

What are the new energy power generation sites





Overview

Which energy sources will grow in 2025 & 2026?

In contrast to solar and wind, generating capacity for most other energy sources will remain mostly unchanged in 2025 and 2026. Natural gas-fired capacity growth slowed in 2024, with only 1 GW of capacity added to the power mix, but natural gas remains the largest source of U.S. power generation.

What new technologies will be able to build on fossil-fired power plants?

Most exciting is that new technologies such as long duration batteries and advanced nuclear power are looking to build on these sites, too. Retiring fossil-fired power plants and developing clean power generation are critical challenges to global decarbonization.

Are new fossil-fired power plants being built at alarming rates?

However, despite strides in shutting down carbon-emitting power stations, new fossil-fired plants are being built at alarming rates. In 2024, 44 GW of coal and nearly 52 GW of gas-fired plants were added to the global power mix, while just over 30 GW were shut off.

Is the future of energy a combination of energy sources?

Ultimately, everything we do has an impact on the environment, and perhaps the future of energy lies in a combination of energy sources?

Overall, nuclear energy is the best form of renewable energy because it can be produced in larger quantities with fewer resources and manpower. However, it has some greater operational risks.

What percentage of new power plants will be solar?

The latest federal forecast for power plant additions shows solar sweeping with 58 % of all new utility-scale generating capacity this year. In an upset,



battery storage will provide the second-most new capacity, with 23 %.

Will renewable capacity additions support the growth of electric power generation?

We expect that planned renewable capacity additions will support most of the growth in U.S. electric power generation, which we expect will increase by 2% in 2025 and by 1% in 2026. The U.S. electric power sector produced a total of 4,155 billion kilowatthours (kWh) of electricity in 2024, up 3% from 2023.



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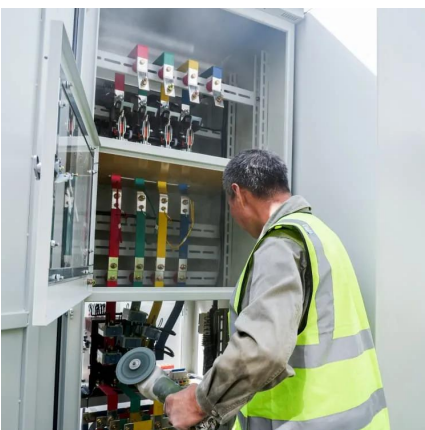


New solar plants expected to support most U.S. electric generation

In our latest Short-Term Energy Outlook (STEO), we expect that U.S. renewable capacity additions--especially solar--will continue to drive the growth of U.S. power ...

Entergy Texas receives PUCT approval for two power plants to ...

1 day ago· We're investing for growth and improved reliability and resilience of our energy system while working to keep energy rates affordable for our customers. We're also investing in ...



Power Generation: what it is, trends, and main types of power generation

The generation of electricity is essential to modern society, as it powers industries, cities, and homes. There are several ways to generate it, each with its own characteristics, ...

Chart: Nearly all new US power plants built in 2024... , Canary ...

Now, in 2024, everyone from investor-owned utility companies to cooperatives, municipals and



private developers across 50 states has decided carbon-free energy would be the most ...



Plans For New Reactors Worldwide

Many countries with existing nuclear power programmes either have plans to, or are building, new power reactors. Every country worldwide that has operating nuclear power ...

Ontario eyes new electricity generation sites, possibly ...

Ontario is eyeing three sites across the province for new electricity generation facilities, including the possibility of large-scale nuclear plants.



[Constellation Seeking Permit for Small Modular ...](#)

Constellation Energy said the company is applying for federal funding as it evaluates whether to put one or more small modular nuclear ...



Evergy announces two new 705 MW high-efficiency natural gas ...

The two new plants will provide flexible generation that pairs well with the abundant renewable resource potential in Evergy's service area and will meet stringent emissions ...



[Chart: Nearly all new US power plants built in 2024](#)

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Renewables make up 91% of the 15 GW of generation the US added in first 5 months of 2025: FERC "Solar continues to deliver new power to the grid faster and cheaper ...



Existing power sites and new nuclear

One opportunity to reduce the challenge of building new nuclear capacity is to develop reactors at existing large power generation sites. A new analysis explores existing ...



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New Power Plants: Construction Trends and Impacts

In many cases, new power plants are developed as hybrid systems that incorporate both renewable energy and traditional fossil fuel technologies. ...



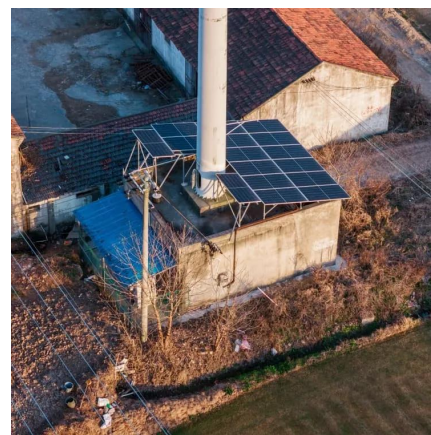


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The Global Trend of Turning Power Plants Into Clean Energy Hubs

Retiring fossil-fired power plants and developing clean power generation are critical challenges to global decarbonization. However, despite strides in shutting down carbon ...



[The need for on site power generation for AI](#)

Hundreds of megawatts of on site power at campuses and facilities with gas and hydrogen powered generation, across grid integrated, independent or hybrid microgrids for ...

NYPA Generating Facilities

Nameplate Rating: 660.0 MW First Commercial Power: July 2011 2020 Net Generation: 2,528.8 GWh **Astoria Energy II is an independently owned facility that has entered into a 20-year ...



What Is On-Site Power Generation, and How Does It ...

Discover the benefits of on-site power generation, how it works, and why it's a smart investment for your business's energy efficiency and ...

New Albany Energy Center

Project Summary The proposed facility, the PowerConneX New Albany Energy Center, project is a natural gas fired power generation facility located in New Albany, Licking County, Ohio. The ...



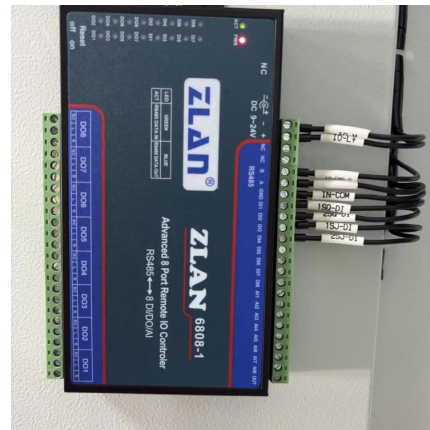
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