

Uncertainty, Markets, and The Economy

FEI Eastern Wisconsin Meeting

March 2025



Macro Economics Review

Aggregate Demand, Gross Domestic Product (GDP) & their drivers

- Aggregate Demand: Value of all goods and services produced in the US economy.
- GDP = Aggregate Demand less price impact (inflation)
- Drivers:
 - Consumption or Consumer Spending
 - Business Investment
 - Government Spending
 - Net Exports

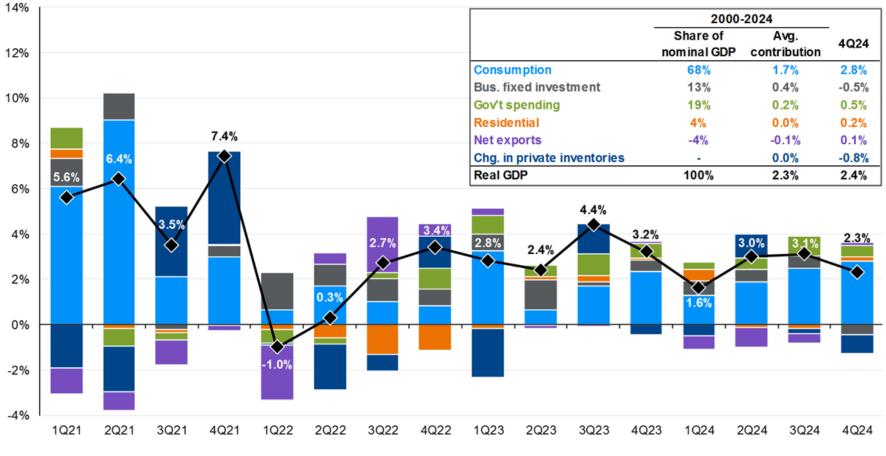
Economic Activity * Productivity \rightarrow Earnings \rightarrow Financial Markets

Components of GDP growth

GTM U.S. 17

Contributors to real GDP growth

Quarter-over-quarter, seasonally adjusted annualized rate



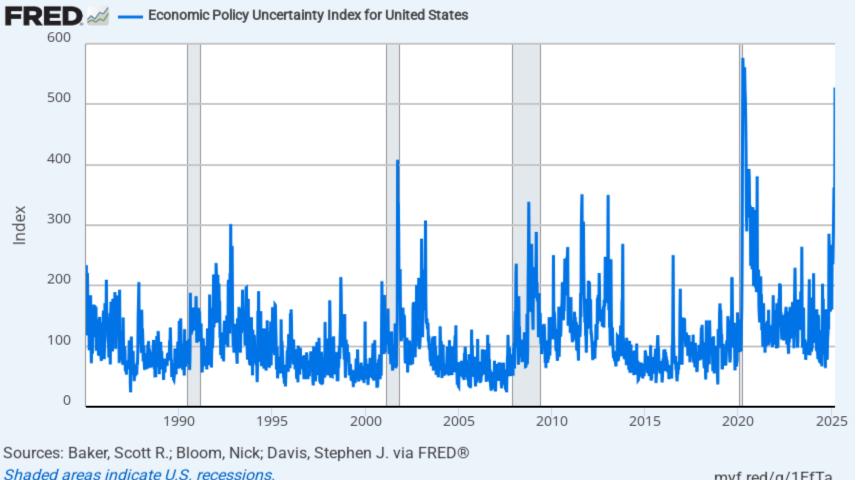
Source: BEA, FactSet, J.P. Morgan Asset Management

