



## **March Market Update**

Cameron Dawson, CFA

Chief Investment Officer

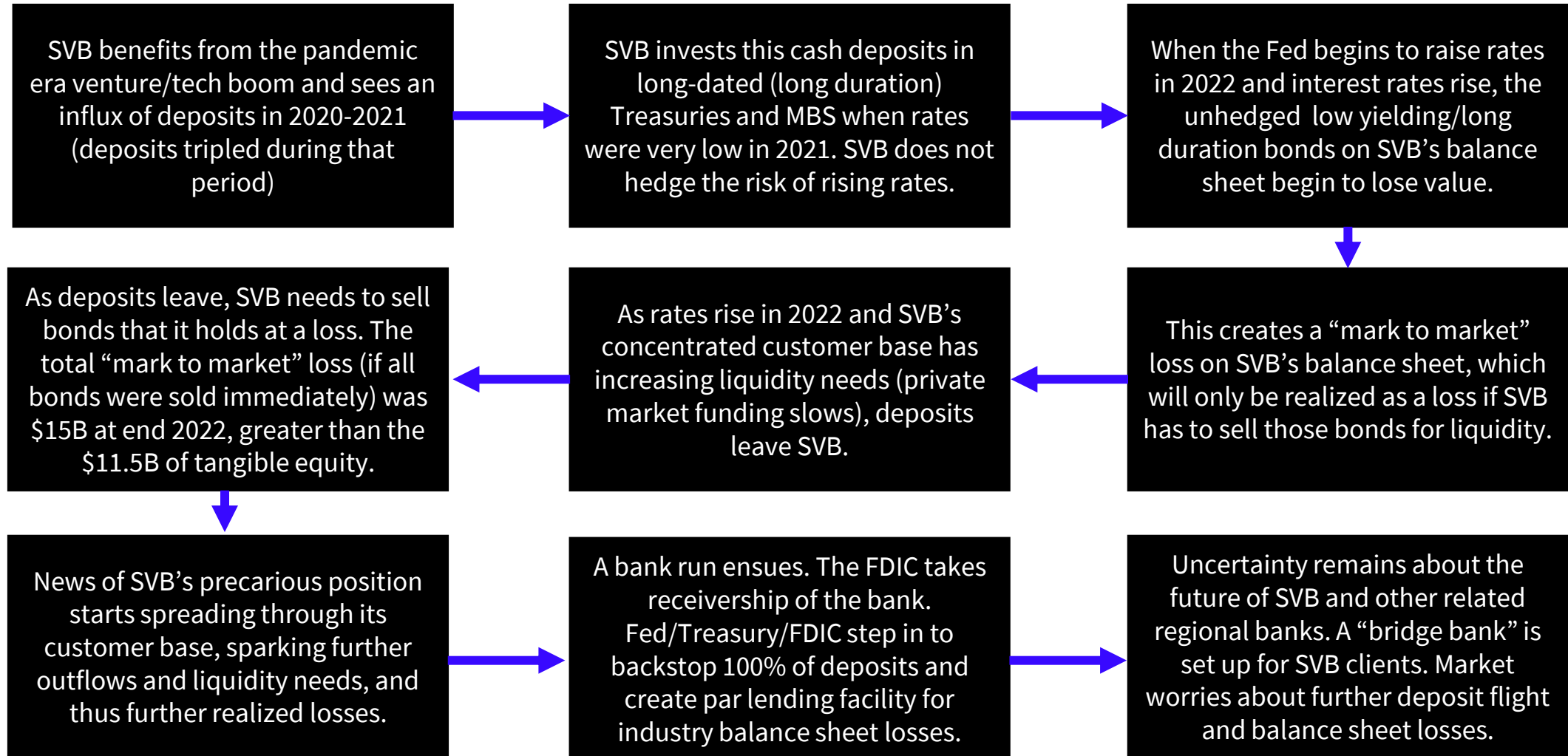
March 15, 2023

---

**Well, that escalated quickly...**

SVB's Collapse and the Fallout

# What Happened at SVB?



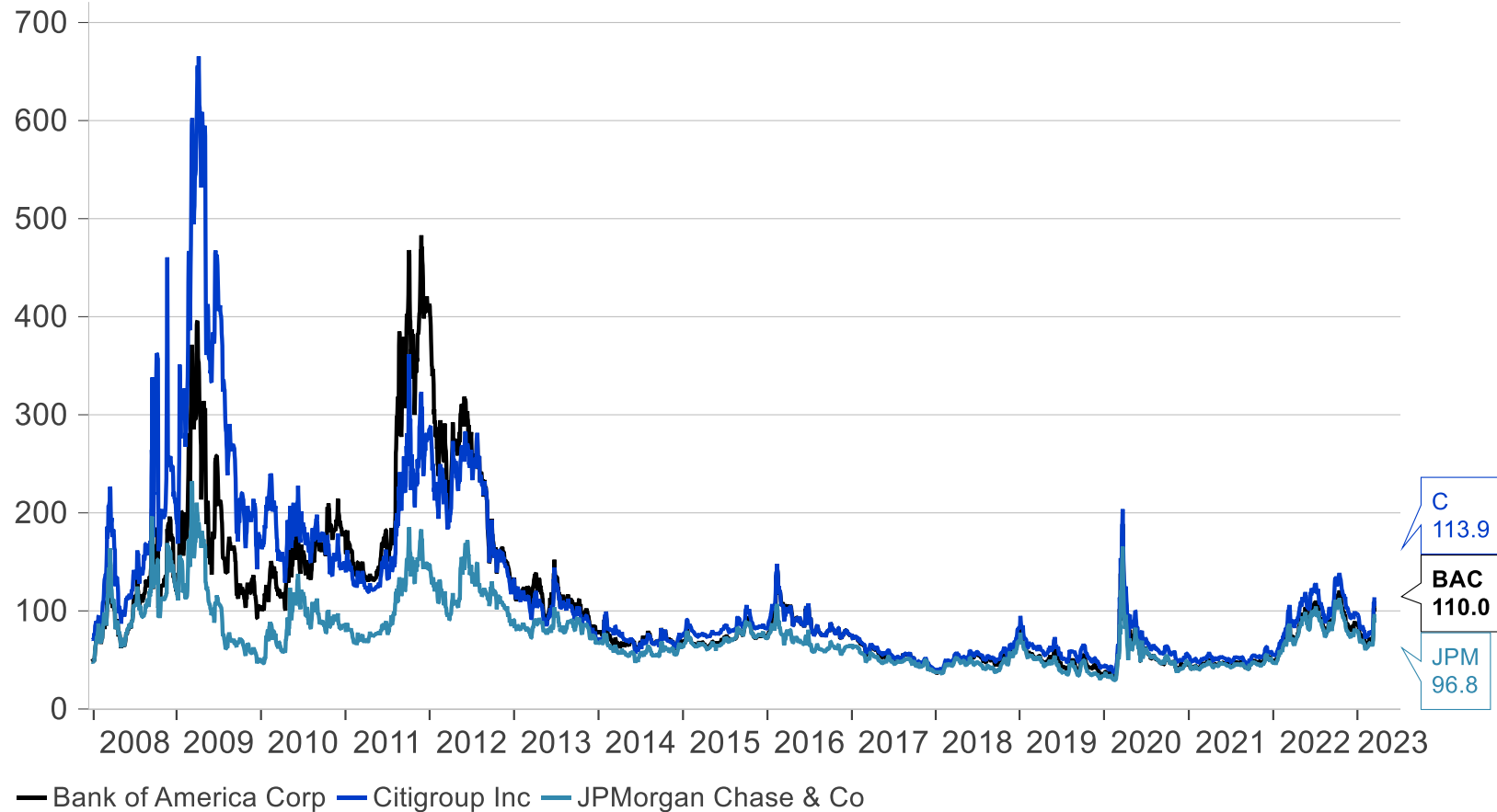
---

# Key Observations About SVB

- **SVB had particularly vulnerable and weak underlying fundamentals**
  - SVB's concentrated and (apparently) flighty customer base and very poorly positioned balance sheet (unhedged, long duration, low yielding debt held at a loss)
- **This is different than 2008**
  - This was more of a liquidity issue than a credit issue (SVB's losses were in Treasury bonds, which the Fed is now lending against at par vs. 2008's losses from highly levered/ "fake AAA" CMBS)
  - Large banks are much more regulated now, with much stronger balance sheets
- **But that doesn't mean there are not stresses for banks to watch**
  - Further deposit flight to higher yields and/or different institutions, still with mark-to-market loss on balance sheets, loan growth slowing, potential loan performance issues (look at commercial real estate)
- **The Fed's response is likely sufficient to ring fence the SVB issue, but if further stress emerges, more support will be needed**
  - 100% backstop of deposits reduces further run risk at other banks; lending window to provide liquidity against bonds at par reduces the mark-to-market issue

# The Fallout: Large Bank CDS Widening

## Large Bank Credit Default Swaps Widen, But Well Below GFC



Source: NewEdge Wealth, Macrobond, Bloomberg

