



# NEWSLETTER



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June 25, 2020

I hope that you are doing well and are finding productive ways to adapt to the ‘new normal’ in our ever-changing world. The NY-BEST team has been busy across many fronts in recent weeks, and I’d like to highlight several upcoming events we have worked to create that you may find of interest.

1) [Advanced Inverter Online Course - July 7, 9 and 14, 2020.](#)

Inverters are a key technology for enabling a clean energy future. As increasing amounts of renewable energy, distributed energy resources (DERs) and energy storage are added to the grid, more sophisticated or “smart” inverter technologies will be needed. This 3-part webinar course, featuring expert speakers from the National Renewable Energy Laboratory (NREL), will provide an introduction to advanced inverters, including their capability to manage fluctuating variable sources of energy, provide services to the grid and increase hosting capacity of the distribution system to facilitate increased penetration of renewable energy. This course will be delivered over three, one-hour sessions on July 7, 9 and 14. All classes will be recorded, and recordings will be provided to paid attendees. [Click here for more information and to register.](#)

2) [Con Edison Virtual Energy Storage Day - July 16, 2020.](#)

NY-BEST and Con Edison of New York are teaming up once again to present an informative and engaging half-day virtual event on July 16, 2020 focusing on opportunities for energy storage in Con Edison territory. Energy storage installers, vendors, and project developers interested in developing energy storage in Con Edison territory are invited to attend this timely and informative event. Attendees will learn first-hand from Con Edison senior managers about the

utility's network, needs, programs and opportunities for energy storage. The half-day video-conference event will consist of panel discussions, featured presentations and interactive Networking/Ask an Expert sessions at the end of the day. [Click here for more information and to register.](#)

### **3) NY-BEST's 10th Annual Capture the Energy Conference and Expo is going virtual! - August 4-6, 2020.**

Join us on August 4-6, to participate in the premier event for companies seeking opportunities in New York's rapidly growing energy storage markets. Originally scheduled for April 2020, Capture the Energy 2020 was re-scheduled due to COVID-19. To ensure everyone's safety, and given continuing restrictions on in-person meetings and travel for many companies, NY-BEST will host Capture the Energy 2020 as a virtual experience. Capture the Energy 2020 highlights industry leaders who are advancing energy storage globally and in New York State, where the State's 3 GW energy storage goal has made it one of the fastest growing markets for energy storage in the world.

*Our engaging virtual event will take place over three half-days (12:30 PM – 5:00 PM ET/ 9:30 AM – 2:00 PM PT) featuring daily live and on-demand sessions and will include:*

- Updates and insights on New York's energy storage and clean energy markets, including opportunities for future growth;
- Dynamic keynote speakers, roundtable discussions and expert panels on how energy storage is advancing our clean energy goals and growing our economy;
- An interactive expo hall where sponsors and exhibitors can meet virtually with attendees, schedule appointments and showcase their products and expertise.
- Extensive networking and attendee participation opportunities to develop relationships and make project deals using our user-friendly event platform.

A limited number of sponsorships and spaces in our virtual exhibit hall are still available. [For more information on the conference and to register, check out the event page on our website.](#)

### **4) NY-BEST Annual Fall Energy Storage Technology and Innovation Conference - October 1, 2020**

NY-BEST is hosting its Annual Fall Energy Storage Technology and Innovation Conference on October 1, 2020 at the DoubleTree Hilton Binghamton, in Binghamton, NY. This stimulating one-day conference will address the latest innovations and technological advances in the rapidly growing field of energy storage technology, including:

- technology innovations
- advancements in product development
- commercialization and manufacturing
- innovative market applications in grid, transportation, and power electronics
- startup company showcase

NY-BEST recently issued a "Call for Abstracts" for anyone who would like to present at the conference in October. Required Abstract Submission Information:

Speakers are asked to submit the below information and as a brief abstract, not exceeding 2 pages, to Caitlin Borger at [info@ny-best.org](mailto:info@ny-best.org) no later than Friday, July 17, 2020. The submissions

will be reviewed by a team of reviewers and selected speakers will be notified. Speakers should submit:

- Name of speaker and co-authors (if applicable), company or institution, contact information (e-mail and phone)
- Title of presentation
- Description of research or project including: Background/Introduction, Objectives, Methods, Results and Conclusions
- Brief biography of speaker
- Previous presentations of the information (when, where and presented by whom)

[Additional information about the Fall Technology Conference can be found here.](#)

Finally, I'd like to mention that NY-BEST is working with NYSERDA to provide input as they prepare their funding strategies around energy storage R&D in the coming months. NY-BEST will be issuing a survey to our members and will conduct follow-up interviews with selected respondents in the coming weeks. Please keep an eye out for the survey and be sure to take advantage of this opportunity to highlight important areas for future R&D support.

