

## Macro-Economic & Interest Rate Update

February 2024

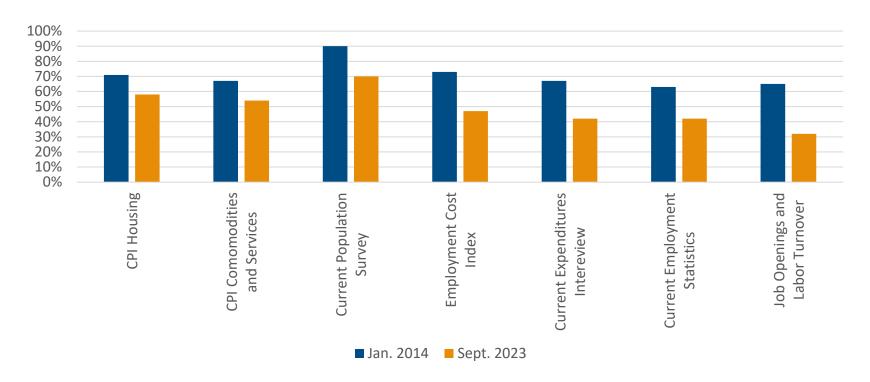
#### To briefly summarize...

#### "Can't someone bring me a onehanded Economist?"

President Harry Truman, 1945-1953

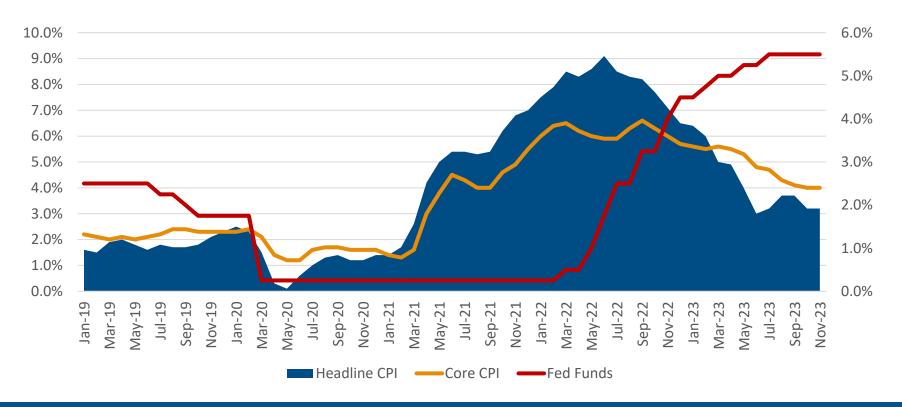


#### Data, and its use, aren't getting better...





#### A big mis-read by the Federal Reserve...



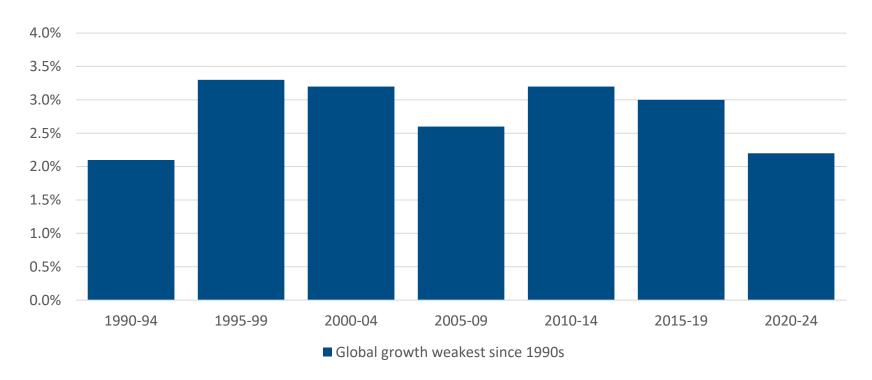


2023 was pleasant compared to 2022...but,

# 2024 could be a pivot year!

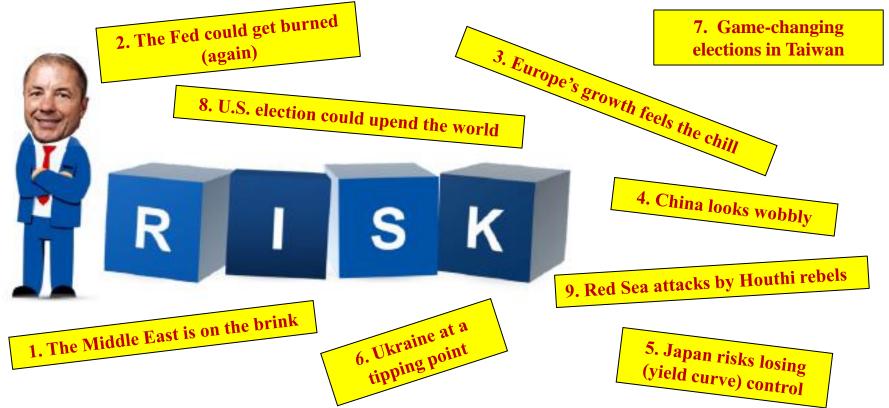


#### World growth shrinking to past low





#### A pessimist's guide to global economic risks in 2024





#### Our favorite gas station stop



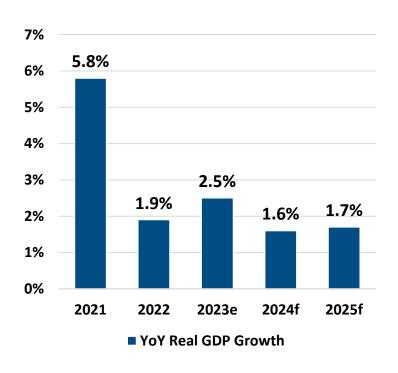


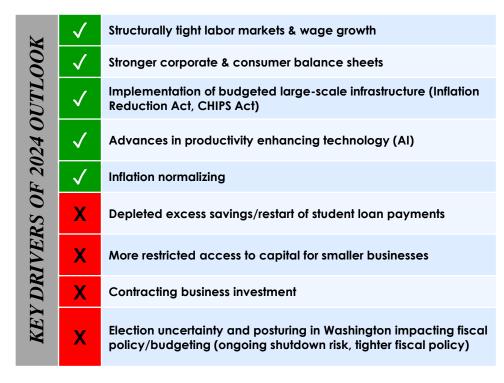






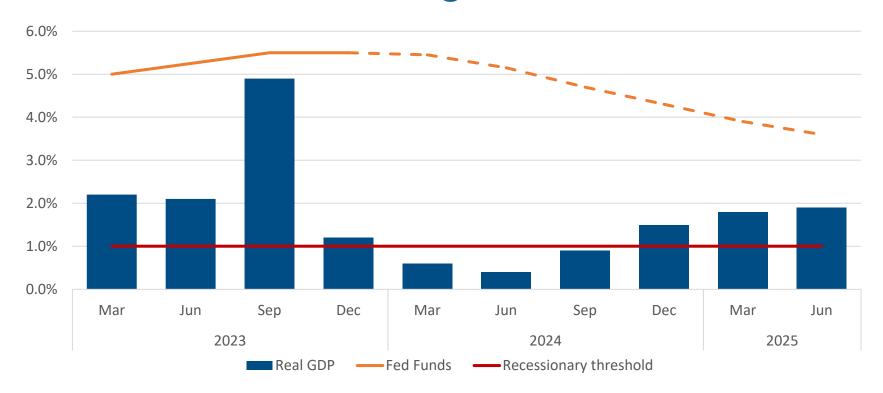
#### 2024 U.S. Growth Outlook







#### Continued economic growth or recession?





#### Past recessions and severity

Time Period	Duration	Change in GDP	Peak Unemployment Rate	
August 1929-March 1933	3 years, 7 months	-26.3%	24.9%	
December 2007-June 2009	1 year, 6 months	-4.0%	9.5%	
November 1973-March 1975	1 year, 4 months	-3.1%	8.6%	
July 1981-November 1982	1 year, 4 months	-2.5%	10.8%	
May 1937-June 1938	1 year, 1 month	-3.3%	19.0%	
November 1948-October 1949	11 months	-1.5%	7.9%	
December 1969-November 1970	11 months	-0.2%	5.9%	
July 1953-May 1954	10 months	-2.4%	5.9%	
April 1960-February 1961	10 months	-0.1%	6.9%	
January-December 2024	?	TBD	TBD	
March 2020- April 2020	2 months	-31.2%	14.7%	

Six Causes: 1. Industry, 2. Inflation, 3. Oil, 4. Financial, 5. Fiscal, and 6. External Force



