



FUNDING OPPORTUNITIES

Deployment of Clean Energy and Energy Efficiency Projects on Indian Lands - 2016

The Department of Energy's (DOE's) Office of Indian Energy Policy and Programs has issued a funding opportunity announcement (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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Sensor and Modeling Approaches for Enhanced Observability and Controllability of Power Systems with Distributed Energy Resources (DERs)

The DOE's, National Energy Technology Laboratory (NETL), is seeking applications under this FOA, to conduct research, development and demonstrations in the areas of low cost sensors and improved modeling using sensor data input.

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Notice of Intent (NOI) DE-FOA-0001680 to Issue Funding Opportunity Announcement DE-FOA-0001647

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

WHAT'S GOING ON

Hydrogen and Fuel Cell Forum Connects Investors to Industry

The Northeast Electrochemical Energy Storage Cluster (NEESC) and the Connecticut Green Bank will co-host the **2016 Hydrogen and Fuel Cell Forum** on Thursday, November 17, 2016 at the Hilton in Hartford, Conn. The forum will offer opportunities to learn more about fuel cell electric vehicles, including a unique "Ride & Drive" experience at the Connecticut Convention Center on November 18.

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2nd Annual National Hydrogen & Fuel Cell Day Recognized by U.S. Senate

The U.S. Senate recently passed Resolution 573, which officially recognizes October 8, 2016 as National Hydrogen & Fuel Cell Day. The second annual National Hydrogen and Fuel Cell Day is being celebrated to raise awareness of a hydrogen and fuel cell technology. October 8th (10.08) was chosen in reference to the atomic weight of hydrogen (1.008).

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Europe's First Megawatt Industrial Fuel Cell Power Plant Officially in Operation

The first European fuel cell of megawatt size is now in operation. The plant, which was jointly installed by E.ON and FuelCell Energy Solutions at FRIATEC AG, over the course of at least ten years, will provide clean energy for the production processes of materials specialist FRIATEC. With a capacity of 1.4 megawatts, this fuel cell power plant is the only one of its kind in Europe to date. By using this fuel cell, FRIATEC will be able to reduce its CO2 emissions by approximately 3,000 tons per year.

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DOE Announces \$30 Million Investment in Hydrogen and Fuel Cells as Industry Continues Unprecedented Growth

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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PON 2568 CHP Program

Incentives may be available through NYSEEDA's Combined Heat and Power (CHP) Program for the installation of grid-connected CHP systems at customer sites that pay the System Benefits Charge (SBC) on their electric bill.

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UPCOMING WEBINARS

[Past, Present, and Future Challenges in Electrocatalysis for Fuel Cells](#), October 13, 2016 from 12:00 to 1:00 PM EDT

[Access to Capital Webinar](#), October 17, 2016 from 7:00 PM to 9:00 PM EDT

[Crowdsourcing Capital](#), October 19, 2016 from 12:00 to 1:00 PM EDT

UPCOMING EVENTS

[World of Energy Solutions - Messe Stuttgart](#), October 10-12, 2016

[NY BEST Energy Storage Technology Conference](#) - October 20, 2016

[European Utility Week](#) - November 15 - 17, 2016

[Hydrogen and Fuel Cell Forum](#) - November 17-18, 2016

[Defense Energy/SBIR/STTR Innovation Summit-Austin, TX](#) - November 29-Dec 1, 2016

[US Energy Storage Summit](#) - December 7 - 8, 2016

Rates

The Department of Energy (DOE) released a new report today showing continued momentum and growth in the fuel cell industry. The 2015 Fuel Cell Technologies Market Report shows that hydrogen and fuel cells continue to grow at an unprecedented rate, with more than 60,000 fuel cells, totaling roughly 300 megawatts (MW), shipped worldwide in 2015. The number of MW shipped grew by more than 65% compared to 2014. 2015 also saw the world's first fuel cell vehicles for sale.

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Governor Cuomo Announces \$3 Million Available to Municipalities for Zero-Emission Vehicles and Charging Infrastructure

Governor Andrew M. Cuomo announced \$3 million in available funding for municipalities in New York to advance the purchase or lease of Zero Emission Vehicles such as battery electric and hydrogen vehicles. The rebates will be provided through the record \$300 million Environmental Protection Fund investment in the FY 2017 State Budget, and will help New York meet its commitments under the Multi-State ZEV Memorandum of Understanding.

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Why the New Massachusetts Energy Storage Report Is Such a Big Deal

The government of Massachusetts released a study that lays out the costs and benefits of energy storage, setting the stage for a storage mandate that is yet to be determined. The report concludes that 600 megawatts of storage capacity installed by 2025 would save the state's ratepayers \$800 million in system costs.

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DOE Announces Manufacturing Training for Cleantech Entrepreneurs

The DOE announced the new Build4Scale Manufacturing Training for Cleantech Entrepreneurs to help entrepreneurs build their clean energy products by providing training on manufacturing fundamentals like material selection, design for assembly, and working with production partners. Ultimately, training entrepreneurs on the fundamentals of manufacturing will help bring promising energy solutions to market. The announcement, made by Acting Assistant Secretary David Friedman of the Office of Energy Efficiency and Renewable Energy (EERE), emphasized the critical link between U.S. leadership in manufacturing and the ongoing transition to achieve a clean energy economy.

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Hydrogen and Fuel Cell Industry Tour Opportunity Available!

NEESC has coordinated a bus tour of fuel cell installations in central Connecticut for November 18, 2016. Participants will have the opportunity to learn about hydrogen and fuel cell technologies first hand as part of the tour. Tickets for the tour are available for purchase as part of the **2016 Hydrogen and Fuel Cell Forum**. Locations for the tour will be announced soon.

FEATURED COMPANY

Lionano is a material manufacturing company that focuses on improving the key components of lithium-ion batteries.

Currently, Lionano specializes in an advanced drop-in cathode material, which the company commercially produces for major battery manufacturers. The material has been nano-engineered to create batteries with greater capacity and cycle life. This technology can enable lighter and lower cost consumer electronics, and longer range for electric vehicles.

Lionano is led by a PhD, an MBA, and a distinguished professor in electrochemistry research from Cornell, and proudly licenses technology through the University. For more information, visit Lionano.com or contact [Michael Blaney](#).



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