Be well, and hope to see you at our events!

Sincerely,



William P. Acker

Executive Director

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## UPCOMING EVENTS



### 10th Annual Capture the Energy Conference & Expo

The New York Battery and Energy Storage Technology (NY-BEST) Consortium is hosting its 10th Annual Capture the Energy Conference & Expo August 4-6, 2020 virtually!

[Read More](#)

### NY-BEST Energy Storage Technology Conference

Join us on October 1, 2020 at the DoubTree by Hilton Binghamton,



Binghamton, NY for our Annual Technology and Innovation Conference

[Read More](#)

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## MEMBER SPOTLIGHT



Rensselaer Center for Future Energy Systems (CFES)

The hub of energy research at Rensselaer Polytechnic Institute is at the NYSTAR-funded Center for Future Energy Systems (CFES), where world-leading science and engineering researchers from different fields work to advance energy technologies. First designated in 2004 by NYSTAR as the...

[Read More](#)

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## FUNDING OPPORTUNITIES

### [Electric Power Transmission and Distribution \(EPTD\) High Performing Grid \(PON 4074\)](#)

Due Date: Continuous

Promotes the development of a high performing smart grid that accommodates a diverse supply of clean energy generation resources, enhances overall electric grid performance, and enables customers to reduce their energy costs, energy consumption, and environmental impacts. Up to \$30 million is available to support research and engineering studies, product development and demonstration projects that improve the resiliency, reliability, efficiency, quality, and overall performance of the electric power delivery system in New York State. Concept papers or proposals must demonstrate significant statewide public benefits and quantify all energy, environmental and economic impacts

### [FlexTech Program \(PON 4192\)](#)

Due Date: Continuous

The Flexible Technical Assistance (FlexTech) Program supports New York State Commercial, Industrial and Multifamily customers who pay into the Systems Benefit Charge by providing a cost-share for credible, objective technical assistance services. For more information, visit the FlexTech Homepage.

### [NY Green Bank Releases RFP 13: Financing for Energy Storage Projects](#)

NY Green Bank, a division of the New York State Energy Research and Development Authority, announces Request for Proposals (RFP) 13: Financing for Energy Storage Projects. Through this solicitation, NY Green Bank invites energy storage project developers and other storage market participants to propose transactions involving NY Green Bank that facilitate the financing of energy storage projects in New York State.

### [The New York Truck-Voucher Incentive Program \(PON 4089\)](#)

The New York Truck Voucher Incentive Program (PON 4089) offers rebates to reduce the cost of purchases of all-electric and alternative fuel trucks and buses for public, private, and non-profit fleets throughout New York State. Rebates are provided directly by truck and bus dealers and are taken off the purchase or lease price of the vehicles. Truck and bus fleets do not have to apply, they simply make sure that their dealer includes the rebate amount in their purchase. Information about the program, including full program rules and current lists of eligible vehicles and participating dealers can be found at <https://nysersda.ny.gov/Truck-Voucher-Program>

Truck and bus dealers can sign up to participate at <https://nysersda.ny.gov/Truck-Voucher-Program/For-Vehicle-Dealers>.

Original Equipment Manufacturers and upfit/retrofit manufacturers can learn how to enroll their eligible vehicles in the program at <https://nysersda.ny.gov/Truck-Voucher-Program/For-Vehicle-Manufacturers>

[More Funding Opportunities are listed Online for members](#)

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## CURRENT NEWS

NY-BEST Members

### [BAE Systems Selected by New York City to Provide Hundreds of Electric Hybrid Propulsion Systems for Transit Buses](#)

BAE Systems, a world leader in electric propulsion systems, announced its selection by New York City Transit Authority to supply 435 electric hybrid power and propulsion systems for its new fleet of transit buses, reducing carbon emissions and fuel consumption.

### [Fluence Announces 6th Generation Energy Storage Technology](#)

If you want an indication of where the energy storage market is heading, a recent announcement by Fluence is it.

