



FEDERAL RESERVE BANK
OF SAN FRANCISCO

How AI and Supply Shocks Are Impacting the Economy

Bellevue Chamber of Commerce, Bellevue, Washington

July 9, 2026

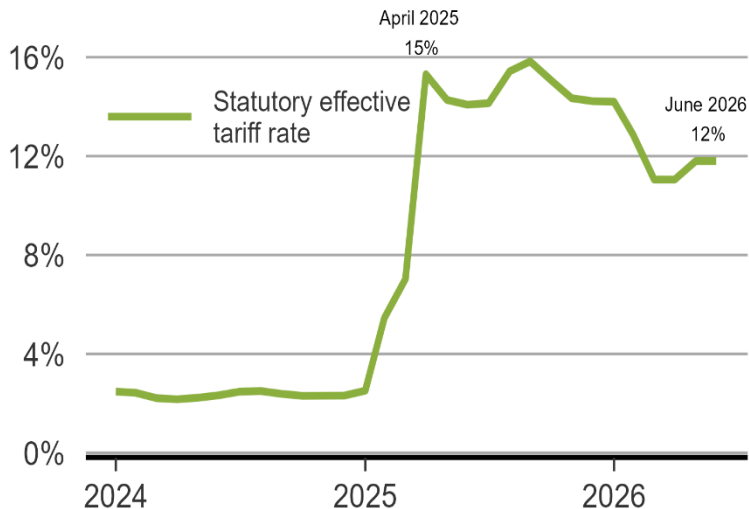
Sylvain Leduc

Executive Vice President & Director of Research

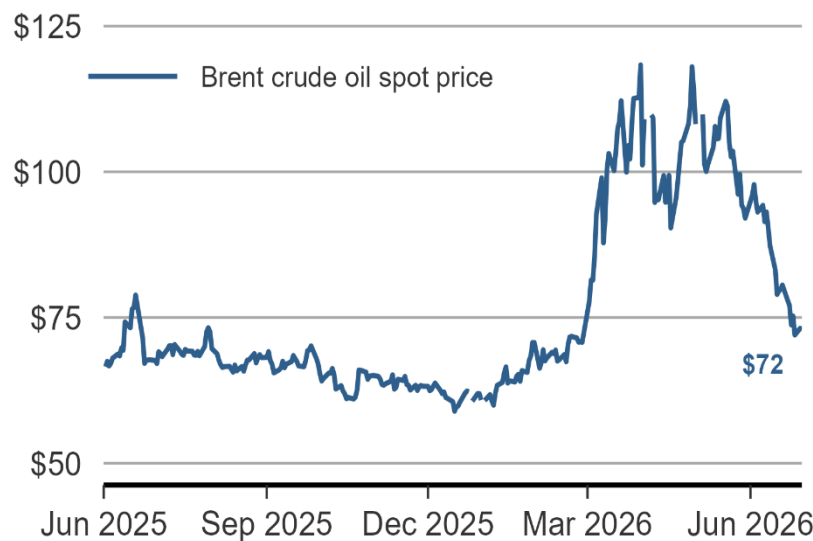
Views expressed are those of the presenter and not necessarily those of the Federal Reserve Bank of San Francisco or the Federal Reserve System.

Two recent large negative supply shocks

U.S. effective tariff rates and crude oil prices



Source: Yale Budget Lab



Source: Intercontinental Exchange

The Fed has two mandates



The diagram consists of two side-by-side squares. The left square is light blue and contains the text 'Maximum Employment'. The right square is orange and contains the text 'Price Stability'.

