



Planet Pulse

**A rhythmic check-in on
climate issues**





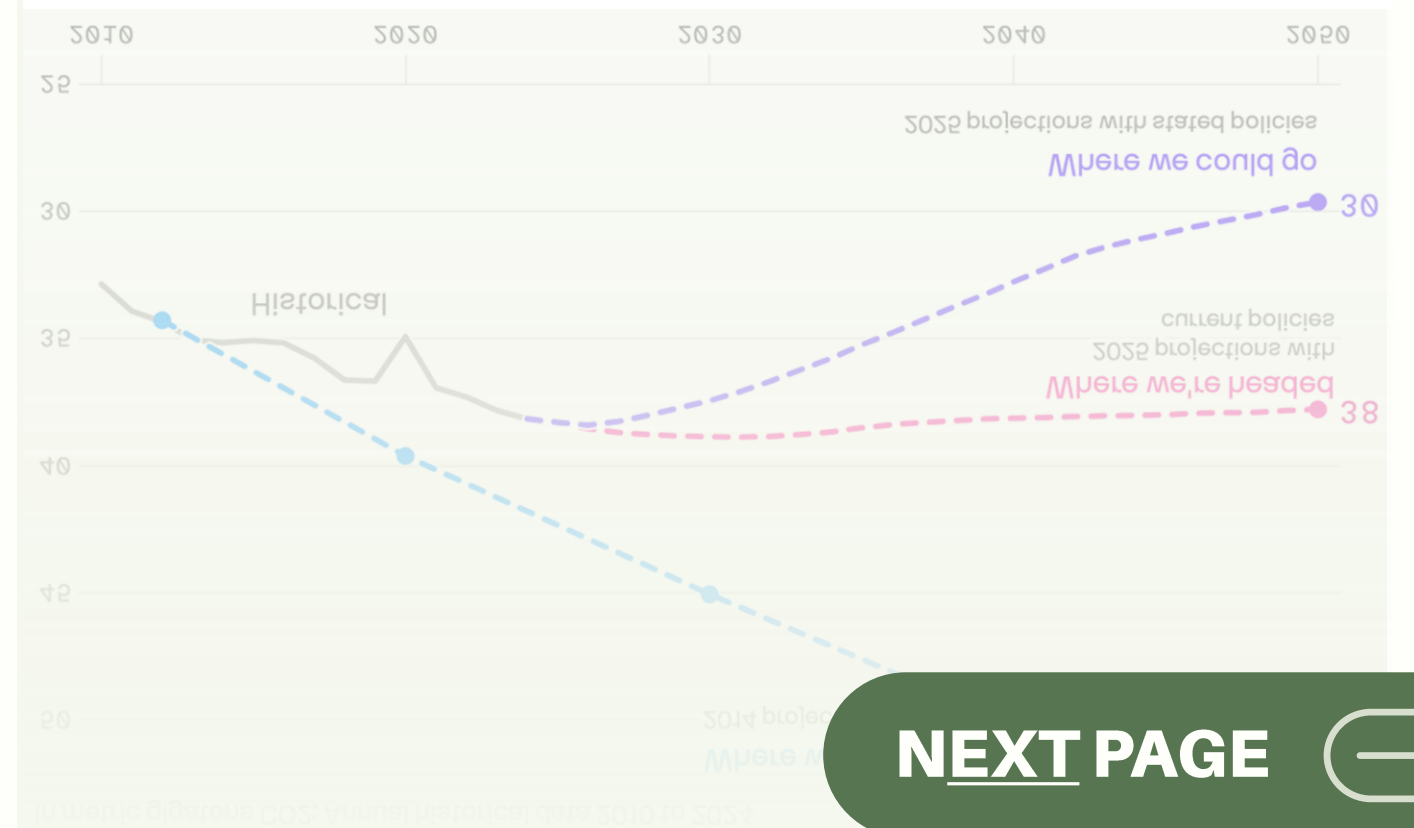
