



## FUNDING OPPORTUNITIES

### State Trade Export Promotion (STEP) FY 2015

Focus: Aid companies in expanding their export initiatives and to increase eligible companies' export sales by spurring participation in export opportunities.

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### Renewable Energy Systems and Energy Efficiency Improvements Program

Focus: Guaranteed loan financing and grant funding to agricultural producers and rural small business to purchase or install renewable energy systems or make energy efficiency improvements.

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### REAP Energy Audit and Renewable Energy Development Assistance Program

Focus: Assist rural small businesses and agricultural producers by conducting and promoting energy audits, and providing renewable energy development assistance (REDA).

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### Medium and Heavy Duty Vehicle Powertrain Electrification and Dual Fuel Fleet Demonstration Modification 1

Focus: Reduce petroleum consumption through the research, development, and deployment of alternative fuel and vehicle electrification technologies.

DE-FOA-0001349

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### Deployment of Clean Energy and Energy Efficiency Projects on Indian Lands

Focus: Incentives to support the installation of facility-scale clean energy and energy efficiency projects

## WHAT'S GOING ON

### The Business of Energy Storage Forum 2015

On October 22, 2015, NEESC and Western New England University hosted a Business of Energy Storage forum, in Springfield, MA. This Forum focused on the potential markets for electrochemical energy storage systems and opportunities for their integration with renewable energy sources, and electric and gas utilities.

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### Sustainable Innovations, LLC Wins NASA Phase I SBIR to Develop Cutting-Edge Helium Recovery System

Sustainable Innovations announced its award of a 2015 NASA Phase I SBIR to further develop its Helium Recovery System (HRS) technology for use at the NASA Stennis Space Center (SSC). The HRS is able to remove and purify hydrogen from a mixed stream of gasses, leaving behind high-value helium.

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### Energy Department Invests more than \$20 Million to Advance Fuel Cell Technologies as New Report Shows Unprecedented Growth in Industry

The Department of Energy announced a new report that shows the fuel cell industry is continuing to grow at an unprecedented rate, totaling more than \$2.2 billion in sales in 2014. In order to further expand on this emerging market, DOE also announced the investment of more than \$20 million in 10 projects to advance fuel cell and hydrogen technologies, and enable early adoption of fuel cell applications.

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### Doosan Fuel Cell Inks Deal to Manufacture 70 Power Plants for Largest South Korean Utility

Samsung C&T Corp., based in Seoul, and Korea Hydro & Nuclear Power (KHNP) have partnered with Connecticut's Doosan to develop a massive clean energy project that can power as many as 71,500 Korean homes. Doosan will manufacture and ship 70 fuel cells that will produce 30.8 megawatts (MW) of clean energy and heat.

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### FuelCell Energy and County of Alameda Announce 20-Year Purchase Agreement for a Multi-megawatt Fuel Cell Power Plant at Santa Rita Jail

FuelCell Energy, Inc. announced the execution of a 20-year Power Purchase Agreement (PPA) with the County of Alameda to install a 1.4 megawatt fuel cell combined heat and power plant at Santa Rita Jail, in Dublin, California. The new fuel cell plant, to be commissioned in the second half of 2016, will replace a smaller FuelCell Energy power plant installed in

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and community-scale clean energy projects on Indian lands.  
DE-FOA-0001390

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#### **PON 2157- RPS Customer-Sited Tier Fuel Cell Program-Small Fuel Cell**

Focus: Incentives to support the installation and operation of a continuous duty fuel cell systems in New York State, with up to \$50,000 available for fuel cell systems rated at 25 kW or less.

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#### **PON 2157- RPS Customer-Sited Tier Fuel Cell Program-Large Fuel Cell**

Focus: Incentives to support the installation and operation of a continuous duty fuel cell systems in New York State, with up to \$1 million available for fuel cell systems rated larger than 25 kW or less.

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### UPCOMING WEBINARS

[Clean Power Plan: Interactions and Implications for Renewable Energy Markets](#) - November 19, 2015 | 1PM - 2PM

[Northeast States' Hydrogen Economy](#) - December 1, 2015 | 12PM - 1PM EST

### UPCOMING EVENTS

[Entrepreneur Forum](#) - November 12, 2015

[2015 Fuel Cell Seminar and Energy Exposition](#) - November 16-19, 2015

[Green Technologies Suppliers Meetings](#) - November 17-19, 2015

[The 2015 New England Venture Summit](#) - December 9, 2015

[European Fuel Cell Conference and Exhibition](#)- December 16-18, 2015

[Hannover Messe 2016](#) - April 26 - 29, 2016

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#### **Take a Test Drive in the World's First Commercial Fuel Cell SUV**

The world's first commercially available, zero emissions fuel cell electric SUV was brought to Washington, D.C. by Hyundai executives from South Korea who were in the United States as part of South Korean President Park Guen-hye's delegation visiting President Obama.

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#### **Mobility plan of the City of Paris: The French capital selects Idex-McPhy Energy to install and operate its first hydrogen refuelling station**

The City of Paris has made reducing air pollution a top priority. With this goal, as it innovates and plans for the future of its light utility vehicle fleet, the French capital has selected the Idex-McPhy Energy team to install and manage the hydrogen refueling station to be located in Ivry-sur-Seine.

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#### **State Trade and Export Promotion Funds Available To Support Exports and Trade**

The State Trade and Export Promotion Grant Program (STEP) is a 3-year pilot trade and export initiative to make matching-fund grants for states to assist "eligible small business concerns," enter and succeed in the international marketplace. Services under the STEP Program are funded in part by SBA, but are provided to eligible small business concerns – or "STEP Clients" - by STEP grant recipients located in most states and territories, and the District of Columbia.

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#### **Hydrogen Fuel Cell Vehicle's Arrival Celebrated with "Back to the Future" and Video Release**

Actors Michael J. Fox and Christopher Lloyd bring a famous trash-into-fuel scene from "Back to the Future Part II" into the present. The occasion: a celebration to mark the U.S. arrival of Toyota's Mirai hydrogen fuel cell vehicle — a modern, real-life version of Doc Brown's trash-fueled technology. The "Fueled by the Future" video is part of the "Fueled By Everything" online video series

[See the video!](#)

#### **CT National Hydrogen and Fuel Day**

Connecticut joined the nation in celebrating National Hydrogen and Fuel Cell Day on Oct. 8 to raise awareness of fuel cell and hydrogen technologies that provide reliable and resilient power, reduce greenhouse gas emissions, and increase America's energy security.

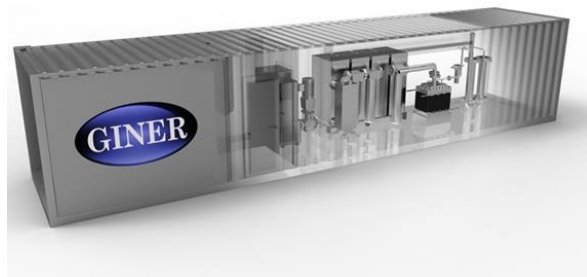
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### FEATURED COMPANY

[Giner, Inc.](#) is a 60-person company based in Newton MA, which is a world-class specialist in the research, development and commercial manufacture of electrochemical technologies. Giner has particular expertise in high efficiency, differential pressure and low cost PEM electrolyzer technologies: this year we will ship over 750

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stacks and systems for applications including California Hydrogen Refueling Stations (for fuel cell vehicles), renewable energy storage and life support systems for the US Navy and NASA. Giner has deep expertise in fuel cells and regenerative fuel cell systems, with unique experience and capabilities in systems for high altitude aircraft and satellites.



1 MW Electrolizer Stack and System

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