



FUNDING OPPORTUNITIES

Advanced Manufacturing Projects for Emerging Research

Exploration (DE-FOA-001465)

The Department of Energy's (DOE) Office of Energy Efficiency and Renewable Energy announced three topic areas from the Advanced Manufacturing Office including Advanced Materials, Advanced Processes, and Modeling and Analysis Tools for Materials and Manufacturing.

[Read More](#) →

Combined Heat and Power Technical Assistance Partnerships (DE-FOA-001678)

The DOE's Office of Energy Efficiency and Renewable Energy's Advanced Manufacturing Office seeks to further the installation of cost-effective, highly efficient combined heat and power (CHP)

[Read More](#) →

FY17 Vehicle Technologies Deployment Funding Opportunity Announcement (DE-FOA-001639)

The DOE is issuing on behalf of the Vehicle Technologies Office (VTO), a Funding Opportunity Announcement (FOA) supporting a broad portfolio of advanced highway transportation technologies.

[Read More](#) →

Notice Of Intent To Issue a Funding Opportunity For Industrial Assessment Centers Technical Field Manager (DE-FOA-0001679)

The DOE's Office of Energy Efficiency and Renewable Energy's Advanced Manufacturing Office intends to issue a FOA entitled "Industrial Assessment Centers Technical Field Manager"

[Read More](#) →

FY17 SBIR Phase I Release 2 Topics Announced: Includes Fuel

WHAT'S GOING ON

Northeast Group Exhibit at Europe's largest hydrogen, fuel cells and battery exhibition

NEESC will be supporting the participation of seven (7) hydrogen and fuel cell supply chain companies from the Northeast US to exhibit at Hannover Messe, the world's largest industrial technology trade show. Small businesses in the Northeast will receive a discount on exhibit space and logistical support to participate in the Hannover Messe, which will be held **April 24-28, 2016 in Hannover, Germany**. If you would like to participate, please contact Paul Aresta at paresta@ccat.us for more information.

Fuel Cell Power Plant at Correctional Institution Achieves Commercial Operation, Cleanly and Affordably Enhancing Power Reliability

Danbury, CT based Fuel Cell Energy Inc. announced the commercial operation of a megawatt-class combined heat and power (CHP) fuel cell plant located at Santa Rita Jail in Alameda County, California. The fuel cell plant generates continuous on-site power and heat for the correctional facility, enhancing power reliability for critical infrastructure while simultaneously advancing its sustainability goals through the ultra-clean fuel cell generation process. [Read More](#) →

LPO Financing Can Fuel a New Wave of Vehicles

DOE's Loan Programs Office (LPO) clarified that the deployment of alternative fuel infrastructure and associated hardware and software costs may be eligible under the Title XVII loan guarantee program. Additionally, the manufacturing of infrastructure, including associated hardware and software, for FCEVs, EVs, and other alternative fuel vehicles may be eligible under the Advanced Technology Vehicles Manufacturing (ATVM) loan program. [Read More](#) →

Informal Comment Period Announced for CT's Proposed State Mitigation Plan

CT DEEP is announcing an informal public comment period on a proposed state mitigation plan for use of funds from the VW Partial Consent Decree. The informal comment period ends on February 28, 2017. DEEP will also hold a public informational meeting on February 9, 2017 at 10AM in Hartford, CT. [Read More](#) →

The SimpleFuel™ Consortium Named Winner of the \$1 Million H2 Refuel H-Prize by the U.S. Department of Energy's Fuel Cell Technologies Office and the Hydrogen Education Foundation

Ivys Energy Solutions and its partners McPhy Energy North America and PDC Machines have won the U.S. Department of

Cell Bipolar Plates, Hydrogen Delivery, and Emergency Hydrogen Refuelers

The DOE announced the 2017 Small Business Innovation Research and Small Business Technology Transfer (SBIR/STTR) Phase 1 Release 2 topics, including three subtopics focused on hydrogen and fuel cell technologies.

[Read More](#)→

Deployment of Clean Energy and Energy Efficiency Projects on Indian Lands - 2016 (DE-FOA-0001659)

The DOE's Office of Indian Energy Policy and Programs has issued a FOA to install clean energy and energy efficiency retrofit projects for tribal buildings and deploy clean energy systems on a community-scale.

