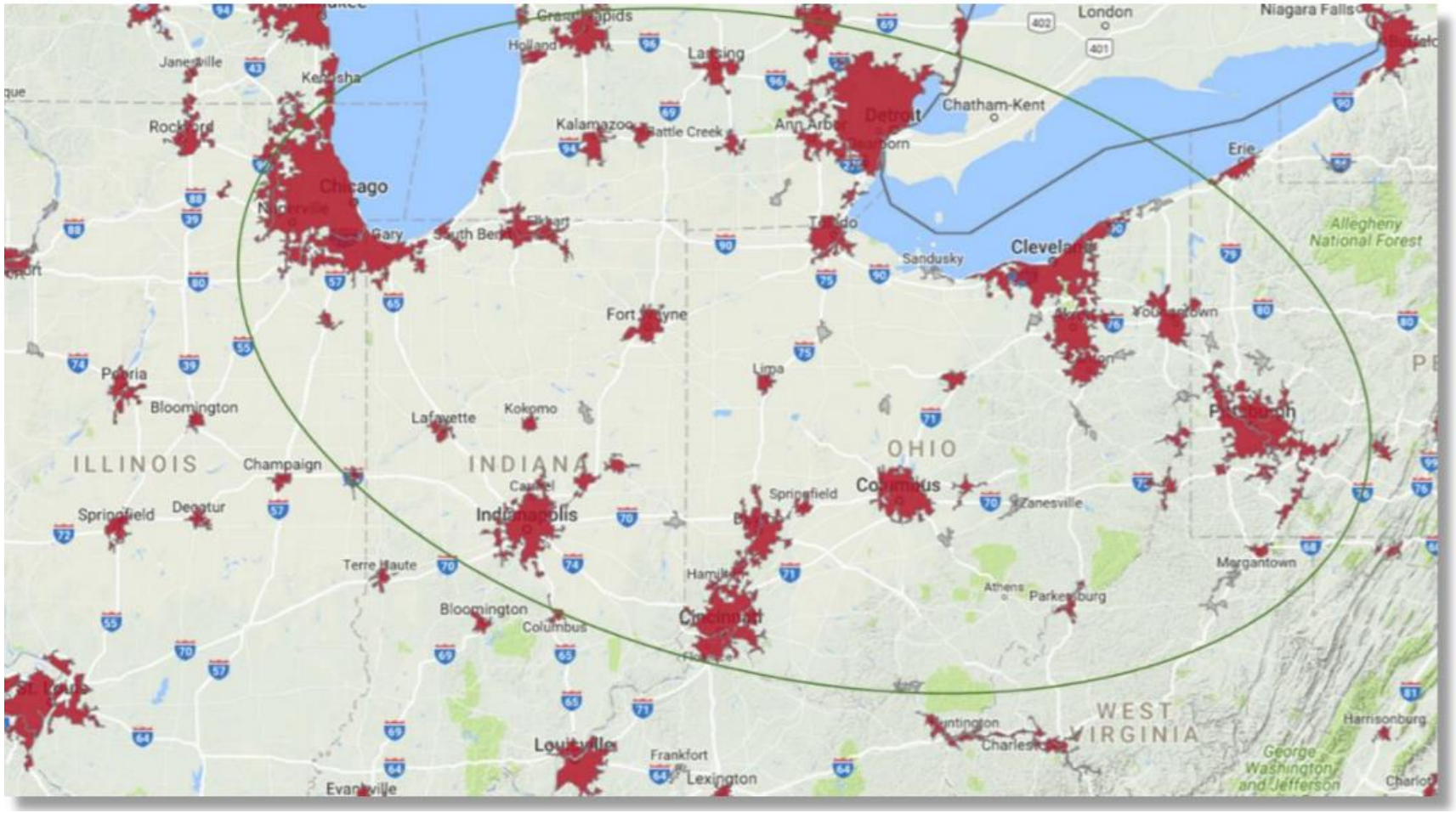
- Ohio
- Michigan
- Illinois
- Indiana
- Western Pennsylvania



