

# **Big Data Center New Energy**





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# Power Hungry Data Centers Are Driving Green Energy Demand

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In response, operators are piloting the co-location of data centers and large renewable energy power plants to reduce grid reliance and access cheaper cleaner energy.

## Why are communities pushing back against data centers?

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Residents are increasingly pushing back against plans to build data centers in or near their communities. Are their concerns legitimate or exaggerated? The public broadly is quite negative



## **Data Centers and AI Energy Consumption: The Surge in**

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The International Energy Agency (IEA) projects that data center electricity consumption could double by 2030, potentially reaching 600-800 TWh

## **Maine legislature approves first US moratorium on big data centers**

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Maine lawmakers have passed a bill that could make it the first U.S. state to put a moratorium on new data centers as opposition to the electricity-hungry facilities grows across the

## **The renewable route for data centre expansion , The**

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When new, massive data centre loads and substantial renewable energy sources are connected to often legacy grid infrastructure, it can lead to

## **Tesla Megapacks for 1% of AI Data Center Spend for**

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Battery energy storage is also needed to unlock 100+ Gigawatts of power without waiting a decade for new giant power plants and energy grid to be

## **Astra Taylor on AI Data Center Resistance & Fighting "Billionaire Big**

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As the "supercharged" construction of new data centers to power artificial intelligence blankets the country, a growing resistance movement to these massive corporate projects amid a



## **OpenAI, Oracle, Related unveil \$7 billion Saline**

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News Developer announces \$7 billion data hyperscale data center in Saline Township after settlement Tech giants OpenAI, Oracle, and developer

## **What's the big deal about AI data centres?**

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The data centre industry is acutely aware that legislators are keeping an eye on the downsides of AI factories with their intense energy use having a

## **Big Tech contracts inject life into new nuclear , Reuters**

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Nuclear developers are benefitting from long-term power purchase agreements (PPAs)



with Big Tech companies racing to secure 24/7 clean energy

## **Trump Orders Emergency Power Auction for Big Tech**

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President Trump plans to direct the biggest US grid operator, PJM, to hold an emergency power auction requiring Big Tech companies to bid on 15

## **Data Centers Are Growing in Texas, But Big Questions Remain About**

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Data Centers Are Growing in Texas, But Big Questions Remain About Water Use New report finds Texas data center growth could raise water use to as much as 9% by 2040, highlighting



## **Microsoft mulls delaying energy vow amid data center boom**

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Microsoft is weighing delaying or abandoning its 2030 target of matching 100% of its hourly electricity use with renewable energy purchases, amid the data center boom.

## **2026 Data Center Power Report**

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Over one-third of data centers are expected to use 100% onsite power by 2030 and developers increasingly expect permanent onsite generation to emerge as a preferred long-term approach. Next

## **AI Boom Shows Top US Grid 'Too Big to Function,' Regulator Says**

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(Bloomberg) -- The chairman of the top US energy regulator has put America's biggest power grid on notice, warning that its operator may be too big to function adequately amid the AI

## **AI companies are building huge natural gas plants to power data centers**

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Meta, Microsoft, and Google are all betting big on new natural gas power plants to run their AI data centers. They may regret it.

## **Power Hungry Data Centers Are Driving Green Energy**

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In response, operators are piloting the co-location of data centers and large renewable energy power plants to reduce grid reliance and access cheaper



## **Proposed data centers in New York would use significant**

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A New York state legislator said proposed data centers would use "approximately double" the energy consumed by all of the state's households combined. It would be a big amount, but not

## **Microsoft turning to NUCLEAR ENERGY to power its**

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Microsoft is turning to next-generation nuclear reactors, particularly small modular reactors, to power its data centers and AI projects. The company

## **Michigan lawmakers seek 1-year data center pause**

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News Data center moratorium bills reflect public sentiment, says Michigan lawmaker  
Three bipartisan bills in Michigan would prevent state and

## **Dominion Energy and Big Tech Maneuver Over Pivotal Rate Decision in**

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Virginia's largest utility is requesting a rate increase during regulatory hearings that will help to decide how data centers

## **In focus: Data centres - an energy-hungry challenge**

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Data centres are a vital infrastructure supporting our ever-growing use of cloud storage, social media, AI, streaming services and more. They're also



## **What Role Do Data Centers Play In Rising Energy**

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The global AI craze has given energy-intensive data centers yet another boost. But how big is their role in rising global electricity demand really?

## **AI Data Centers Are Driving Big Tech Back to Natural Gas**

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AI companies are in a race to secure energy for their data centers. They are finding that natural gas is the easiest solution, if not the cleanest.

## **Global data center power demand to double by 2030 on AI surge: IEA**

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The surge in AI-driven power demand could reshape electricity markets in advanced economies, with data centers projected to account for over 20% of total demand growth through 2030, according to



## **Accelerating Power Demand from Data Centers Is**

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The rapid expansion of AI and new data centers is driving up global power demand. The shift is a potential boon for nuclear, geothermal, fuel cells,

## **US consumers face rising electricity prices despite clean power savings**

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Soaring data center demand and growing fuel and grid costs are pushing up retail electricity prices while the benefits from rising clean power capacity emerge.

## **America's AI industry faces big energy and**



## environmental risks : NPR

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What are data centers? Data centers are big buildings that house computer hardware to store and process digital information. They essentially function as the backbone of the internet.

## PJM plan could accelerate data center power deals,

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A plan from PJM Interconnection, the largest power grid operator in the U.S., to manage burgeoning power demand from data centers could

## How Data Centers Redefined Energy and Power in 2025

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In 2025, AI demand drove data centers toward on-site power, BESS, and nuclear options, while grid delays increased. Here are the top trends that



## How Much Electricity Does a Data Center Use?

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This comprehensive guide explores exactly how much electricity data centers use, what drives their enormous energy appetite, and what the future

## Data center sustainability , Deloitte insights

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AI-driven data center power consumption will continue to surge, but data centers are not--in fact--that big a part of global energy demand. Deloitte predicts data

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