



New York Battery and Energy Storage Technology Consortium, Inc.

NEWS

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Study Finds Energy Storage Can be a Cost-effective Alternative to New Transmission Lines in New York

Utilizing energy storage as an alternative to traditional transmission lines will support integrating new renewable energy, save consumers money and reduce impact on environment

(Albany, NEW YORK, January 9, 2023) – A new [study](#) released by the New York Battery and Energy Storage Technology Consortium (NY-BEST), in partnership with the consulting firm, Quanta Technology, examines several use cases around the globe and in New York State and finds that energy storage can cost-effectively be used as an alternative to traditional transmission lines to integrate increasing amounts of renewable energy, maintain reliability and modernize the electric grid. According to the study, using energy storage as a transmission asset (referred to as SATA) can produce savings for consumers and limit the impacts on land resources and the environment.

“New York State is transforming its electric system into one that is cleaner and more resilient and is projected to invest several billion dollars on transmission upgrades and expansions to deliver new renewable energy sources to customers. While energy storage cannot completely obviate the need for all new transmission lines, as our study shows, there are several cases where using energy storage as a transmission asset can avoid overbuilding new transmission lines and greatly reduce the potential impact on New York ratepayers.” said Dr. William Acker, Executive Director of NY-BEST.

The study, conducted by Quanta Technology, examines specific energy storage projects in Germany, Columbia, the Midwest United States and Massachusetts and illustrates the cost-effectiveness of SATA as an alternative to traditional transmission to integrate renewable energy, ensure reliably and generate savings for consumers. The study also examines three different uses cases for energy storage to be used as an alternative to transmission in New York State. The examples presented demonstrate that energy storage can cost-effectively transmit renewable energy between different geographic areas of the state, improve deliverability of energy, reduce congestion on the electric grid and generate significant savings for consumers.

The study recommends that transmission planning processes be improved to better incorporate and evaluate energy storage as a transmission asset, including examining the planning rules, tariffs and market designs which to date have resulted in denying and inhibiting SATA development in New York. The study notes that energy storage as a transmission asset can assist grid operators and lead to a more reliable and resilient electric power grid.

The full Report can be viewed [here](#). For more information, NY-BEST is hosting a [free webinar](#) on the study on January 12, 2023 at 2 PM ET . Registration is required.

About NY-BEST

The New York Battery and Energy Storage Technology (NY-BEST) Consortium is a non-profit corporation and industry-led consortium with more than 175 organizational members. NY-BEST's mission is to catalyze and grow the energy storage industry and establish New York State as a global leader in the energy storage industry. Learn more at www.ny-best.org

About Quanta Technology

Quanta Technology is an independent technology, consulting, and testing company providing business and technical expertise, along with advanced methodologies and processes, to utilities and others in the power and energy industries. Our mission is to provide unparalleled value to our clients in every engagement across the value chain by using advanced software and hardware, laboratories, and custom tools for a holistic approach to practical service and the most insightful thought leadership in the industry. Learn more at <https://quanta-technology.com/>

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