

Audizione informale VIII e X Commissione

9 febbraio 2026

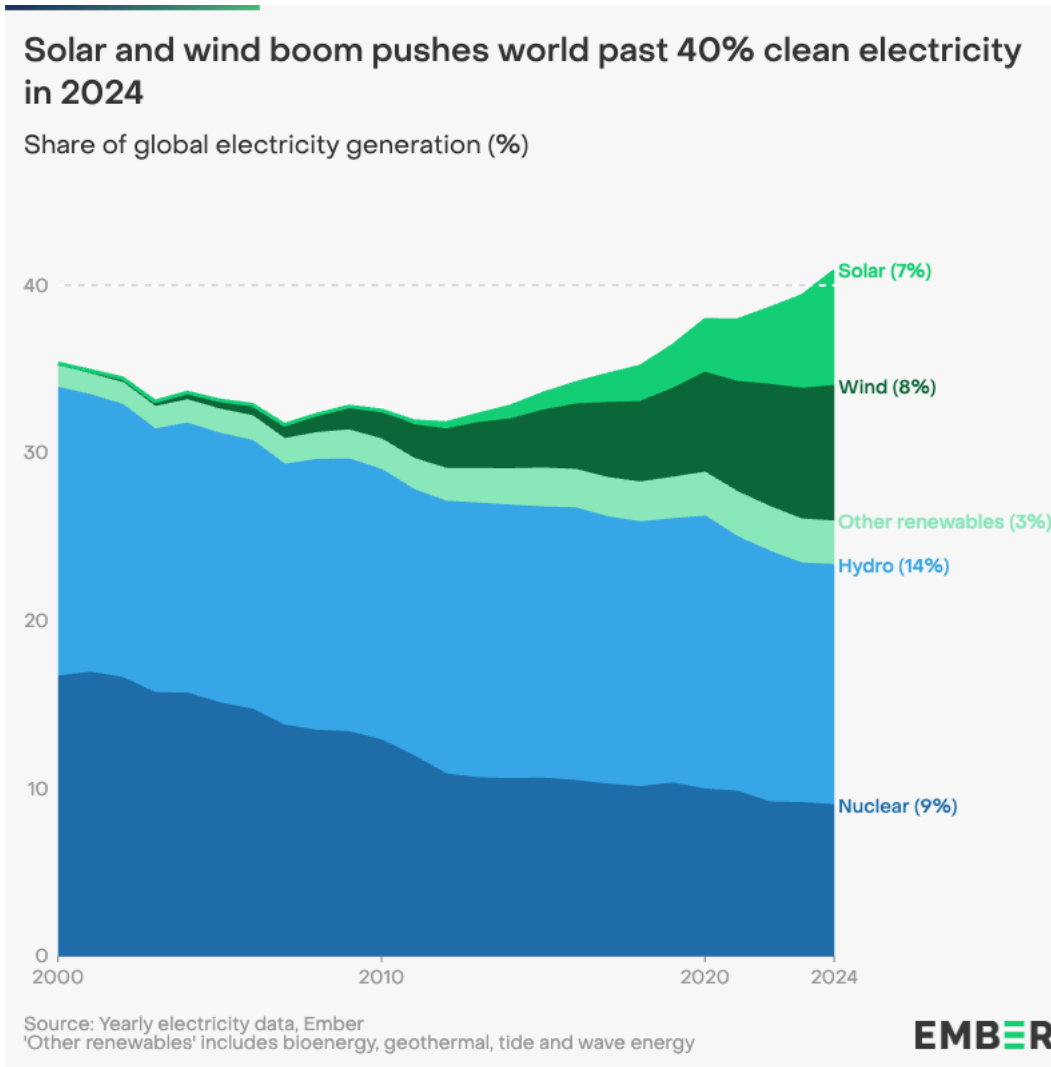
Delega al Governo in materia di energia nucleare sostenibile