Credit Default Swaps (CDS, cost to insure against default) have jumped post SVB for large banks.

Note CDS remain below their October 2022 peaks and well below the Great Financial Crisis highs (when large banks were far more precarious with weak balance sheets, credit issues, excessive leverage, etc.)

As of 3/15/22

# The Fallout: Watch Commercial Bank Loan Growth

## Total Commercial Bank Loans

USD, trillion



— United States, Balance Sheet & Flows of MFI Sector, Commer...

Source: NewEdge Wealth, Macrobond, Bloomberg Federal Reserve

## Total Commercial Bank Loan Growth YoY %



— United States, Balance Sheet & Flows of MFI Sector, Commer...

Source: NewEdge Wealth, Macrobond, Bloomberg Federal Reserve

As of February 2023

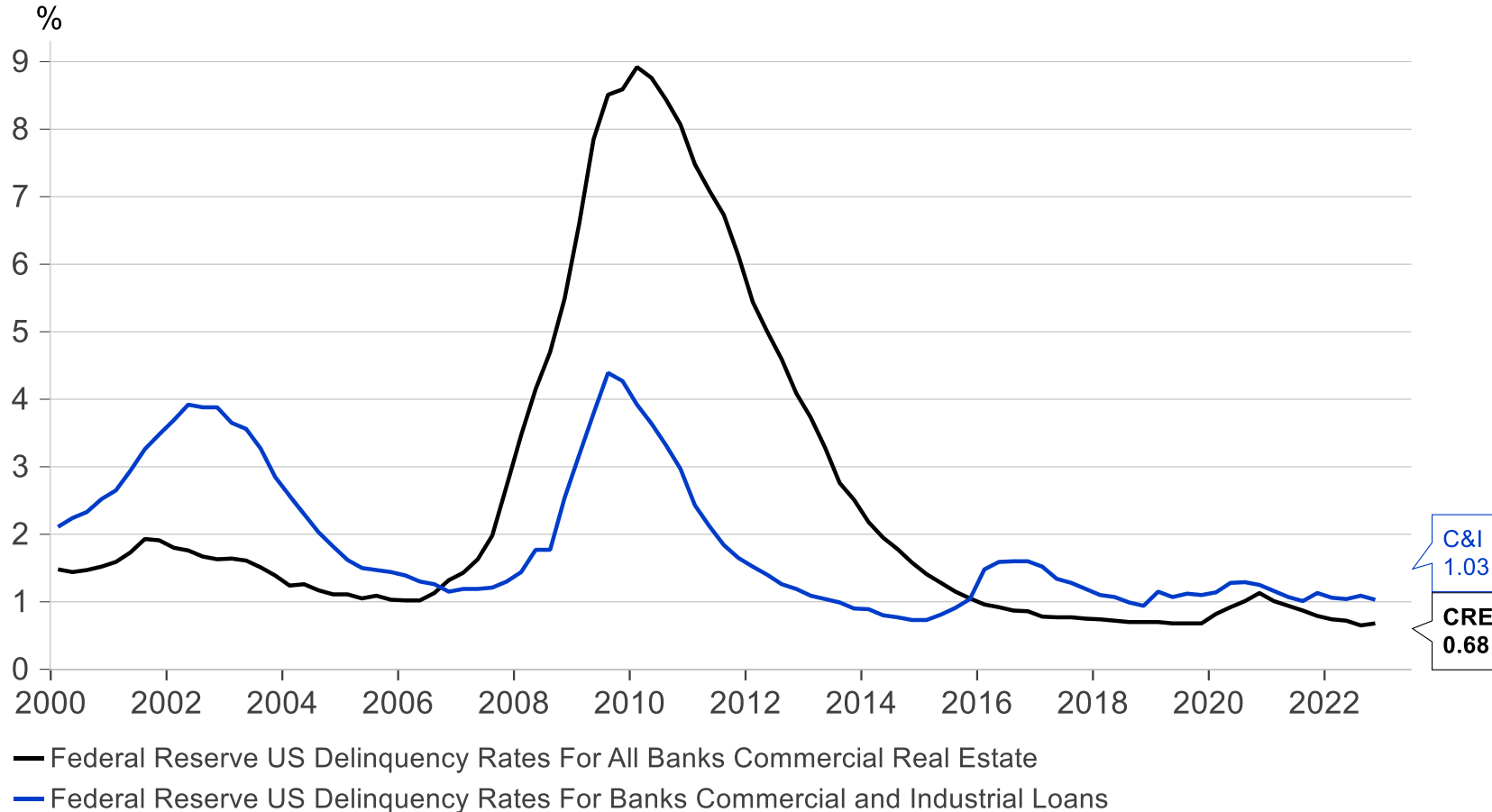
In response to the SVB events, will we see banks pull back on lending, which would have a chilling effect on economic growth?

It is important to note that loan growth and balances remained robust in 2022, despite higher rates.

This is typical during tightening cycles- loan growth and volumes typically lag rate hikes and are more sensitive economic growth and its underlying drivers like employment and corporate profits.

# Business Loan Delinquencies Remain Low (but lag tightening cycles)

## Delinquency Rates for Commercial Real Estate and Commercial & Industrial



Source: NewEdge Wealth, Macrobond, Bloomberg

As of 4Q22

Despite fears of weakness in businesses given higher rates, as of 4Q22 we have yet to see a meaningful uptick in delinquencies.

