



FUNDING OPPORTUNITIES

FY2016 to FY2017 NOAA Broad Agency Announcement (BAA)

The Office of Finance and Administration (NFA), National Oceanic and Atmospheric Administration (NOAA) has issued a mechanism to encourage research, education and outreach, and innovative projects.

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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 NYSERDA'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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BAA FA8650-16-S-5001 Air Force Research Laboratory

The Air Force is working to identify best practices and implement solutions to improve its energy security posture.

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UPCOMING WEBINARS

[Improving Energy Resiliency with Flow Batteries](#), September 15, 2016: 1:00 PM - 2:00 PM EST

UPCOMING EVENTS

WHAT'S GOING ON

Making Connections at Energy Storage Investment Forum

To foster the growth of clean energy technologies, the Massachusetts Clean Energy Center (MassCEC), Northeast Electrochemical Energy Storage Cluster (NEESC), and North Shore InnoVentures (NSIV) are partnering to host the **Cleantech Energy Storage Finance Forum** at the offices of MassCEC in Boston on September 15 from 5 p.m. to 8 p.m.

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Energy Department Awards 43 new Business-Laboratory Collaborations under Small Business Vouchers Pilot

The Energy Department announced that 43 small businesses will participate in the second round of the Small Business Vouchers (SBV) pilot. With vouchers in hand, these businesses can better leverage the world-class capabilities of the department's national laboratories and bring their next-generation clean energy technologies to the marketplace faster. Among the selected businesses are Sustainable Innovation from East Hartford, CT and Treadstone Technologies from Princeton, NJ.

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Infinity Awarded NASA Contract For Advanced Fuel Cell Development

Infinity Fuel Cell and Hydrogen, Inc. announced that NASA Glenn Research Center will fund further development of air independent fuel cells for a possible Space Launch Systems (SLS) vehicle application, more specifically for potentially powering the Exploration Upper Stage (EUS). Infinity will utilize this follow-on Small Business Innovative Research (SBIR) Phase III funding in support of advancing its patented Non Flow Through (NFT) fuel cell stack as well as improving its Advanced Product Water Removal (APWR) technology.

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Ballard's Protonex Subsidiary Introduces Clean Energy Fuel Cell Propulsion Systems for Civilian Unmanned Vehicles

Protonex, received notification from the U.S. Department of Commerce that its family of fuel cell propulsion systems are now designated as EAR99 (Export Administration Regulations 99) compliant, creating a path for commercial export and deployment in a variety of civilian unmanned vehicle applications.

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Newark Farmers Market Maintains Commitment to Fuel Cells With New Order of GenDrive Units for Forklift Fleet

Plug Power Inc. announced that Newark Farmers Market has placed an order for 96 next-generation GenDrive fuel cell units

[DARPA SBIR and STTR Industry Day Meeting Announcement](#), September 6-8, 2016

[2016 Boston Cleantech Energy Storage Finance Forum](#), September 15, 2016

[AltWheels Fleet Day](#) - September 19, 2016

[NECEC Energy Storage Forum](#) - September 20, 2016

[2016 Ohio Fuel Cell Symposium](#) - September 26-27, 2016, North Canton, Ohio

[2016 SBIR New England Regional Summit, MIT](#) October 5-6, 2016

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

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

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

to operate its electric industrial truck fleet in Newark, New Jersey. Newark Farmers Market has utilized GenDrive systems as the sole power source for its electric industrial truck fleet since 2011, and has reinvested in the benefits of Plug Power's GenDrive fuel cells by adopting the next generation product.

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IKEA to Grow Renewable Portfolio with Fuel Cell System for Generating More Onsite Power at Store in New Haven, CT

IKEA, the world's leading home furnishings retailer, today announced plans to further the Swedish retailer's renewable commitment with plans for its first biogas-powered fuel cell system on the east coast, at its store in New Haven, CT. More than a year ago, IKEA completed installation of such a project at IKEA Emeryville, one of the Swedish company's two San Francisco-area stores. Pending permits, the New Haven fuel cell system will be installed, commissioned and operational by this Fall, bringing the IKEA fuel cell portfolio to more than 1.5 MW.

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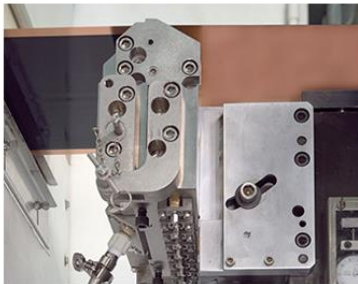
Hydrogen and Fuel Cell Forum comes to the Northeast

On November 17-18, 2016, the Northeast Electrochemical Energy Storage Cluster and the Connecticut Green Bank will host the Hydrogen and Fuel Cell Forum that will bring key stakeholders in the hydrogen and fuel cell industry together in Hartford, CT.

SAVE THE DATE - More Details to Follow!

FEATURED COMPANY

B&W MEGTEC, a wholly owned subsidiary of The Babcock & Wilcox Company, is a leading designer and manufacturer of optimized solutions in energy storage, fuel cells, and membranes. A key focus is on low-cost, high-quality membrane electrode assemblies (MEAs) produced by roll-to-roll slot die coating systems. Building on its innovations in the production of lithium-ion battery electrodes, B&W MEGTEC offers a complete roll-to-roll coating line that can manufacture all components of MEAs. The roll-to-roll process offers lower cost and higher consistency compared to the fabrication of individual sheets. The simultaneous two-sided coating process is enabled by B&W MEGTEC innovations in tensioned web over slot die coating, as well as its patented flotation drying technology. The approach enables battery and fuel manufacturers to effectively control material and process costs, and overall product quality. The expensive catalyst layers can also be applied in patterns to further minimize waste. B&W MEGTEC offers a world class development center to support the transition from lab to production scale for slot die coating and drying processes. This provides a platform to demonstrate the



Tensioned Web Over Slot Die Coating

benefits and define the machine requirements before moving to full-scale continuous roll-to-roll processes. In addition, B&W MEGTEC has skilled engineers who provide on-site process support for customers. Finally, for manufacturing processes that require use of organic solvents or other hazardous air pollutants, B&W MEGTEC offers a complete line of environmental control systems to ensure compliance with local regulations.



Intermittent Coating Pattern



EXPLORING NEESC SERVICES

BUSINESS TRAINING



FINANCIAL COUNSELING



MENTORING



TECH-TRANSFER



EXPORT READINESS



MANUFACTURING ASSISTANCE



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