Singer Wealth

AI is Causing Energy Demands to Surge

Artificial intelligence is transforming industries, productivity, and daily life, but behind the headlines, it's also reshaping how the world consumes energy. The computing power required to train and operate advanced AI models demands extraordinary amounts of electricity. A Chat GPT search takes 10 times more energy than a Google search.

Each AI request, whether generating an image, analyzing a portfolio, or writing a sentence, relies on thousands of high-performance processors operating continuously. Data centers that power these systems already use about 2% of global electricity, and experts forecast that figure could double by 2030 as adoption accelerates across nearly every business sector and consumer technology platform.

As usage grows exponentially, data centers are being built faster than utilities can expand power capacity. Regions such as Northern Virginia, Texas, and Ireland are already facing rising energy prices and localized grid strain driven by the AI buildout. The International Energy Agency projects that AI could account for nearly half of the world's incremental electricity-demand growth this decade. That dynamic is fueling one of the largest infrastructure investment cycles in decades and with it, significant opportunities for forward-thinking investors.

Utilities earn revenue through rate-based returns; the more infrastructure they build and maintain (transmission lines, substations, generation capacity), the more they can charge under regulatory frameworks. This means expanding demand translates directly into higher allowed returns and more stable revenue growth over time. AI companies are prioritizing access to dependable, low-carbon electricity. This benefits providers of nuclear, solar, wind, hydro, and large-scale battery storage.

Data-center REITs with access to affordable renewable energy are positioned for sustained expansion. Meanwhile, firms pioneering advanced cooling systems, chip efficiency technologies, and "green AI" optimization software stand to benefit from the growing focus on sustainability and cost control. AI is not just a technological revolution—it's an energy revolution.

The systems powering artificial intelligence will reshape global electricity markets for decades. Investors who align their portfolios with companies that supply, store, and optimize energy for the digital era may capture one of the most durable growth themes of the 21st century.

Have you heard about our Vision Quest Process? Watch the video below to learn more!

We are committed to helping you achieve your financial goals. Please feel free to contact us with any questions, comments, or a more in-depth discussion.

Sincerely,
Keith Singer

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