Uncertainty





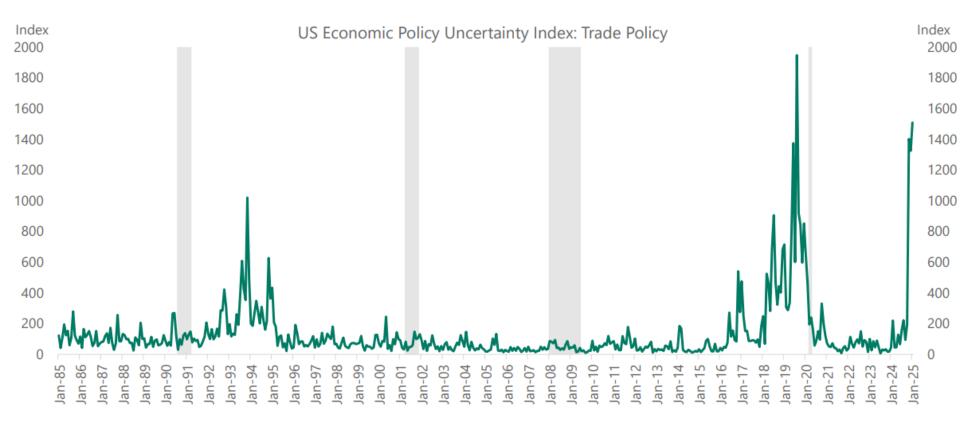
Policy Uncertainty At High Levels



myf.red/g/1EfTa

Driven by Trade Policy Uncertainty

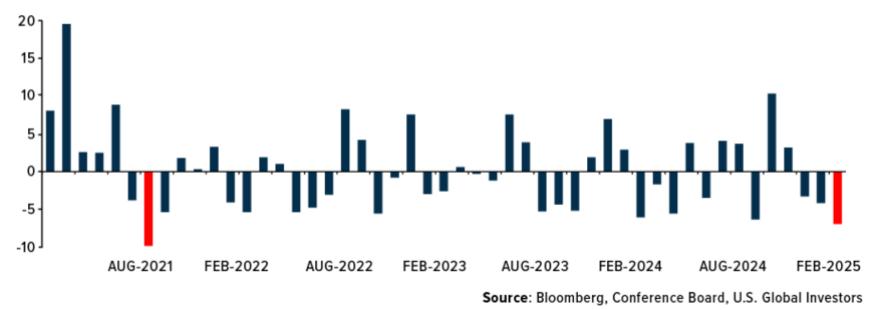




Source: PolicyUncertainty,com, Haver Analytics, Apollo Chief Economist

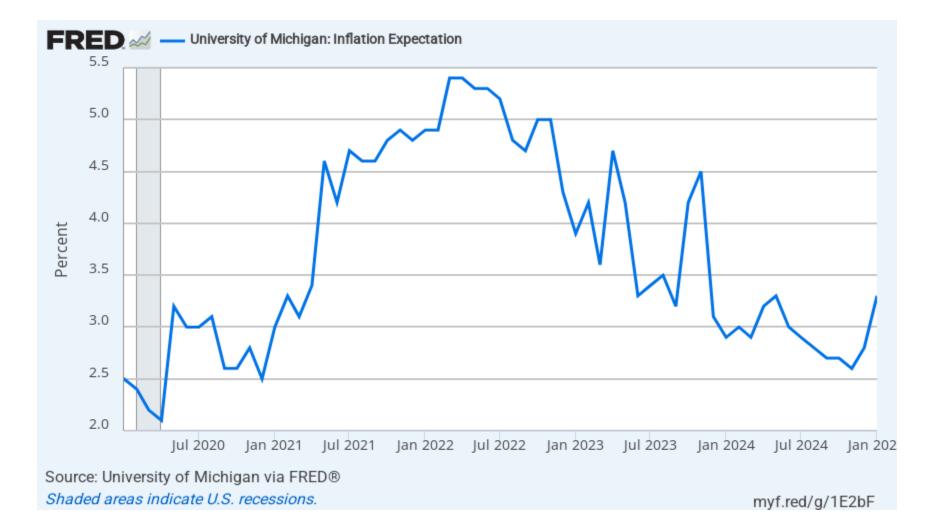
Consumer Confidence Sank at Fastest Rate Since 2021 on Tariff Fears

Conference Board Consumer Confidence Index, Month-over-Month Change | Four-Year Period Through February 2025



≮

More Uncertainty Impacts Inflation Expectations



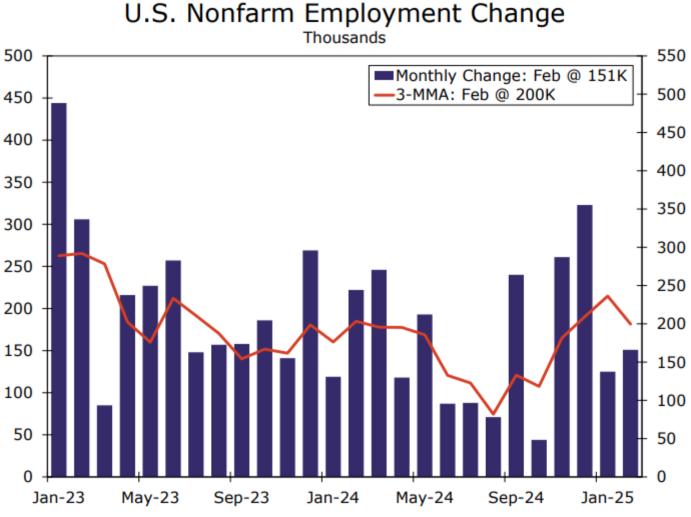
≮



Consumer Spending

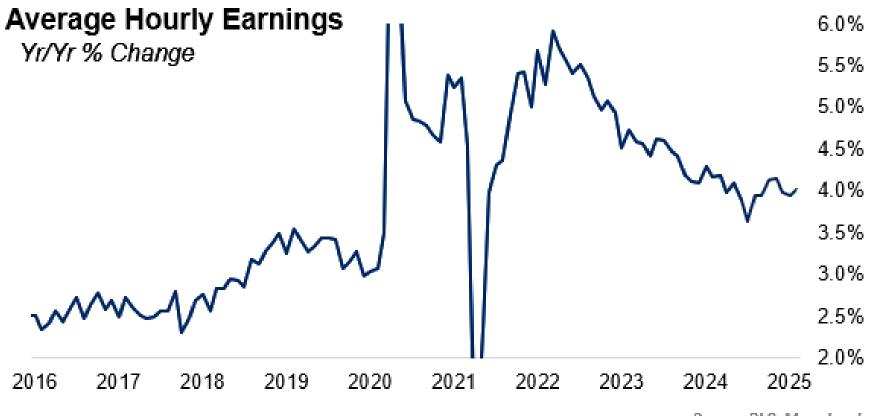


Employment Looks Strong



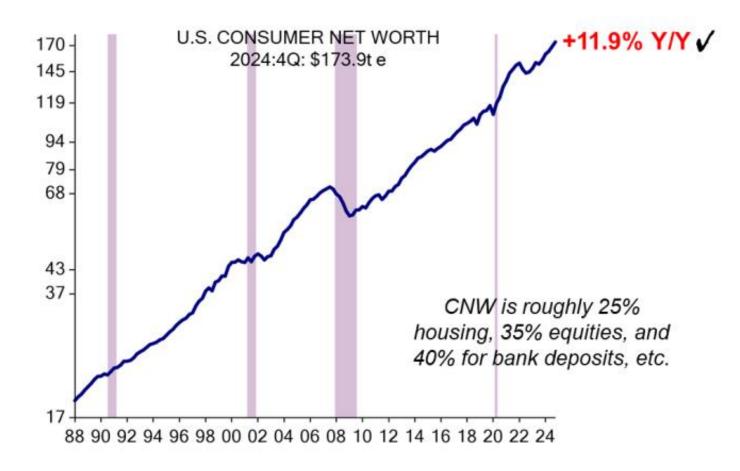
Source: U.S. Department of Labor and Wells Fargo Economics

