

ContainerPower Energy Solutions

New energy transmission replaces energy storage



Overview

Is energy storage a cost-effective alternative to traditional transmission lines?

Energy storage is a cost-effective alternative to traditional transmission lines for integrating renewable energy, maintaining reliability and modernizing the electric grid, according to a recent study.

Can energy storage avoid overbuilding new transmission lines?

“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 William Acker, executive director of NY-BEST.

Can storage be used as a transmission asset?

Using storage as a transmission asset, or SATA, can yield savings for consumers and limit the impacts on land resources and the environment, said the study by the New York Battery and Energy Storage Technology Consortium, or NY-BEST, in partnership with Quanta Technology.

Why is energy storage important?

The unique characteristics of energy storage allow these assets to provide many potential services to grid operators. During normal operation, storage can have positive impacts on transmission systems by shifting demand, supporting ancillary services, and managing transmission congestion. Is the ownership limited to TOs?

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How does storage affect transmission systems?

During normal operation, storage can have positive impacts on transmission systems by shifting demand, supporting ancillary services, and managing

transmission congestion Is the ownership limited to TOs?

Can the utilities buy assets that are already in development through a build transfer or a tolling agreement?

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Are energy storage projects competitive?

Executive Summary Energy storage development, permitting, storage can an are becoming competitive as an alternative to traditional increasingly be added incrementally construction project typically to address any uncertainties in transmission needs.

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