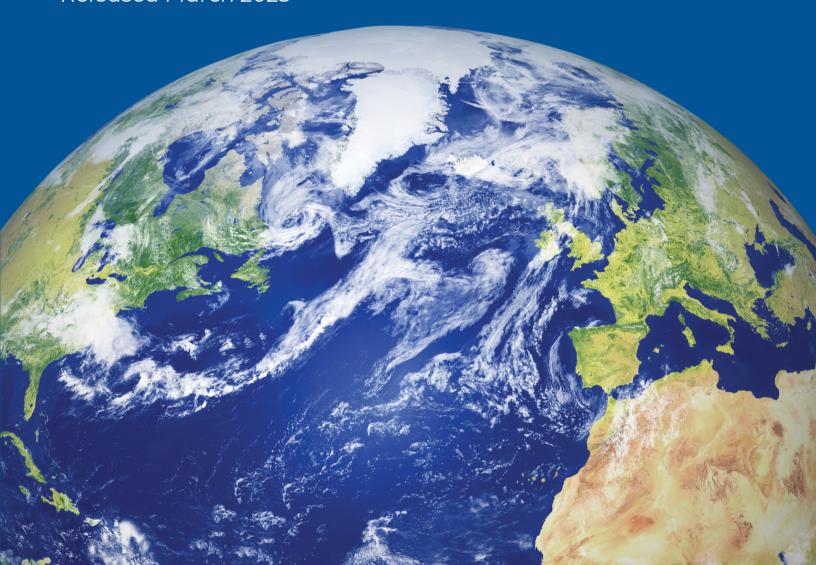
2022

## ANNUAL REPORT



## Connecticut Hydrogen Fuel Cell Industry

Released March 2023



# The Connecticut Hydrogen Fuel Cell Coalition



## Mission

To enhance economic growth in Connecticut through the development, manufacture, and deployment of fuel cell and hydrogen technologies and associated fueling systems.

## Objectives

- To create public awareness with industry, academia and government regarding the benefits and uses of fuel cell and hydrogen technologies.
- To facilitate identification, communication, and management of key information among users, manufacturers, infrastructure managers, and the supply chain.
- To strengthen Connecticut's fuel cell and hydrogen industry through academic and government involvement.
- To provide a forum for discussing common issues and for developing joint projects.
- To be the state recognized leader for economic development in the hydrogen and fuel cell sector.

#### **Board of Governors**

FuelCell Energy, Inc.
Michael Palmer, Director Business
Development (Chairman)

Precision Combustion, Inc.
Anthony Anderson, Dir., Mktg. &
Business Dev. (Vice Chairman)

**Nel Hydrogen**Stephen Szymanski, Vice President –
Sales & Marketing

**HyAxiom, Inc. – A Doosan Company** David Giordano, Govt. Relations and Business Devopment

#### **CCAT**

Joel M. Rinebold, Director of Energy

**Connecticut Green Bank** Bryan Garcia, President & CEO

**Infinity Fuel Cell and Hydrogen** William F. Smith, President

**Skyre, Inc** Trent Molter, President and CEO

The Connecticut Center for Advanced Technology, Inc. (CCAT) administers the Connecticut Hydrogen Fuel Cell Coalition, with support from industry stakeholders.

## **Markets**



The hydrogen fuel cell industry in Connecticut has been challenged by the 2020 - 2022 pandemic of COVID; however, the market, consumer interest, and government support for clean, reliable, and dispatchable energy has kept the industry relevant and successful to meet market needs for commercially available technology. Support for the industry will increase with the recently passed Infrastructure Investment and Jobs Act, and the U.S. Department of Energy "Hydrogen Earthshot" Initiative.

Connecticut has engaged in this opportunity to develop a regional Hydrogen Hub with other Northeast states and leadership from the State of New York. Support from Connecticut includes the passage of House Bill No. 5200, "An Act Establishing a Task Force to Study Hydrogen Power," The Act calls for the establishment of a Task Force composed of industry leaders, utilities, environmental advocates, and regulators to study the regulations and legislation needed to guide the development of hydrogen power, examine incentives and programs created by federal infrastructure legislation, and investigate sources for potential clean hydrogen power.