Average Hourly Earnings Support Spending

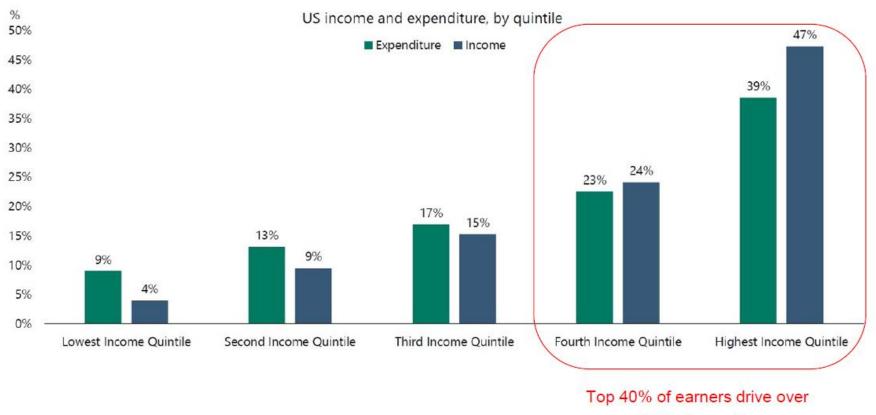


Source: BLS, Macrobond

Wealth Effect Supports Spending, Especially for Retirees



Wealth Effect Supports Spending, Especially for Retirees

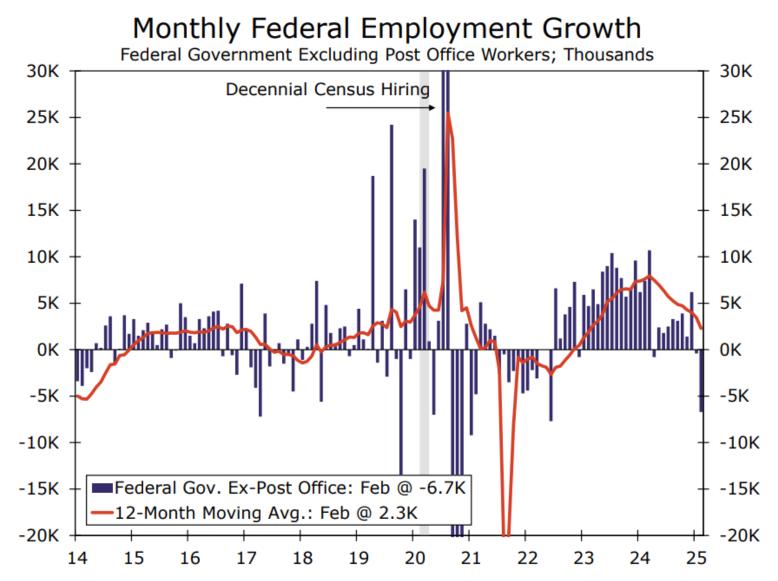


60% of spending

Source: BLS, Haver Analytics, Apollo Chief Economist, Data for 2023

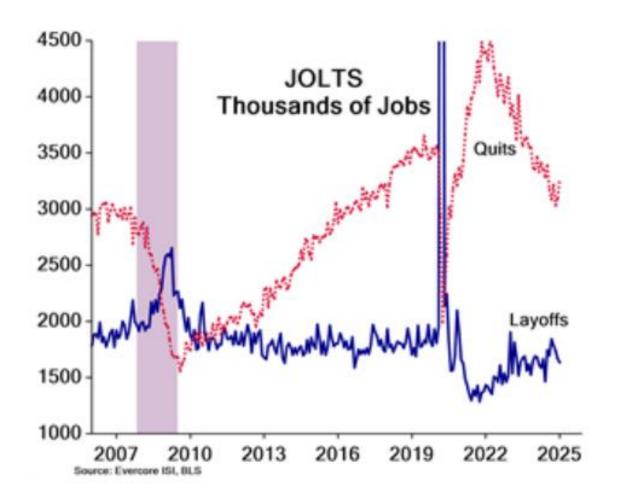
Federal Employment is Falling





Source: U.S. Department of Labor and Wells Fargo Economics

Can the Economy Absorb Rising Layoffs?



Drivers of Economic Growth

÷



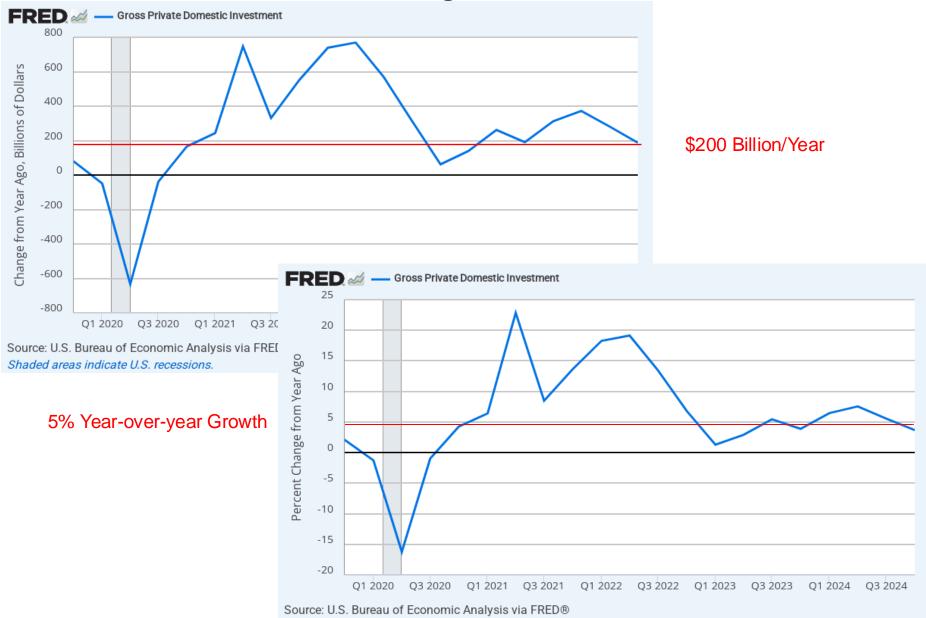
- + Investment
- + Government
- + Exports Imports
- = Growth

Capital Spending





US Private Investment Is Large & Continues to Grow

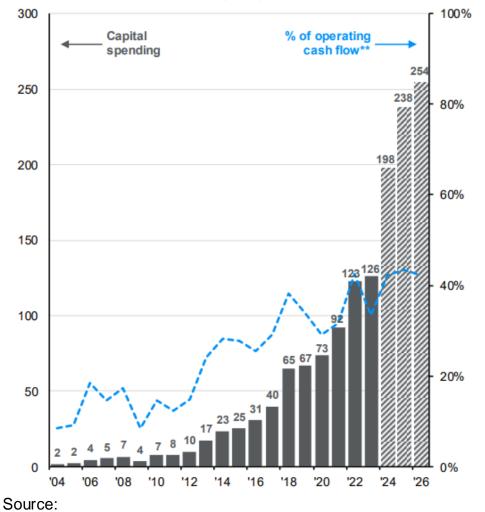


Shaded areas indicate U.S. recessions.