Gianni Silvestrini

Direttore scientifico Kyoto Club

Nuovo nucleare, Smr, arriva (se arriva) in ritardo
specialmente in Italia

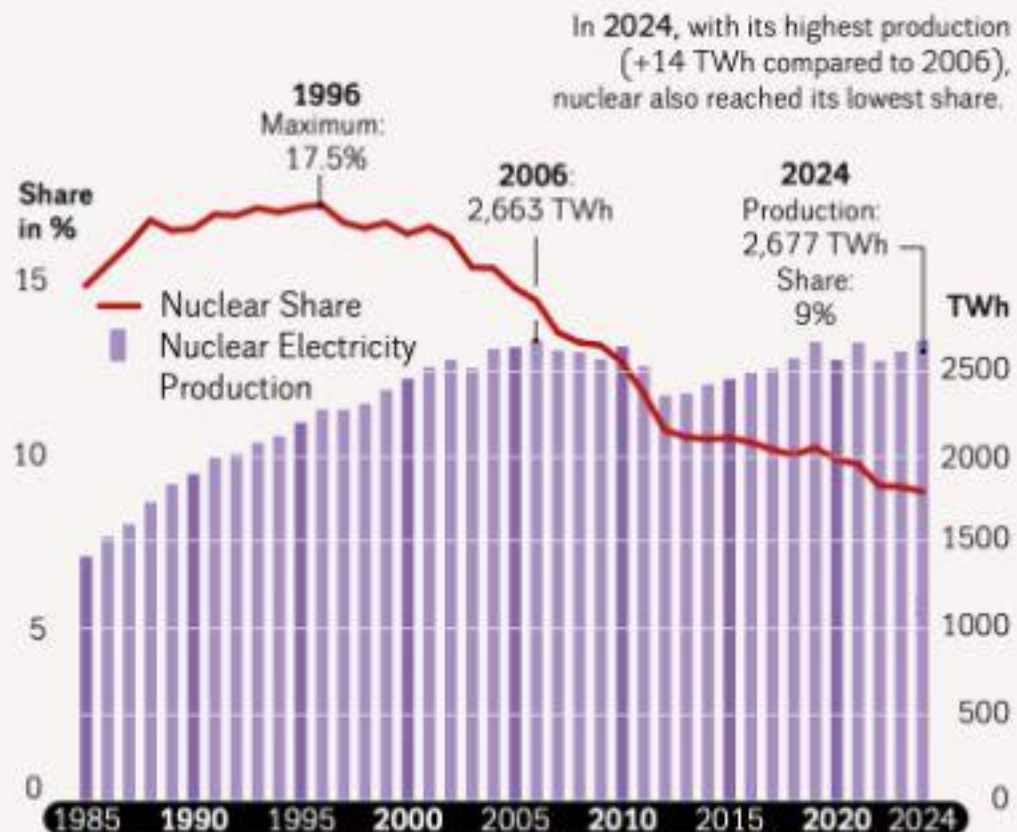
Tempi e prezzi non compatibili con scenari
in rapida evoluzione di rinnovabili + accumuli



Secondo la IEA nel 2030 le rinnovabili contribuiranno alla metà della produzione elettrica mondiale (pv ed eolico 30%)

Nuclear Electricity Production 1985–2024 in the World...

in TWh (net) and Share in Electricity Generation (gross)



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...and in China and the Rest of the World

in TWh (net)

