

**EPISODE
425**

IS THE WORLD BUILDING TOO MANY DATA CENTRES?



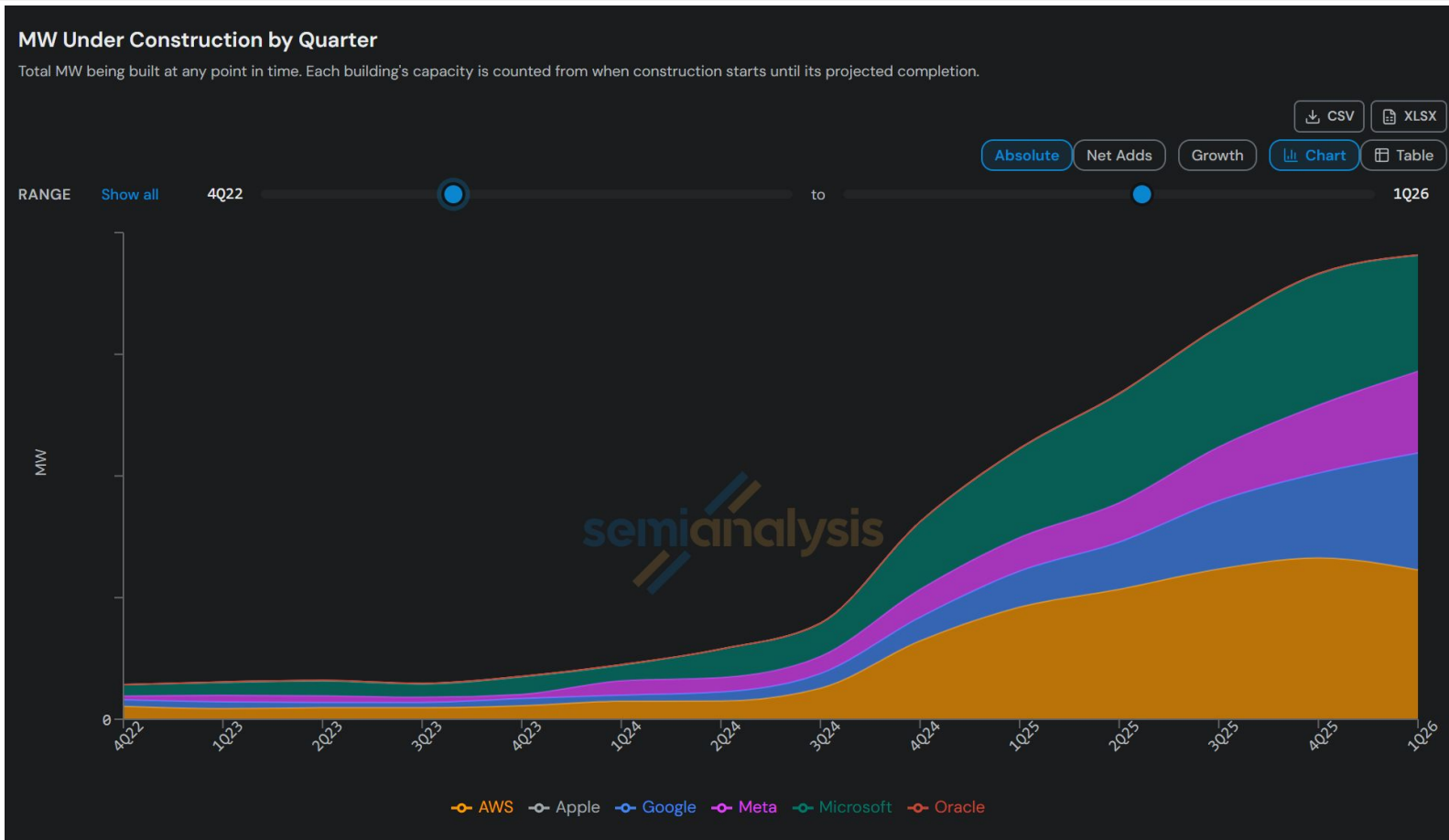
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