AI Spending is Not Going Away

Capex from the major AI hyperscalers*

USD billions; Alphabet, Amazon (AWS), Meta, Microsoft, Oracle



Source: JPM Asset Management. Data from Bloomberg as of Feb. 28th, 2025

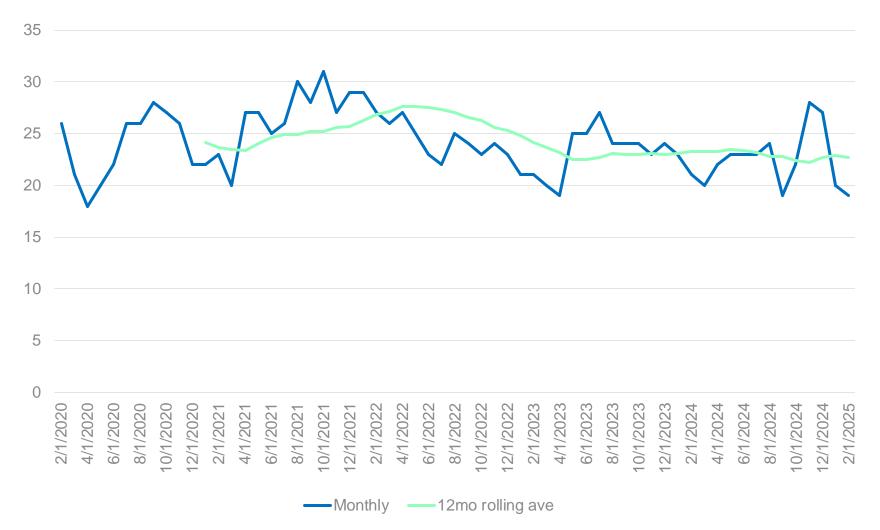
*Hyperscalers are the large cloud computing companies that own and operate data centers with horizontally linked servers that, along with cooling and data storage capabilities, enable them to house and operate AI workloads.

**Reflects cash flow before capital expenditures in contrast to free cash flow, which subtracts out capital expenditures.

Small Business Spending Plans Fading



NFIB Percent Planning a Capital Expenditure During Next 3-6 months



Drivers of Economic Growth

÷

÷

 \mathbf{k}

Consumer

+ Investment

+ Government

+ Exports – Imports

= Growth

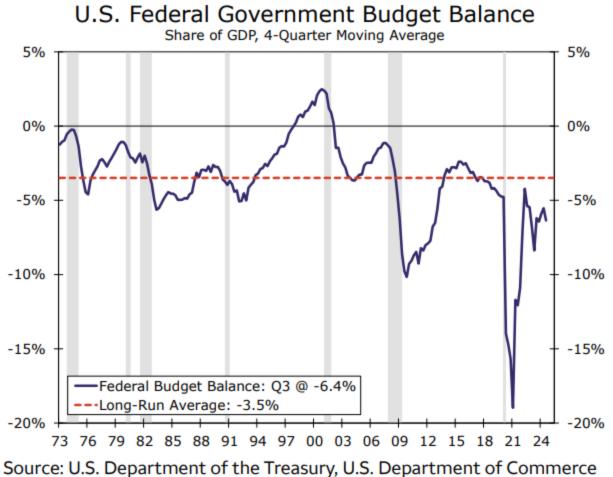


Government Spending



Government Spending Trend

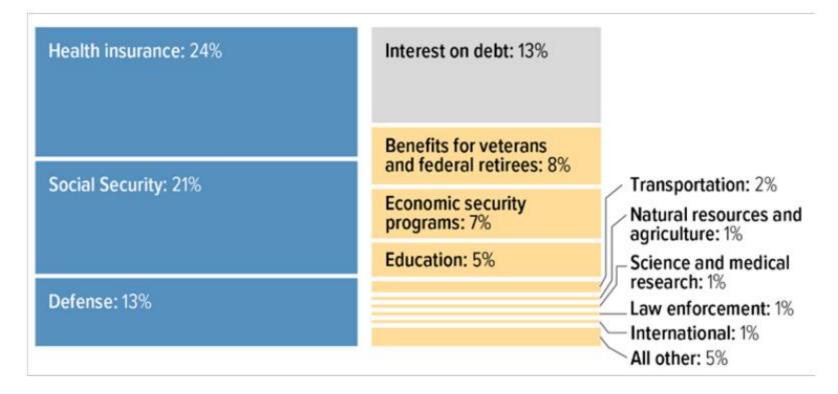




and Wells Fargo Economics

Where Are Federal Dollars Spent?

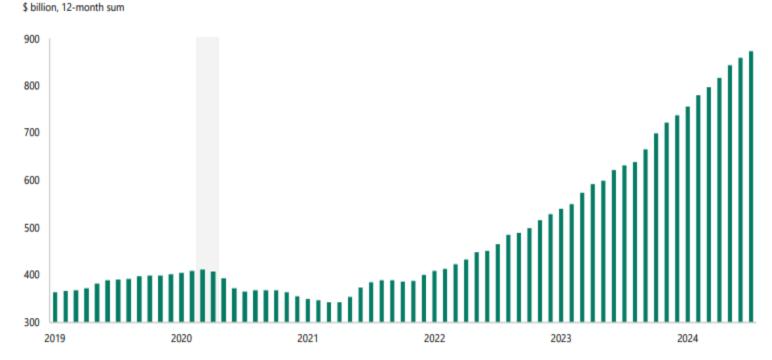
Federal Budget Allocations



Sources: House Budget Committee, CRFB, OMB, CBPP

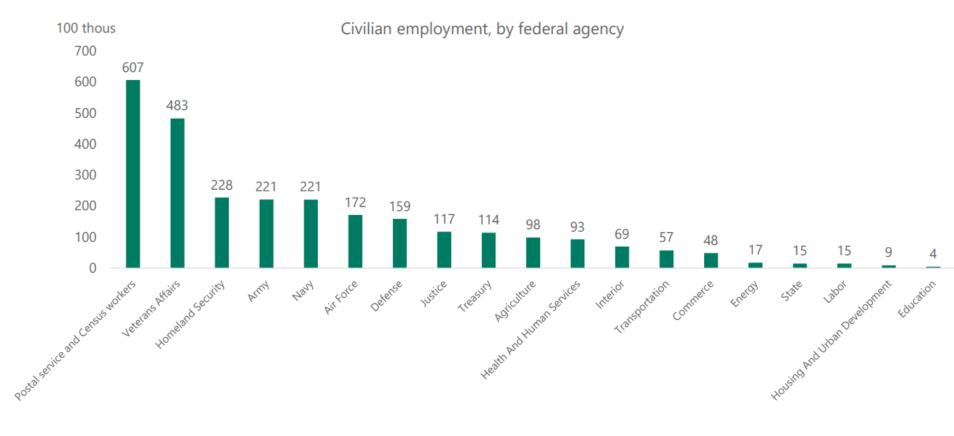
Total US Government Interest Expense Nearing \$1 Trillion per Year