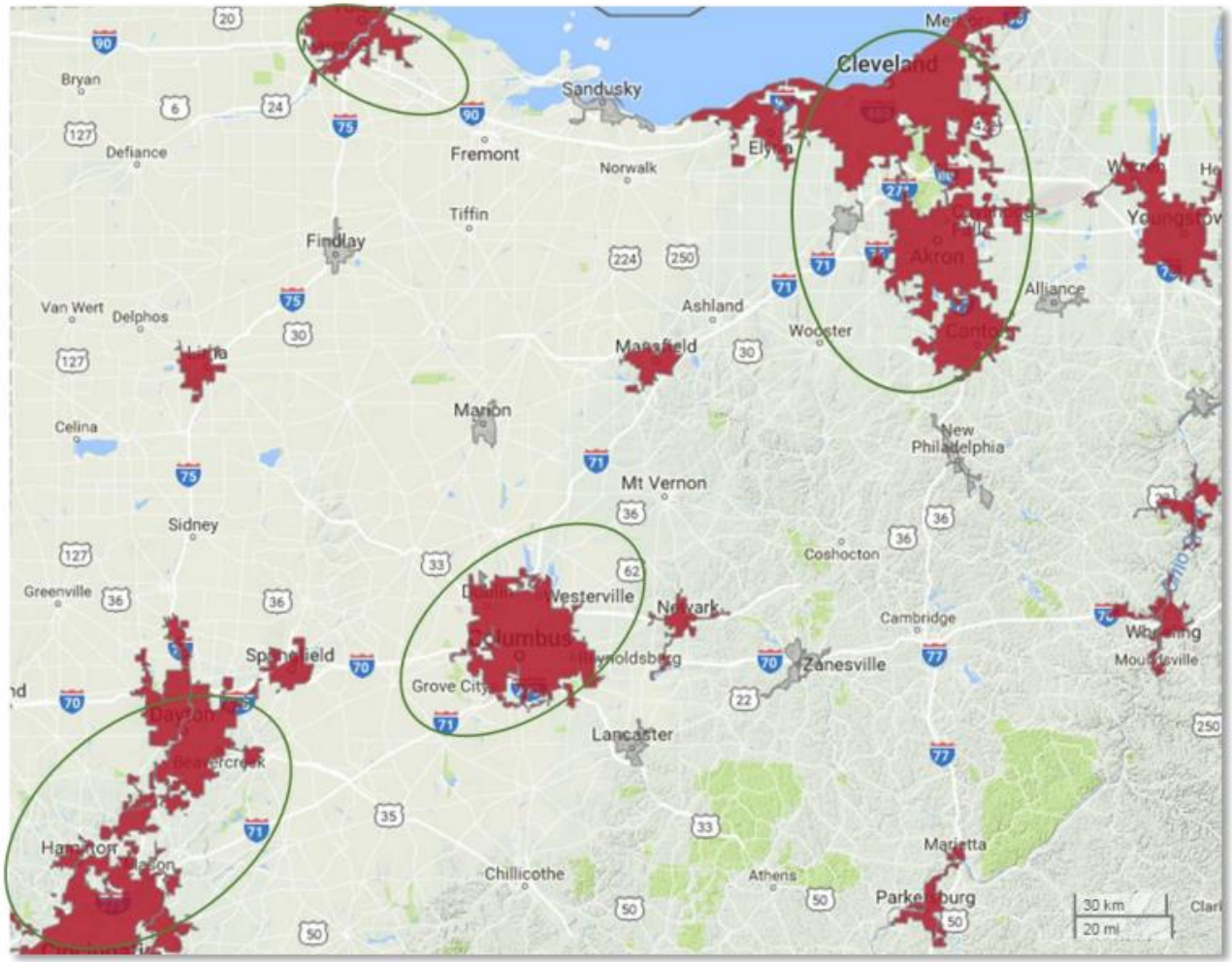
MIDWEST ACTIVITIES

- 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



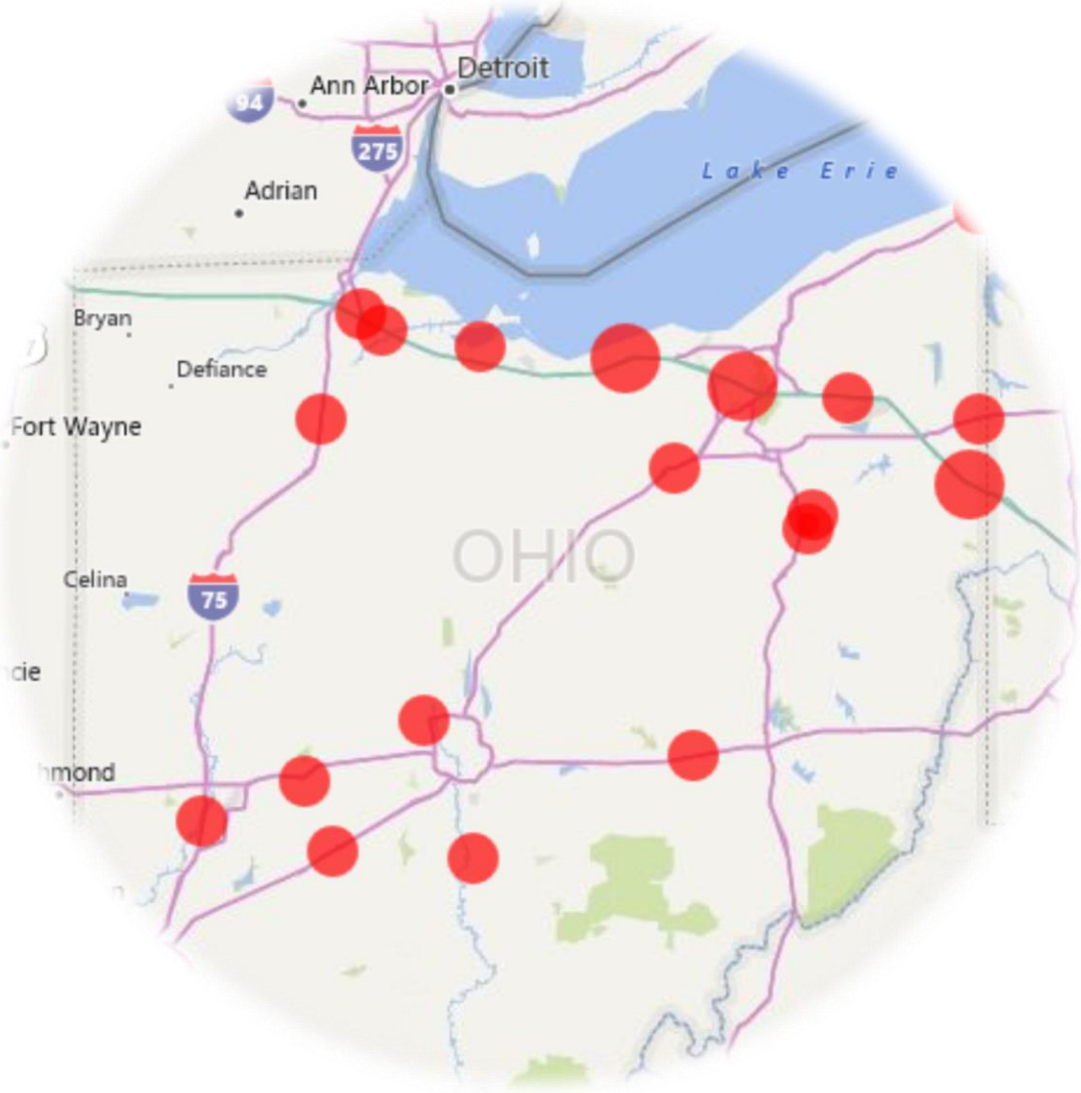
OHIO

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

© 2008 Ohio Fuel Cell Coalition

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

© 2008 Ohio Fuel Cell Coalition

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

© 2008 Ohio Fuel Cell Coalition

THE FUEL CELL CORRIDOR™
Global Center of the Fuel Cell Industry

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

Pat Valente
Executive Director
Ohio Fuel Cell Coalition
pat.valente@fuelcellcorridor.com
614-542-7308
www.fuelcellcorridor.com

© 2008 Ohio Fuel Cell Coalition