

Can energy storage be part of a transmission solution?

For energy storage to be part of the transmission solution, storage developers need to work with transmission owners and follow the Regional Transmission Organization (RTO) transmission planning protocols. Federal Energy Regulatory Commission (FERC) Order 841 mostly treats Electric Storage Resource (ESR) as a generation asset.

Should energy storage be a transmission asset?

Adding a flexible resource like energy storage adds another level of complexity. Focusing on transmission project types and understanding that the business case for a reliability project type will look different relative to an economic project type, enables the storage industry to challenge RTOs and treat storage fairly as a transmission asset.

Is storage a transmission asset?

With its SATOA proposal at FERC, MISO is taking a narrow view of storage as a transmission asset, limiting the revenues of storage resources to qualify as a preferred solution to a transmission reliability issue alone. The industry is better off by looking at all the transmission project types available at MISO in its planning function.

Is energy storage in New transmission line development?

These MISO TOs have recently released a "Transmission Vision Report".<sup>35</sup> The words "energy storage" or "storage technologies" are mentioned 26 times in the report indicating consideration of storage in new transmission line development.

Does FERC Order 841 treat energy storage as a transmission asset?

Federal Energy Regulatory Commission (FERC) Order 841 mostly treats Electric Storage Resource (ESR) as a generation asset. To date, no FERC order lays out a path for treating energy storage as a transmission asset.

Does energy storage qualify as an "other"?

For energy storage to qualify as an "other," transmission planning engineers must find energy storage as a solution for reliability, age and condition, load growth, and local planning criteria need in the planning models. RTOs do not own generation, transmission, or distribution assets.

On February 24, 2023, the U.S. Department of Energy (DOE) released for public comment a draft of its National Transmission Needs Study ("Needs Study"), which endorses boosting overall ...

Federal regulators have accepted a proposal from ISO New England that will allow for energy storage to "play an important role in ensuring a reliable transmission system," ...

1 ¶; It is estimated that transmission capacity must double or triple from existing levels to accommodate a national transition to renewable energy, yet transmission has historically been ...

Transmission of hydrogen for commercial consumption in the nited States 2 Current state of US pipelines As of 2020, there are around 1,600 miles of gas pipeline dedicated to hydrogen ...

recommendation, or favoring by the United States Government or any agency thereof, or The Regents of the University of California. The views and opinions of authors expressed herein do ...

This paper reviews regulatory proceedings to define three types of energy storage assets than can interact with the transmission system: storage as a transmission asset, storage in place of ...

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