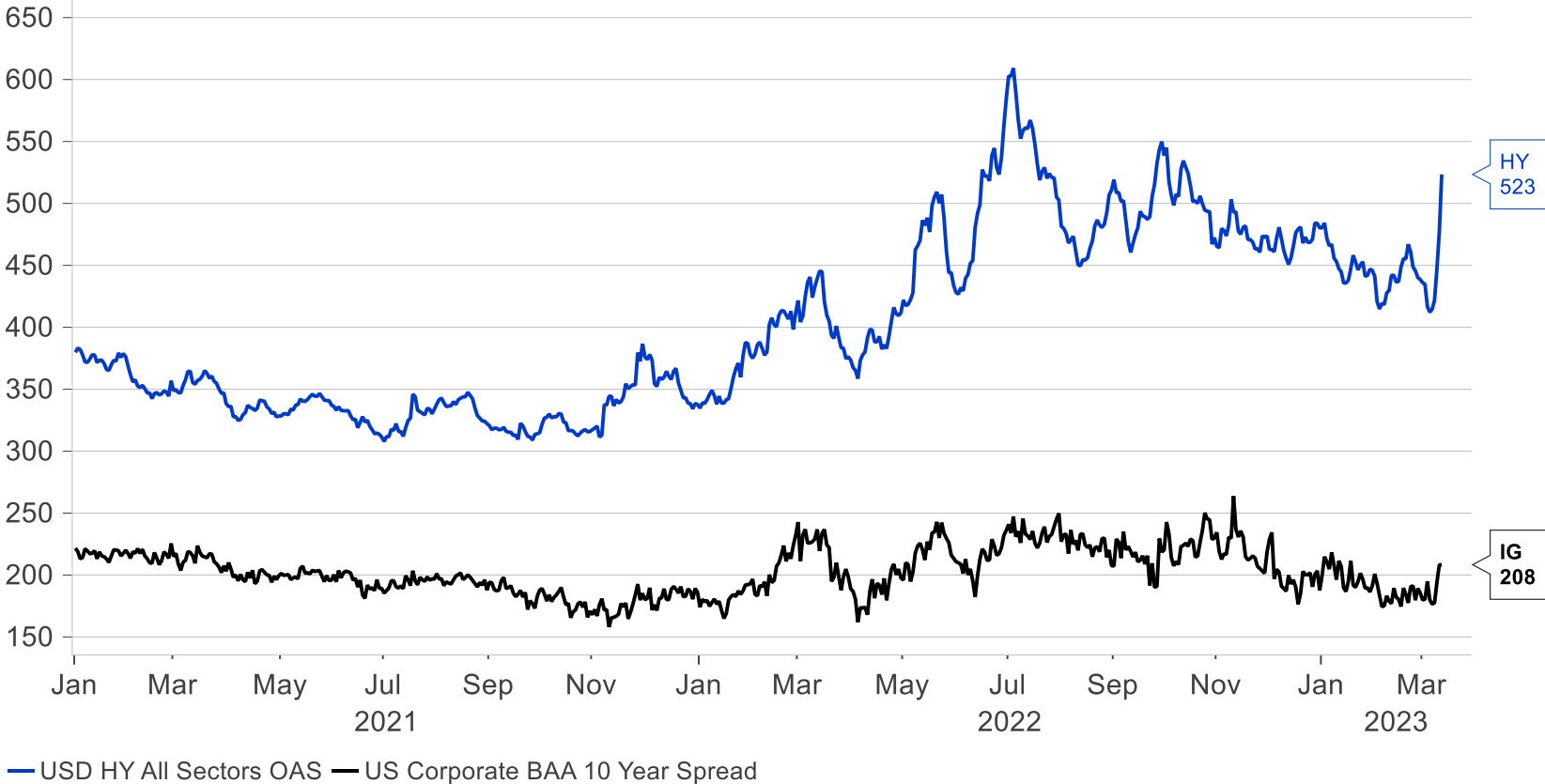
We will watch this closely for signs of stress, but note that delinquencies tend to be a lagging indicator.

We are seeing an uptick in bankruptcy filings, with the most bankruptcies filed YTD since 2009.

# Credit Spreads Are Widening

## Credit Spreads Pop in Response to Financial Volatility

High Yield and Investment Grade (Baa) Credit Spreads



After being incredibly subdued in 2H22 and early 2023, despite recession fears, credit spreads have now moved higher for both high yield and investment grade in response to SVB.

Both remain well below prior peaks of financial stress (2008, 2016, 2018, 2020).

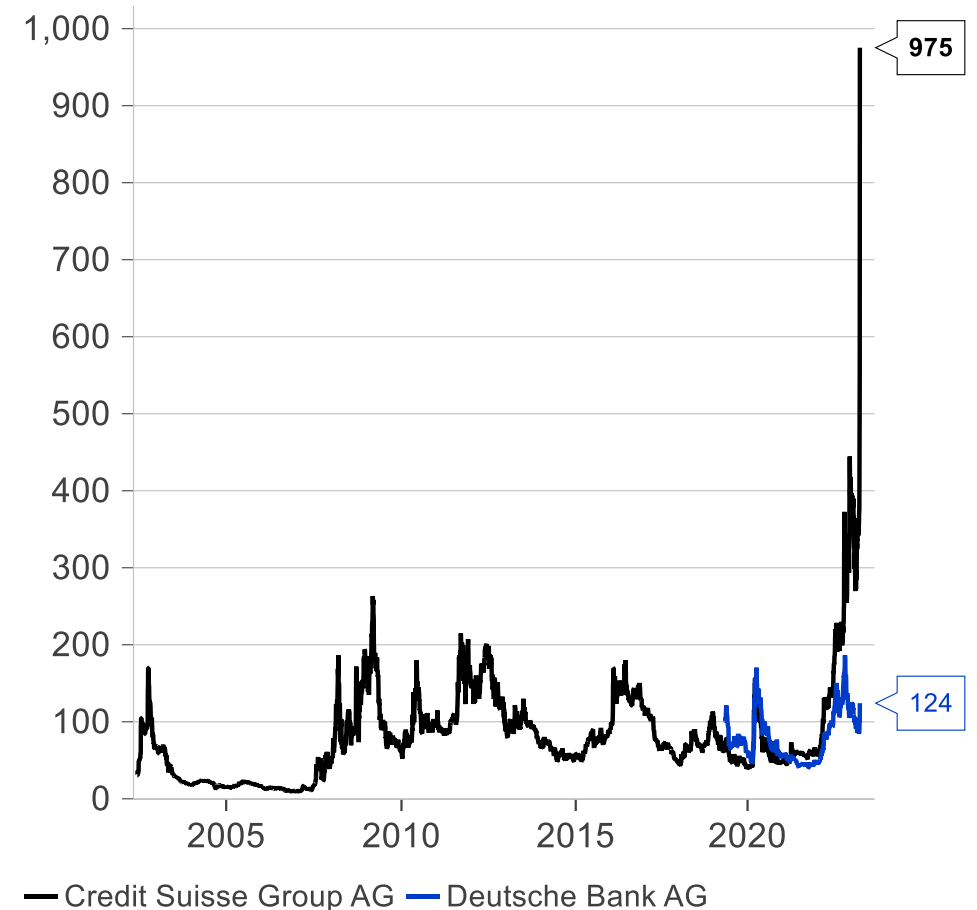
Source: NewEdge Wealth, Macrobond, Bloomberg  
As of 2/17/23