Indeed, there is new interest in research and manufacture domestically of produced technology and resources with optimism that hydrogen and fuel cell technology will be highlighted as a solution for clean stationary power; zero emission transportation for cars, trucks, aircraft, materials management, and space exploration; and as a zero emission energy carrier to integrate and store energy from asynchronous wind and solar resources with hydrogen.

#### **Key Connecticut Statistics**

Connecticut Hydrogen and Fuel Cell **Industry Data** 

**OEMs 10** 

Supply Chain Members: 611+

Direct Jobs: 983 Indirect Jobs: 773 Induced Jobs: 1.078 Total Jobs: 2,834

Total Rev. + Investment: \$601 MM Total Labor Income: \$286 MM

Economic impact derived from an IMPLAN Economic Financial Model. NEESC; September 2017. This analysis assesses the direct, indirect, and induced values of the Northeast region's hydrogen and fuel cell supply chain using 2016 and 2017 data.

This year has seen progress for solicitation, construction, and operation of stationary fuel cells. Key highlights include the manufacture of over 100 units (50 to 60 MW of capacity) per year from HyAxiom, Inc. - A Doosan Company in South Windsor and an operational portfolio of approximately 33 MW (as of March 2022); and with approximately 41 MW in various stages of development and construction (as of March 2022) from FuelCell Energy of Danbury and Torrington. At this time, approximately 176 MW of stationary fuel cell projects have been developed in Connecticut through 130 projects.

The manufacture of hydrogen production equipment for hydrogen users, including fuel cell electric vehicles (FCEV), continues to grow with over 3,000 PEM electrolyzer units delivered to date from the Nel Hydrogen Wallingford, Connecticut manufacturing facility.

Nel Hydrogen continues to grow with:

- Record revenue from Nel Hydrogen's CT facility in the last two years,
- 50 percent increase in staff since 2019 despite Covid impact,
- Two of their largest electrolyzer orders in the US, each >100 MW (alkaline)
- Sold out annual capacity for PEM industrial products in first half of 2022,
- Multi-million dollar equipment orders placed to expand CT production capacity,
- Award for \$5.6M R&D contract from the US Army Corps of Engineers CERL to advance PEM manufacturing, and
- Strategic collaboration announced with General Motors for industrialization of PEM technology.

Also, Nel Hydrogen's Vice President of Research and Development Kathy Ayers was recently honored with the inaugural ECS Walter van Schalkwijk award for technology that enables the mechanisms, theory, materials, design, operation, control, and application of devices that contribute to sustainable energy production, consumption or storage. https://www.electrochem.org/etd-walter-van-schalkwijk-award/).

Outcomes for research and product development from Skyre, Precision Combustion and Infinity Fuel Cell and Hydrogen includes applications for motive, space, underwater, and stationary deployment. Value includes improved fuel diversity, airindependent operation, increased energy reliability, reduced air emissions including greenhouse gas carbon emissions, and strong economic drivers for jobs and revenues in Connecticut and the region. In addition, the industry is moving forward to provide multiple energy products from reversible applications for heat, electric power, and motive fuel.

#### **Success from Infinity Hydrogen** and Fuel Cell in 2022 includes:

• The successful suborbital flight of Infinity's NASA funded AMPES PEM hydrogen fuel cell "Tipping Point" experiment on Blue Origin's New Shepard NS-23, making way for the next generation of crewed spaceflight and lunar applications.



Infinity Hydrogen

- Continued progress and success for commercial space for 2023, including significant addition to an existing NASA Regenerative Lunar Fuel Cell contact.
- Growth and future delivery of commercial air-independent hydrogen fuel cells.
- Continued product development in unmanned underwater vehicle markets and progress in the development of airbreathing fuel cell mobile renewable and green hydrogen microgrids, including a new contract with the Fuel Cell program for the US Navy Unmanned Underwater Vehicle program.
- bv the Patent award German Government for a fuel cell with improved water or gas management.

