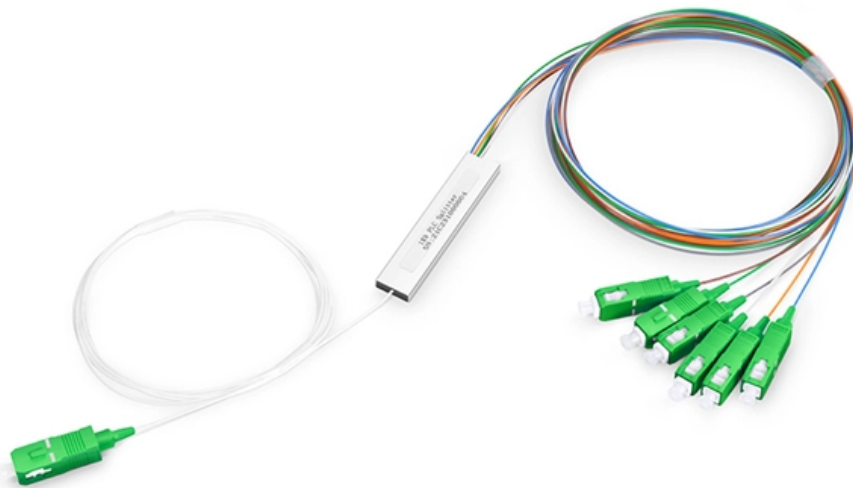


# Energy Data Center





## Energy Data Center

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# Electric Company Says It's Cutting Off an Entire Town So It Can Sell

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The data center scramble feeding off the AI boom is no longer just raising utility prices for nearby civilians -- it's rerouting their utilities entirely.

# 2024 United States Data Center Energy Usage Report

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2024 United States Data Center Energy Usage Report, LBL ETA Publications 2024 United States Data Center Energy Usage Report



## **Data centre electricity use surged in 2025, even with tightening**

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Electricity demand from data centres soared by 17% in 2025, and that of AI-focused data centres climbed even faster - well outpacing growth in global electricity demand of 3%.

## **Data centres as a source of flexibility for power systems**

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Data centres present a unique opportunity to enhance power system flexibility due to their substantial yet controllable energy consumption and advanced technological capabilities. This paper

## **Dominion Energy Unveils \$65 bn Capital Plan for**

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Dominion Energy Virginia accounts for the majority of planned spending at \$54.8 billion, while Dominion Energy South Carolina represents \$7.6

## Data center power solutions

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Power up your data center with Siemens Energy! From boosting efficiency to hitting sustainability targets, we're here to help you navigate the digital world's energy

## Economic costs of data-centers?

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Costs of data-centers are \$10M/MW of capex, and \$100M pa for a 30MW-scale facility, of which 40% is maintenance, 15-25% electricity costs.



## **Data Center World 2026: AI Pushes Infrastructure to New Limits**

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At Data Center World 2026, leaders from Oracle Cloud Infrastructure, Nvidia, and Google detailed how AI is changing data center design.

## **How Much Electricity Does a Data Center Use?**

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IEA projection of 945 TWh global data center consumption by 2030 confirmed by IEA Energy and AI special report (2025) SolarTech is a San

## **China's data center capacity set to top 60 GW by 2030, driving a**

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China is on course to nearly double its data center capacity within five years, with 28 gigawatts (GW) of new projects expected to come online by 2030, adding to the 32 GW already



## **IEA: Data center energy consumption set to double by**

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Global electricity consumption from data centers is projected to more than double, according to an International Energy Agency (IEA) report, with

## **Who pays for AI's electricity? Data centers spark debate over rising**

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Big technology companies are facing pushback over their data centers, which have been blamed for rising energy prices in the U.S. These so-called hyperscalers have pledged to bear rising



## Designing and regulating clean energy data centres

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Policies and technologies to support this shift across computing, electrical and thermal energy systems will be crucial for reducing the energy

## Microsoft may abandon its clean energy powered data centre targets

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Microsoft may abandon its clean energy powered data centre targets The hyperscaler has been adding a gigawatt of data centre capacity, enough to power 750,000 homes, every three months

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

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Data centers represent critical infrastructure for the modern economy, enabling everything from streaming services and e-commerce to financial



## Local data center opposition claims its latest victim: Oracle's Project

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Oracle cancels a New Mexico natural gas plant for its Project Jupiter data center site amid community concerns.

## 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



## **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.

## **Lake Tahoe's main energy source is being diverted to power AI data centers**

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NV Energy will end about 75 percent of Liberty Utilities' Lake Tahoe electricity supply by May 2027, affecting 49,000 customers as it redirects power to AI data centers in Nevada.

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

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Global electricity demand from data centers is set to more than double to 945 TWh by 2030, equivalent to Japan's current total power consumption, as artificial intelligence



drives unprecedented growth in

## **Data Center Power Demand , MIT Energy Initiative**

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With over 10,000 data centers worldwide--more than 5,000 of them located in the United States--and new facilities being built every day, the energy demand from data centers is growing rapidly. Much of

## **Almost 50,000 Lake Tahoe Residents Face Power Cutoff After Their Energy**

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Lake Tahoe faces power cutoff in 2027 as NV Energy prioritizes AI data centers over 49,000 residents, doubling electricity rates for ski resorts.



## Top 10: Data Centres Using 100% Renewable Energy

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Iron Mountain's 27 MW London data centre campus in Slough operates entirely on renewable energy and upholds rigorous BREEAM

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