# What About Credit Suisse Now?

- After announcing a need to restate earnings and a large shareholder saying they would not provide incremental capital, Credit Suisse came under renewed pressure, with the bank's Credit Default Swaps (CDS) jumping to new all-time highs (reflecting the high cost to insure against a default of CS debt)
- Other European banks sold off in risk-off sympathy
- The ECB meets tomorrow and was expected to raise rates 50 bps; their response to this stress will set an important precedent for how the central bank will balance financial stability vs. price stability
- Analysts argue that CS's liquidity position is sufficient to meet demands for deposit outflows for now, but we will have to watch if this deteriorates and necessitates intervention by the Swiss National Bank (which is already meeting to discuss options to stabilize)

## Credit Suisse Group & Deutsche Bank CDS



Source: NewEdge Wealth, Macrobond, Bloomberg

---

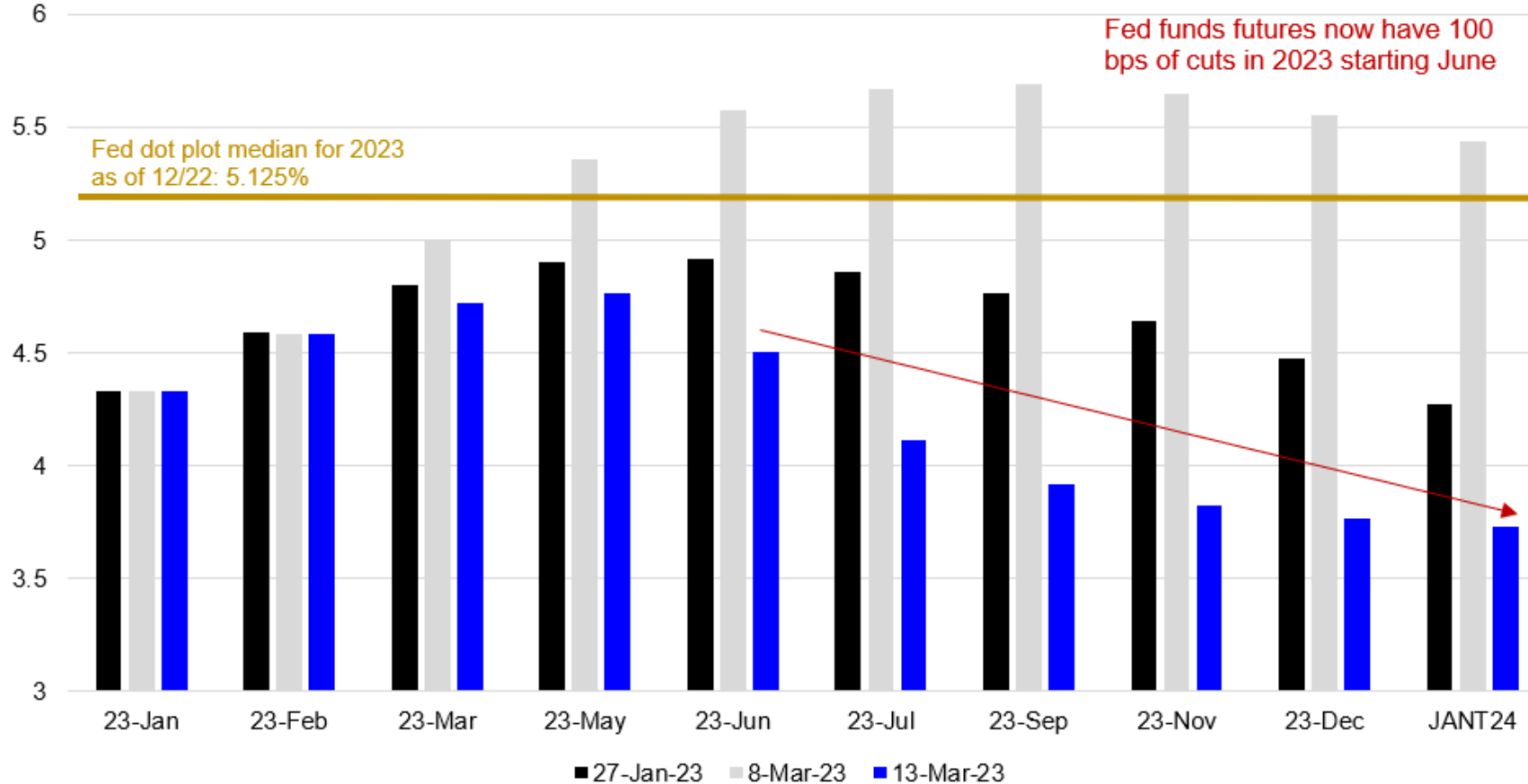
# Volt-face:

An about face for the bond market and expectations for the Fed

# The Market Expects the Fed to Pivot (again)

## Two Incredible Repricings in 1.5 Months

Bloomberg Fed Fund Futures Pricing (WIRP)



Source: Bloomberg, NewEdge Wealth, as of 3/13/23

After pricing out cuts in response to strong economic data in February and early March, the Fed Funds futures market rapidly priced in a very different policy path in response to the SVB collapse.