#### **Success from Precision Combustion in 2022 includes:**

- Awarded a NASA project to develop a management system for water reversible PEM cells applications.
- Demonstrated their army fuel cell system for platform electrification and mobility on an unmanned ground vehicle.
- Awarded an army project to develop fast startup, fuel flexible CPOX system for solid oxide fuel cells.
- Awarded an ARPA-E project to develop Manufactured "Additively Electrochemical-Chip Based Scalable Solid Oxide Fuel Cells."
- Awarded a DOE project to develop and chemically thermally stable metallic membranes for H2 generation with CO2 capture.

Hydrogen and fuel cell technology researched manufactured and Connecticut is consistent with national and global plans to: integrate asynchronous renewable solar and wind power with hydrogen production; efficiently convert hydrogen to heat and power for commercial use; develop zero emission marine, aviation, rail, and transportation materials handling technology with hydrogen fuel cell vehicles and hydrogen refueling; and to support advanced space missions.

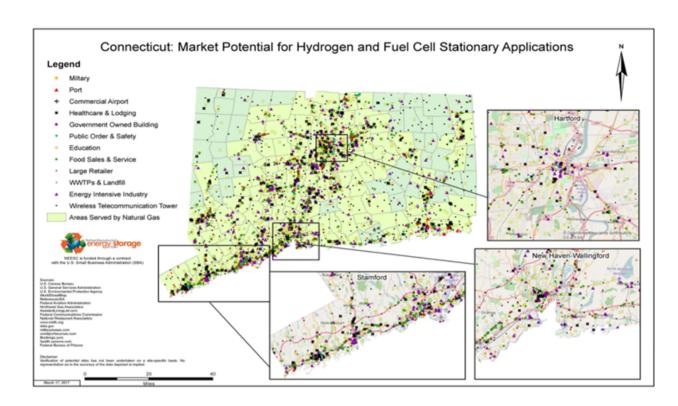
The Connecticut Center for Economic Analysis has analyzed the potential impact of Connecticut's hydrogen and fuel cell industry on jobs and revenues and finds that between 2015 and 2042. aggregated impacts on employment could yield between approximately 170,000 and 244,000 job-years; the aggregated impacts on real gross domestic products could yield between \$38 B and \$54 B; and that if Connecticut retains its relative market share of fuel cell sales, the fuel cell industry would be a major contributor in restoring Connecticut's economic vitality, particularly in retaining high tech research and advanced manufacturing generating increased investments, and delivering more tax revenue.

Administratively, Connecticut is now in a position to update and execute Hydrogen and Fuel Cell Development Plan "Roadmap" to identify market applications, specific locations, deployment size and technologies, and schedule for development.

The existing Roadmap document, developed with assistance and support from the US DOE and US SBA, includes "SMART" metrics for deployment including fuel cell stationary power systems at mission critical military, port, and airport facilities; healthcare, lodging, government, public order and safety, schools, food sales, retail, and industrial buildings; telecommunications facilities, wastewater processing facilities, and landfills where landfill gas may serve as a fuel.



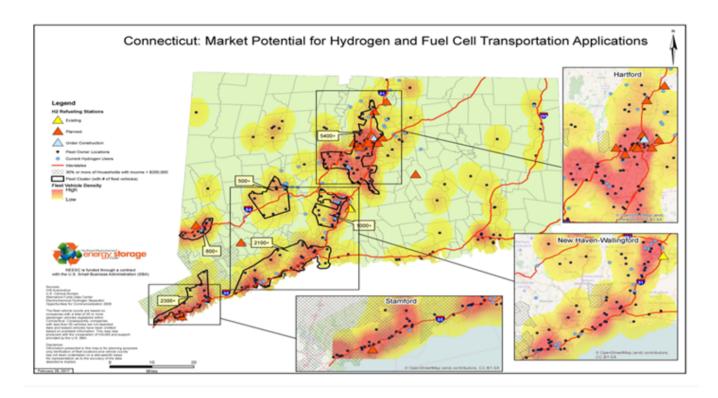
The deployment of Connecticut-made hydrogen and fuel cell technologies at these buildings and facilities as shown below provides public and commercial value to increase mission critical reliability, increased air quality potentially in urban areas and distressed communities, and job creation in Connecticut for development of clean energy technologies to serve a global market.