### [Adding intelligent storage can boost solar project revenues by 50%. Stem claims](#)

The storage provider made the claim while announcing the completion of a front-of-meter solar project that boasts 8MWh of storage. That project, located near Springfield, MA, is one of four AC-coupled front-of-meter projects Stem is working on alongside Syncarpha.

### [Sunrun to Turn Home Batteries Into Grid Resources for 2 Major Utilities](#)

The leading rooftop installer will aggregate homes for Southern California Edison and a Con Ed utility in New York in a test of the virtual power plant concept.

### [Peaker Plants Harm Communities of Color; It's Time for New York City to Replace Them](#)

Most New Yorkers are unlikely to know about the polluting power plants located primarily in communities of color and low-income communities like the South Bronx and Sunset Park that fire up to meet peak electricity demand in New York City when millions of air conditioning units are running.

### [Quidnet Energy's \\$10M Series B Paves Way For Commercial Expansion](#)

Quidnet Energy announced on Tuesday that it closed on a \$10 million Series B round of financing and a contract with the New York State Energy Research and Development Authority for commercial demonstration of its Geomechanical Pumped Storage (GPS) technology.

### [Plug Power Completes Acquisitions of United Hydrogen and Giner ELX](#)

Plug Power Inc., a leading provider of hydrogen engines and fueling solutions enabling e-mobility, has completed the acquisitions of United Hydrogen Group Inc. and Giner ELX. These acquisitions are in line with the Company's vertical integration strategy in the hydrogen business laid out in September of 2019 with plans to have more than 50% of the hydrogen used to be green by 2024.

[Zinc8 Energy Solutions creates wholly owned US Subsidiary in New York State](#)

Canada-based Zinc8 Energy Solutions has created a wholly owned US subsidiary in New York state named Zinc8 Energy Solutions (USA) Inc.

[Stem Named Top California Commercial Energy Storage Installer](#)

Stem, Inc., the global leader in artificial intelligence (AI)-driven energy storage services, led commercial storage installations in California during 2019, with 106 sites totaling 26,991 kW, according to a recent analysis

[Work at Tesla's New York Gigafactory Restarts as Panasonic Prepares to Exit](#)

Tesla restarted work at its Buffalo, New York Gigafactory in May, not long after resuming production at its other U.S. factories in California and Nevada

[New York's Energy Transition \(and Challenges\) in 5 Charts](#)

From carbon pricing to offshore wind to huge transmission projects, New York's grid operator has its work cut out.

[SimpliPhi solar-storage VPP helps Louisiana with tentative grid-modernisation steps and backup](#)

Shreveport, Louisiana, is home to the virtual power plant (VPP) for which SimpliPhi Power contributed its lithium iron phosphate (LFP) chemistry battery storage units, integrated with inverters.

Beyond NY-BEST

[Lyft's commitment to electric vehicles is huge. Three lessons for leaders.](#)

Lyft responded to stakeholder demands for rebuilding a better future – and in particular for climate action – through a bold commitment to transition 100% of the cars on its platform to electric vehicles (EVs) by 2030.

[DOE Announces New Lab Consortia to Advance Hydrogen and Fuel Cell R&D](#)

The U.S. Department of Energy (DOE) recently announced the intention to invest up to \$100 million over five years in two new DOE National Laboratory-led consortia to advance hydrogen and fuel cell technologies research and development (R&D). This funding is subject to appropriations.

[News Release: Research Determines Financial Benefit from Driving Electric Vehicles](#)

Over a 15-Year Life, EVs Can Save Thousands of Dollars in Fuel Costs Compared to Gasoline Vehicles

[Apple Maps gets electric vehicle routing to find EV chargers](#)

The EV routing feature, which will be available in the newest version of iOS, is one of several improvements that Apple is making to Maps.

[One of These Is Not Like the Others: Federal Regulatory Efforts to Adapt to the Expanded Use of Energy Storage](#)

Federal Energy Regulatory Commission (FERC) electric regulation has traditionally put resources into defined categories (generation, transmission, distribution), but energy storage devices defy easy categorization.

['Calm before the storm': US deployed 98MW / 208MWh of energy storage during first quarter of 2020](#)

Research firm Wood Mackenzie has held onto its forecast that the US will deploy around 7GW of energy storage annually by 2025 and found that 97.5MW / 208MWh of storage was installed during the first quarter of this year.

[10 Bonus EV Battery Stories](#)

Here are 10 recent stories that couldn't quite catch their own headline here on CleanTechnica but seemed worth highlighting.

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