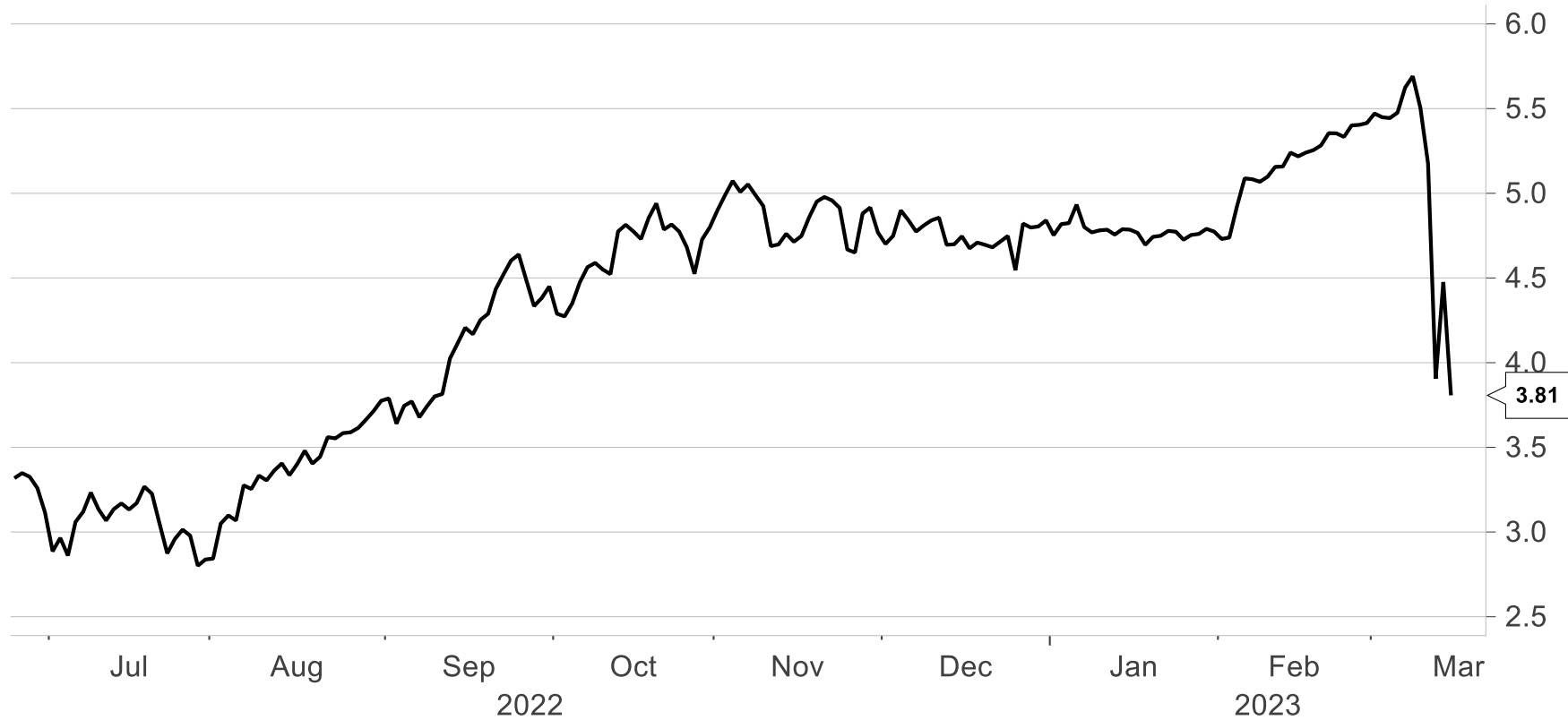
As of March 13, the market now expects the Fed to reach a terminal rate of <5% and to begin cutting rates in June 2023, with a total of 100 bps of cuts through the remainder of the year.

The market expects the Fed to prioritize financial stability over inflation fighting (assuming inflation does not fall rapidly soon).

# A Stunning Unwind for Rate Hike Bets

## Fed Funds Futures for September 2023

WIRP SEP23



Source: NewEdge Wealth, Macrobond, Bloomberg  
As of 3/15/23

Over the course of less than a week, the market has gone from expecting a 5.6% Fed Funds rate in September 2023, to just 3.8% (reflecting the expectations for rate cuts starting soon).

This implies that the market expects a combination of inflation slowing rapidly, growth slowing rapidly, and further financial market distress; all to justify the Fed pivoting to a more accommodative policy stance.

# 2-Year: Unprecedented Drop

## U.S. 2-Year Treasury Yield



The three days following the SVB fallout, 2-Year yields plummeted at the fastest pace since the 1987 market crash.

Falling 2-Year yields reflect expectations for lower Fed policy rates in the future.

Sharp movements lower in the 2-Year have often occurred during periods of pronounced market weakness in anticipation of economic disruption (the bond market begins to price in a rapid cutting cycle by the Fed to respond to a weak economy or financial market issue).

# 10 Year: Flight to Safety, Plus Lower Growth/Inflation

## U.S. 10 Year Treasury Yield

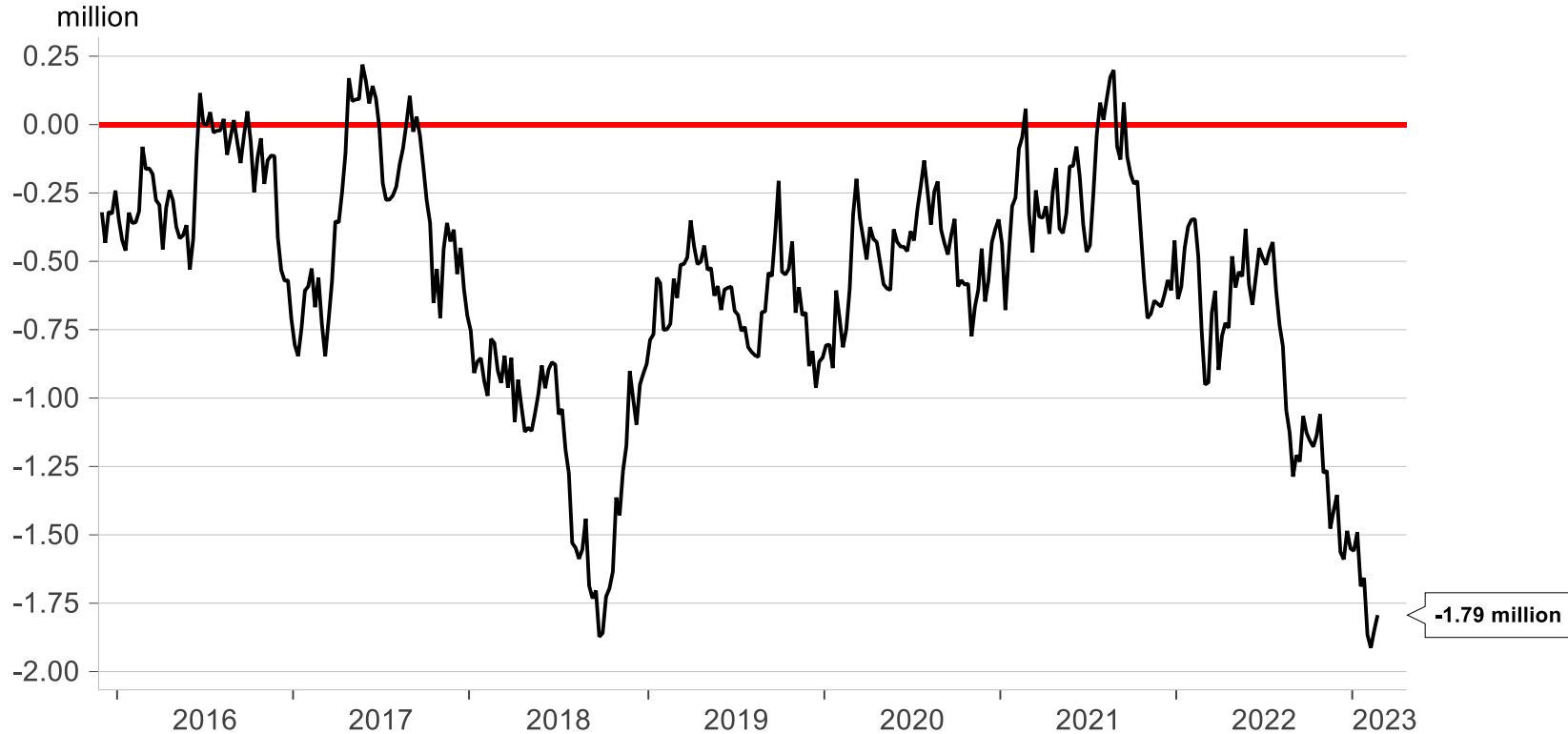


10-Year yields are falling as well in a flight to safety (long bonds have typically performed well during weak economic and market periods; except for 2022!).

Lower yields also reflect lower inflation and growth expectations for out years.

