

**Regional Hydrogen  
Infrastructure Panel**

**June 14, 2018**

**U.S. Dept. Of Energy  
2018 AMR**



# 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

## Ohio's Competitive Advantage

- Ohio recognized by the DOE/EERE as a Top 5 Fuel Cell State for supportive policies and incentives that have proven to encourage fuel cell installations, industry research, and development and business expansion.
- In 2016, more than \$150 million has been invested by Ohio companies for fuel cell development.
- In 2016, more than \$125 million in fuel cell components have been purchased from Ohio supply chain companies.
- \$100 million investment from Ohio Third Frontier; matched by over \$300 million from other local, state, and federal programs

# Ohio's Competitive Advantage

## Part of Regional Technical Exchange Centers

### Objectives

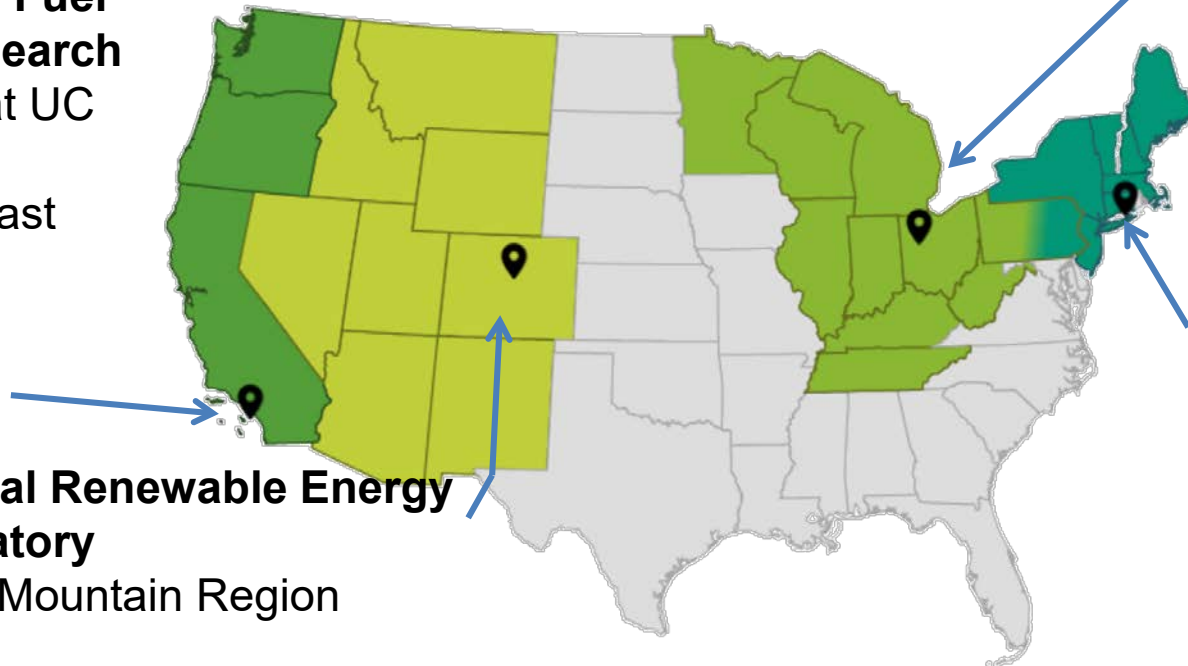
- To facilitate the development of a robust supply chain for fuel cell and hydrogen systems
- To accelerate mass production, reduce costs, and improve performance and durability of these systems.

### Approach

- Create working groups to provide strategy for component standardization
- Identify needs and gaps in the supply chain.
- Collect information for accessible database.

Ohio is part of the U.S. Dept. of Energy's Regional Technical Exchange Network developed to address the manufacturing challenges of hydrogen and fuel cell technologies across the continental U.S.