[Read More](#)→

Notice of Intent to Issue Funding Opportunity Announcement (DE-FOA-0001647)

The DOE's Office of Energy Efficiency and Renewable Energy intends to issue a FOA that may include topics that will leverage FCTO's national lab consortia launched under the DOE Energy Materials Network (EMN) in FY16.

[Read More](#)→

InnovateMass Program announces grant funding and technical support

The InnovateMass Program provides up to \$150,000 in grant funding and technical support to applicant teams deploying new clean energy technologies, or innovative combinations of existing technologies with a strong potential for commercialization.

[Read More](#)→

UPCOMING WEBINARS

[Hydrogen Financial Analysis Scenario Tool \(H2FAST\) Model Summary and Demonstration \(Fuel Cell Technologies Office\)](#) - February 14, 2017 12:00-1:00 p.m.

[Fuel Cells for Portable Power Applications](#) - March 2, 2017 1:00 - 2:00 pm ET

Energy's \$1 million H2 Refuel H-Prize Competition. The goal of the competition was to develop a safe, affordable, readily deployable hydrogen refueling appliance for fuel cell electric vehicles. The SimpleFuel™ appliance is a new class of fully integrated hydrogen generation and dispensing systems capable of delivering up to 5 or 10 kg/day of hydrogen to vehicles at pressures up to 700 bar, using hydrogen produced via water electrolysis. [Read More](#)→

Officials fired up for Woodbridge Fuel Cell

State and local officials on Monday celebrated the latest milestone in an effort to provide key town buildings with power in the event of outages from a crippling storm. The new 2.2-megawatt fuel cell, provided by FuelCell Energy, located at the rear of Amity Regional High School has been operating since December. [Read More](#)→

Sustainable Innovations' CO2 Conversion System Converts Greenhouse Gases and Renewables Into A Valuable Fuel With Huge Energy Storage Potential

Sustainable Innovations, Inc. (SI) received a contract from the US DOE, National Energy Technology Laboratory (NETL) to demonstrate the electrochemical process and characterize its performance in converting CO2 to methane. This builds from Sustainable Innovations' prior success in converting CO2 to transportation fuels like methanol and important commodity chemicals, such as formic acid. [Read More](#)→

Clean Energy Compliance Contributes to Strong CT Economy

The Connecticut Center for Advanced Technology Inc. (CCAT) and the Northeast Electrochemical Energy Storage Cluster (NEESC) released a [white paper](#) that highlights the urgency to develop comprehensive clean energy portfolios that enhance energy reliability, support new technologies, improve grid management and drive economic development. [Read More](#)→

GM, Honda to jointly build hydrogen fuel cells at Michigan factory in 2020

General Motors and Honda Motor Co. plan to invest \$85 million to build hydrogen fuel cell stacks for next-generation green vehicles at a factory in Michigan. The joint venture, Fuel Cell System Manufacturing will begin producing the fuel cell systems around 2020 at GM's Brownstown Township, Mich., plant south of Detroit. [Read More](#)→

Plug Power Exceeds 2016 GenDrive Deployment Goals

Plug Power Inc. announced that it has set a Company record for deploying its GenDrive fuel cell units for the full year 2016. For 2016, Plug Power deployed 4,010 units, exceeding the Company's previously disclosed annual guidance of 3,800 to 4,000 units. Plug Power's global set of high-profile customers who received product in 2016, include Carrefour, Walmart, BMW, and Home Depot. [Read More](#)→

Energy Storage Market in New York Poised for Double Digit Growth

New York is positioned to capture significant chunks of the energy storage market nationally and worldwide, according to a

[USPTO-SBA Joint Free-Intellectual Property Webinar Series](#)-March 6-15

UPCOMING EVENTS

[FC EXPO](#) (Tokyo Big Sight, Japan) - March 1-3, 2017

[International Battery Seminar and Exhibit](#) (Fort Lauderdale convention Center- Fort Lauderdale, FL.)- March 20-23, 2017