# Positioning is Amplifying This Rate Move

## CFTC Net Futures Positioning, Sum of 2-Year, 5-Year, and 10-Year Treasuries



— Bloomberg CFTC CBT 10-Yr US Treasury Notes Net Non-Commercial Futures Positions+Bloomberg CFTC CBT 2-Yr US Treasury...

Source: NewEdge Wealth, Macrobond, Bloomberg

Using CFTC data (which is not a complete picture of total market positioning), traders appear to be very short Treasuries across the curve. This means that traders are positioned for yields to keep rising and bond prices to keep falling.

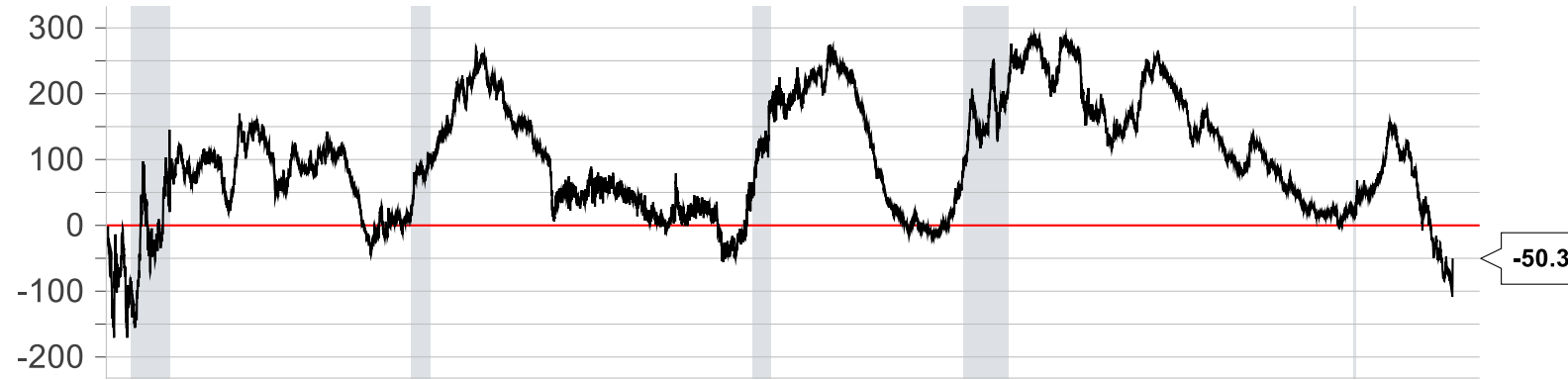
The movement lower in yields/higher in prices, is likely causing shorts to be covered, which is adding to the magnitude of the downside move in rates.

As of 3/15/23

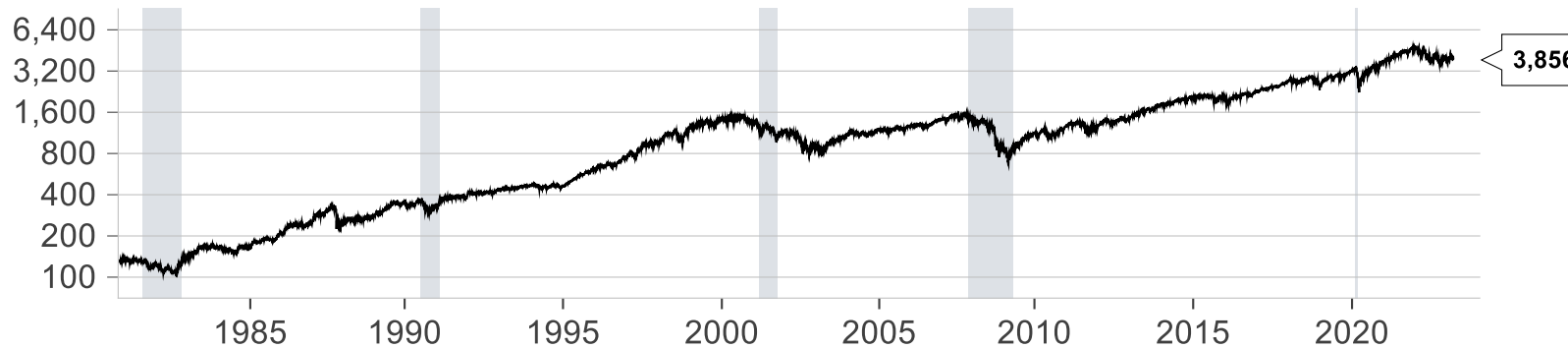
# It's Not the Inversion, It's the Re-Steepening That Gets You

## Re-Steepening of the Yield Curve Occurs Before Recessions Begin and Risk Assets Bottom

US Treasury 2s10s Curve (NBER Recessions Shaded)



S&P 500 (NBER Recessions Shaded)



Source: NewEdge Wealth, Macrobond, Bloomberg  
As of 2/17/23

As mentioned with the 2-year, a sharp drop in short-term yields signals an imminent recession and rate cuts.

This is why a re-steepening of the yield curve (when short-term yields start to drop faster than long-term yields, called a bull steepener) is a much better signal for the timing of a recession than the inversion of the curve itself.

Note that the re-steepening has typically begin before or in the early days of a recession, while risk assets have not bottomed until the re-steepening is well underway.



---

# Serving Two Masters:

Does the Fed Prioritize Financial Stability or Price Stability?

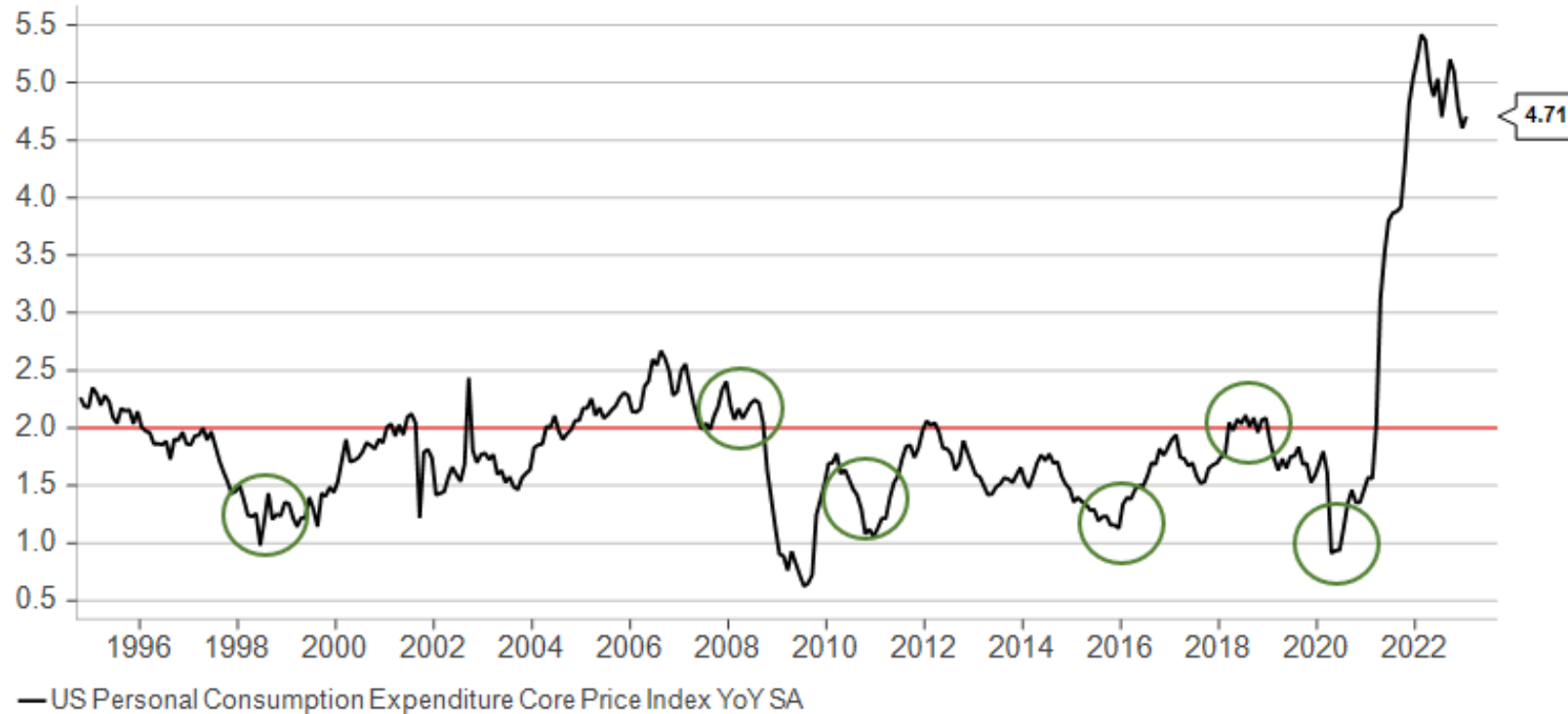
No one can serve two masters. Either you will hate the one and love the other, or you will be devoted to the one and despise the other.

