



NEW YORK BATTERY
AND ENERGY STORAGE
TECHNOLOGY CONSORTIUM

NEWSLETTER



December 20, 2019

As 2019 draws to a close, it seems only right to reflect on the year that was and to look ahead to the year to come. In both cases, I think it's safe to say that Energy Storage has played, and will continue to play, a major role in meeting goals for deployment of renewable energy, reductions in greenhouse gases and the modernization of the grid and transportation systems in New York State, the rest of the US, and indeed the world. We are proud to have had a hand in driving the process that lead to the success that storage has seen in our State, and to have had the privilege to work alongside talented, passionate stakeholders of all types—policymakers, industry participants, utility and academic leaders and a host of others—to make New York State among the leading places on the planet to be working on batteries and energy storage. New York is a leader in its commitments to a clean, renewable grid and transportation system, and this commitment certainly extends to energy storage.

As we enter NY-BEST's 10th year of operations, I am more optimistic than ever before that we will meet the nation leading goals set by our State, and that storage will play a pivotal role in doing so. Thank you to all who have been with us for the full ten years and to all who have joined us on the path to making New York a leader in storage technology and deployments.

In anticipation of the great year to come, 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!

Wishing you all happy holidays and a wonderful new year!

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

Member Spotlight: TRC



TRC

TRC is an energy industry pacesetter and pioneer. Our teams have steered U.S. breakthroughs in renewable energy development, end-user energy management and environmental protection since the 1970s. We plan, permit, engineer and construct utility-scale solar energy projects with developers, utilities...

Latest News

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

[Enel X, Related Cos. Install NYC's Largest Battery](#)

An innovative approach to sustainable power at a Brooklyn retail center promises a new delivery model.

[One More Time, With Feeling: GE's Latest Approach to Energy Storage](#)

After a long evolution, GE now sees integrating batteries with renewables or gas turbines as its best place to add value.

[Highview Power launches liquid air energy storage into the US with 400MWh Vermont project](#)

Highview Power is laying claim to the first installation of a long duration liquid air energy storage (LAES) system in the United States.

[Eastern US grid connection queues for 2020 have 19,013 MW of renewables, storage](#)

The US Northeastern ISO power markets have 19,013 MW of renewable energy and energy storage resources expected to come online in 2020 according to grid interconnection queue data, compared with a total of 153,488 MW in the interconnection queues for all years.

[New York town picks 80MWh ESS alternative to fossil fuel project](#)

A dramatic twist was added to a legacy pipeline of energy projects serving the town of Ulster, New York, with the local community now set to benefit from a large-scale battery energy storage system, instead of fossil fuels.

[*New York is a 2 GW solar state*](#)

What was billed as the opening of the state's newest community solar project became a monumental day in New York solar history. The installation, a 6.12 MW project developed by ForeFront Power in Mechanicville, put New York at over 2 GW of solar installed. The Empire State has now become the 9th in the country to have more than 2 GW of solar capacity installed.

[*Lockheed Martin locked onto 2020 flow battery launch*](#)

Defense and aerospace giant Lockheed Martin wants to be the first disruptive company of the flow battery era, with the expectation that its first devices will go into series production before the end of this year.

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News From Beyond New York

[*What a Year! 10 Stories That Propelled Energy Storage in 2019*](#)

More batteries installed. More markets opening up. And grid storage making itself indispensable in unanticipated ways.

[*A Peek into the Battery Technology Pipeline*](#)

Scientist Gerbrand Ceder evaluates some of the most promising battery technologies in development

[*Energy Storage: Plenty in Store*](#)

Large-scale projects are emerging nationwide, bringing cost savings and more sustainable property operations.

[*California moves to boost storage to combat safety-driven power shutoffs*](#)

California regulators are proposing to authorize an annual collection of \$166 million from ratepayers from 2020 through 2024 to fund the state's Self-Generation Incentive Program (SGIP) — and 85% of that budget will be allocated to energy storage technologies, in a bid to help communities that experience frequent public safety power shut-offs.

[*For a smart transition to 100% clean energy: Renewables, storage and, in some cases, new gas*](#)

In clean energy circles, 2019 may be remembered as the "Year of 100 Percent." Five

states plus Puerto Rico passed laws in 2019 targeting 100% clean energy, while dozens of corporations and utilities made voluntary pledges.

[IBM's cobalt-free EV battery uses materials extracted from seawater](#)

Today, most EVs run on lithium-ion batteries made with heavy metals like cobalt, of which there is a limited supply and less than ideal mining conditions. The IBM Research Battery Lab may have a solution: a new battery built without heavy metals. It's made, instead, with materials that can be extracted from seawater.

[Here comes affordable large-scale grid storage for renewables](#)

A new flow-battery membrane made from novel materials could drive the cost down for storage for renewables for long-term use.

[Electric school buses are an ingenious solution to help utilities build more battery storage](#)

The vehicles lower pollution—and since their use is so predictable, energy companies can plan on having the batteries available to help stabilize the grid at night and during the summer.

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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.