TOTAL INTEREST EXPENSE ON PUBLIC ISSUES



Data as of July 2024. Sources: US Treasury, Haver Analytics, Apollo Chief Economist

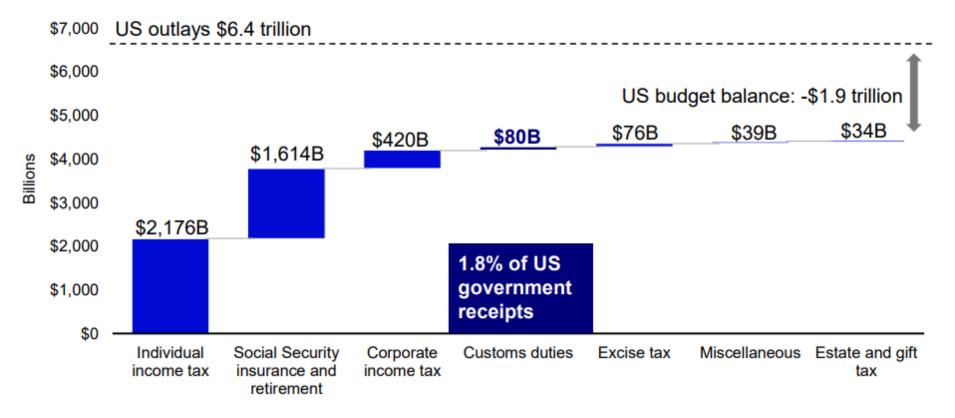
Federal Agency Employment



Source: Office of Personnel Management, BLS, Bloomberg, Apollo Chief Economist

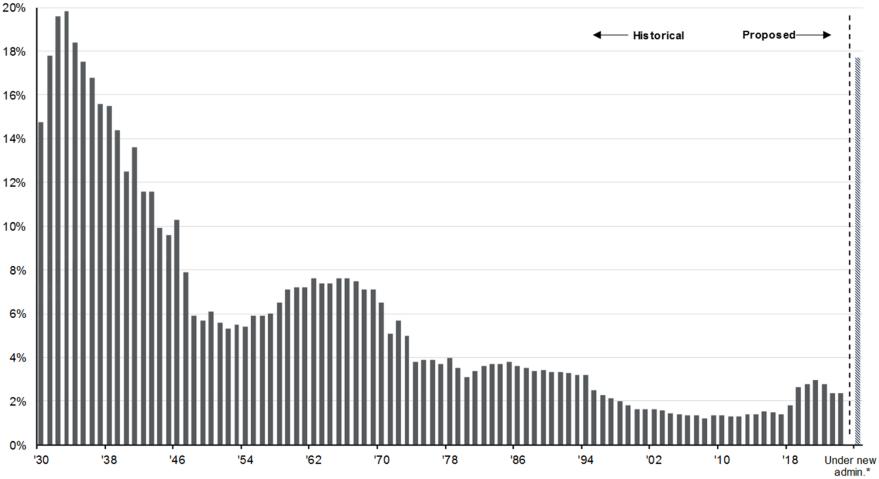


US government receipts by source (fiscal year 2023)



US Imports totaled roughly \$3.5-\$4 trillion in goods and services.

Tariff Revenue and Budget Deficit



Average tariff rate on U.S. goods imports for consumption

Duties collected / value of total goods imports for consumption

Source: Tax Foundation, United States International Trade Commission, U.S. Department of Commerce, J.P. Morgan Asset Management.

Drivers of Economic Growth

÷

÷

≮

Consumer

- + Investment
- + Government
- + Exports Imports
- = Growth



Trade



Trade is Complex



North America produced roughly 16 million car parts in 2023.

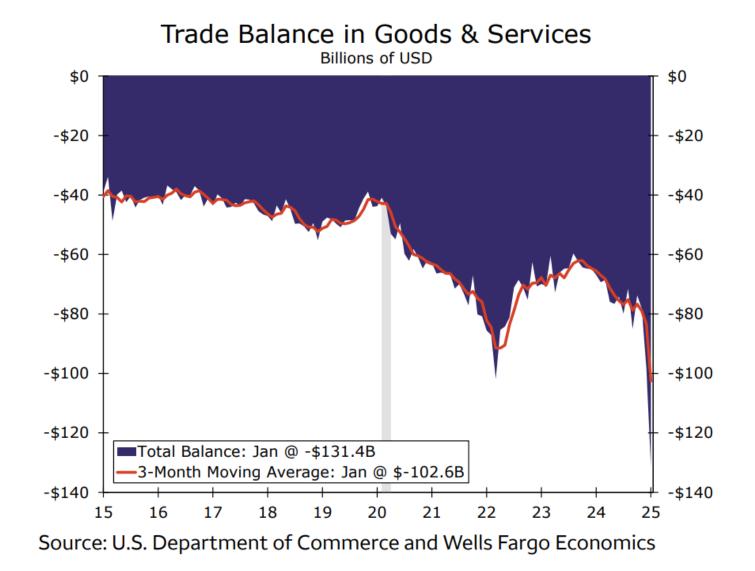
Number of border crossings: 6

- Raw aluminum to manufacture a piston is shipped from Michigan to Ontario.
- Piston is cast and premachined, and then sent to Michigan.
 - Piston is sent to Mexico to be finished.
- Piston is sent back to Wisconsin, where it gets assembled with rods and rings, and then sent to an engine plant in Michigan.
- Piston is put into an engine in Michigan, which is then sent to a vehicle assembly plant in Ontario.
- Vehicles are shipped to the U.S. and Mexico as Canadian exports.