Matthew 6:24

# Which Master is Served: Price Stability or Market Stability?

## Fed Pivots Since 1998 Had Benign Inflation Backdrop

Core PCE Inflation YoY (%), with Fed's 2% Target & Pivots Circled



Source: NewEdge Wealth, Macrobond, Bloomberg

As of 3/15/23

Every time the Fed pivoted to become more accommodative since 1998, inflation has been benign (at or below their 2% target).

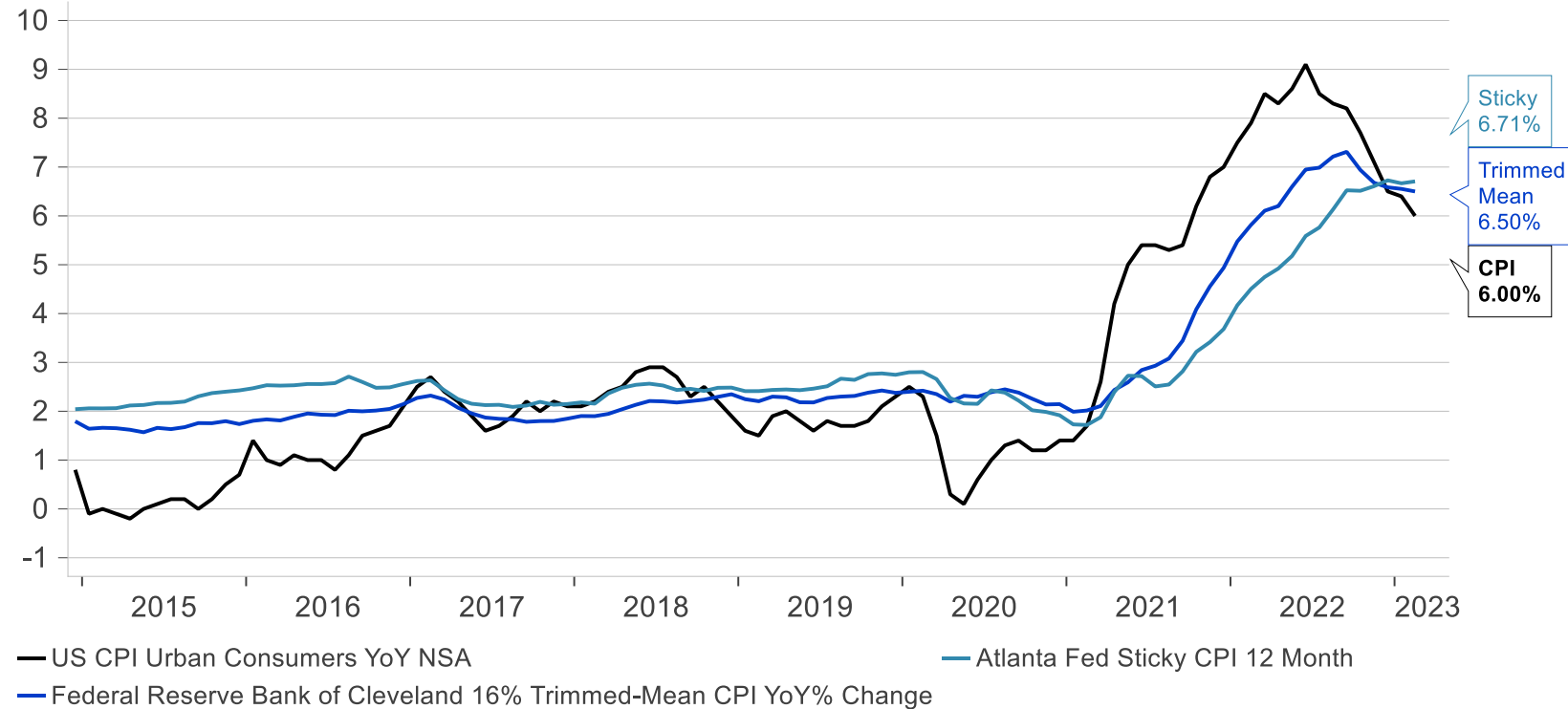
This allowed the Fed to put market stability first because it was not in an active fight against inflation.

But now that we have elevated inflation, how will the Fed handle this trade-off between fighting inflation to support price stability (but risk hurting market stability) and supporting market stability (but risk exacerbating inflation/price stability issues).

# Is Inflation Still a Problem?

## Inflation Peaked but Broad and Sticky Inflation Keeps Fed in the Fight

Headline CPI YoY%, Trimmed-Mean CPI YoY%, and Atlanta Fed Sticky CPI YoY%



Source: NewEdge Wealth, Macrobond, Bloomberg

As of 3/15/23

Inflation has peaked, but inflation remains broad and sticky, with both Trimmed Mean Inflation and Sticky Inflation remaining well above the Fed's 2% target (and not falling as rapidly as the headline index).

