



Why energy storage needed special attention by ferc

Lawyer John Leonti said that the FERC interconnection reform process is another side of the coin to other big picture efforts in the US, such as the Inflation Reduction Act (IRA) and its introduction of investment tax credit (ITC) incentives for standalone storage, that make it "an exciting time for batteries". "It just goes to show that the (Biden-Harris) administration is serious about ...

In my experience, most FERC NOPRs that deal with an existing CIP standard start with an affirmation that the standard has met its objective and continue to say that more is needed (of course, adding Protected Cyber Assets to the three Cyber Asset types already addressed in CIP-013, as item B suggests, is an example of that).

All the grid operators within FERC jurisdiction must comply with FERC order to allow "electric storage resource" to participate in their markets. Storage increases capacity value of renewables and decreases variability as the grid makes way for more renewables such as wind and solar.

On May 13, 2024, the Federal Energy Regulatory Commission (FERC or Commission) issued Order No. 1920, its long-awaited Final Rule relating to long-term regional planning and regional cost allocation. This article summarizes key provisions of Order No. 1920, and also discusses key takeaways from Order No. 1920 for those developing, owning, and investing in clean energy ...

Energy storage is key to secure constant renewable energy supply to power systems - even when the sun does not shine, and the wind does not blow. Energy storage provides a solution to achieve flexibility, enhance grid reliability and power quality, and accommodate the scale-up of renewable energy. But most of the energy storage systems ...

The fix comes in the form of a blanket order to make markets accessible to storage, plus some specific requirements. Grid operators are given nine months to create a "participation model" for storage - a set of rules that ensures storage is allowed to provide any and all services it is technically capable of, even if the service is one the grid operator doesn't ...

On July 28, 2023, the Federal Energy Regulatory Commission (FERC) issued a 1,500-page rule on a seemingly obscure topic: how to improve the process for plugging new power plants into the grid. Using language usually reserved for sweeping social programs, FERC chairman Willie Phillips declared this a "watershed moment for our nation's transmission grid" and an "exciting ...

News Release: February 15, 2018 Docket Nos. RM16-23 Item No. E-1 Order No. 841 (Errata Notice) The Federal Energy Regulatory Commission (FERC) today voted to remove barriers to the participation of electric storage resources in the capacity, energy and ancillary services markets operated by Regional Transmission Organizations and Independent System Operators.



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Energy Storage Integration Part 2- CAISO According to CAISO President & CEO Elliot Mainzer, "California's drive for decarbonization has placed the ISO on the leading edge of the energy storage revolution." The ISO is projecting a four-fold increase in the amount of battery storage on its system from late last year to this summer.

The energy storage industry sees FERC Order 841 as a long-overdue overhaul of the wholesale markets. However, ISO/RTOs are at different stages of storage development and needs on their individual systems. The ask of the industry is different in each of these wholesale markets administered by the grid operators.

FERC order 841 was hailed by some as a watershed moment in energy storage history. But the devil's in the implementation. Taken at its most basic level, what the FERC did was simple: its order 841 states that operators of regulated wholesale electricity markets --otherwise known as Independent System Operators (ISOs) and Regional Transmission ...

Other key applications are for energy and ancillary service markets, which require a high degree of performance guarantee and availability. All of this emphasizes the need for detailed design, proper engineering, and careful implementation based on best industry practices to achieve successful and high-performing projects. Energy Storage

Without a mandate from FERC, New York Independent System Operator (NYISO) and others will lead the industry with their dual participation models. If FERC storage order 841 is any indication, ISOs need time to work together with their stakeholders on compliance plans. There are three reasons why FERC should release the DERA order now.

We need significantly more attention to the quality of the models submitted and the quality of the studies conducted. FERC Order 2023 marked a "win" in this area as the Federal Energy Regulatory Commission (FERC) adopted the strong recommendations made by NERC; a necessary but not sufficient step to shore up these challenges.

On July 9, 2024, the U.S. Court of the Appeals for the D.C. Circuit held that the Federal Energy Regulatory Commission (FERC or the Commission) erred in ordering refunds for certain bilateral spot market transactions in the Western Energy Coordinating Council (WECC) region that exceeded the \$1,000/megawatt-hour (MWh) "soft" price cap for such sales. 1 ...

After a MISO filing in December 2019, several protests, comments and answers, a technical conference and responsive pleadings, FERC approved, effective August 11, 2020, in Docket ER20-588, changes to the MISO OATT that provide for storage to be treated as a transmission asset for transmission planning and project selection. FERC required MISO to ...

The DOE should survey how technologies have been treated in the past and, consistent with the existing



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FERC definitions, develop a framework for distinguishing demand response, energy storage, and other technologies from one another, providing guidance to harmonize definitions.

In terms of the sales and distribution of natural gas, the Federal Energy Regulatory Commission, or FERC, has regulations that specifically focus on the sale and distribution of natural gas. This is another case in which these aren't necessarily safety requirements but rather how the sale and distribution of that gas infrastructure should be ...

FERC Order 841 focused on standardizing electric storage resource (ESR) participation in wholesale energy, ancillary services, and capacity market ruleset, by treating storage as a generation resource. Treatment of ...

Going beyond Order 841 to more meaningful FERC storage policy. More than two years after the Federal Energy Regulatory Commission issued Order 841, its last major legal hurdle was recently settled by the DC Circuit Court of Appeals. The Court affirmed that FERC has ultimate say over even small-scale storage on the distribution system if that ...

The Federal Energy Regulatory Commission, commonly known as FERC, issued a sweeping new rule last week that does something so daring, so bold, and so eminently logical that it's a wonder it didn't ...

While non-battery energy storage technologies (e.g., pumped hydroelectric energy storage) are already in widespread use, and other technologies (e.g., gravity-based mechanical storage) are in development, batteries are and will likely continue to be the primary new electric energy storage technology for the next several decades.

FERC's NOPR encourages energy storage, as more interconnection customers want to add energy storage to an interconnection request. The NOPR establishes that the transmission provider must evaluate such a request within 60 days to determine if the addition changes the maximum injection rights.

A recent Federal Energy Regulatory Commission (FERC) order defines energy storage as "a resource capable of receiving electric energy from the grid and storing it for later injection of ...

FERC determines whether an energy storage facility is a transmission asset on case-by-case basis by determining if the storage facility performs a transmission function. In its Order dated December 21, 2020, FERC found that the Middle Creek Project is not appropriately classified as a transmission asset eligible for recovery through AEP's ...

FERC considers IBRs to include all generation resources that connect to the electric power system using power electronic devices that change direct current (DC) power produced by a resource to AC power, including battery storage resources.



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FERC denied a complaint from the New York Public Service Commission and the New York State Energy Research and Development Authority seeking an exemption for electric storage resources from NYISO ...

recent Federal Energy Regulatory Commission (FERC) order defines energy storage as "a resource capable of receiving electric energy from the grid and storing it for later injection of electric energy back to the grid."2 FERC considers technologies that do not discharge electricity back to the grid as demand-response resources.

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