Maximum
Employment

Price
Stability

Supply shocks are tricky for policymakers

Negative supply shocks tend to:

Increase inflation



higher policy rate

Lower employment



lower policy rate

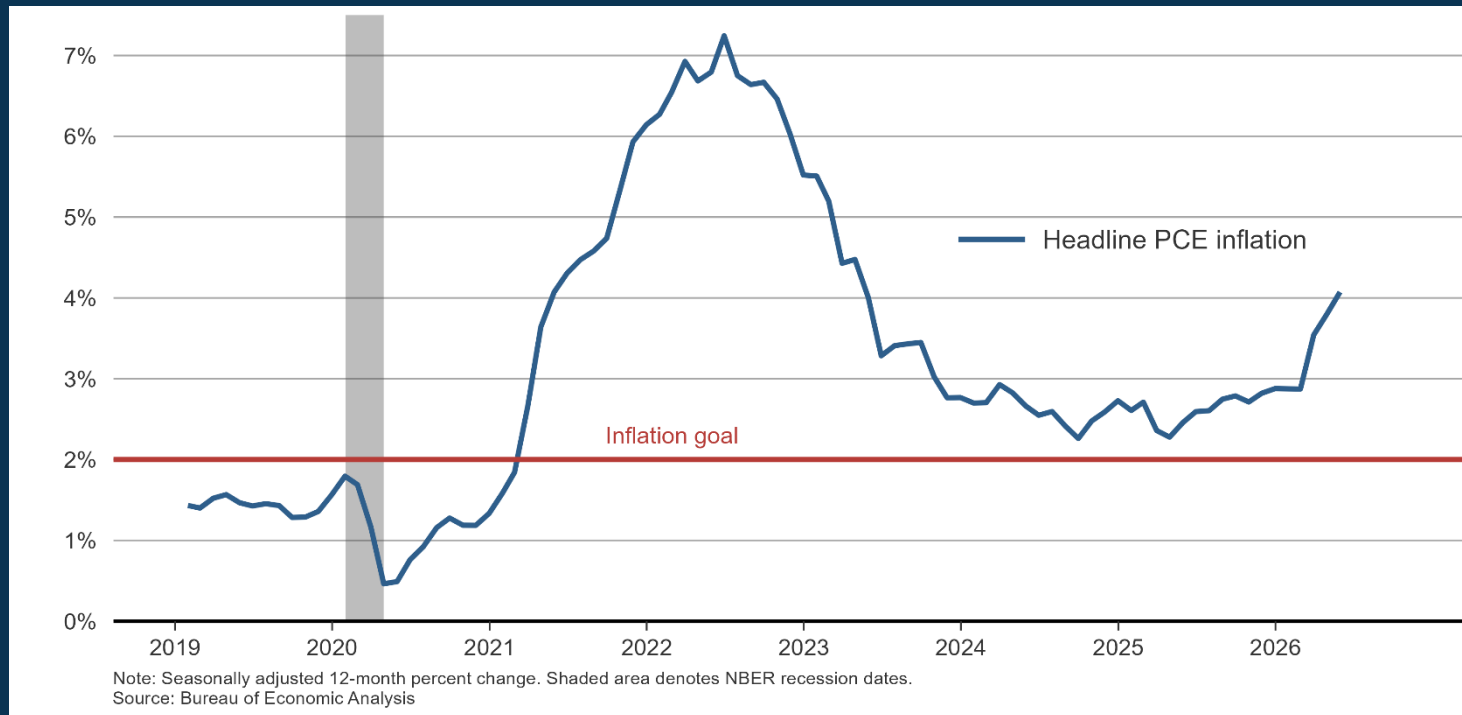
Policymakers take a balanced approach



Inflation

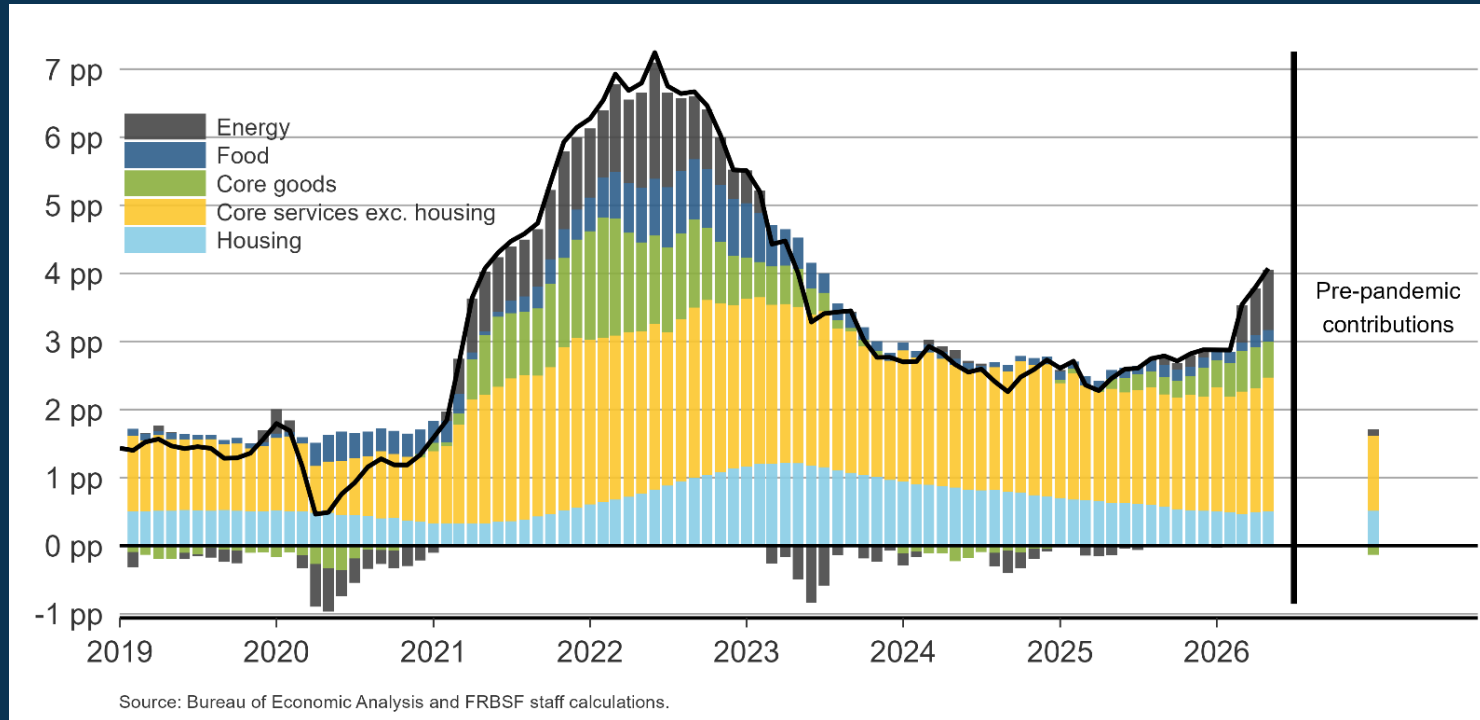
Inflation has been rising over the past year