					Potential Sites	
	Category	Total Sites	Potential Sites	FCs < 400 kW (#)	FCs ≥400 kW (#)	FCs >1,000 kW (#)
	Stationary Targets					
	Schools and Institutions 43	1,255	54	14	29	11
CBECS Data	Food Sales/Services <sup>44</sup>	9,470	857	823	28	6
at E	Healthcare & Lodging <sup>45</sup>	622	51	10	20	21
8 0	Retail <sup>46</sup>	4,123	23	12	10	1
	Public Order & Safety <sup>47</sup>	1,038	62	24	14	24
	Energy Intensive Industries <sup>48</sup>	1,170	34	15	15	4
	GSA Operated Buildings <sup>49</sup>	85	7	7	0	0
	Wireless Telecommunication Towers <sup>50</sup>	301	31	31	0	0
	WWTPs & Landfills <sup>51</sup>	59	5	2	2	1
	Commercial Airports, Military, and Ports 52	155	15	8	5	2
	Total Locations	18,278	1,139	946	123	70

The Connecticut Roadmap also identifies specific transportation applications for FCEV vehicles including light duty cars, buses, and associated hydrogen refueling stations. These applications will help diversify transportation and fuel reliability, improve ambient air quality with reduced emissions from fossil fueled vehicles and provide relief to urban areas and distressed communities that are within non-attainment areas for ambient air quality standards, and will provide a transportation solution to users that require zero emission technology with long range and fast refueling.

The coordinated development of motive and stationary applications provides an energy ecology with increased energy efficiency and reduction of waste. Hydrogen powered fuel cells are providing a solution for zero emission transportation using compressed hydrogen as a long range and fast fill alternative to battery electric vehicles. The manufacture of FCEVs at US Hybrid in South Windsor and hydrogen refueling at Pride in Hartford and at Nel Hydrogen in Wallingford will provide fuel for FCEVs.



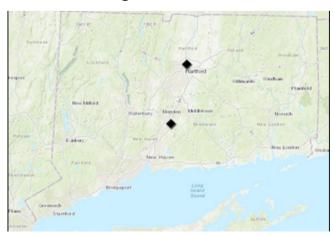
Category	Total Units	Potential Targets Emissions (Metric		ric Tons/Year)
Transportation Targets	CO2	NOx		
FCEVs	11,725	548	2560	1.3
Transit Buses	921	43	3840	.9
Retail Refueling Stations	1,067	6-7	NA	NA

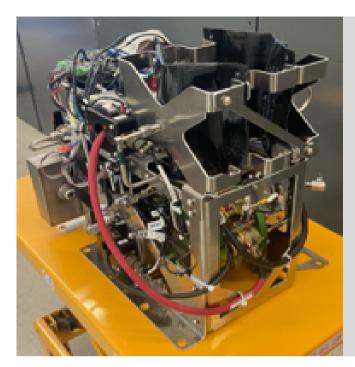
Research and manufacture of motive market technology at Nel Hydrogen in Wallingford provides a global market solution for clean transportation, alternative fuels for reliability, and economic development and creation of clean transportation jobs. Refueling stations in Hartford and Wallingford have been developed and are ready for market deployment of hydrogen powered fleet vehicles, trucks, and specialty vehicles, shown below.