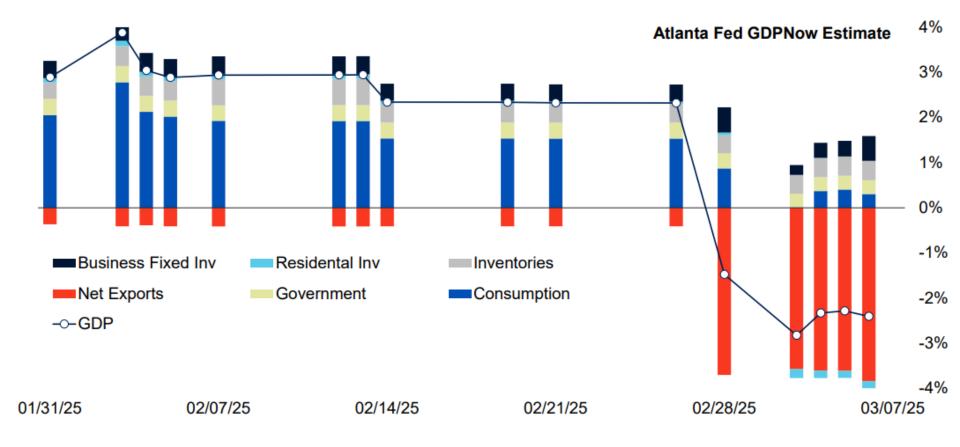
Sources: Eduardo Solis Consulting analysis of Mexican Auto Industry Association, Canadian Vehicle Manufacturers' Association and Transportation Border Working Group data

Trade Balance Significantly Declined in January





Import surge not yet reflected in inventories.



Source: FHN Financial

Drivers of Economic Growth

÷

÷

Consumer

- + Investment
- + Government -
- + Exports Imports ?
- = Growth

Drivers of Economic Growth

+

÷



Consumer

- + Investment
- + Government
- + Exports Imports ?
- = Growth +

	2000-2024		
	Share of nominal GDP	Avg. contribution	4Q24
Consumption	68%	1.7%	2.8%
Bus. fixed investment	13%	0.4%	-0.5%
Go√t spending	19%	0.2%	0.5%
Residential	4%	0.0%	0.2%
Net exports	-4%	-0.1%	0.1%
Chg. in private inventories	-	0.0%	-0.8%
Real GDP	100%	2.3%	2.4%



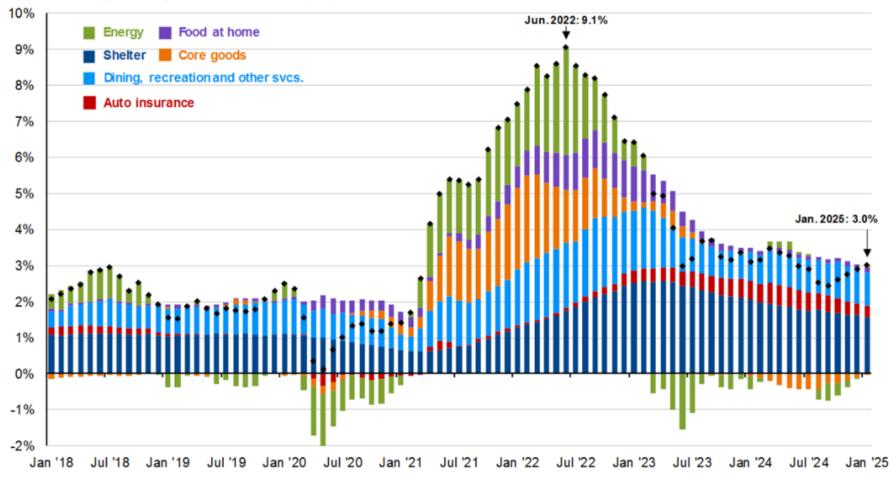
Inflation

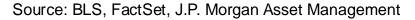


Shelter has been a consistent recent contributor to inflation

Contributors to headline CPI inflation

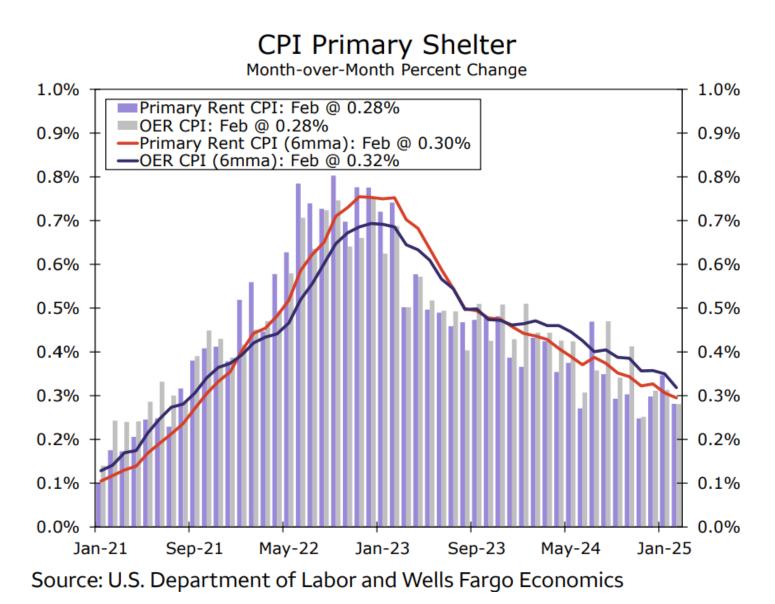
Contribution to y/y % change in CPI, non-seasonally adjusted





Inflation

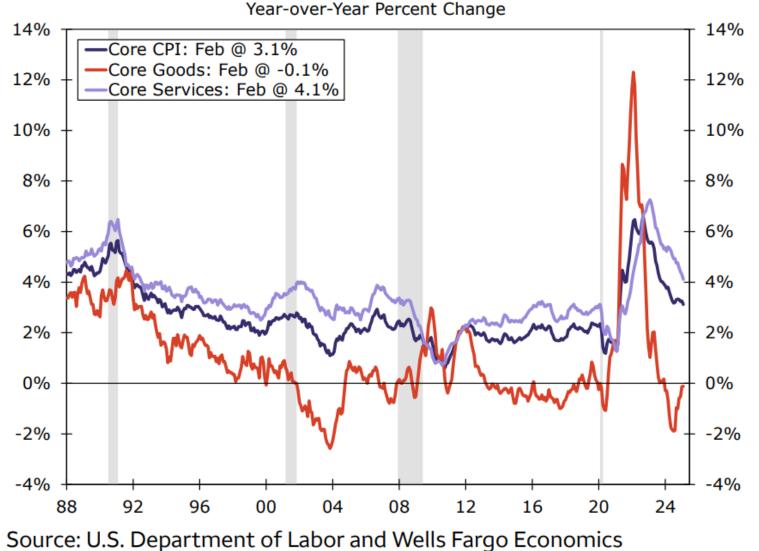




Inflation



Core Goods vs. Services CPI



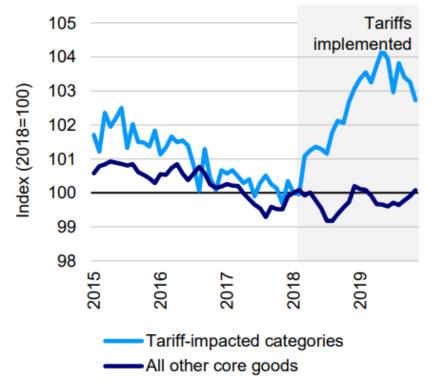
Will Tariffs Be Inflationary?