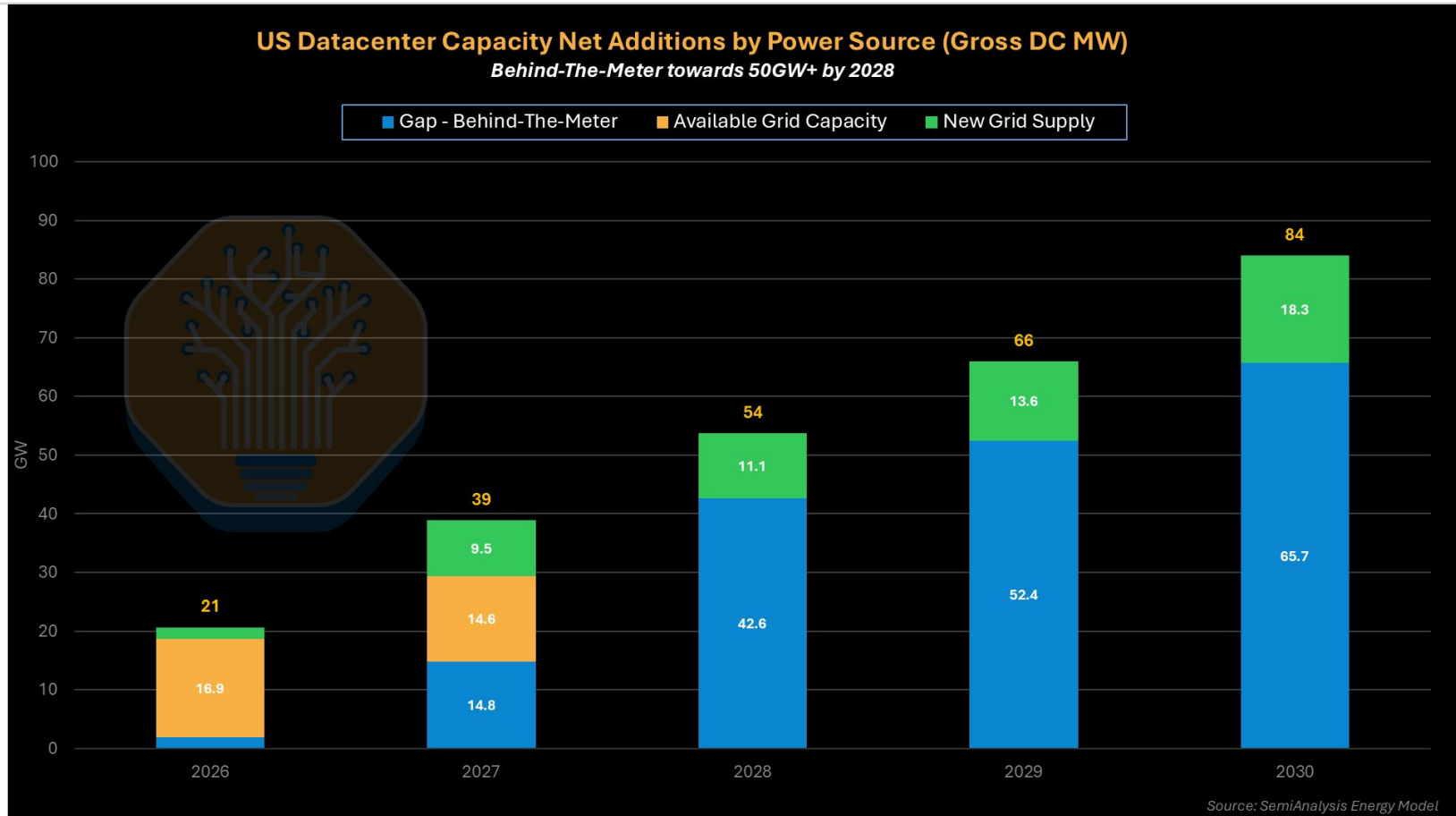
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1. Under construction