Nel Hydrogen Refueling Station Ready for the Motive Market



Hydrogen Refueling Ready in Wallingford and Hartford





The market continues to grow for advanced technology that delivers zero or low emission power, zero emission transportation, power for unmanned aerial vehicles/aircraft. carbon separation, air filtration, and energy storage. These technologies have been supported by the needs of clean energy markets to deliver products for power, reliability, and energy security.

Roadmap planning demonstrates the availably of commercial hydrogen and fuel cell technology as a replacement of hydrocarbon fuels in the transportation sector, which accounts for approximately 30 percent of Connecticut's total energy consumption. FCEVs include fuel cell electric buses (FCEB), heavy duty trucks, and specialty materials handling forklifts, airport tugs, rail locomotives, aviation, and ships. Railroad locomotives, ships, and aviation are currently in development with Connecticut companies taking a lead in some of the technology research and development for these global market applications.

FCEVs have several advantages over conventional vehicles that can reduce price volatility, decrease dependence on oil, improve environmental performance, and provide greater efficiencies. Targets for FCEV deployment and hydrogen infrastructure development include public/private fleets, bus transit, and specialty vehicles. Zero emission FCEVs could replace existing conventional fleet vehicles in Connecticut, starting with 548 passenger vehicles providing annual CO2 emission reductions of approximately 2,600 metric tons and 43 zero emission fuel cell electric buses reducing annual CO2 emissions by approximately 3,800 metric tons.

Continued research including research from Connecticut's flagship research institution at UConn will ensure a pathway from research, to concept, to demonstration, to commercial application that will keep Connecticut and at the forefront of this emerging industry. Continued investment in research including provisions to meet federal costshare requirements is a wise investment for Connecticut.

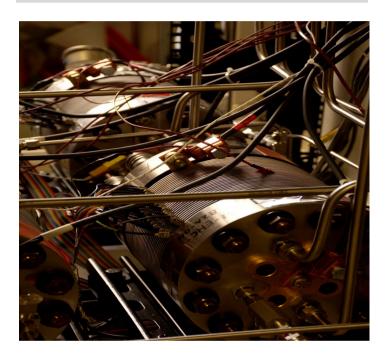
## **Market Drivers**

Economic benefits, environmental quality, and energy reliability are driving the development of hydrogen and fuel cell technologies for regional, national, and global markets. Policy for clean reliable stationary energy, energy storage, and clean transportation have been important drivers for deployment of FCEVs, hydrogen infrastructure, and fuel cell stationary power generation

Connecticut companies have developed hydrogen and fuel cell technology and created significant opportunities for more efficient use of cleaner energy, job creation, and economic development in Connecticut and the region. This technology has also provided Connecticut an opportunity to help utilize its renewable energy industry for transportation, energy storage, and electric generation at consumer sites.

The age distribution of hydrogen and fuel cell companies suggests a substantial expansion in the sector, with several small businesses exhibiting recent growth. Growth of hydrogen and fuel cell patents in the Northeast far exceeds the growth of all types of clean energy patents in the region. The proximity of the original equipment manufacturers and supply chain companies have provided a competitive advantage for research. design, development, manufacturing, and export of commercial products to national and international markets. As hydrogen and fuel cell technology advances, the number of and employment for the companies industry will grow substantially.

Fuel cell and hydrogen technology sales to markets reinforces the value of this industry to Connecticut with nearly 1.000 direct jobs, over 2,800 total jobs, over \$600 million in total revenue and investment. and \$286 million in total labor income.



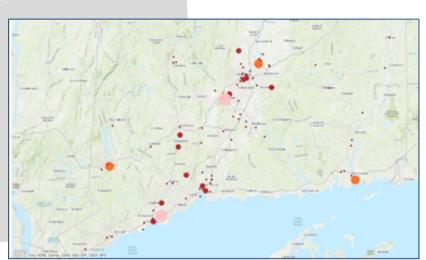
Market opportunities for research and deployment of stationary and motive hydrogen and fuel cell technology represents short-term investment for long-term productivity. Provisions for support and deployment should recognize the short-term cost facilitate long-term market productivity with an expectation of a payback on investments.