Headline PCE inflation



Energy and goods prices are boosting inflation

Headline PCE inflation and contributions



Markets expect inflation to fall

Year-ahead breakeven inflation rate

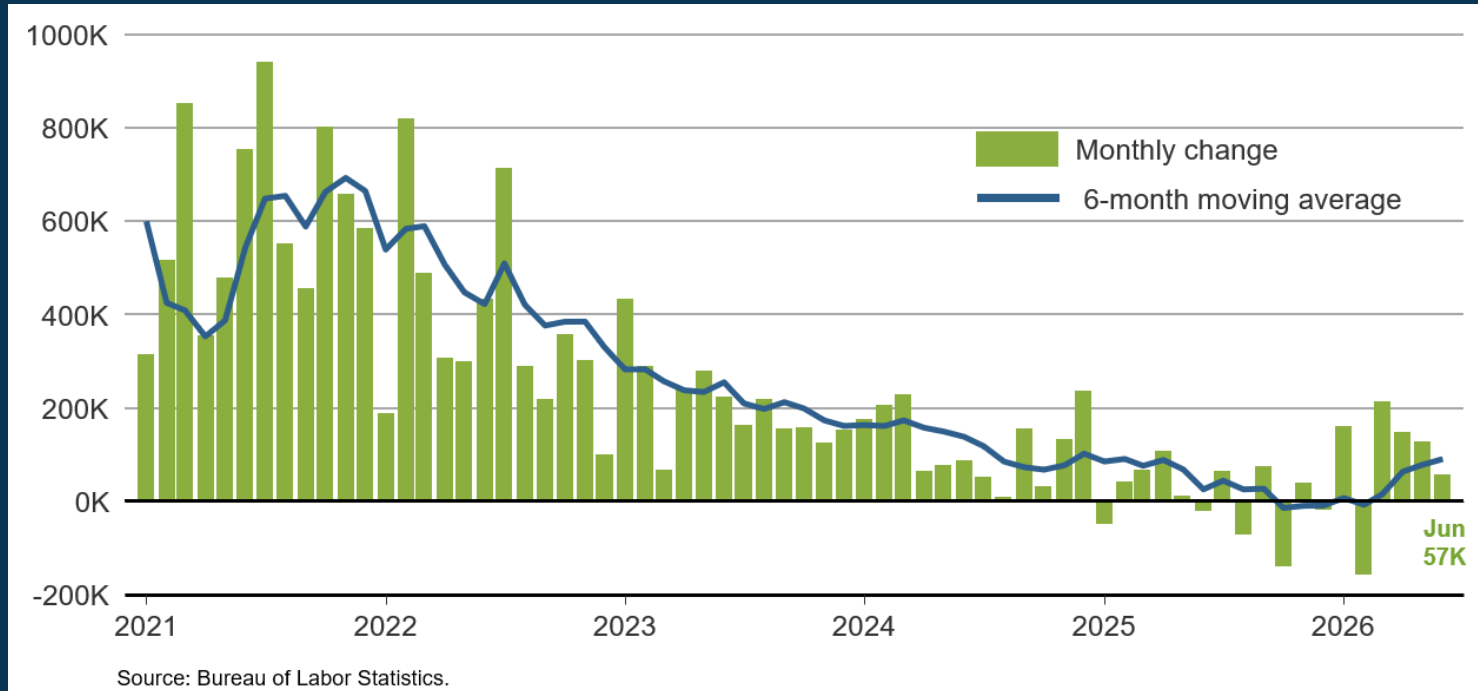




Resilient labor markets and consumer spending

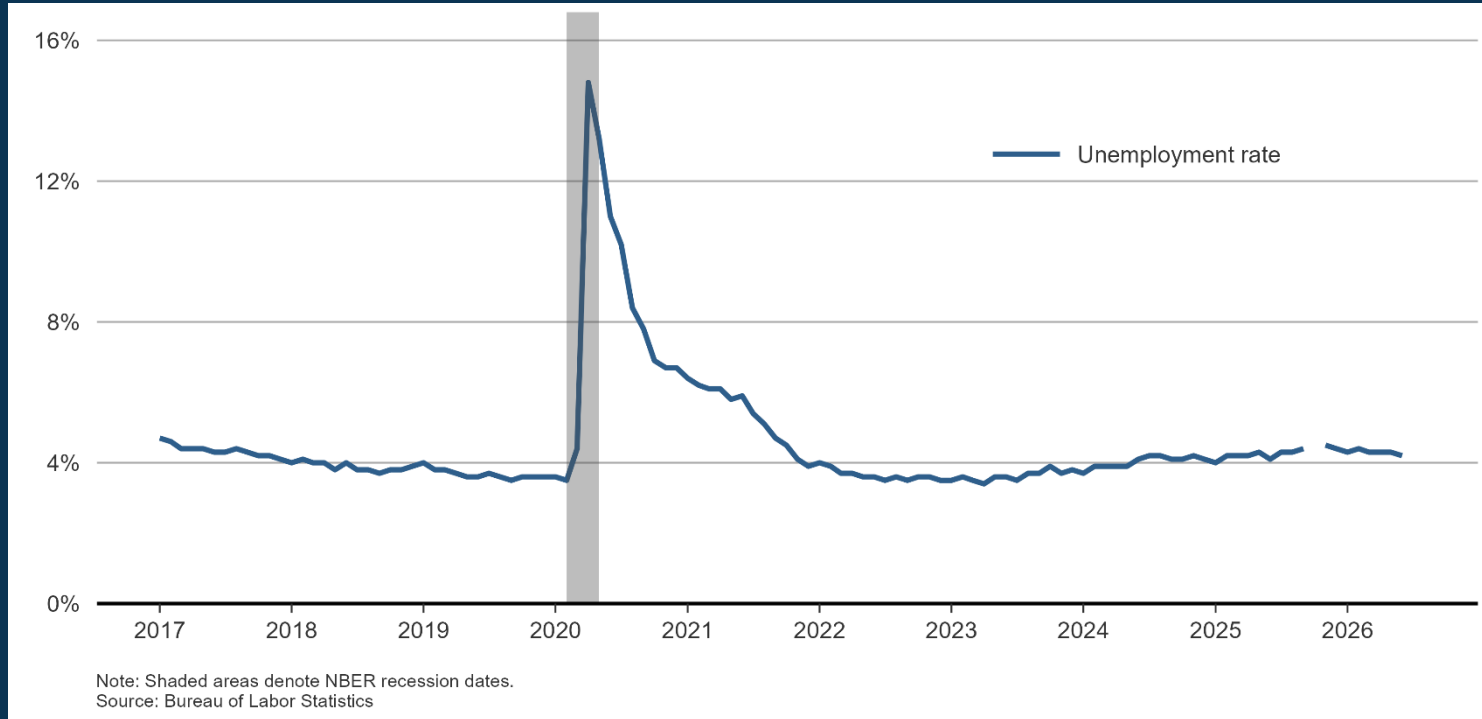
Job gains have picked up in recent months