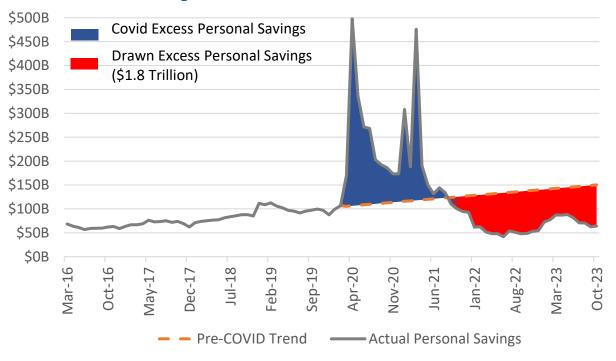
#### 61 Percent of Americans better have a Plan B







## This year will mark the end of the free-lunch economy



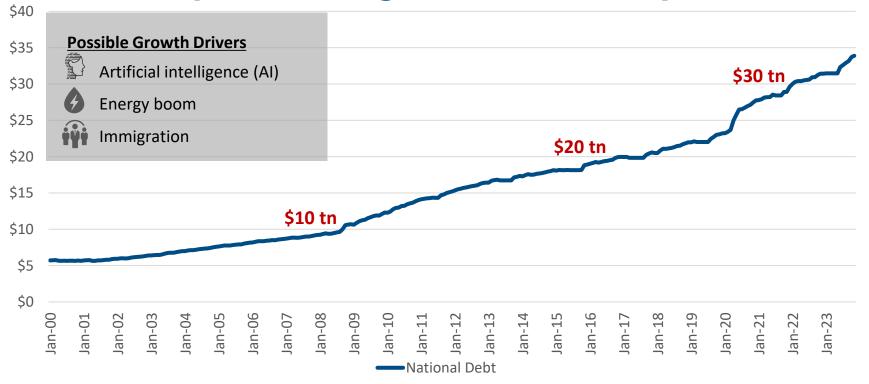
#### \$350 Billion

Estimated remaining excess savings in October 2023

(most likely concentrated in highincome households)