Research, development, and deployment confirms Connecticut's role as a showcase for regionally manufactured energy storage and renewable energy.

## Deployment

There are new market opportunities for additional resources: 170 MW of fuel cells 6-7 hydrogen fueling stations 591 FCEVs in Connecticut

Currently there are 176 MW of stationary fuel cells and 2 hydrogen refueling stations in Connecticut.



As shown below, research conducted from the Hydrogen Power Study Task Force (Task Force) established by Special Act 22-8, identifies approximately 176 MW of stationary fuel cell projects developed in Connecticut through 130 projects. In a report commissioned by the Connecticut Green Bank to the Connecticut Legislature, as shown below, Strategen finds that the majority of the installed capacity is from Connecticut manufactured fuel cells.

In addition, automakers are making plans to engage with regional hydrogen hubs. Connecticut hosts two hydrogen refueling stations ready for commercial operation. CT and at least eight (8) states have committed and signed a Memorandum of Understanding requiring large-volume automakers to sell approximately 3.3 M ZEVs between 2018 and 2025. This initiative will reduce carbon emissions, reduce primary air pollutants, and increase fuel diversity.

Connecticut is known as the "Fuel Cell State" for good reason. This reputation has been earned after decades of research and development in advanced space, motive stationary power, and other global markets. Continued investment in Connecticut's hydrogen fuel cell industry will provide dividends in clean energy supply, energy reliability, economic development and revenues for Connecticut, and workforce development in research and manufacturing. The industry is expected to grow within the coming years with clean energy and energy reliability at the forefront of policy initiatives throughout the nation.

#### FUEL CELL DEPLOYMENT IN THE FUEL CELL STATE

As the "Fuel Cell State," Connecticut is known nationally and internationally for its strong stationary fuel cell manufacturing sector. There is also a growing fleet of fuel cells being deployed in Connecticut. The following tables provide a breakdown of fuel cell projects and installed capacity in development (i.e., application approved) or energized from 2010 through 2022 by manufacturer.

There are approximately 130 fuel cell projects in Connecticut totaling nearly 180 MW of fuel cell deployment – of which nearly 60% of the installed capacity are using Connecticut manufactured fuel cells.

Behind the Meter projects are located on the customer side of the meter, including:

Company	Projects	Installed Capacity (MW)
Bloom	71	52
FuelCell Energy	9	13
HyAxiom	35	20
Total	115	85

Grid Tied projects are directly connected to the grid, including several Shared Clean Energy Facility Program projects in development:

Company	Projects	Installed Capacity (MW)
Bloom	2	19
FuelCell Energy	11	57
HyAxiom	2	15
Total	15	91

"Interest in the production and use of clean hydrogen in Connecticut is growing, due in no small part to the state's deep experience with fuel cell and electrolyzer manufacturing, the billions of dollars in new federal grants and tax credits available in the near term via the Infrastructure Investment and Jobs Act (IIJA) and the Inflation Reduction Act (IRA), and state and regional climate and clean energy goals. However, stakeholders have raised concerns regarding hydrogen safety, end use prioritization, cost effectiveness, community impacts, and appropriate definitions for clean hydrogen.

Clean hydrogen can play an important role in Connecticut's decarbonization efforts and overall economic growth. However, the scale of its role will be determined not only by economic and market forces but also by actions taken at the state, regional, and federal level. This report presents the findings and recommendations of the Hydrogen Power Study Task Force (Task Force) established by Special Act 22-8, which required a study of the regulations and legislation needed to guide the development of hydrogen power in Connecticut, an examination of incentives and programs created by federal legislation, and an investigation of sources and uses for potential clean hydrogen power."