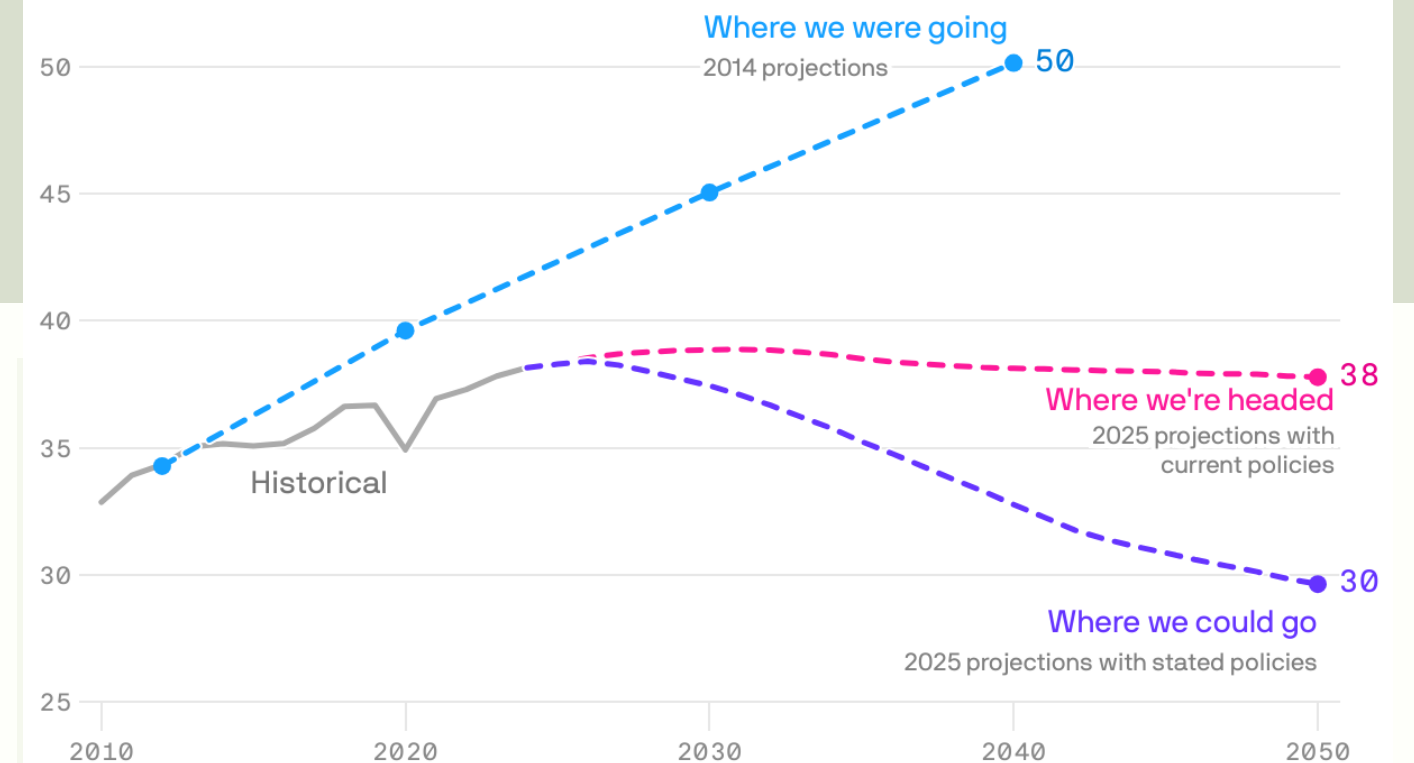
That's one big cherry you picked