Monthly gains in payroll employment



The labor market has been resilient

Unemployment rate





What is supporting growth?

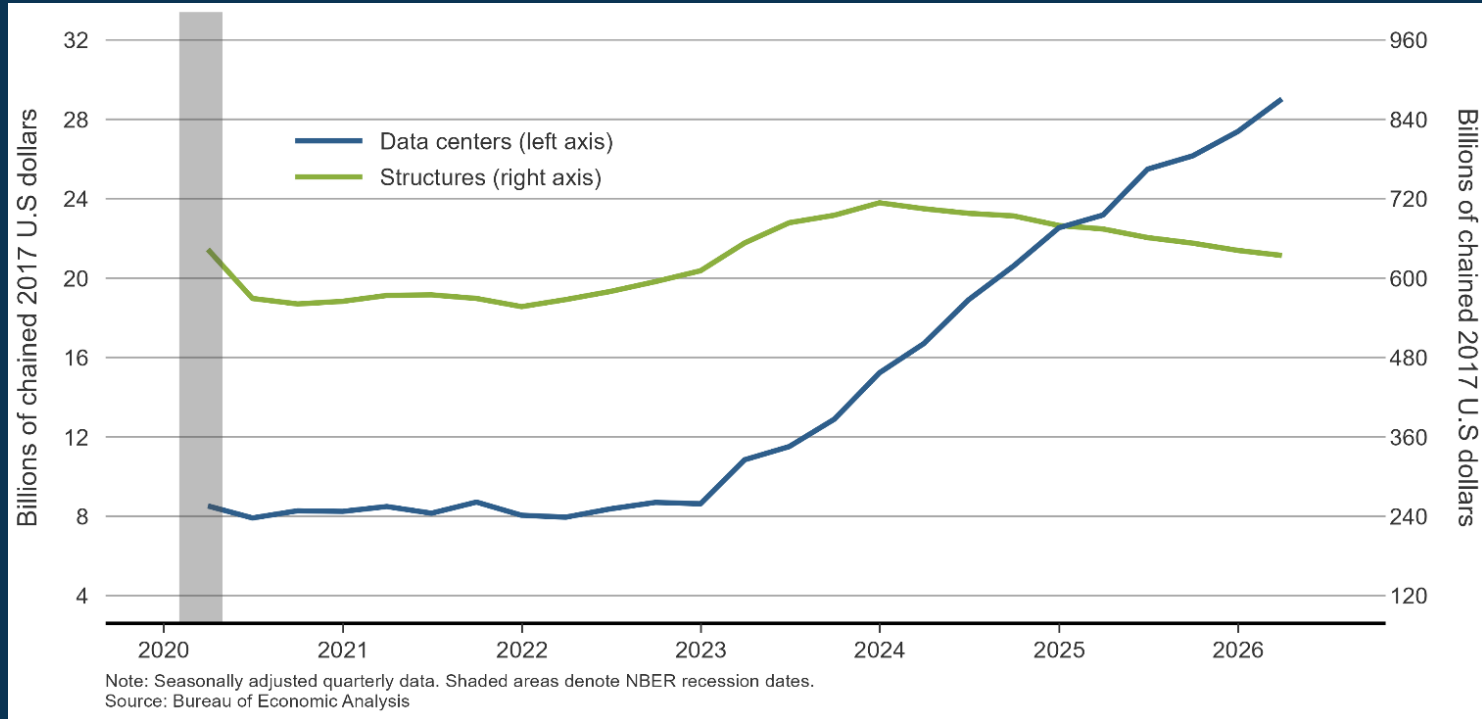
A few firms are gaining from AI enthusiasm