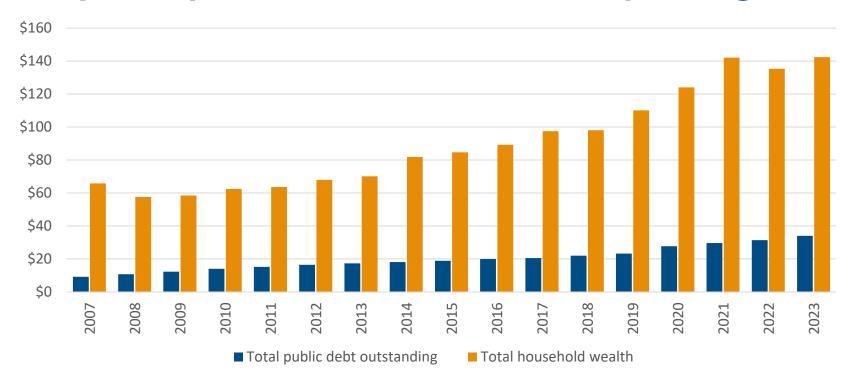


#### Better to pivot and grow the country out of debt!





#### Why worry? – the U.S. "exorbitant privilege"



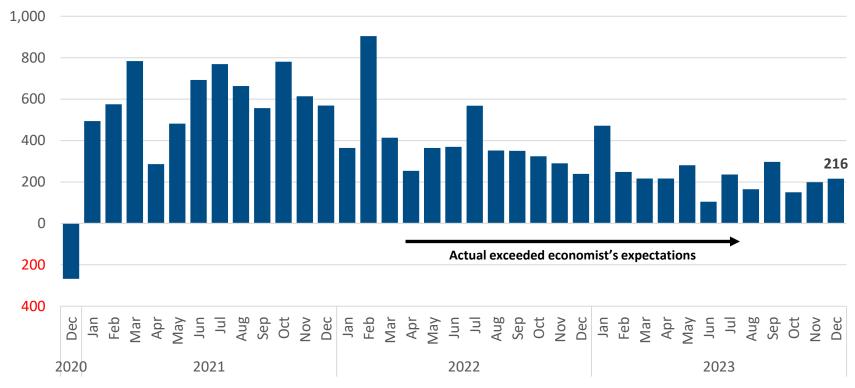


## The four key elements comprising an economic mix, plus one more...



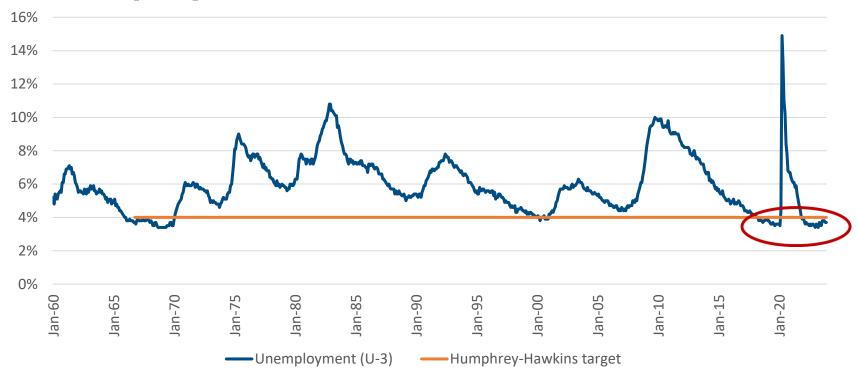


#### #1: Payrolls: a continued pillar of strength



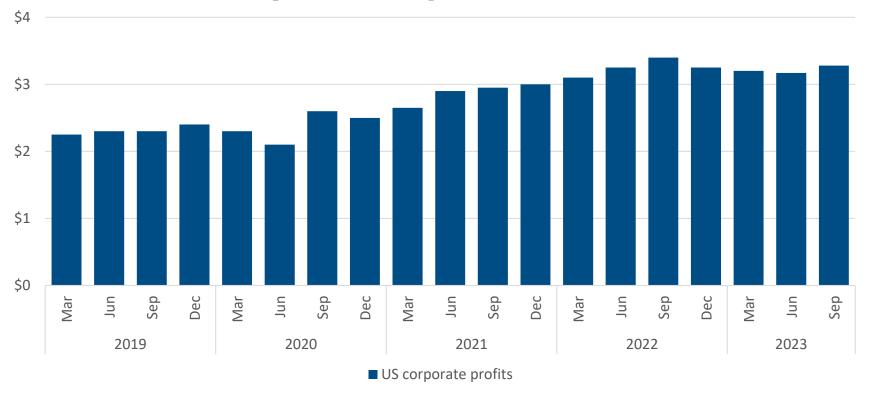


#### Unemployment has remained below 4.0%





#### #2: Profitability: on a upward trend



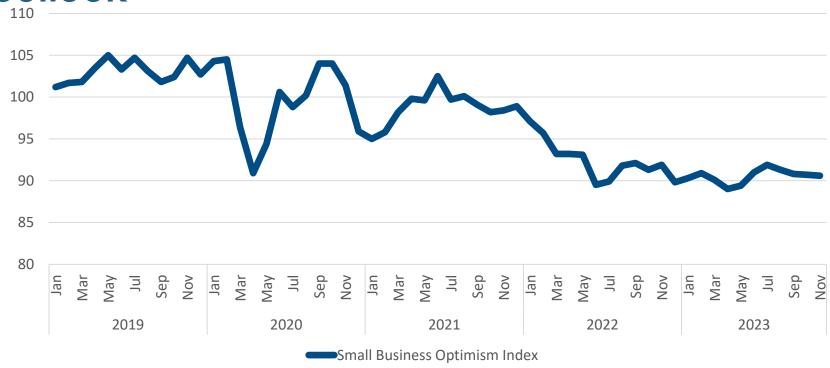


#### Costco's "forever" commitment!



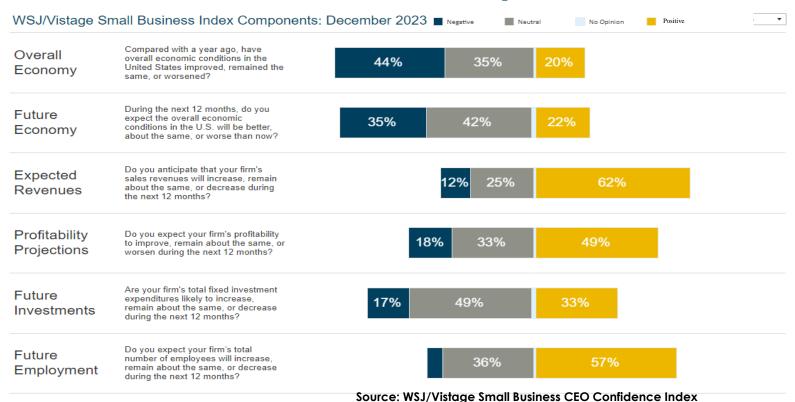


### Small business owners have a more pessimistic outlook



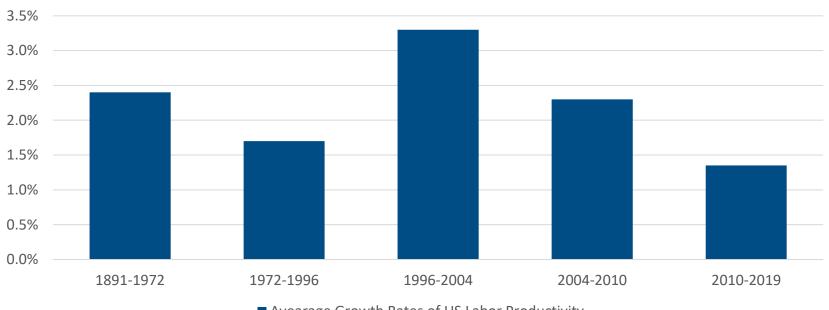


#### **Small Business Outlook Survey**





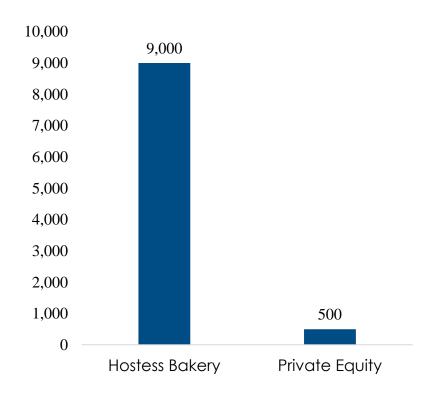
#### #3: Recent productivity gains have been lacking







#### Productivity is hard to measure: think Twinkie!

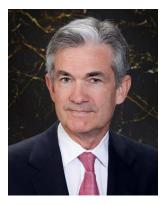