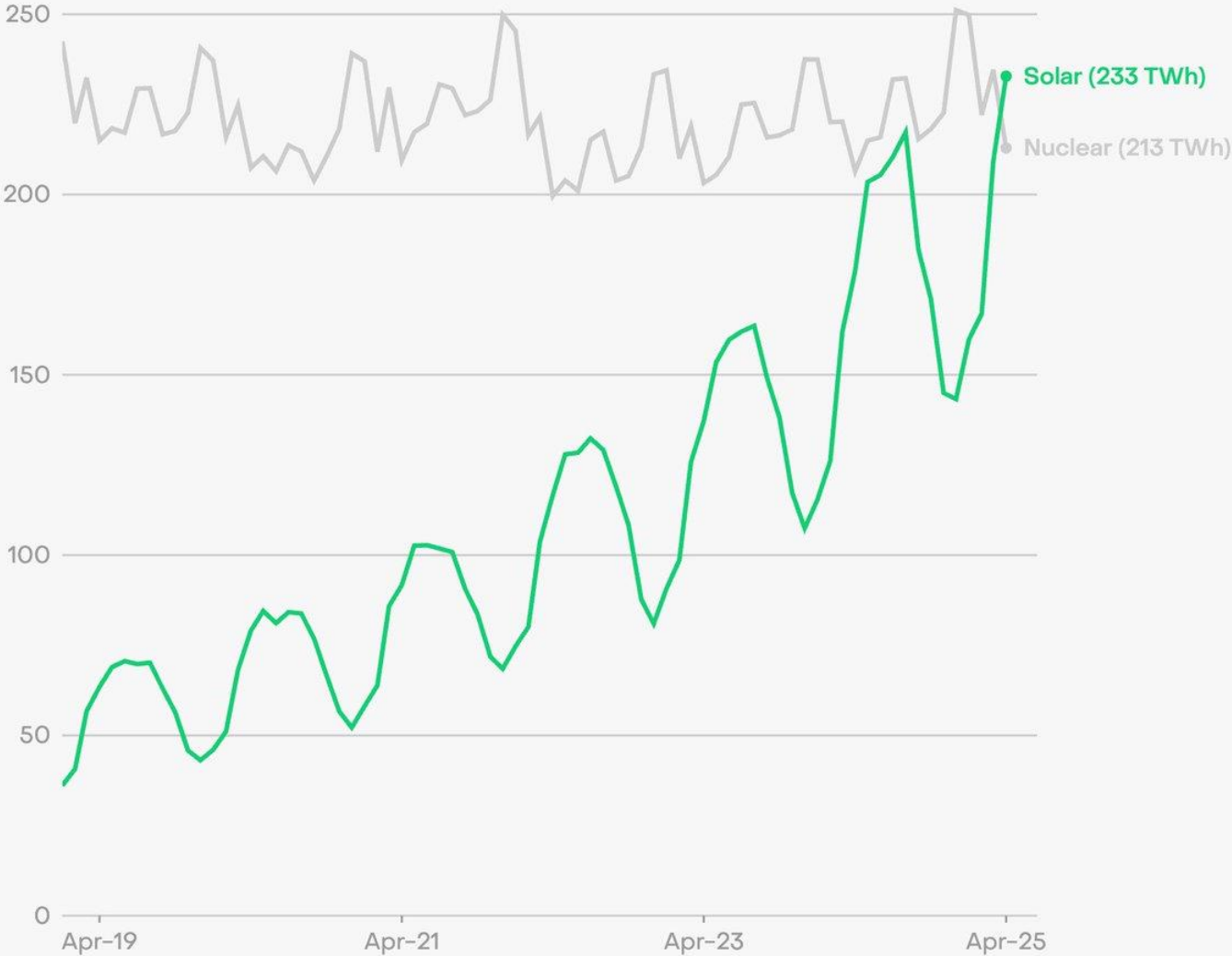
In 2024, global generation increased by 2.9%. China saw a 3.7% rise. Outside China, production increased by 2.8% but remained at the level of the mid-1990s.



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April 2025: For the first time ever, solar power generated more electricity than nuclear worldwide

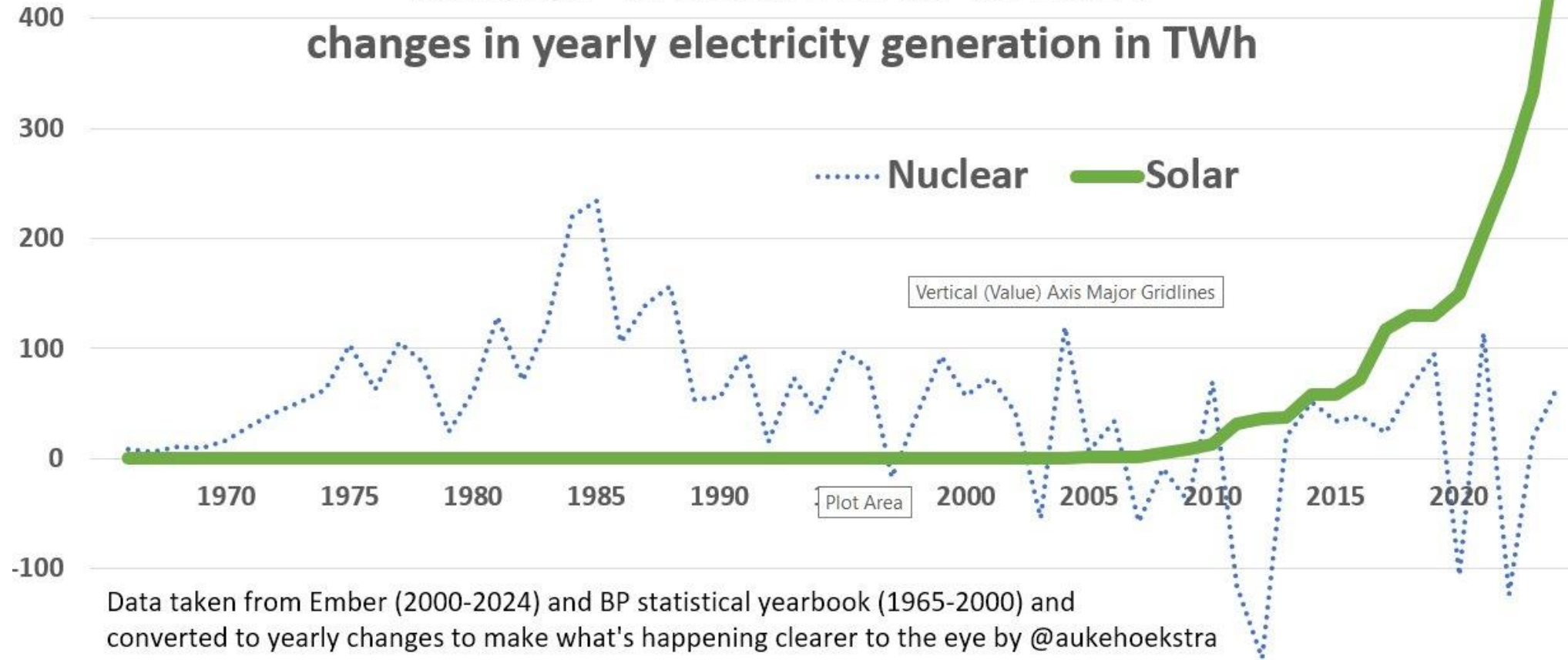
Electricity generation (TWh)



