



FUNDING OPPORTUNITIES

CT Establishes Hydrogen Infrastructure Grant

The State of Connecticut establishes a Hydrogen Fueling Stations (H2Fuels) Grant. Up to \$450,000 will be awarded to develop and operate two publicly available hydrogen fueling stations in the greater Hartford area. **Proposals due Sept. 15!**

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PON 1219 - Existing Facilities Program

Focus: energy efficiency and peak demand reduction incentives to implement electric and natural gas efficiency improvements in New York State.

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National Science Foundation's (NSFs) Energy for Sustainability program

The goal of the Energy for Sustainability program is to support fundamental engineering research that will enable innovative processes for the sustainable production of electricity and fuels. Processes for sustainable energy production must be environmentally benign, reduce greenhouse gas production, and utilize renewable resources.

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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 system 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

WHAT'S GOING ON

US Hybrid/HCATT Operated Hawaii Hydrogen Station Completes Successful Fill for Young Brothers Fuel Cell DOE Demonstration Project

On August 5, 2015, the hydrogen refueling station operated by US Hybrid/HCATT successfully supported a 75 kg vessel fill with renewable hydrogen for the Young Brothers / Sandia Lab fuel cell project at the Honolulu Port. US Hybrid designed the Hickam Hydrogen station with 385kg of H2 storage, 150kW of solar power generation, and power-to-gas and gas-to-power units to support the HCATT/US Air Force renewable microgrid with renewable hydrogen generation.

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Finance Forum Set For September 23, 2015

NEESC and North Shore Innoventures have organized a Cleantech Energy Storage Finance Forum on Wednesday, September 23, 2015 from 5:30 PM to 7:00 PM. The event will be held at the offices of the Massachusetts Clean Energy Center, located on the 3rd floor, at 63 Franklin St., Boston, MA 02110. The Forum will feature short "pitches" from several startup companies and an interview presentation with representatives from the Massachusetts DOER, SolarCity, and NRG Energy, Inc.

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NEESC and WNE to host Energy Storage Forum

On October 22, 2015, NEESC and Western New England University (WNE) will co-host a Business of Energy Storage forum that will bring together key stakeholders in the electrochemical energy storage industry. This Forum will focus on the potential markets for electrochemical energy storage systems and opportunities for the their integration with renewable energy sources and electric and gas utilities. This event will feature a dynamic "matchmaking" session with one-on-one meetings between OEMs and potential suppliers.

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Doosan Helps Narco College Reach Clean Energy Goals and Reduce Water Consumption With New Fuel Cell

Doosan Fuel Cell announced its newest fuel cell installation at Narco College in California. The PureCell® Model 400 power plant is a key element in the college's plans to increase control over its energy mix, and is expected to reduce overall costs and lower greenhouse gas emissions at the 141-acre campus. Unlike conventional grid energy that consumes water for cooling, Doosan's fuel cell operates with zero water consumption, reducing the campus' impact on water usage in

Focus: Incentives to support the installation and operation of a continuous duty fuel cell system 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

[Fuel Cells for Wastewater Treatment Plants \(WWTP\): Hydrogen and Fuel Cells for Resilient Power](#) - Sept. 9, 2015 | 2:00 - 3:00 PM ET **TODAY!**

[Fuel Cells for Educational Facilities: Hydrogen and Fuel Cells for Resilient Power](#) - October 8, 2015 | 3:00 - 4:00 PM ET

UPCOMING EVENTS

[Transatlantic Trade and Investment Partnership Briefing](#) - September 21, 2015

[Web Design for Global Business to Business Marketing](#) - September 22, 2015

[2015 Cleantech Energy Storage Finance Forum](#) - September 23, 2015

[The Business of Energy Storage](#) - October 22, 2015

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

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

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

the drought-stricken region by 1.4 million gallons annually.

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Energy Department Announces \$10 Million to Advance Efficient Environmentally-Friendly Highway Transportation Technologies

The Energy Department announced \$10 million for eight incubator projects to develop innovative solutions for efficient and environmentally-friendly technologies that will help reduce petroleum use in the United States. *State University of New York (SUNY) at Stony Brook University* will receive \$1.0 million to eliminate the need for two fuels to achieve the efficiency and emissions improvements of the reactivity controlled compression ignition (RCCI) advanced combustion by using a single fuel with onboard fuel reformation.

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Cal State San Marcos Enlists Doosan Fuel Cells to Minimize Campus Water Use, Carbon Footprint and Reliance on Local Utilities

California State University San Marcos has finalized an agreement that will provide the 304-acre campus with two fuel cells to help the institution adhere to strict sustainability standards and reduce greenhouse gas emissions associated with energy consumption. The project will utilize power plants provided by Doosan Fuel Cell, which will shrink reliance on the San Diego power grid and will consume no water during energy production.

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Garbage In, Power out: South Carolina BMW Plant Demonstrates Landfill Gas to Hydrogen Fuel.

A BMW manufacturing plant in Greer, South Carolina, demonstrated that fuel cells can be powered by fuel from a unique source: garbage. In a first-of-its-kind demonstration, the Energy Department, BMW and project partners Ameresco, Gas Technology Institute and the South Carolina Research Authority powered some of the facility's fuel cell forklifts with hydrogen produced on-site from biomethane gas at a nearby landfill.

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FEATURED COMPANY

Sustainable Innovations develops and manufactures innovative products based on a proprietary, low-cost, large-format electrochemical platform that transforms waste gases and power into higher value forms. These products serve three global, high-value, near-term applications: recycling process waste hydrogen streams and generating hydrogen, grid scale energy storage, and recycling CO2 into valuable fuels and chemicals.



Supported by 8 years and over \$10 million of research, development and demonstration, Sustainable Innovations is undertaking the commercialization of its initial product, H2RENEW™, which produces, recovers and purifies 100% of process hydrogen while eliminating the reliability and logistics issues associated with trucks/cylinders, and at a fraction of the cost of makeup gas. Hydrogen is used extensively in high purity manufacturing and industrial processes including heat treating, specialty metals, microelectronics, glass manufacturing, and electric generator cooling. President and CEO Trent Molter stated "Our recent acquisition of critical assets of our only competitor in hydrogen purification, H2Pump LLC, greatly accelerates our ability to address the needs of industrial hydrogen users through known distribution channels, generating near-term product revenue."



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