130 calories and 14.5 grams of sugar compared to a Coke that has 140 calories and 39.0 grams of sugar.





#### #4: P for "Powell", the current Fed Chairman



#### • Jerome H. Powell: February 2018

- Law Degree, Georgetown
- Salomon Brothers, investment banker
- Carlyle Group, partner
- Severn Capital Partners, founder
- Federal Reserve chair nominee
- Nominated by President Trump (R)
- 2017 New Worth \$112.3m (estimate)



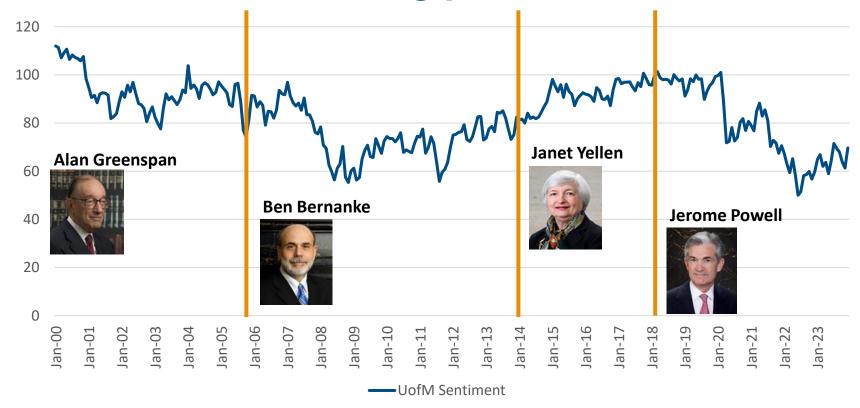
- Governing style is expected to be a continuation of previous Fed chair, Janet Yellen whose hallmark was caution and watching data; Powell trusts evidence as much as economic models
- Tax cuts, infrastructure spending, and budget deficits expected to be challenges for Powell
- Expected to have to fight to maintain independence from White House