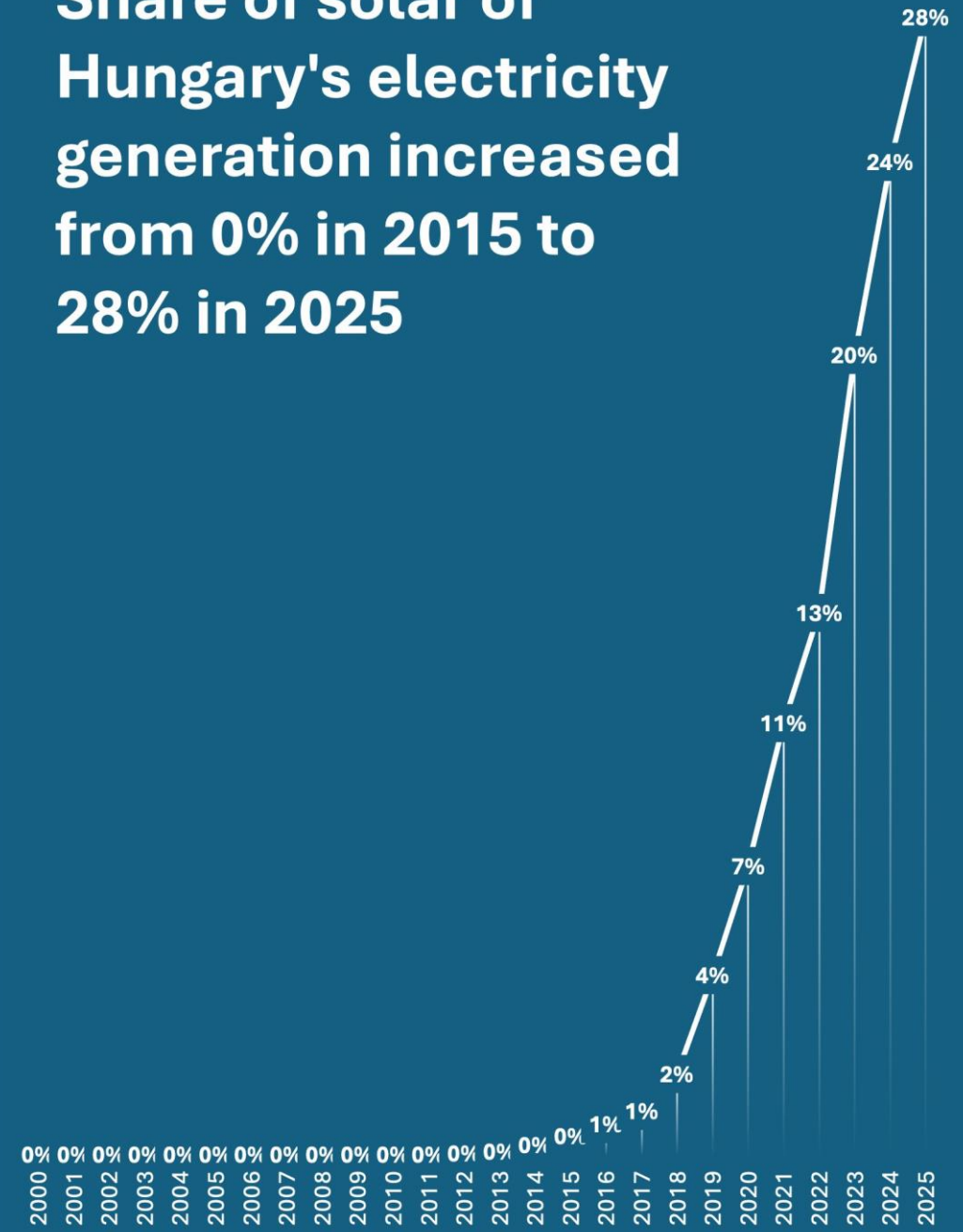
Source: Monthly electricity data, Ember

Nuclear vs Solar: 1965 to 2024

changes in yearly electricity generation in TWh

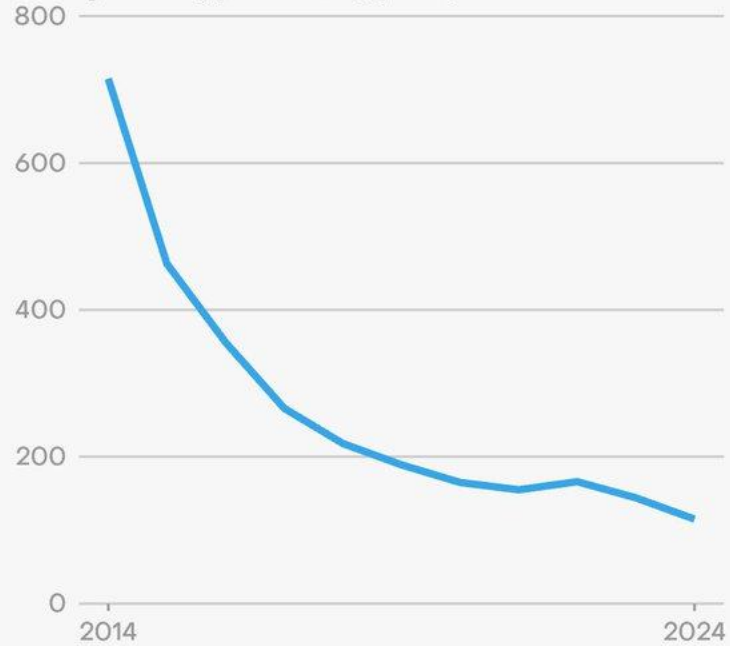


**Share of solar of
Hungary's electricity
generation increased
from 0% in 2015 to
28% in 2025**