- •••

0

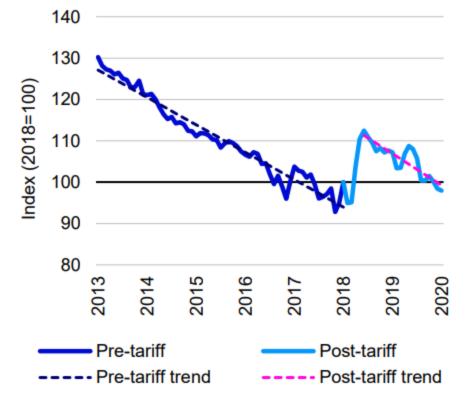
US Consumer Price Index: Tariff-impacted categories vs. all other core goods



Above Chart: In 2018, there was a clear price increase in tariff-impacted categories (E.g., appliances). The price of all other core goods was not affected.

Below Chart: CPI for Laundry Equipment increased at first but declined in subsequent months.

US Consumer Price Index Example: Laundry equipment



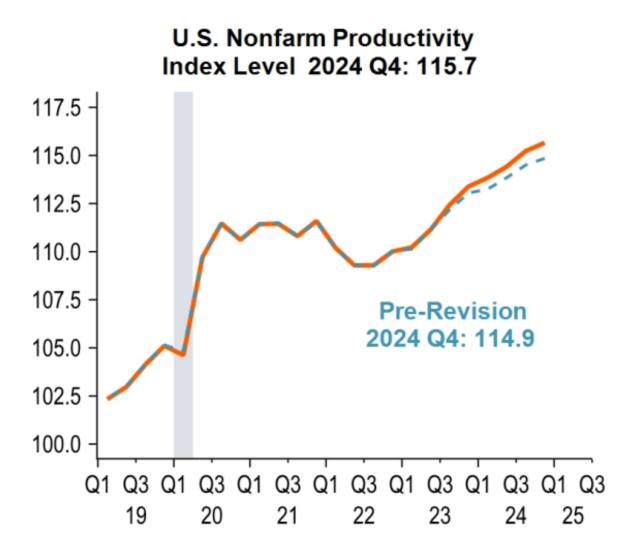
Source: Invesco and US Bureau of Labor Statistics, 10/31/24.



Productivity & Earnings



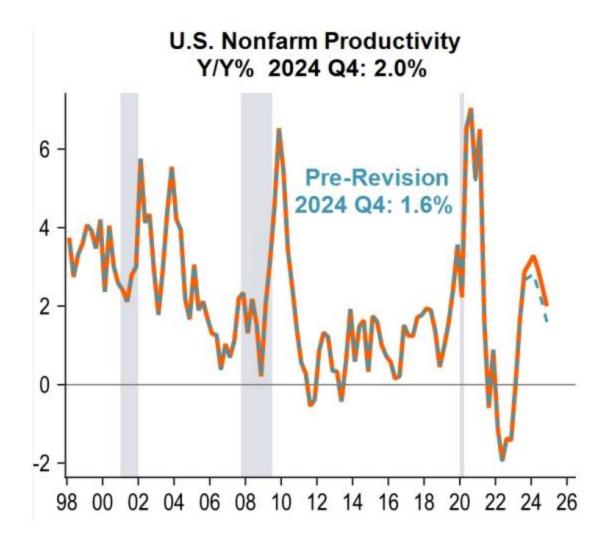
Stronger Productivity Produce More With The Same Resources



Source: Piper Sandler

Stronger Productivity

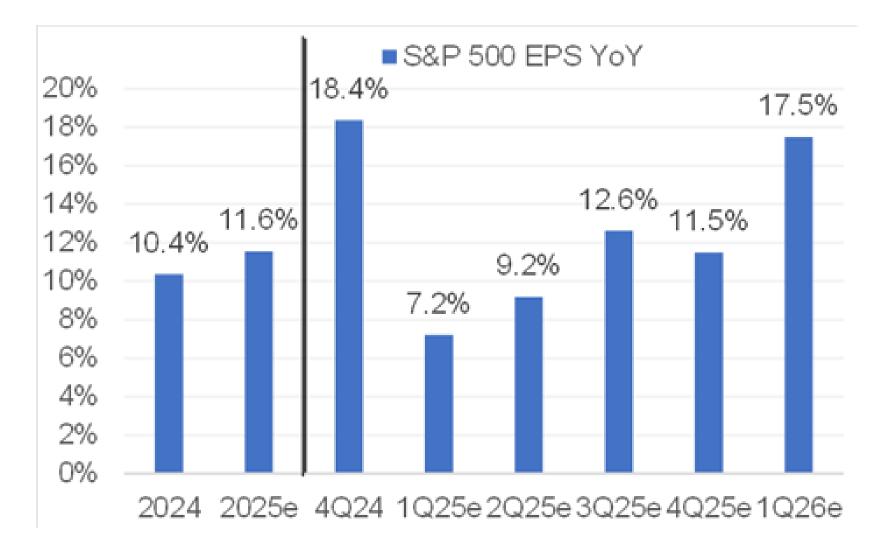
Though Slower to end 2024, Productivity Grew at a 2% year-over-year rate, which is higher than pre-COVID trend





Earnings





Macro Economics Review



Aggregate Demand, Gross Domestic Product (GDP) & their drivers

- Aggregate Demand: Value of all goods and services produced in the US economy.
- GDP = Aggregate Demand less price impact (inflation)
- Drivers:
 - Consumption or Consumer Spending
 - Business Investment
 - Government Spending
 - Net Exports

