



NEW YORK BATTERY
AND ENERGY STORAGE
TECHNOLOGY CONSORTIUM

NEWSLETTER

November 19, 2019

Thank you to everyone who participated in the recent NYS Department of Public Service (DPS) Stakeholder forum to begin the evaluation of utilities' Allocated Cost of Service (ACOS) studies, Standby Service Rates, Buyback Service Rates, and Optional Mass-market Demand Rates. This includes contract demand charges that can make it uneconomic for energy storage projects to connect to the distribution system. NY-BEST strongly encouraged DPS to hold this forum and we encourage members to participate. In [the Commission's Order on Standby and Buyback Service Rate Design and Establishing Optional Demand-based Rates](#) (Value Stack Order), issued May 16, 2019, the Commission required each major investor-owned electric utility to file new Standby and Buyback Service rates based on an Allocated Embedded Cost of Service Study (ACOS). The utilities filed their ACOS studies and draft tariffs on September 23, 2019. (See [PSC case 15-E-0751](#) to see these filings.)

Also recently, the NY Green Bank, a division of NYSERDA, announced *Request for Proposals (RFP) 13: Financing for Energy Storage Projects*. Through this solicitation, the NY Green Bank invites energy storage project developers and other storage market participants to propose transactions that facilitate the financing of energy storage projects in New York State. Through this RFP, NY Green Bank seeks to accelerate the deployment of energy storage projects and provide a financing framework that may be utilized in the future by equity investors and private sector lenders. More information on the RFP is available on the [NY Green Bank website](#).

Coming up on December 12-13 in Albany, [Solar and Energy Storage New York](#) strives to be a cutting-edge event centered around the trends, technology, and research that power the storage industry. At times, debatable issues are discussed at Solar Power Events. These debates make the industry stronger and facilitate the healthy exchange of ideas in a collegial setting. All Solar Power Events speakers will

strive to present balanced perspectives on contentious issues in a professional, constructive manner. As NY-BEST's Executive Director, I will be speaking the morning of December 12 on Business Model Approaches for Energy Storage in NY State. Check out the [speaker agenda and registration information here](#).

Finally, I'd like to invite you to save the date for the [10th Anniversary NY-BEST Capture the Energy 2020](#) to be held in Albany on Wednesday April 1 and Thursday April 2, 2020. This event promises to be our largest and best to date and [sponsorship opportunities are available](#). We look forward to seeing you there!

Best Regards,



William Acker
Executive Director



Upcoming Events

10th Annual Capture the Energy Conference & Expo

Apr 1 7:45 am - Apr 2 1:30 pm

Solar and Energy Storage New York

Dec 12 8:00 am - Dec 13 12:30 pm



Member Spotlight: WEG



WEG's battery energy storage solutions (BESS) business is developing grid-scale projects in the U.S. and providing turn-key equipment and services around the world. The team (acquired in February 2019 from Northern Power Systems) has been designing and building battery systems and other...

Latest News

The Latest News From The Battery And Energy Storage Industry

Funding Opportunities

NY-BEST members received information in this newsletter about upcoming funding opportunities. Becoming a member is easy and economical. Visit <http://www.ny-best.org/Join> for more information.

If your organization is a NY-BEST member, [simply login](#) to access all funding opportunities.

No account? Click "Create New Account" from the [login page](#).

NY-BEST Member News

Energy Storage North America names 2019 innovation, champion award winners

The champions of the day were Martin Adams, general manager and chief engineer of the Los Angeles Department of Water & Power, along with Alicia Barton, president and

CEO of the New York State Energy Research and Development Authority. Adams was the utility champion, while Barton was the policy champion.

[*Profiles in Connecticut innovation: High-energy Cadenza makes power storage more efficient*](#)

As befits the head of a company advancing lithium-ion battery technology, Dr. Christina Lampe-Onnerud, founder and CEO of Cadenza Innovation, exudes positive energy.

[*GE & ENMAX to implement Canada's first hybrid electric gas turbine*](#)

GE Renewable Energy and ENMAX have announced that they have reached an agreement to upgrade an existing LM6000 Gas Turbine (GT) at ENMAX's Crossfield Energy Center in Alberta, Canada with GE's award-winning Hybrid Electric Gas Turbine technology.

[*Incentives spur rapid storage growth in New York, outpacing distributed solar expansion: NYSERDA CEO*](#)

NYSERDA announced a variety of state-wide incentives at a total cost of \$405 million in April, to stimulate the storage market as the state moves toward its 3,000 MW by 2030 goal. Half a year later, \$92 million of that budget has been committed to 37 projects, representing about 150 MW of capacity.

[*EDF Looks to EV Charging to Boost Energy Storage Revenue*](#)

Executives from Pivot Power, a firm recently acquired by EDF, explain how EV charging could provide 30 percent of the revenue for its battery projects.

[*Stem Joins Forces with NEC Energy Solutions to Deliver Turnkey Offering for Solar + Storage Optimization*](#)

Through a master supply agreement, Stem will resell and integrate its Athena AI platform with NEC's GSS® end-to-end grid storage solution.

[*BAE Systems Introduces EV Propulsion System For Transit Buses*](#)

The technology adds to the company's 20-plus years of experience developing and integrating electric-hybrid propulsion systems and accessories for transit buses. The Series-EV system builds on that core technology, but eliminates the need for a combustion engine to drive the bus.

[*New York Approves 316MW Battery Plant for Peak Power, First of Its Kind in Region*](#)

The batteries would replace old combustion turbines at the Ravenswood plant in Long Island City, Queens.



News From Beyond New York

[*In search for cheaper, longer energy storage, mountain gravity could eventually top lithium-ion*](#)

Mountain gravity energy storage could be a viable way to store electricity for longer durations and at larger scales than lithium-ion battery storage can, according to a study recently published in the academic journal Energy

[*Vivint Launches Solar-Storage PPA in California, Citing Wildfire-Related Demand*](#)

Vivint Solar will expand its residential storage offerings in California with a new power-purchase agreement that packages batteries and solar into one monthly payment.

[*What's Hydrogen's Future As Transportation Energy?*](#)

Hydrogen is often touted as an important transportation “fuel” in the future, though it has never gotten significant traction. One reason is confusion over what it is – it’s not an energy source, though it is used like a fuel, but rather a form of energy storage.

[*U.S. auto showrooms need more electric cars, environmental group says*](#)

The Sierra Club on Tuesday urged automakers and dealerships to help cut U.S. carbon emissions and fight the climate crisis by making more electric vehicle available in U.S. showrooms.

[*California sees solar+storage domination by 2030 with 11 GW / 44 GWh of batteries*](#)

The state’s 2019 IRP sees just over 11 GW solar power, and at least 11 GW – with up to 19 GW – of energy storage necessary to meet resource adequacy

[*All The Energy Storage The Grid Needs Will Soon Be Under Our Noses*](#)

If energy and transportation planners stop seeing their sectors as separate markets for batteries—a World Resources Institute researcher argued last week—there will be more than enough energy storage to go around.

[*Ford Electric Vehicle Chief Sees More Products, Sales Growth*](#)

Next week in Los Angeles, Ford will show off an electric SUV that is inspired by the Mustang performance car. It's the company's first consumer-friendly fully electric vehicle, and it's expected to have a range of over 300 miles per charge.

ENERGY STORAGE:
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This email is provided as a service to members and interested parties of the New York Battery and Energy Storage Technology Consortium. NY-BEST is an industry-led coalition working to build a vibrant, world-class, advanced battery and energy storage sector in New York State.