

Macro Roundup Article

Headline: Artificial Intelligence's 'Insatiable' Energy Needs Not Sustainable, Arm CEO Says

Article Link: https://www.wsj.com/tech/ai/artificial-intelligences-insatiable-energy-needs-not-sustainable-arm-ceo-says-a11218c9?mod=tech_lead_pos2

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Tweet: The CEO of Arm forecasts that without efficiency gains by the end of the decade, "AI data centers could consume as much as 20-25% of US power requirements" vs. 4% today.

Summary: In a January report, the International Energy Agency said a request to ChatGPT requires 2.9 watt-hours of electricity on average—equivalent to turning on a 60-watt lightbulb for just under three minutes. That is nearly 10 times as much as the average Google search. The agency said power demand by the AI industry is expected to grow by at least 10 times between 2023 and 2026. Rene Haas, chief executive of chip-design company Arm forecasts that without greater efficiency, "by the end of the decade, AI data centers could consume as much as 20% to 25% of U.S. power requirements. Today that's probably 4% or less," he said. "That's hardly very sustainable, to be honest with you." Related: The AI Transition One Year Later: On Track, but Macro Impact Still Several Years Off and Electricity 2024 and The Good, the Bad, and the Ugly

Primary Topic: Energy

Topics: Energy, Investment, News article, Productivity

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