Market capitalization share of top five firms in S&P 500



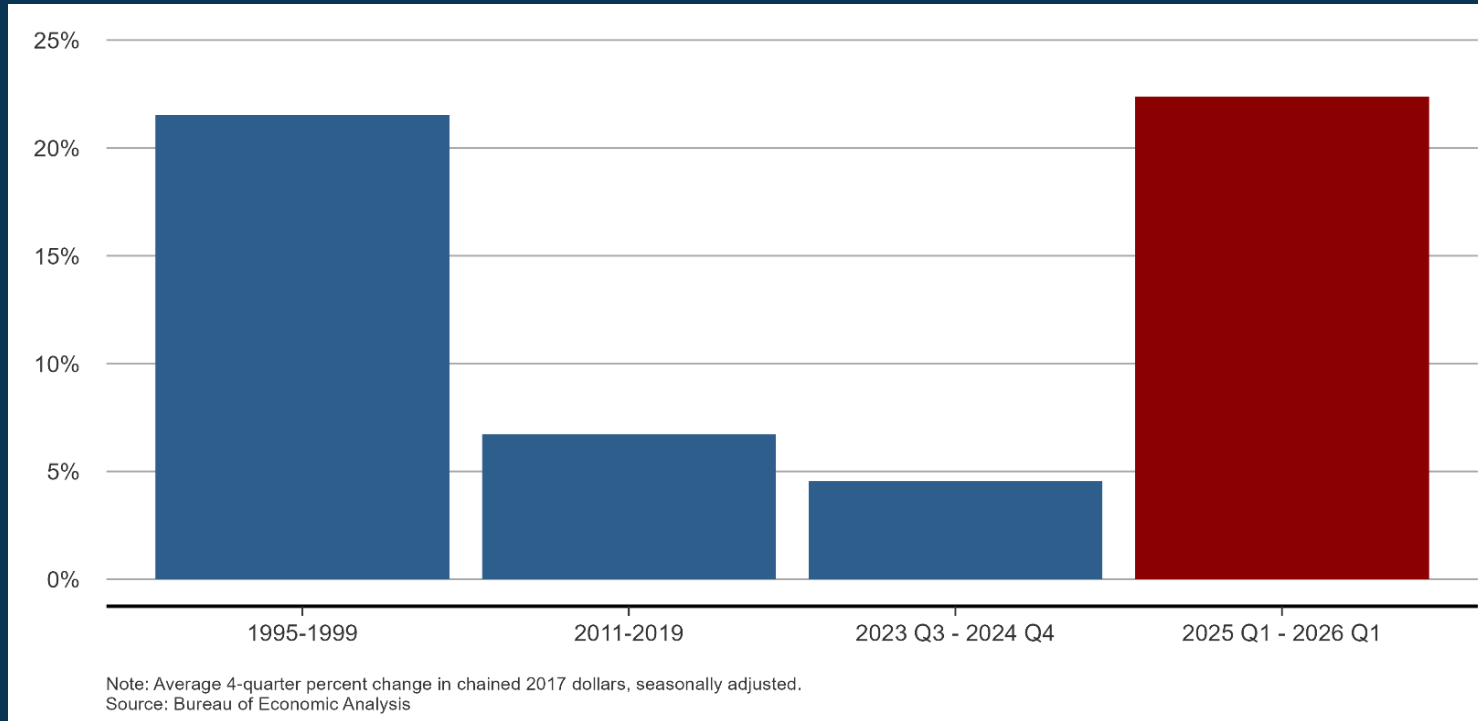
Investment in data centers is rising steadily