 History suggests that in Powell's four years he will face a recession



#### Powell: re-establishing public confidence





#### #5: Politics: presidential election year

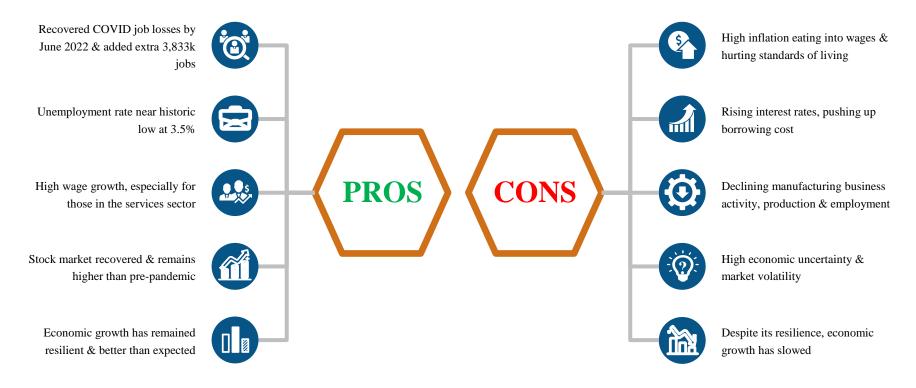


versus





#### Biden's economic performance









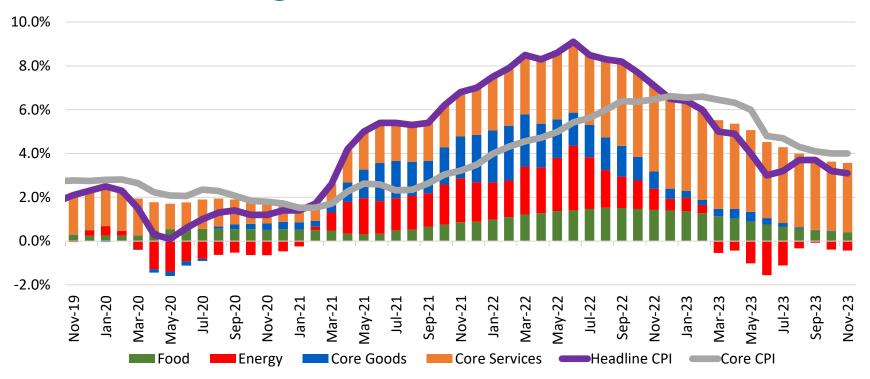
#### Simple guidelines to keep in mind

- Fed controls just one, and only one, interest rate.
- In the past 11 Fed rate-hiking cycles, recessions have typically started about two year after the central bank begins raising interest rates.
- Fed rate hikes take 12-24 months to fully work themselves through the economy.
- High treasury yields are the exception, not the norm.
- Long-term rates follow short-term rates with a lag.
- Long-term rate adjustment is not one-for-one with short-term rates.
- Borrow the cheapest money you can for as long as you can.





#### Inflation resurgence or continued decline?





#### Put simply – American's hate inflation

#### **People's inflation**

1. Can't afford to buy a home?

2. Using credit card debt to buy groceries?

3. Paying out of pocket for prescription drugs?

Inflation Is Making Americans Hate the US Economy Item Jan. 2020 Oct. 2023 **ORANGE JUTCE** 2.32 3.67 12-PACK SODA 4.33 6.77 COFFEE 4.17 6.18 WHITE BREAD 1.35 2.00 1.46 EGGS 2.07 YOGURT (32 OZ.) 6.28 CHICKEN BREAST (2 LBS.) 6.12 8.44 GROUND BEEF (1 LB.) 5.23 UNCOOKED RICE (1 BOX) 1.43 1.92 ROMAINE LETTICE 2 72 LARGE POTATOES (4) 3.21 4.02 3.25 RITTER 4.55 BANANA BUNCH (2 LBS.) 1.14 1.25 TOMATOES 2.22 1.87 TOTAL 45.34 69.98 \*\*\*\*\*\*\* That's \$15.56 more!

Grocery prices for items, ordered by percentage increase since 2020. Illustration: Steph Davidson Source: Bureau of Labor Statistics



#### Will first Fed cut be sooner versus later?



Raising rates rapidly to catch-up



Raising rates at a slower pace





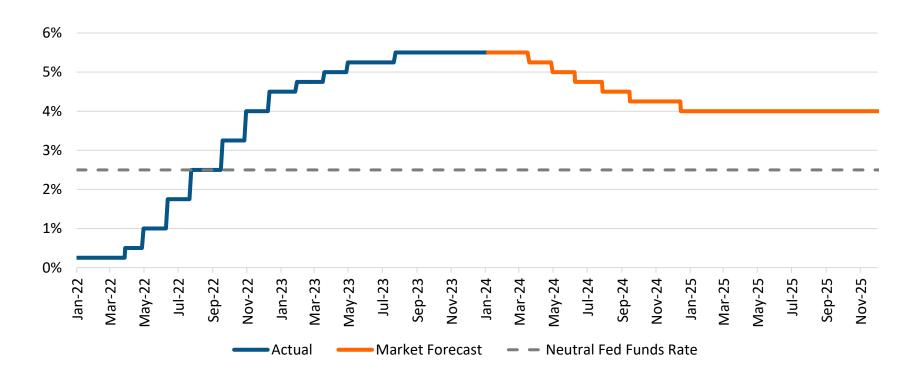
Still Here! Holding rates at a given high level