This is what truly annoys me about today's media. An Axios article titled *Our global progress on climate change in one chart* is pure propaganda, and here's why:

1. 2014 was conveniently picked to project the 2040 emissions. If a line were drawn in the years immediately following 2014, the results would be drastically different.
2. More damning is that they drew a straight line up, which assumes ZERO mitigation over a 26-year period.
3. The same strategy was deployed for the "where we're headed line" which optimistically assume emissions flatline.
4. The "where we need to go" line is pure wishful thinking because it assumes countries adhere to stated policies, something that hasn't ever been the case.

Global energy-related CO2 emissions

In metric gigatons CO2; Annual historical data 2010 to 2024



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China's primary energy consumption by source

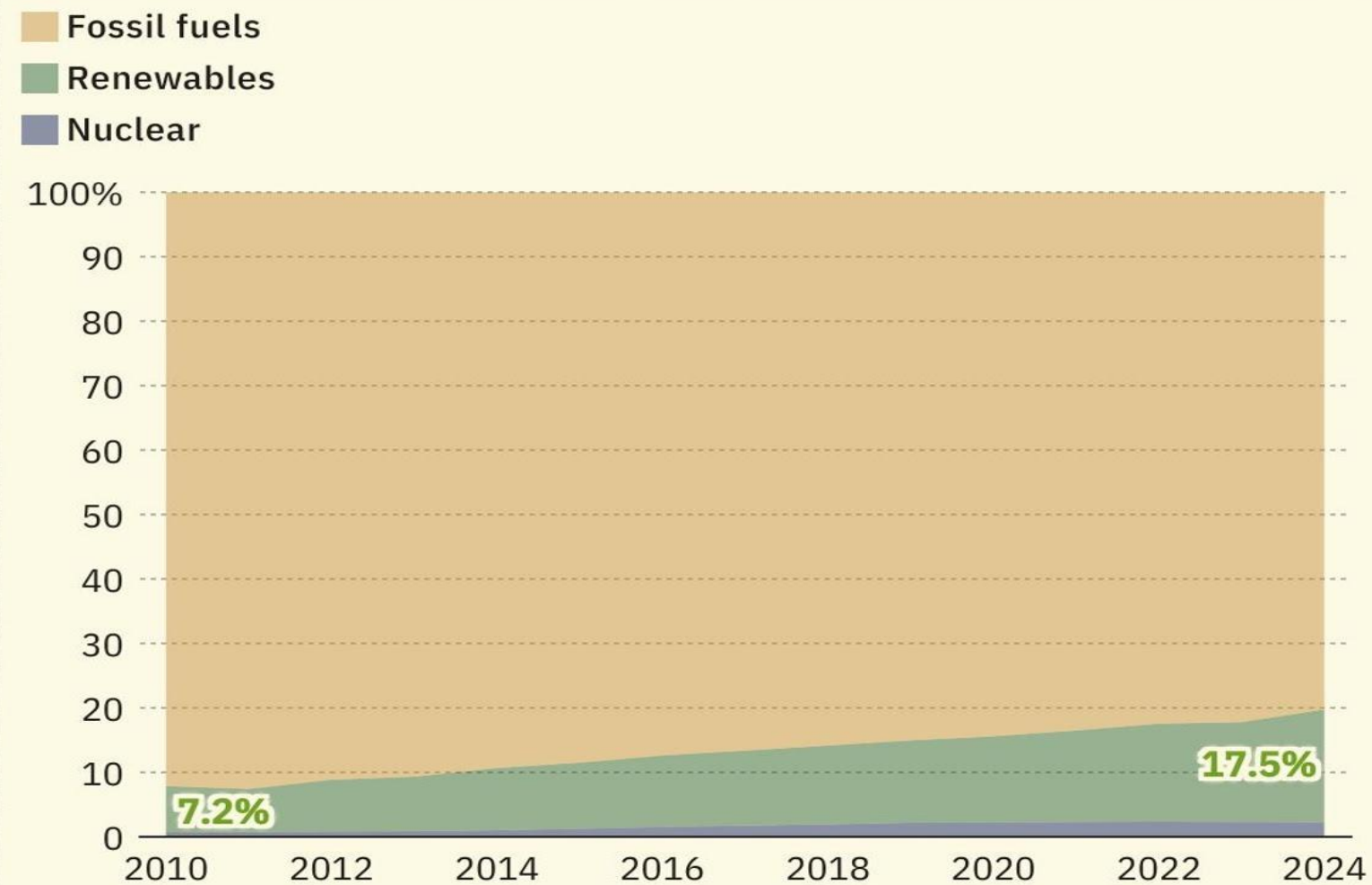


Chart: Jeronimo Gonzalez/Semafor • Source: Energy Institute via OWID



A tale of two countries – part 1

This is encouraging news:

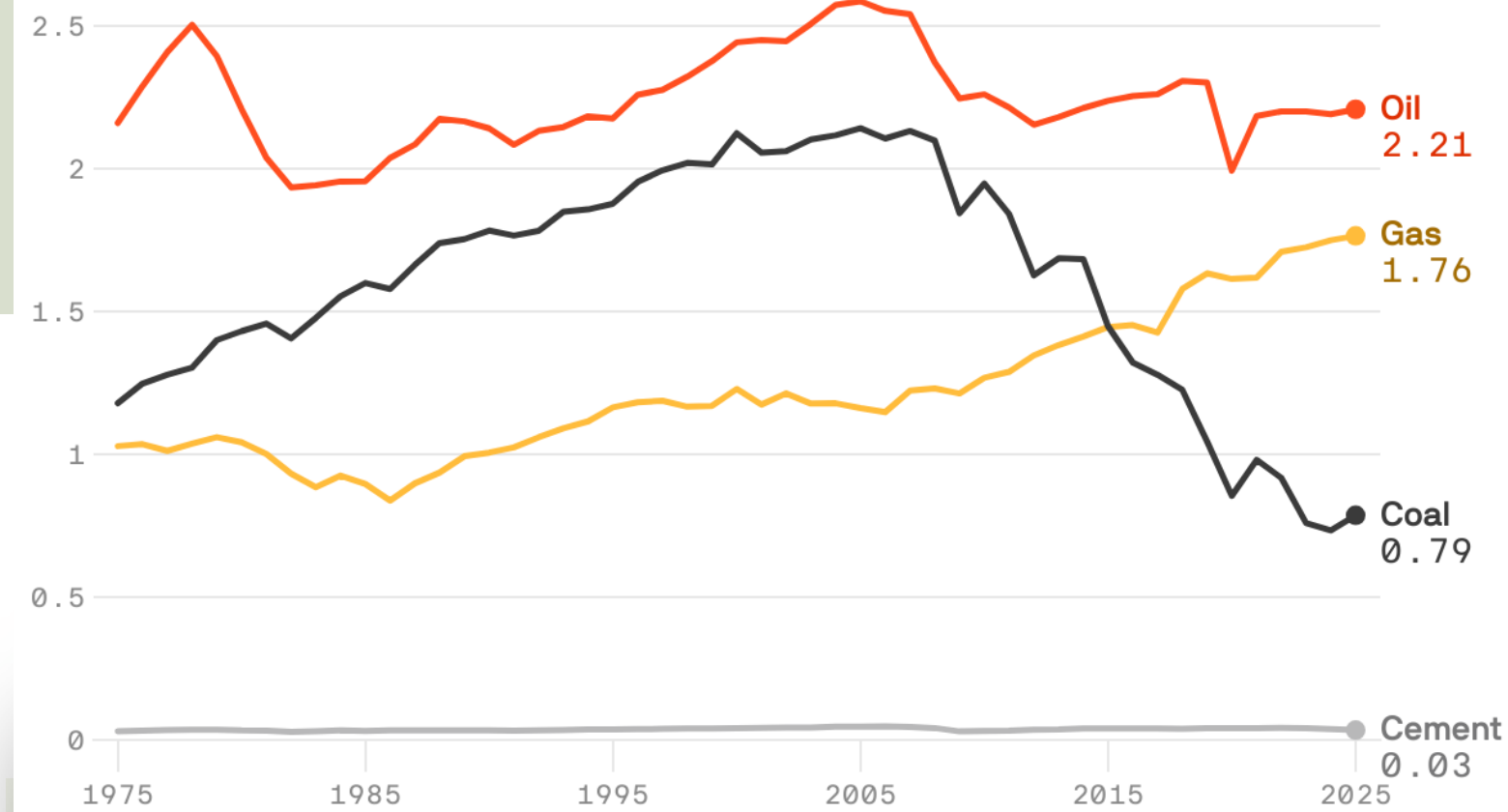
- According to data from Carbon Brief, China's greenhouse gas emissions have been flat or falling for 18 months.
- Carbon Brief credited China's robust EV market for reducing transportation emissions 5% year-over-year.
- The data also showed that China's economic slowdown - which is likely temporary - resulted in falling emissions in the construction and manufacturing sectors.
- Though 18 months isn't a significant window, as the world's largest emitter, this is a promising trend.

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Annual U.S. fossil CO2 emissions, by major source

Metric gigatons of CO2, not including flaring; 1975-2024, 2025 (projected)



A tale of two countries – part 2

This is disappointing news:

- Energy-related CO2 emissions in the U.S. are projected to rise an estimated 1.9% this year.
- As the world's second largest emitter, any rise is globally significant.
- The Global Carbon Budget report attributed the projected increase to a cold start to 2025, higher energy demand, and an increase in natural gas prices that prompted more use of coal.