 $\textbf{Economic Activity * Productivity} \rightarrow \textbf{Earnings} \rightarrow \textbf{Financial Markets}$



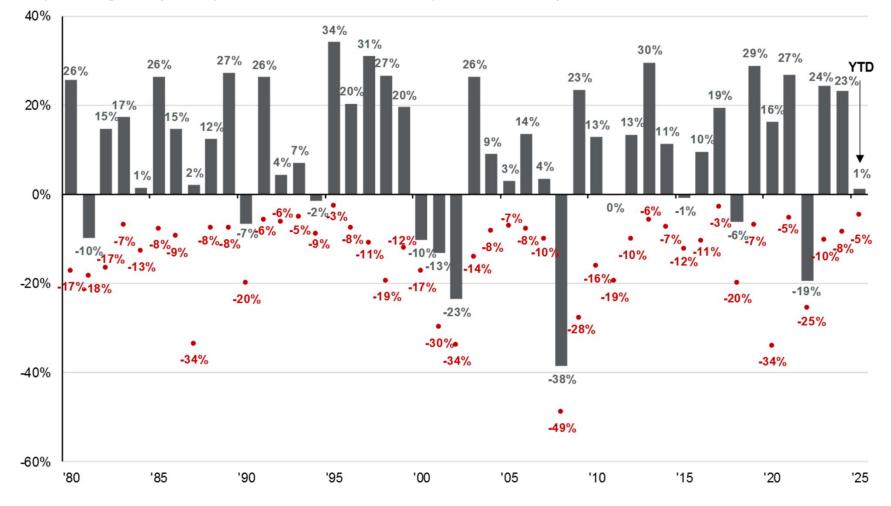
Volatility Is the Toll We Pay



Stocks Returns Vary Greatly

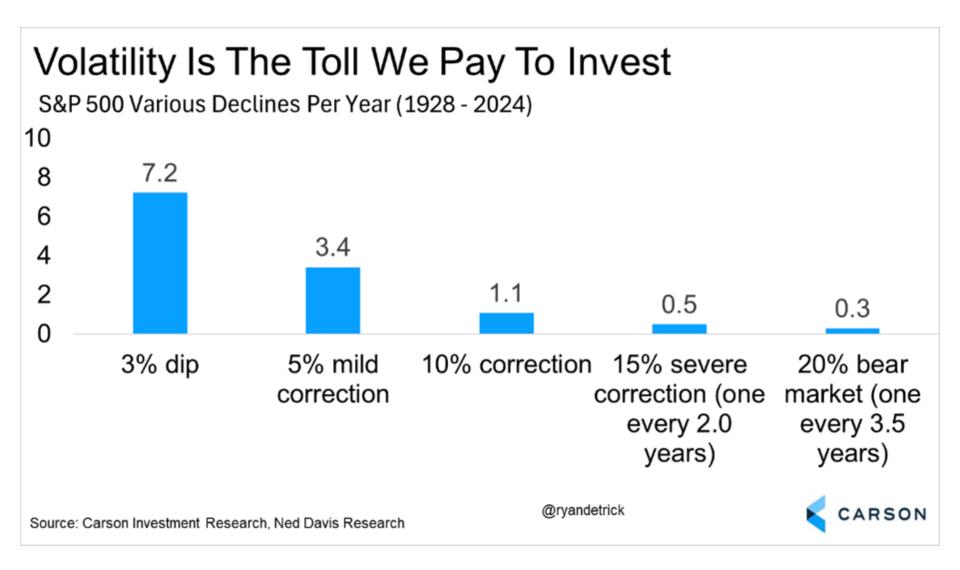
S&P intra-year declines vs. calendar year returns

Despite average intra-year drops of 14.1%, annual returns were positive in 34 of 45 years



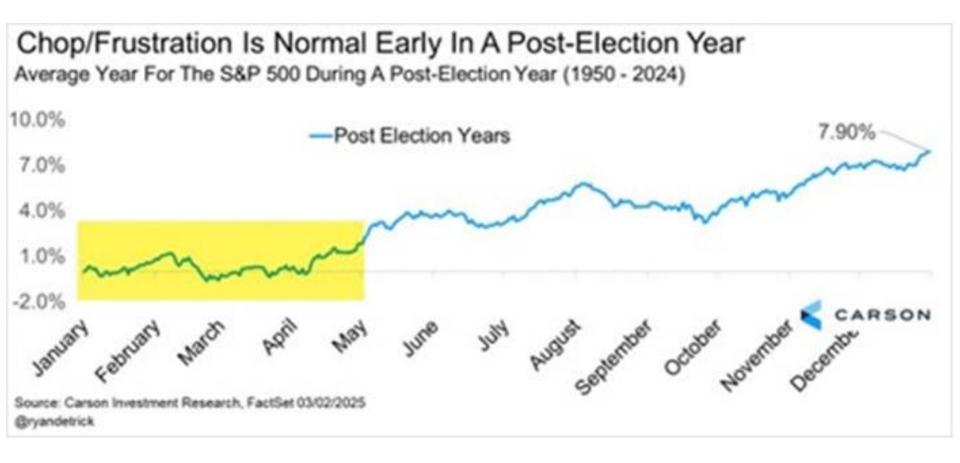
Source: JPM Asset Management, Guide to the Markets, February 2025





Post-Election Years Tend to be Weak





Summary



- Uncertainty is in the driver's seat in 2025
- Aggregate Demand appears supportive but warrants close attention
- Inflation, and impacts from tariffs will bear close scrutiny
- Productivity is above pre-COVID trends and earnings still appear solid
- Volatility is the Toll We Pay to Invest



Questions & Answers



Investment, Securities and Insurance Products:

Associated Bank and Associated Bank Private Wealth are marketing names AB-C uses for products and services offered by its affiliates. Investment management, fiduciary, administrative and planning services are provided by Associated Trust Company, N.A. ("ATC"). Investment management services are also provided to ATC by Kellogg Asset Management, LLC® ("KAM"). ATC is a wholly owned subsidiary and affiliate of Associated Bank, N.A. ("AB"). AB is a wholly-owned subsidiary of Associated Banc-Corp ("AB-C"). KAM is a wholly owned subsidiary and affiliate of ATC. AB-C and its affiliates do not provide tax, legal or accounting advice. Please consult with your advisors regarding your individual situation.