First rate cut and the pace thereafter

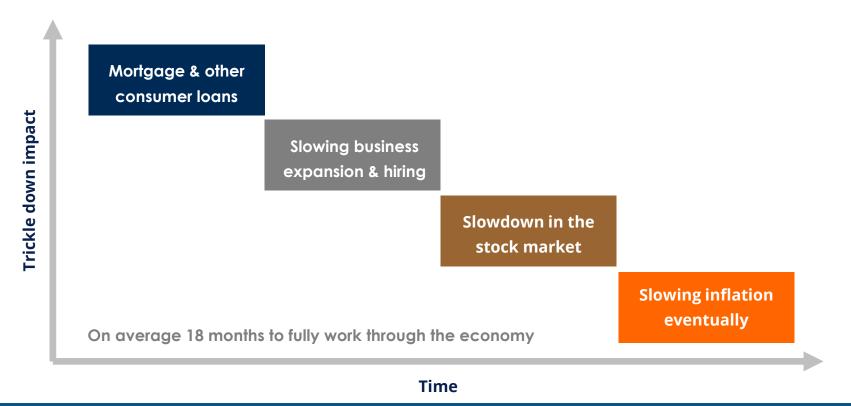


#### Markets see rate cuts starting in Q1 24





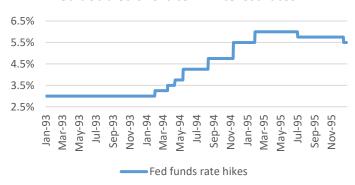
#### Monetary policy works with long & variable lags





#### Alan Greenspan's soft landing in 1994 - 1995

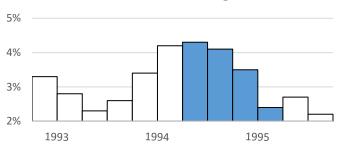




... and caused inflation to fall ...



... which slowed U.S. growth



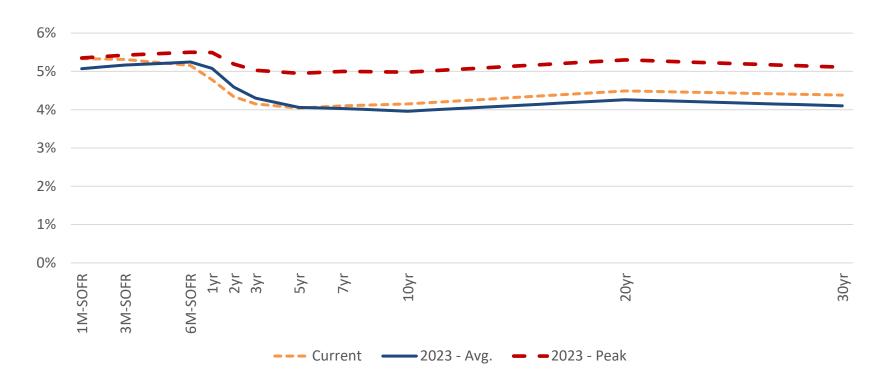
Change in inflation-

... while unemployment leveled off





#### Term interest rates have trended back down



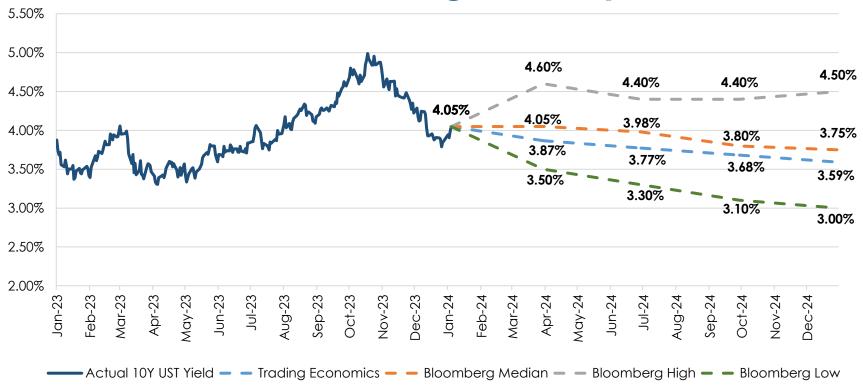


#### Markets during Fed easing cycles

Date of Last Rate Hike	Time Between Last Rate Hike & First Rate Cut	Total Rate Cuts in 12 months After Last Rate Hike	Total Rate Cuts Over Entire Easing Cycle	10-year UST	S&P 500
1981	5 months	200 bps	550 bps	+47 bps	(-16%)
1984	6 months	199 bps	350 bps	(-154 bps)	+10%
1989	3 months	150 bps	675 bps	(-84 bps)	+13%
1995	5 months	75 bps	75 bps	(-206 bps)	+36%
1997	18 months	0 bps	75 bps	(-113 bps)	+40%
2000	8 months	250 bps	550 bps	(-98 bps)	(-12%)
2006	15 months	0 bps	500 bps	(-17 bps)	+18%
2018	7 months	75 bps	225 bps	(-83 bps)	+28%
Median	7 months	97 bps	425 bps	(-91 bps)	+16%