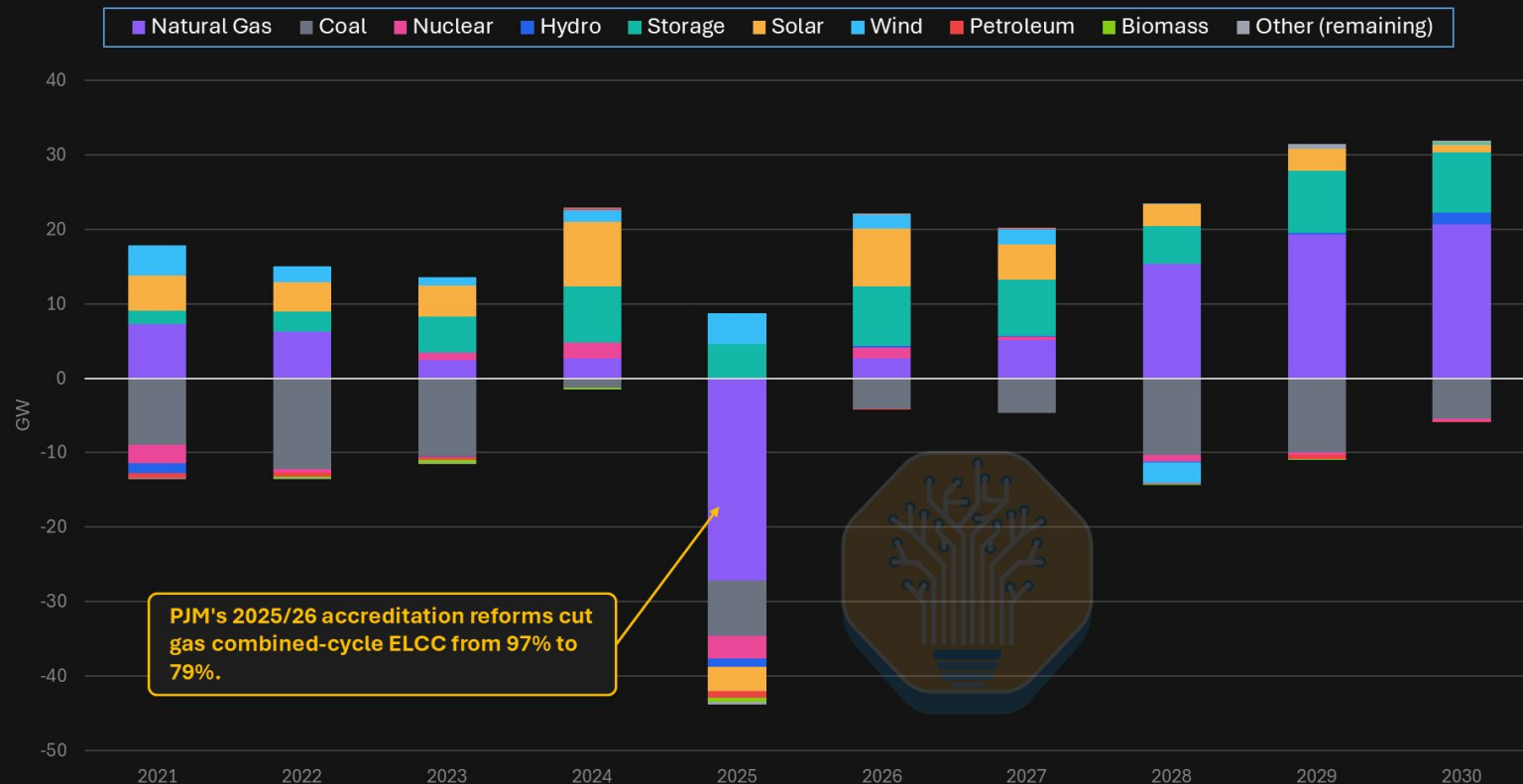


1. Energy:



1. Energy:

US Grid Net Effective Capacity (Additions) — By Fuel



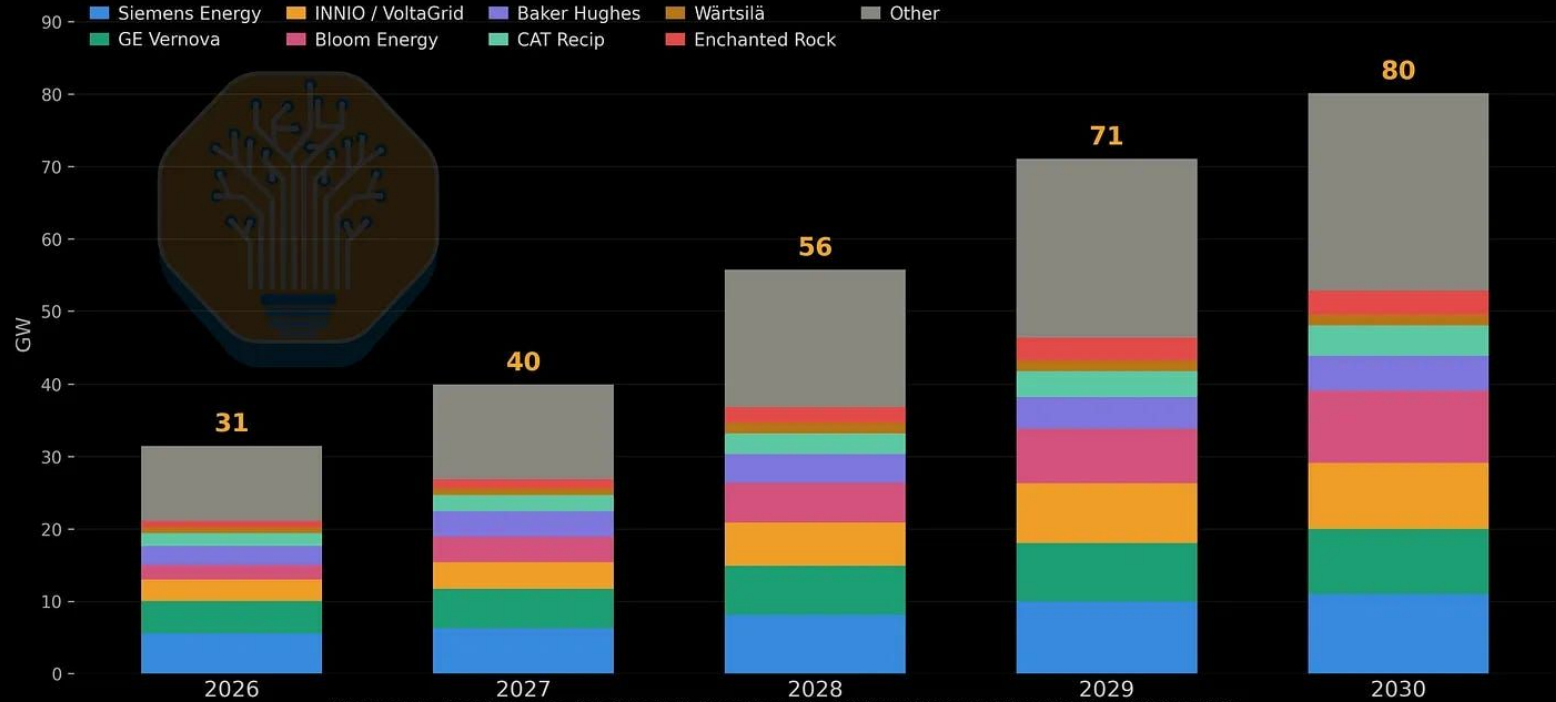
PJM's 2025/26 accreditation reforms cut gas combined-cycle ELCC from 97% to 79%.



1. Energy:

US BTM Gas Supply Ceiling by OEM (GW/yr available for DC)