Hydrogen Power Study Task Force, Strategen on behalf of the Connecticut Green Bank, March 2023

## **Events, Activities, News, Technologies & Markets**

#### Hydrogen Fuel Cell Industry is well The Connecticut positioned for world-class research, development. deployment. This industry provides:

- Hydrogen and stationary fuel cell technology, that can convert hydrogen or hydrogen rich gas into renewable energy without combustion and emissions associated with conventional power generation technology.
- As a transition strategy, fuel cells that can use clean and renewable energy to produce "Green" hydrogen needed for energy storage to meet consumer demand and reliable dispatch of energy.
- Stationary fuel cells that can provide reversible operation to use and to produce renewable hydrogen for energy storage when needed.
- Institutional research and manufacturing leadership for development and deployment of clean energy technology.
- A reliable regional supply chain hub for a clean energy economy.
- Energy storage technology to integrate renewable wind and solar energy with consumer markets.
- Transition to a decarbonized environment.

### **Coalition Industry News**

- Passage of the Infrastructure Investment and Jobs Act, and the U.S. Department of Energy "Hydrogen Earthshot" Initiative with provisions for:
  - Regional Clean Hydrogen Hubs: \$8 billion to develop at least four large-scale hydrogen hubs across the country.
  - Clean Hydrogen Electrolysis Program: \$1 billion for demonstration, commercialization, and deployment of electrolyzer systems.
  - Clean Hydrogen Manufacturing and Recycling: \$500,000 to support a clean hydrogen domestic supply chain.
- Passage of House Bill No. 5200, "An Act Establishing a Task Force to Study Hydrogen Power," The bill calls for the establishment of a Task Force composed of industry leaders, utilities, environmental advocates, and regulators to study the regulations and legislation needed to guide the development of hydrogen power, examine incentives and programs created by federal infrastructure legislation, and investigate sources for potential clean hydrogen power.
- Execution of the Hydrogen Fuel Cell Development Plan for the Connecticut Hydrogen Economy - Economic Development, Environmental Performance, Energy Reliability. This "Roadmap" identifies strategic targets for deployment of fuel cells for stationary power, hydrogen refueling, and fuel cell zero-emission vehicles.
- > Collaboration with the regional offshore wind industry to examine opportunities for energy storage. This collaboration provides potential opportunities to coordinate hydrogen storage with over 1,100 MW of offshore wind that has been procured by the State of Connecticut to meet renewable energy and carbon reduction goals.
- Collaboration with the public service industry to investigate opportunities for hydrogen blending within existing infrastructure. This collaboration provides potential opportunities to reduce curtailment of asynchronous renewable generation with energy storage and incremental decarbonization of energy infrastructure.
- Collaboration with state government and the US DOE to assist in the execution of state hydrogen transportation "Roadmaps". This collaboration provides opportunities for Connecticut hydrogen and fuel cell manufacturers to meet market demands in areas outside of Connecticut.

- Management of the Northeast Regional Technical Exchange Center and expansion of the Hydrogen Fuel Cell Supply Chain Database to support energy storage for offshore wind.
- Coordination with federal and state governments to assist domestic and international companies establish and expand operations in Connecticut.
- Coordination with state, regional, and federal entities, as listed below, to expand opportunities for Connecticut companies:
  - Department of Energy
  - National Laboratories (NREL)
  - Association of Clean Tech Incubators (ACTION)
  - Clean Cities Coalitions
  - Connecticut Green Bank
  - AdvanceCT
  - CT DEEP
  - CT DECD
  - CT DOT
- ▶ Identification and assessment of potential end user sites for hydrogen and fuel cell deployment and technical and economic cash flow analysis for selected public and private clients.
- > Assessment of opportunities for Connecticut companies to access regional activities and markets.
- > Analysis of fleet clusters, population, and registrations of existing alternative fuel and hybrid vehicles to identify opportunities for fleet FCEV deployment and hydrogen infrastructure development.
- > Continued collaboration with regional stakeholders to advance a regional Hydrogen Hub with DOE program goals to:
  - Overcome technical barriers through basic and applied research and development,
  - Integrate, demonstrate, and validate hydrogen and related technologies,
  - Accelerate the transition of innovations and technologies to the private sector,
  - Address institutional issues including safety, workforce development, and deployment, and
  - Identify, implement, and refine appropriate strategies to catalyze a sustainable market with concomitant benefits to the economy, the environment, and energy security.

