



FUNDING OPPORTUNITIES

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

The Department of Energy (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.

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Advanced Manufacturing Projects for Emerging Research Exploration (DE-FOA-001465)

The Office of Energy Efficiency and Renewable Energy (EERE) is issuing a FOA addressing three topic areas from the Advanced Manufacturing Office.

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

EERE's Advanced Manufacturing Office (AMO) intends to issue a FOA entitled "Industrial Assessment Centers Technical Field Manager"

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FY17 SBIR Phase I Release 2 Topics Announced: Includes Fuel 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.

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

The DOE's Office of Indian Energy

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.

FuelCell Energy Expands Project Portfolio

On December 13, 2016, FuelCell Energy announced the acquisition of an operating megawatt-class fuel cell project that generates in excess of 11 million kilowatt hours annually. The installation has been operating for approximately five years with the owner selling power and steam to Central Connecticut State University under a multi-year power purchase agreement. FuelCell Energy will capture recurring and predictable monthly electricity sales by acquiring the project.

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MotorWeek "Hydrogen Drive" Segment

A new video segment produced by Maryland Public Television's MotorWeek program gives viewers a first-hand look at what it's like to drive a vehicle fueled by hydrogen and highlights the features and benefits of fuel cell electric vehicles (FCEVs). The episode also takes viewers to Washington, D.C., where the Greater Washington Region Clean Cities Coalition is using the availability of a new hydrogen fueling station, opened under a partnership between the U.S. DOE's Fuel Cell Technologies Office and the National Park Service, to encourage government fleet managers to consider FCEVs.

[Watch the Video](#) →

U.S. Senator Chris Murphy stresses importance of renewable energy jobs.

U.S. Sen. Chris Murphy told employees at a Sackett Point Road technology company that the United States needs make itself into a bigger player in the renewable energy sector. Murphy, told employees at Precision Combustion that with a new presidential administration coming to Washington, D.C., in January, lawmakers and President-elect Donald Trump need to recognize that renewable energy can be an economic growth driver for the country. "There are going to be millions of jobs in the renewable energy business in the coming years," Murphy said. "The question is, are they going to be here in this country, or someplace else, like Korea?"

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.

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

The EERE 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.

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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.

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UPCOMING WEBINARS

[Fuel Cells for Aerospace/Unmanned Vehicle Applications](#) - Thursday, January 26th 1:00-2:00pm

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

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Proton OnSite awarded deal to power Chinese buses

Wallingford's Proton OnSite has been awarded a contract to supply its hydrogen technology to power fuel-cell buses in Foshan and Yunfu, China. Three of the megawatt systems will ship this summer, and an additional 10 systems are planned to ship over the next 18 months, with the opportunity for more later. The agreement names Proton as the exclusive supplier of electrolyzers to Synergy, otherwise known as Guangdong Synergy Hydrogen Power Technology Co. Ltd.

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Delphi showcasing next-gen autonomous system at CES 2017

Delphi will use CES 2017 (Consumer Electronics Show) to demonstrate an advanced new automated-driving technology platform the company plans to make available to automakers by 2019 as a complete system to enable vehicles to operate with SAE Level 4-5 fully autonomous capability. The Delphi technology platform, called Central Sensing Localization and Planning (CSLP), leverages the latest supercomputing microprocessor chip from Intel, as well as a new sensor-fusion processor and tri-focal camera hardware from Mobileye.

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NY Green Bank Announces Its First Transaction to Expand Fuel Cell Use at Businesses Across New York State, Creating Up to 100 Jobs

NY Green Bank announced the closing of a \$25 million senior loan for Plug Power, a Latham, N.Y.-based fuel cell manufacturer, to support the deployment of 1,300 fuel cell systems in New York over the next three years at distribution centers for clients such as Walmart and Home Depot. Under the agreement, NY Green Bank is incentivizing Plug Power to create up to 100 new jobs in New York

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NEESC Presents at the 1st International Forum on Hydrogen Energy

On December 1, 2016, NEESC provided a virtual presentation at the 1st International Forum on Hydrogen Energy in Chungcheongnam-do Province in the Republic of Korea. NEESC shared information about the vision and strategies for supporting hydrogen and fuel cell development.

[Watch the Video](#)→

FEATURED COMPANY

[Protonex Technology Corporation](#) is a leading provider of advanced fuel cell power solutions for portable, remote mobile applications. Based on patented proton exchange membrane (PEM) and solid oxide fuel cell (SOFC) technologies, these power systems are among the smallest, lightest and highest-performing fuel cell systems available.

Protonex has also developed several lightweight, rugged and easy-to-use power management products designed for military and expeditionary use. This range includes the SPM-622 Squad Power Manager that dramatically reduces the number and variety of batteries needed by today's warfighter; the Advanced Battery Charger that allows end-users to charge all their batteries twice as fast, anywhere, and with half the energy; and the VPM-402 Vest Power Manager that manages and utilizes any Warfighter-worn power source for commonly used military devices.



On October 1, 2015, Protonex completed its merger with Ballard Power Systems, and is now a wholly owned subsidiary of Ballard. Protonex remains a US corporation headquartered in Southborough, MA.

Visit www.protonex.com for more information about Protonex products and solutions.



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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.