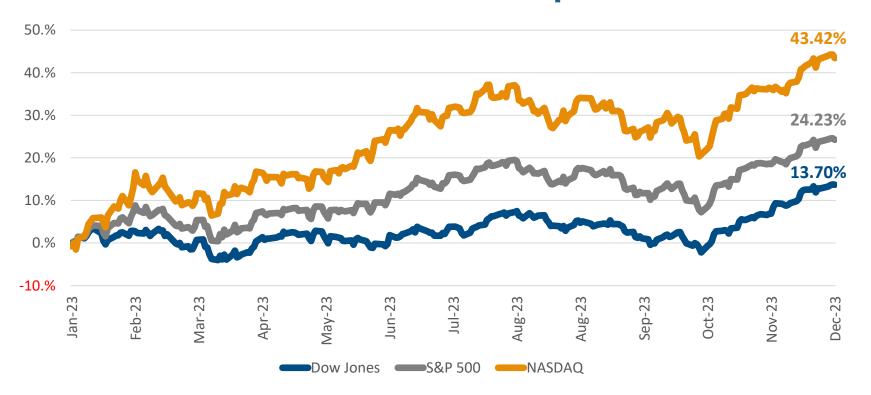


#### Don't bother forecasting the 10-year UST!





#### With no recession, stocks leap into 2024





#### Not the movie – these companies...



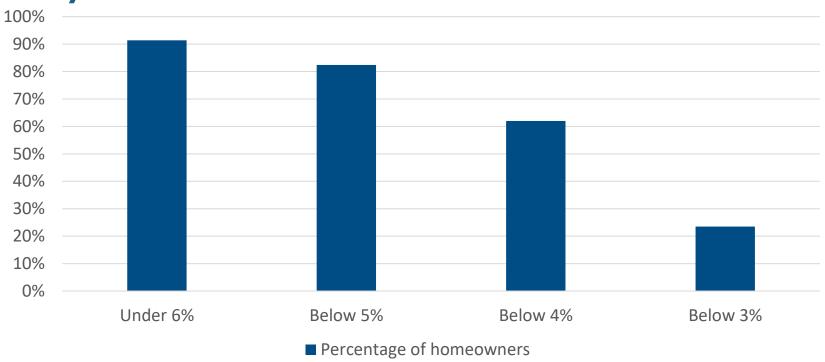
- Microsoft MSFT
- Apple AAPL
- Nvidia NVDA
- Amazon AMZN
- Meta META
- Tesla TSLA
- Alphabet GOOGL

63.4%



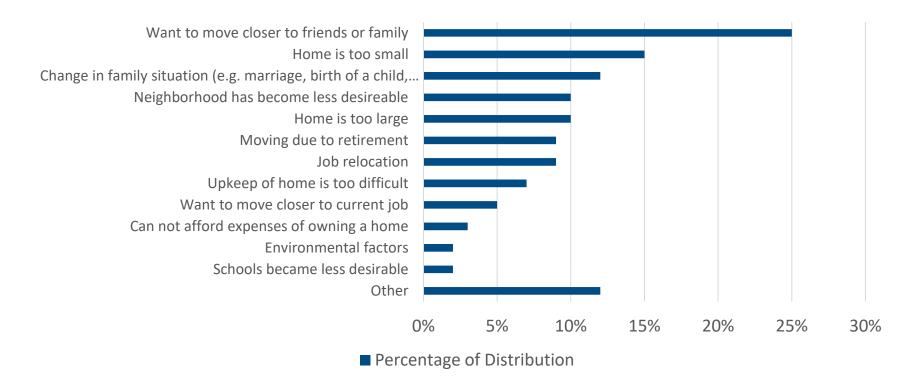
#### MORTGAGE IMPOSSIBLE: no room for first-time

buyers





#### Family and relationships trump all else!





#### The price you pay for a career in finance!



Start (7/3/1984): Clueless



Halfway (19yrs): Contemplating



Near the End (39yrs): Beat Down





## Created and Owned by America's Electric Cooperative Network