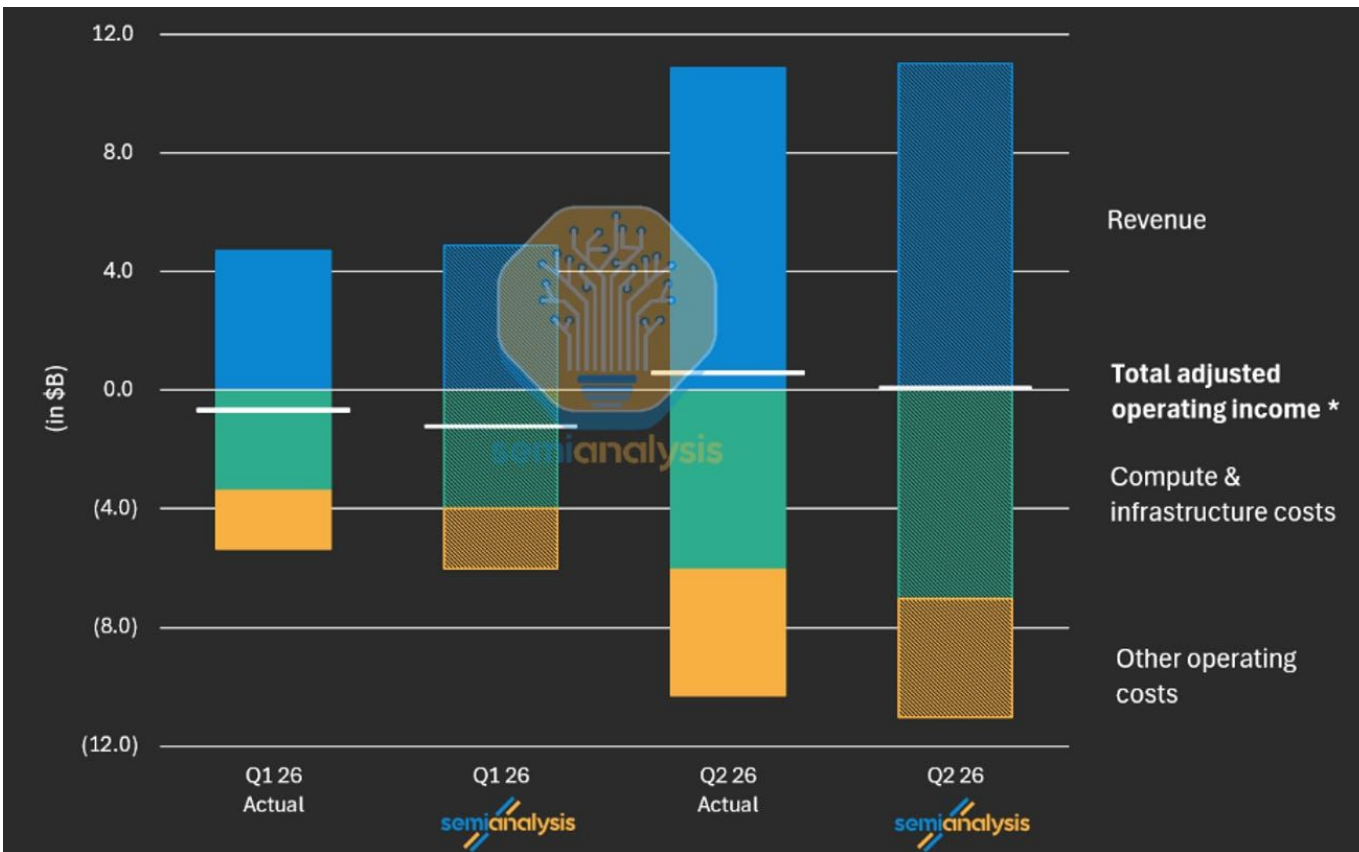
OEM supply ceiling · all OEMs · 2026-2030



Other includes: Boom Supersonic, Rolls-Royce MTU, Doosan Enerbility, FTAI Power, ProEnergy, Babcock & Wilcox, CAT Solar (IGT), Hyundai HI, Mitsubishi Power, MAN / Everllence, Bergen Engines, Cummins, AB Energy, Ansaldo Energia, Dynamis Power, APR Energy, FuelCell Energy, Mainspring Energy, Capstone Green Energy, Generac Industrial, Doosan Škoda, BorgWarner/TurboCell, Kawasaki, IHI Corporation, Opra Turbines, Kohler / Rehiko, Scania, Volvo Penta, Deutz / MWM

Source: SemiAnalysis Energy Model

Anthropic Case Study:

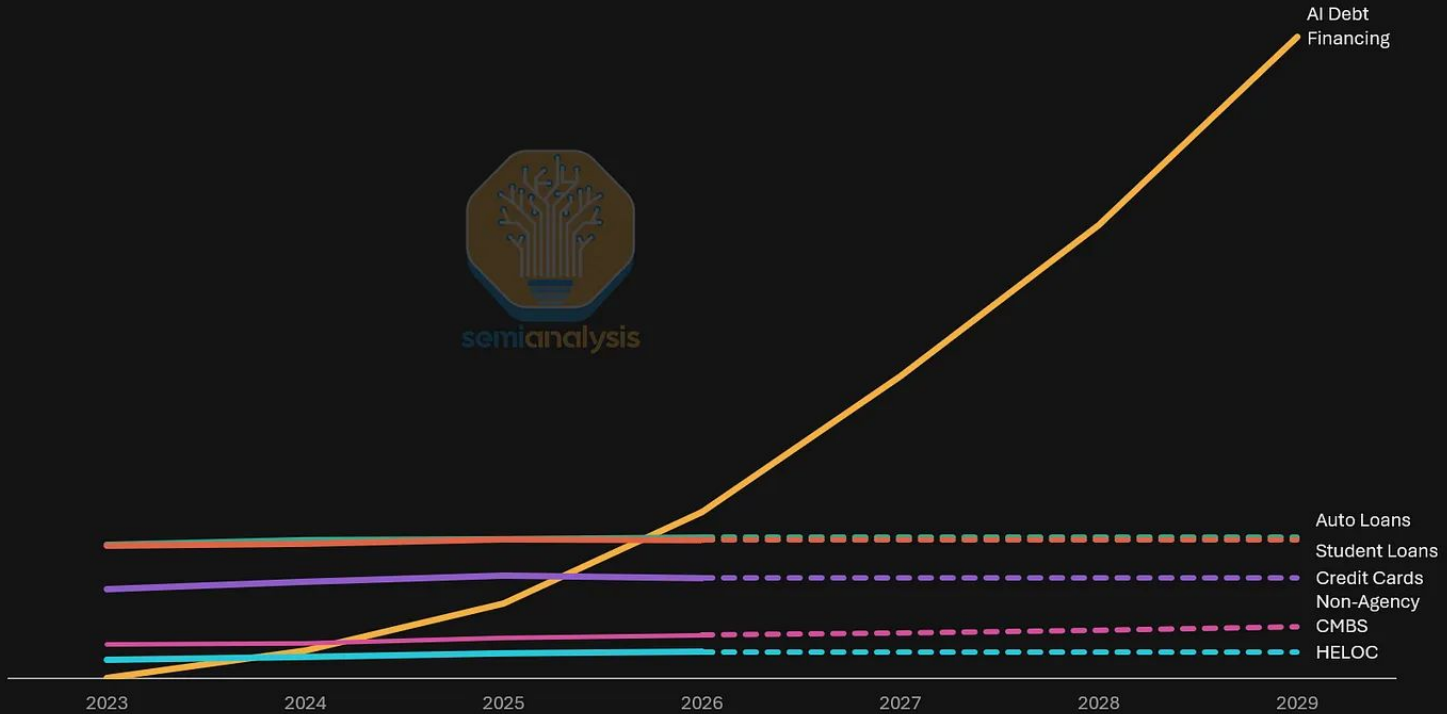


Debt Issues?

The Explosion of AI Debt Financing vs.
US Asset Backed Credit Markets (\$T, 2023-2029E)



semianalysis



Off balance sheet

Nvidia Backstop - Indicative Terms

Backstop Pricing

Year 1		\$/hr/GPU	\$3.68
Year 2		\$/hr/GPU	\$3.15
Year 3		\$/hr/GPU	\$2.62
Year 4		\$/hr/GPU	\$2.10
Year 5		\$/hr/GPU	\$1.57
Year 6		\$/hr/GPU	\$1.04
Average Backstop Price		\$/hr/GPU	\$2.36

Backstop Duration	Years	6
Nvidia Rev Share above Backstop	%	~40-60%

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