

New requirements for wind solar and energy storage





Overview

The 2023 NEC update reflects the growing adoption of renewable energy systems, such as solar photovoltaics (PV), wind turbines, and energy storage systems (ESS). The new requirements address emerging technologies, offering enhanced safety measures and clear guidance on installation best practices. Should wind & solar equipment be required to get a permit?

Kolkhorst's bill would require any wind or solar equipment generating anything greater than 10 megawatts to seek a permit with the Public Utilities Commission, the state agency that regulates electric, telecommunications and some water and wastewater utilities.

How long does a wind and solar energy policy last?

The policy, effective immediately and with no expiration date, requires nearly all federal actions related to wind and solar energy facilities to undergo centralized, multi-tiered review culminating in approval by the Secretary of the Interior.

Could a new Treasury make wind and solar projects more affordable?

Now, Clark explained, Treasury could instead give wind and solar projects less time to get online. Second, Treasury could create stricter definitions of commencing construction. That might mean increasing the amount of money a project needs to spend to qualify, up from the current rate of 5% of project costs.

How will FERC's new energy standards help the grid?

"These standards will help us solve one the biggest problems we're facing, as we make the transition to clean energy resources," FERC Chairman Willie Phillips said. "We need to make sure that these promising new technologies can enhance, not weaken, reliability of the grid."

Will wind and solar developers qualify for inflation Reduction Act tax credits?



After securing President Trump's signature last weekend, the One Big Beautiful Bill is now law. But there's still substantial uncertainty for clean energy developers — particularly for wind and solar — about whether and how they'll be able to qualify for Inflation Reduction Act tax credits.

When will the DOI wind and solar memo be released?

3. Tax Credit Risks: The timing of the release of the DOI Wind and Solar Memo coincides with the July 4, 2025 signing of the One Big Beautiful Bill Act, which phases out clean energy tax credits for wind and solar projects after December 31, 2027, unless construction begins by July 4, 2026.



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CE UN38.3 MSDS



[DOI Imposes New Review Rules on Wind, Solar Projects](#)

On July 15, 2025, the U.S. Department of the Interior (DOI) issued a memorandum establishing significantly heightened review procedures for federal decisions, actions, ...

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Hydrogen energy storage requirements for solar and wind energy

Wind and solar energy production are plagued, in addition to short-term variability, by significant seasonal variability. The aim of this work is to show the variability of wind and ...

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[New Energy Storage Technologies Empower Energy ...](#)

1. Electrochemical and other energy storage technologies have grown rapidly in China Global wind and solar power are projected to account for 72% of renewable energy generation by ...

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What Treasury's new safe harbor rules will mean for wind and solar

But the executive order Trump issued at the beginning of this week, which focused specifically on wind and solar, is likely to upend that framework. The order instructs the ...



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Critical 2023 NEC Update: Electrical Requirements for Renewable Energy

With the rapid rise of renewable energy, the 2023 National Electrical Code (NEC) has introduced critical updates to ensure the safety and efficiency of solar, wind, and energy ...

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FERC Moves to Protect Grid for Transition to Clean Energy ...

FERC today directed new reliability standards to protect the grid as the nation makes the transition to expanded use of clean energy technologies.

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Texas Senate Bill 819: Fresh rules for renewable energy generation

Texas Senate Bill 819 is set to introduce significant changes to the regulatory landscape for renewable energy generation in the state. This legislation aims to impose new ...

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[Critical 2023 NEC Update: Electrical Requirements for ...](#)

With the rapid rise of renewable energy, the 2023 National Electrical Code (NEC) has introduced critical updates to ensure the safety and efficiency of solar, wind, and energy ...

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[Hybrid Distributed Wind and Battery Energy Storage Systems](#)

Although interconnecting and coordinating wind energy and energy storage is not a new concept, the strategy has many benefits and integration considerations that have not been well ...

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New regulations for renewable energy possible in Texas , The ...

Legislation by state Sen. Lois Kolkhorst, R-Brenham, will dramatically test its ability to maintain its momentum. The legislation proposes sweeping administrative rules, imposes ...

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State by State: An Updated Roadmap Through the Current US Energy

Energy storage resources have become an increasingly important component of the energy mix as traditional fossil fuel baseload energy resources transition to renewable energy ...

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[FERC issues rule to speed grid connections for storage, ...](#)

The Federal Energy Regulatory Commission approved an interconnection reform rule July 27 that aims to speed grid connections for wind, solar, energy storage and other ...

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[Renewable Energy and Energy Storage Facility Siting...](#)

Solar facilities with a nameplate capacity of 50 MW or more, Wind facilities with a nameplate capacity of 100 MW or more, and Energy storage facilities with a ...

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[DOE Reduces Regulatory Hurdles For Energy Storage...](#)

DOE is simplifying the environmental review process for certain energy storage systems such as battery systems, transmission line upgrades, and solar photovoltaic systems.

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Secretary Burgum Announces Order to Rein In Environmentally ...

Massive, unreliable energy projects, such as wind and solar, are inefficient uses of federal lands when compared to other energy sources with much smaller footprints, like ...

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[What Treasury's new safe harbor rules will mean for ...](#)

But the executive order Trump issued at the beginning of this week, which focused specifically on wind and solar, is likely to upend that framework. ...

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[Restrictions and Barriers to Renewable Energy in Local...](#)

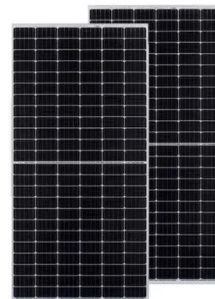
On-site energy consumption requirements: Some zoning ordinances include requirements that renewable energy systems, usually solar panels, be used exclusively for on-site energy ...

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Assessing large energy storage requirements for chemical plants ...

When feasible, the use of byproduct hydrogen as energy storage substantially reduces battery size. The combined use of solar and wind energy can significantly reduce ...

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Texas bill would require solar developers to pay for natural gas or

New legislation in Texas would require most solar projects to back up their power with either natural gas or battery energy storage -- or risk being fined.

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