## **Industry Milestones**

NASA awards Infinity Fuel Cell and Hydrogen to help make power and energy products for lunar rovers, surface equipment and habitats.

FuelCell Energy selected by DOE in collaboration with the Office of Nuclear Energy to support the design and manufacture of an electrolysis platform.

Combustion, Inc. Precision awarded a NASA project to develop a Water Management **System Reversible PEM Cells.** 

NASA awards Skyre to develop a system to make propellent from frozen water at the moon's poles.

PCI and UConn Team Win NASA Award to Develop a Fuel Cell System Capable of Using Propellant Grade Reactants.

**Nel Hydrogen Receives Purchase Order** for multiple H2Station hydrogen fueling station modules in the US.

Nel Hydrogen received a contract for a containerized PEM electrolyzer and light duty hydrogen refueling station package from a leading power and gas and utility in the US.

US Hybrid producing the fuel cell paratransit van with 250 mile-range for SARTA.

PCI Wins DOF SBIR Award for Catalytic Membrane Reactor for H2 Production with CO2 Capture.

PCI awarded project funding for Additively **Manufactured Electrochemical-Chip Based** Scalable Solid Oxide Fuel Cells.

## **Coalition Members 2022**

The Connecticut Hydrogen Fuel Cell Coalition is comprised of representatives from the fuel cell and hydrogen industry, government, and other stakeholders. General membership to the Coalition is open to any and all individuals, corporations and organizations whose fuel cell and hydrogen activities are aligned with the Coalition's goals.

**Advent Technologies** Mfr. - advent-energy.com

Air Liquide Mfr./Developer - energies.airliquide.com

Aris Energy Solutions Mfr./Developer – <u>aris-re.com</u>

Center for Clean Energy Engineering Professional Services - energy.uconn.edu

Connecticut Center for Adv. Technology, Inc. Non-Profit - ccat.us

Connecticut Clean Cities Gov. Related - <u>eere.energy.gov/cleancities</u>

Connecticut Dept. of Economic & Community Dev. Gov. - decd.org

Connecticut Department of Transportation Gov. - ct.gov/dot

Connecticut Green Bank Gov. - ctcleanenergy.com

Connecticut Siting Council Gov. - ct.gov/csc

**CTTRANSIT** Public Transit - cttransit.com

Darien High School Fuel Cell Project Education - dhsfuelcell.org

Design By Analysis, Inc. Technical Services - dbaworks.com

**Dexmet Corporation** Mfr. - dexmet.com

Doosan Fuel Cell America, Inc. Mfr. - doosanfuelcellamerica.com Engineered Fibers Technology, LLC Mfr. - eftfibers.com

FuelCell Energy, Inc.

Mfr. - <u>fuelcellenergy.com</u>

Fuel Cell Perspectives Professional Services

Infinity Fuel Cell and Hydrogen, Inc. Mfr. - <u>infinityfuel.com</u>

People's United Insurance Agency Professional Services - peoples.com/peoples

Precision Combustion, Inc. Mfr. - precision-combustion.com

Nel Hydrogen Mfr. - Nel Hydrogenhydrogen.com

Public Utilities Regulatory Authority (PURA) / Department of Energy and Environmental Protection (DEEP) Gov. - ct.gov/pura

Pullman & Comley, LLC Professional Services - pullcom.com

Robinson & Cole, LLP Professional Services - rc.com

**R&D Dynamics Corporation** Mfr. - rddynamics.com

Skyre, Inc. Mfr. - skyre-inc.com

**US Hybrid Corporation** Mfr. - ushybrid.com