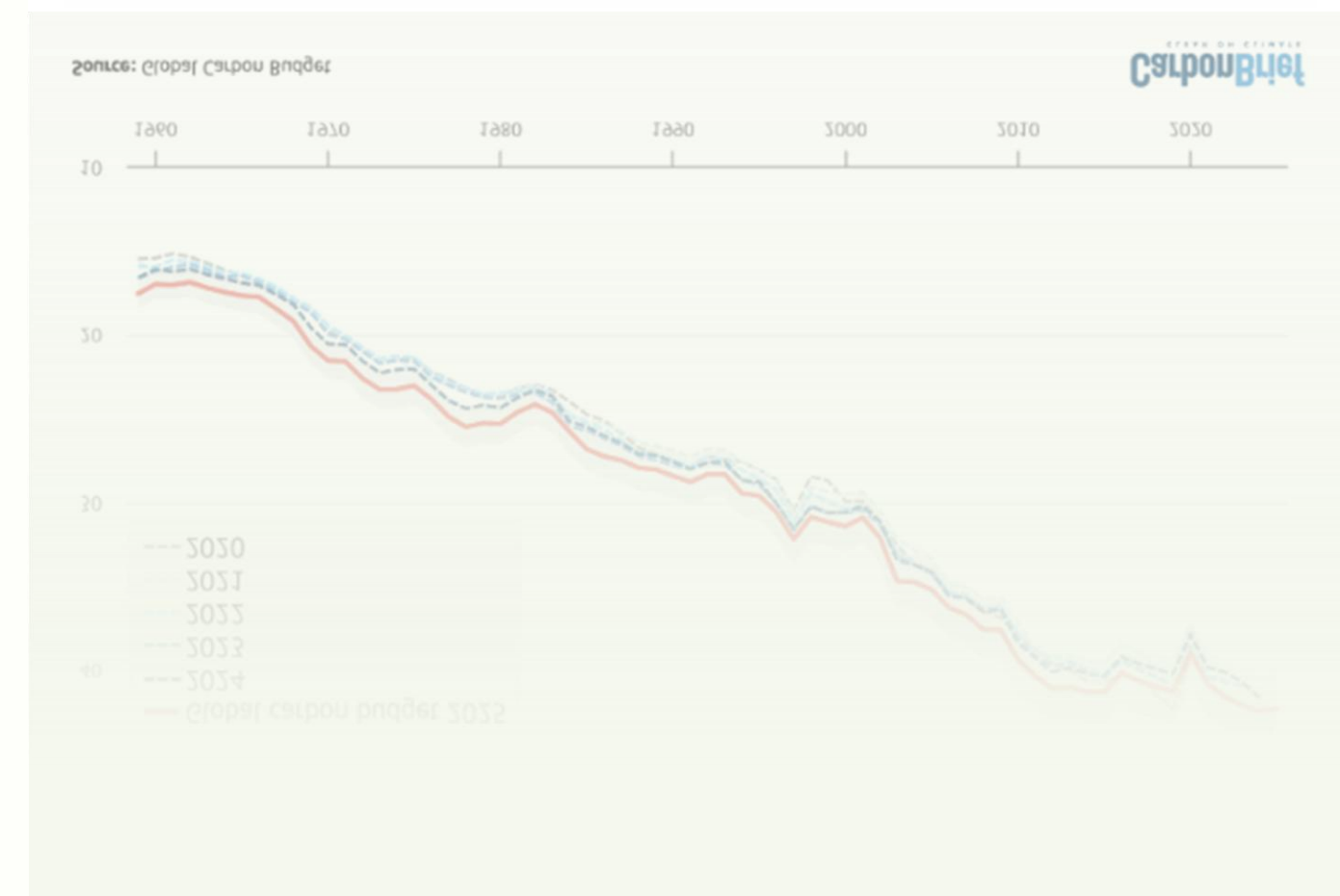
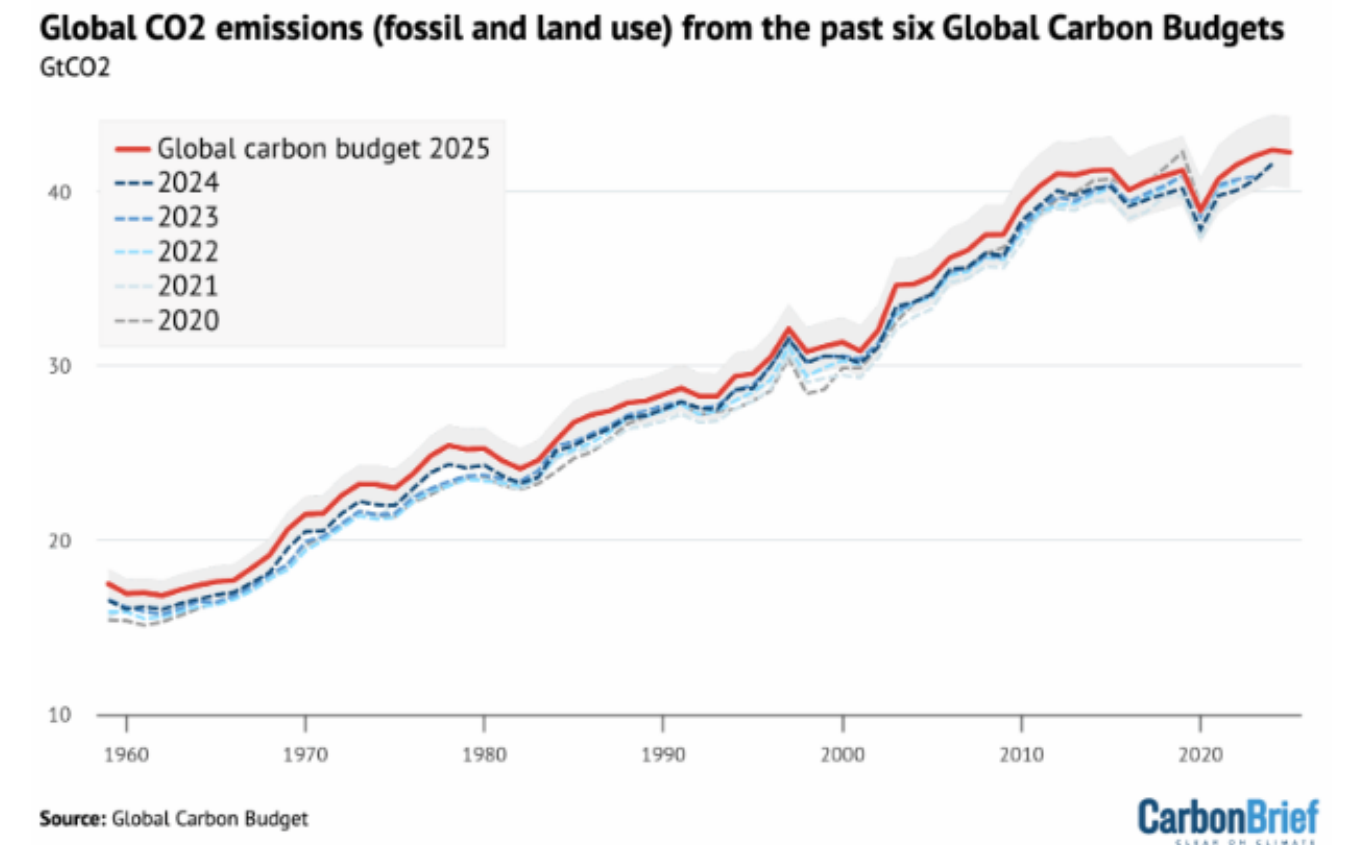
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A cherry-picking free zone?

- I applaud the Global Carbon Project for taking a more realistic view of where the battle against global emissions stands.
- According to its recent report, fossil fuel and cement emissions show no sign of slowing.
- Despite slowing CO₂ emissions in Europe and China, an increased U.S. focus on oil and gas may result in 1% higher emissions from those sources over last year's record level.
- Here's the good news: with emissions from land use falling, global CO₂ emissions are expected to remain relatively unchanged from 2024 levels.
- A slightly different - and more accurate - perspective than from Axios.



Unbiased and Unfiltered

An honest assessment of the cleantech industry and the effort to stem climate change.

