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New energy sites are not online yet



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Overview

Wind and solar power generators wait in yearslong bureaucratic lines to connect to the power grid, only to be faced with fees they can't afford, forcing them to scramble for more money or pull out of projects completely. In the third quarter of 2025, solar projects representing about 20% of planned capacity reported a delay, a decrease from 25% in the same period in 2024, based on data compiled from multiple Preliminary Monthly Electric Generator Inventory reports. Solar power is the fastest-growing source of new. To connect a new source of power to the U. Energy Information Administration (EIA) data analyzed by EPRI's Dr. John Bistline, a leading researcher on energy systems and climate policy. Solar deployment and electric vehicle (EV) sales broke records in 2023 and 2024. Renewables now dominate new power generation capacity, while new domestic clean energy manufacturing facilities are popping up. One opportunity to reduce the challenge of building new nuclear capacity is to develop reactors at existing large power generation sites. The results show there is remarkable.

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Existing power sites and new nuclear

According to the report, current nuclear power plant sites with cancelled plans for additional units during initial site construction were evaluated, as well as sites that have initiated the process to obtain a ...

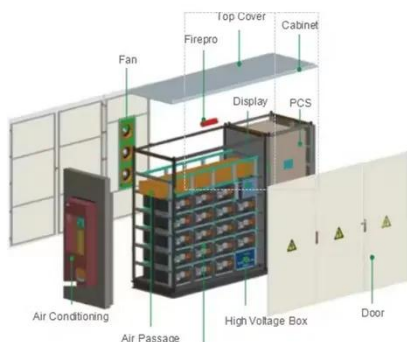
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2026 Renewable Energy Industry Outlook , Deloitte Insights

Operational efficiency in the new normal now hinges on fundamentals--containing costs, ensuring reliability, and boosting productivity. Developers are standardizing design, optimizing procurement, and streamlining ...



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Big Tech's soaring energy demands are making coal-fired power plant

That ready-to-go connection could enable a new generation of power plants -- gas, nuclear, wind, solar or even battery storage -- to help meet the demand for new power sources more quickly.

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Outdated U.S. energy grid: Tons of clean energy stuck waiting in line

To connect a new source of power to the U.S. electric grid requires energy generators to go through an application process with a regional transmission authority or utility.

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Fewer U.S. solar projects are reporting delays in their expected online

Much of the reported delayed capacity occurs at projects that are in the late construction or testing phases just before they come online. These delays are typically only for a month or two.

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Closed Kewaunee nuclear plant site may come back online in

LPR Series 19'
Rack Mounted



2030s

WEC Energy Group and EnergySolutions are exploring building a new nuclear power plant at the site of the closed Kewaunee Power Station. The project is in its early planning stages, which could

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Growth of Renewable Energy in the US , World Resources Institute

With the new projects online, renewables (including wind, solar, geothermal and hydropower) and battery storage now make up 30% of the country's large-scale power generating capacity.

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Highvoltage Battery



When will the next nuclear plant come online in the US? No one

Georgia Power's Vogtle 3 reactor finally came online in July of last year, and Vogtle 4 is set to get connected to the grid early this year. Yet even the most ardent nuclear believers would be

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MAP: Where new natural gas power plants are being built in the U.S.

This map does not include the wave of gas turbine upgrades now underway as developers chase faster ways to add megawatts amid five- to seven-year lead times for new units. OEMs like Siemens Energy

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