Macro Roundup Article

Headline: Generational Growth AI, Data Centers and the Coming US Power Demand Surge

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Tweet: A @GoldmanSachs analysis argues US power demand will grow at 2.4%/year through 2030 versus 0% over the last decade. They forecast data centers will be 8% of power demand by 2030 from 3% currently.

Summary: We forecast a 15% CAGR in data center power demand from 2023-2030, driving data centers to make up 8% of total US power demand by 2030 from about 3% currently. We now see a 2.4% CAGR in US power demand growth through 2030 from 2022 levels vs. ~0% over the last decade. Of the 2.4%, about 90 bps of that is tied to data centers. We estimate about 47 GW of incremental power generation capacity will be required to support US data center power demand growth cumulatively through 2030, met with about 60% gas and 40% renewable sources. We expect this to drive about $50 bn of capital investment in US power generation capacity cumulatively through 2030.

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Primary Topic: Investment

Topics: Database, Energy, Investment, Other Source, Productivity, Weekly

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