Real private investment: Data centers and structures



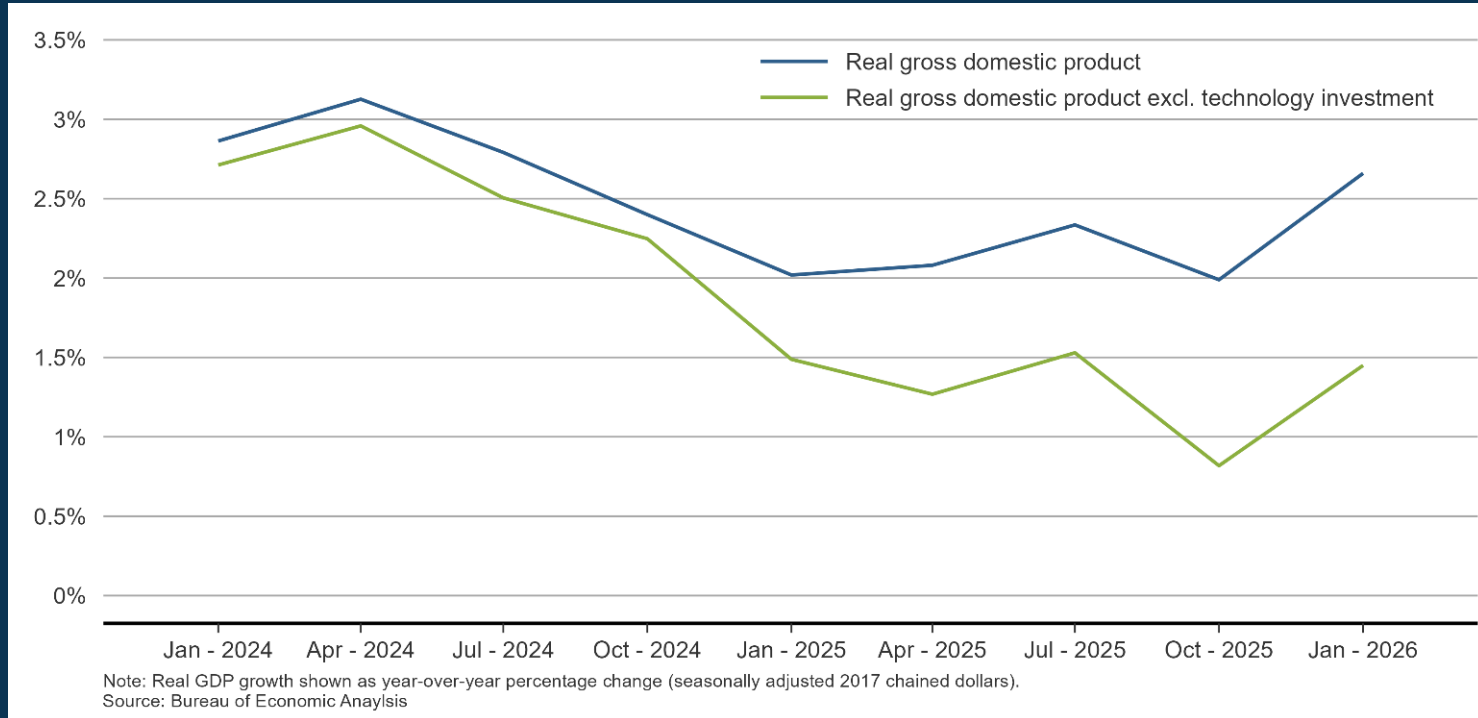
Strong AI-induced equipment investment

Real investment in information processing equipment



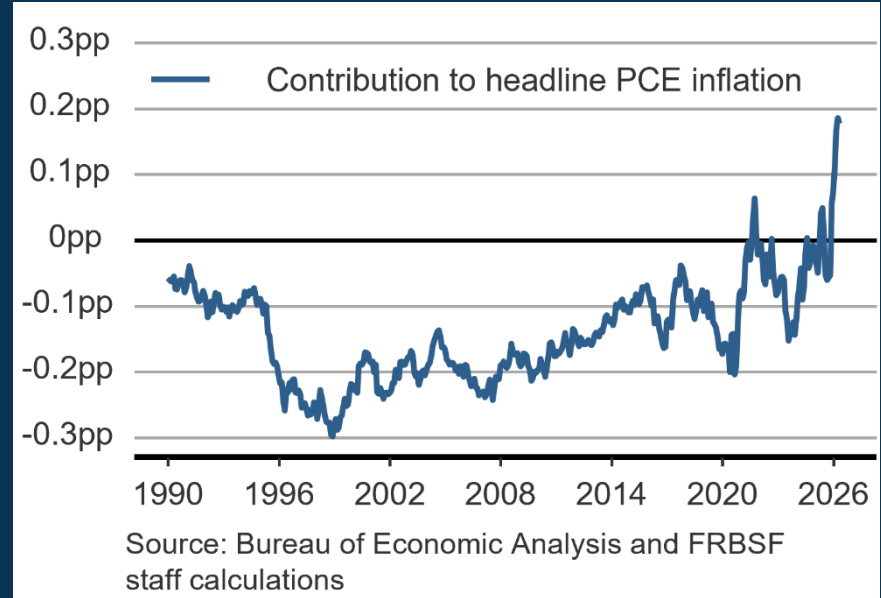
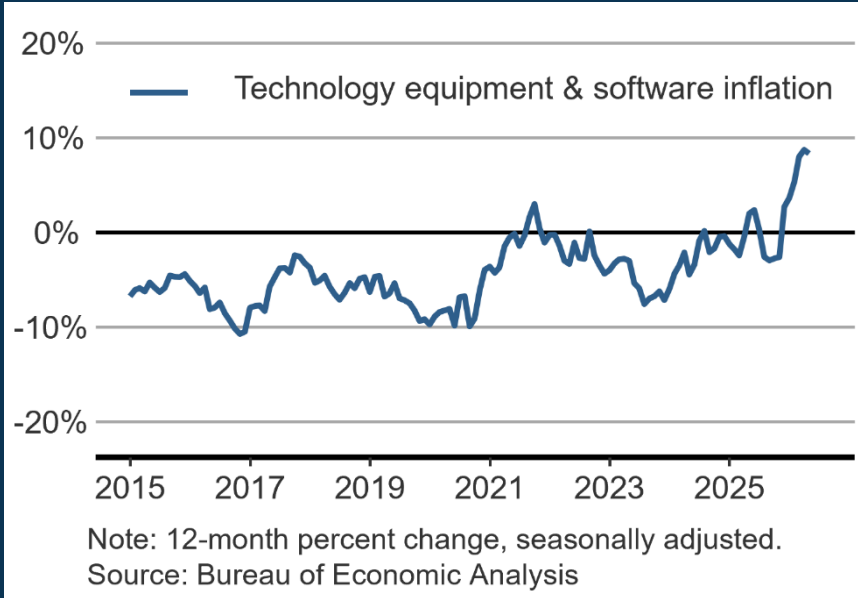
AI-related investments supporting growth

Real investment in information processing equipment



Tech prices pushing inflation up a bit

Technology equipment & software inflation and contribution to PCE inflation





What is the Fed expected to do?

Markets expect the Fed to be on hold

Federal funds rate futures