[Hannover Messe](#) (Hannover Germany) – April 24-28, 2017

[ACT Expo and Conference](#) (Long Beach, CA) - May 1-4, 2017

Hydrogen + Fuel Cells NORTH AMERICA at [SOLARPOWER International](#) (Las Vegas, NV) - September 10-13, 2017

[2017 Fuel Cell Seminar and Energy Exposition](#) (Long Beach, CA) - Nov 7-9, 2017

new state report. “The Energy Storage Industry in New York State: Recent Growth and Projections 2015 Update” forecasts that the state could capture 15 percent of the North American energy storage market and 5 percent of the global market by 2025. [Read More](#)→

Major Collaborative Project to Deploy Fuel Cell Buses across Europe

A new collaborative initiative is ready to deploy 144 hydrogen fuel cell buses, as part of the JIVE project, and seven large hydrogen refueling stations, per the MEHRLIN project, across Europe. Worth approximately EUR 125 million, these projects represent “a step change for the hydrogen bus sector,” moving from a technology demonstration stage to a day-to-day offering for zero-emission public transport. According to the Fuel Cells and Hydrogen Joint Undertaking (FCH JU), these hydrogen fuel cell buses will offer the same operational flexibility compared with the incumbent diesel buses, without any harmful exhaust fumes. [Read More](#)→

FEATURED COMPANY

[Ivys Energy Solutions](#) is a leading solutions provider of innovative technologies and products that will greatly enhance the successful rollout of fuel cell electric vehicles. Ivys and its partners, McPhy Energy North America (Massachusetts) and PDC Machines (Pennsylvania), have combined efforts to develop SimpleFuel™ – a safe, affordable, and readily deployable hydrogen refueling appliance for fuel cell electric vehicles.

The [SimpleFuel™ appliance](#) is a new class of fully integrated hydrogen generation and dispensing systems capable of delivering up to 5 or 10 kg/day of hydrogen to vehicles at pressures up to 700 bar, using hydrogen produced via water electrolysis. The SimpleFuel™ solution will enable a quicker realization of zero-emission fuel cell electric vehicle (FCEV) adoption across the country by providing a convenient fueling network option for communities, businesses, and ride-share/fleet operators that are currently limited by a lack of hydrogen refueling infrastructure. The device is suitable for both on-road vehicle refueling, as well as industrial trucks, representing a tailored solution for both captive and tethered vehicle fleets.



The SimpleFuel™ consortium was recently named winner of the \$1 Million H2 Refuel H-Prize by the U.S. Department of Energy’s Fuel Cell Technologies Office and the Hydrogen Education Foundation. This impressive achievement represents a two-year, dedicated mission by Ivys and its partners to design, develop and validate this state-of-art appliance. The project culminated in the fall of 2016, including an open house event attended by Sunita Satyapal, Director of the Department of Energy’s Fuel Cell Technologies Office, and a 3-month data collection period fueling a commercially available Hyundai Tucson FCEV. During the demonstration period, the SimpleFuel™ appliance generated and dispensed enough hydrogen for 10,000 miles of FCEV travel, and system performance was monitored and validated by National Renewable Energy Laboratory.

For more information on how SimpleFuel™ can enable your FCEV fleet, please contact us at connect@ivysinc.com or visit www.ivysinc.com.



your on-site hydrogen fueling solution

EXPLORING NEESC SERVICES

BUSINESS TRAINING



FINANCIAL COUNSELING



MENTORING



TECH-TRANSFER



EXPORT READINESS



MANUFACTURING ASSISTANCE



MARKET DEVELOPMENT



INCUBATOR ASSISTANCE



[Contact us](#)



[Forward to a Friend](#)

The Northeast Electrochemical Energy Storage Cluster, administered by the Connecticut Center for Advanced Technology, Inc., is funded through a contract with the U.S. Small Business Administration.

Published by Connecticut Center for Advanced Technology, Inc.
222 Pitkin Street, Suite 101 | East Hartford, CT 06108 | [860.291.8832](tel:860.291.8832)
Copyright © 2015 Connecticut Center for Advanced Technology, Inc. All rights reserved. [Privacy Policy](#)

