



Transitioning to a Regional Coalition

2019 Southeast Hydrogen & Fuel Cell Symposium

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BMW Zentrum Greer, SC

Ted Motyka, PhD

Collaborating

Coordinating

Creating



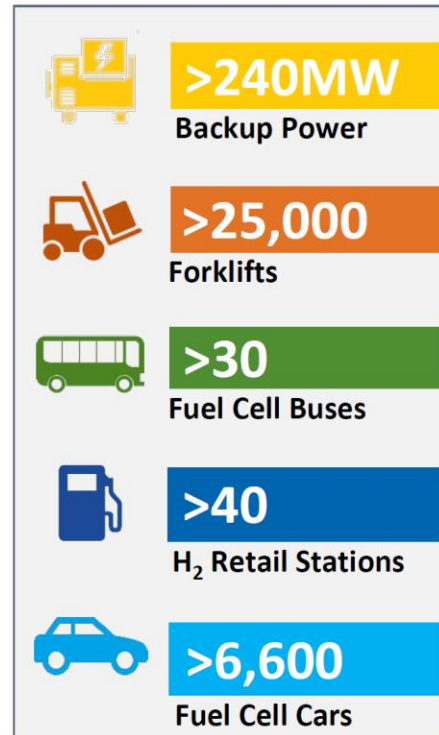
Southeast Regional Manufacturing Capabilities

- SE region generated about 20 percent (over \$380 billion) of the USA manufacturing gross domestic product (GDP) in 2014*.
- A key synergy in the region is “Automotive Alley” that includes 300,000+ employees, 14 OEM’s and 1,120 manufacturers and suppliers.
- Another strength of the region is the business focus of the universities and community colleges.



* <https://www.ien.com/operations/blog/20850602/manufacturing-future-is-promising-in-southeast-us>

Examples of Applications

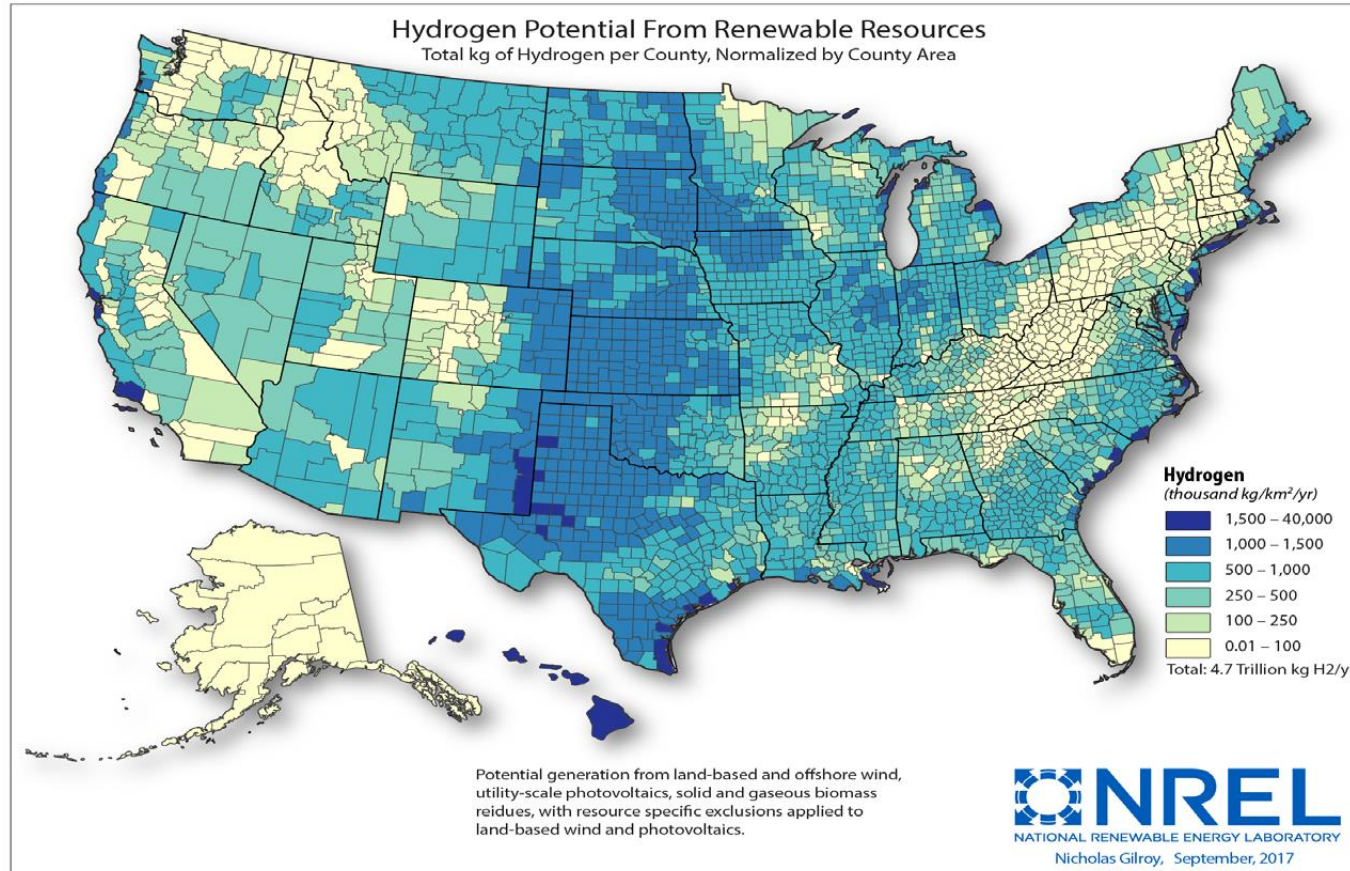


Example of Emerging Interest in Transportation



Industry plans for hydrogen fuel cell trucks and supporting infrastructure underway

* Dr. Sunita Satyapal, Director, Fuel Cell Technologies Office, Hydrogen and Fuel Cell Program Overview Crystal City, VA –April 28, 2019, 2019 Annual Merit Review



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Hydrogen/Fuel Cell Technical Assistance Partnership

- DOE's Hydrogen/Fuel Cell Technical Assistance Partnership (TAP) is a collaborative regional initiative to promote and assist in transforming transportation and stationary power markets for hydrogen and fuel cell systems.
- Partner and collaborate with Clean Cities.
- Regional TAPs will enable development of hydrogen infrastructure, fuel cell supply chains, and a skilled workforce in five regions with emerging fuel cell markets and/or critical capabilities, as well as facilitate adoption of fuel cell systems for improved air quality, energy resiliency, reduced carbon emissions, and economic development.
- Current Regional TAPs include:
 - Northeast - Connecticut, Massachusetts, New York, North Jersey – *JoAnn Milliken*
 - Mid-Atlantic - South Jersey, Delaware, Maryland, Virginia, Washington DC
 - Midwest - Ohio, Michigan, Indiana, Illinois, Western Pennsylvania
 - West – California, Washington, Colorado, Arizona
 - ***South - South Carolina, North Carolina, Florida, Tennessee, Georgia ...***

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