**National Fuel Cell Research Center at UC Irvine**  
West Coast Region



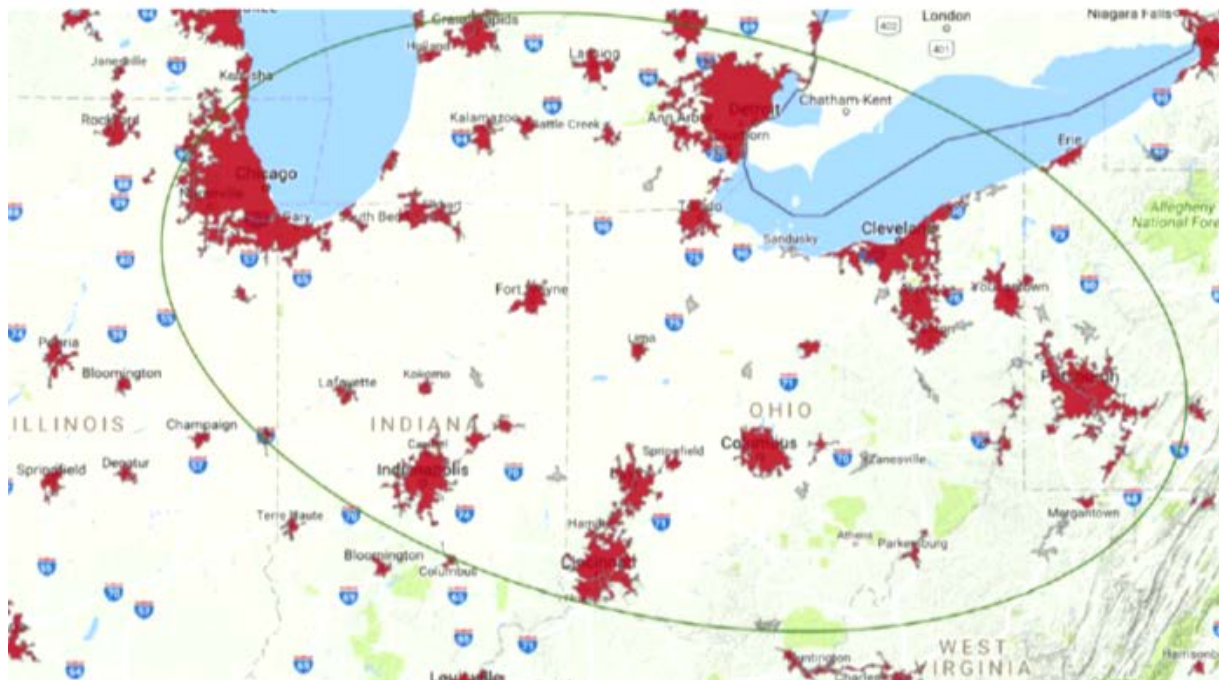
**Ohio Fuel Cell Coalition**  
Midwest Region

**Connecticut Center for Advanced Technology**  
East Coast Region

**National Renewable Energy Laboratory**  
Rocky Mountain Region

## Expansion of Regional Influence *OFCC, MEDC, and Midwest*

- Hydrogen Roadmap - CALSTART
  - » Midwest priority regions: OH, MI, IL, IN, and Western PA



## **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
- We have agreed to work together with the Michigan Economic Development Corporation and CleanFuels Michigan on I-75 and the continued development of corridors and supply chain
- Help states in expanded region with mapping, supply chain, strategic planning

## **Expansion of Regional Influence *OFCC, MEDC, and Midwest***

- Roadmap Strategy
  - » Bus & Truck - SARTA
  - » Delivery Vehicles – FedEx, Plug Power
  - » Light Duty Electric Vehicles – Municipal and Commercial
  - » Light Duty 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 the Midwest



## **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
  - » Honda/GM Relationship
  - » Findlay-Hancock Economic Development Partnership
  - » NASA and Oak Ridge National Laboratory

## OFCC CONTACT INFO

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