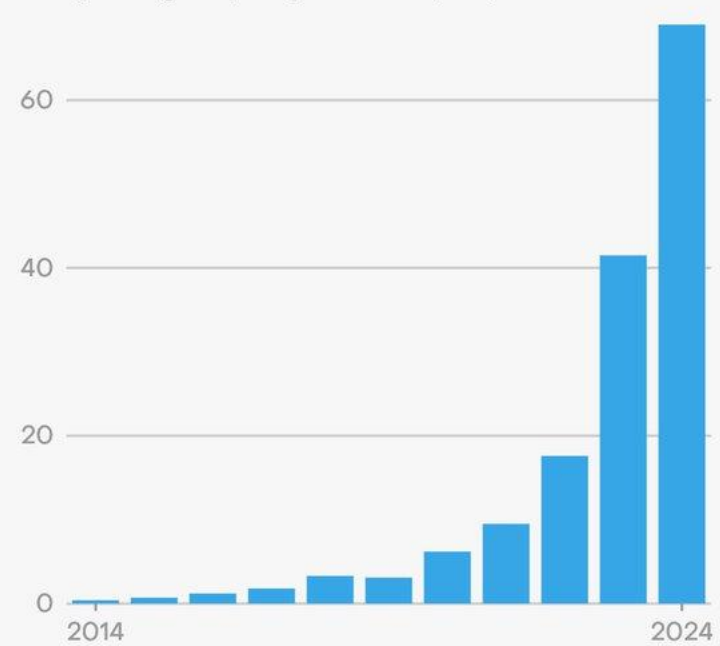


As battery prices have fallen, installations have skyrocketed

Average battery pack cost* (\$/kWh)



Battery storage capacity additions (GW)



Source: BNEF, IEA · *Prices are volume-weighted and expressed in real terms (2024 prices)

EMBER

Solare e accumuli in California