# The Fed Doesn't Like to See This...

## Supercore CPI MoM Goes in the Wrong Direction

US Bloomberg BLS CPI Core Services Less Housing (Supercore) MoM



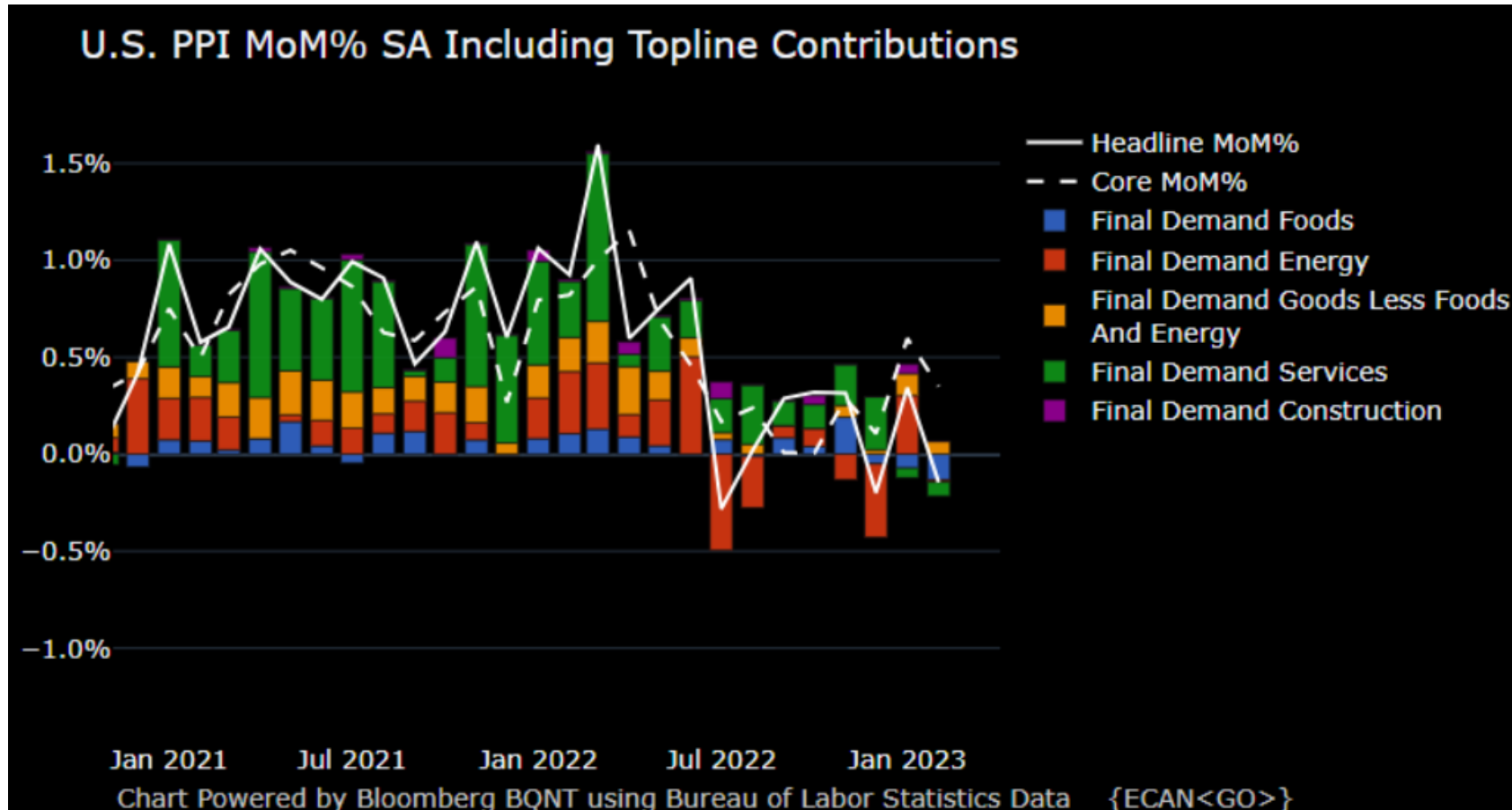
Source: NewEdge Wealth, Macrobond, Bloomberg

As of 3/15/23

The Fed's new favorite inflation metric, Supercore CPI (Core Services Ex-Housing), expanded at a faster pace in February than it did in January.

This is not what the Fed wants to see, and likely points to the continued pressure that higher wages are having on Services inflation outside of Housing (which has well known lags).

# A Sign of Relief From PPI on Wednesday



Month over Month Core Producer Price Index (PPI) fell -0.1% vs. an expected increase of +0.3%.

This lighter reading was largely driven by falling food prices (the great egg bubble is over!) but also saw low prices in Services as well.

As of 3/15/23

---

# I'm Still Standing:

Does Labor Market and Consumer Resilience Continue?

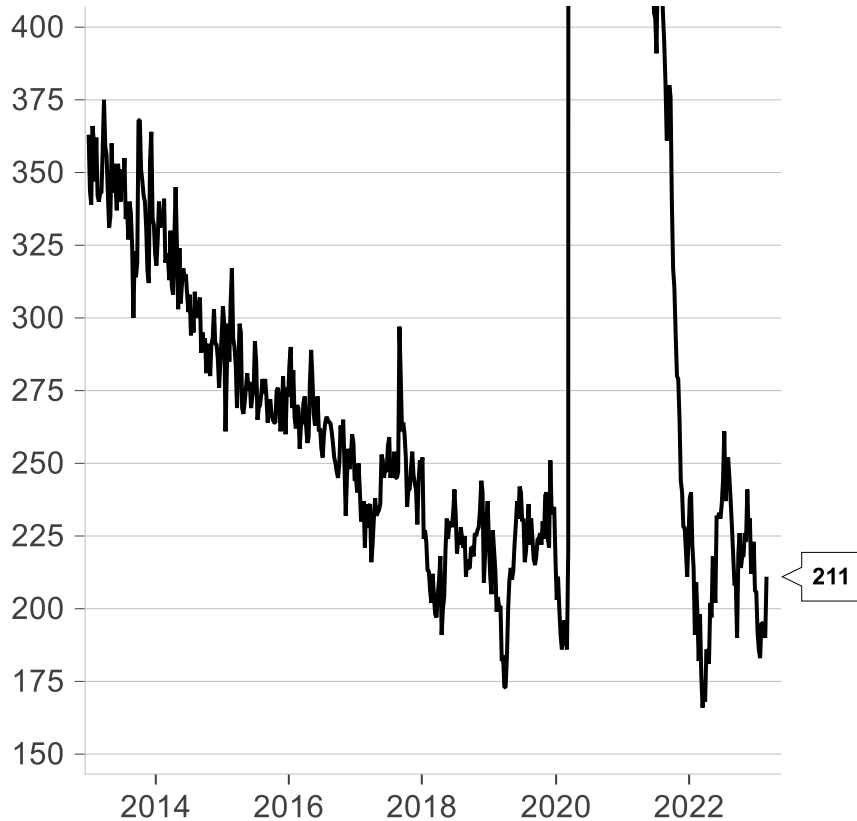
Don't you know I'm still standin' better than I ever  
did?

Lookin' like a true survivor, feelin' like a little kid  
And I'm still standin' after all this time  
Pickin' up the pieces of my life without you on my  
mind

- "I'm Still Standing", Elton John

# The Job Market is Still Tight

## US Initial Jobless Claims SA



Source: NewEdge Wealth, Macrobond, Bloomberg

## US Job Openings By Industry Total SA



Source: NewEdge Wealth, Macrobond, Bloomberg

Despite lay-off headlines, initial jobless claims remain subdued and near prior cycle lows (tight labor market in 2018 and 2019).

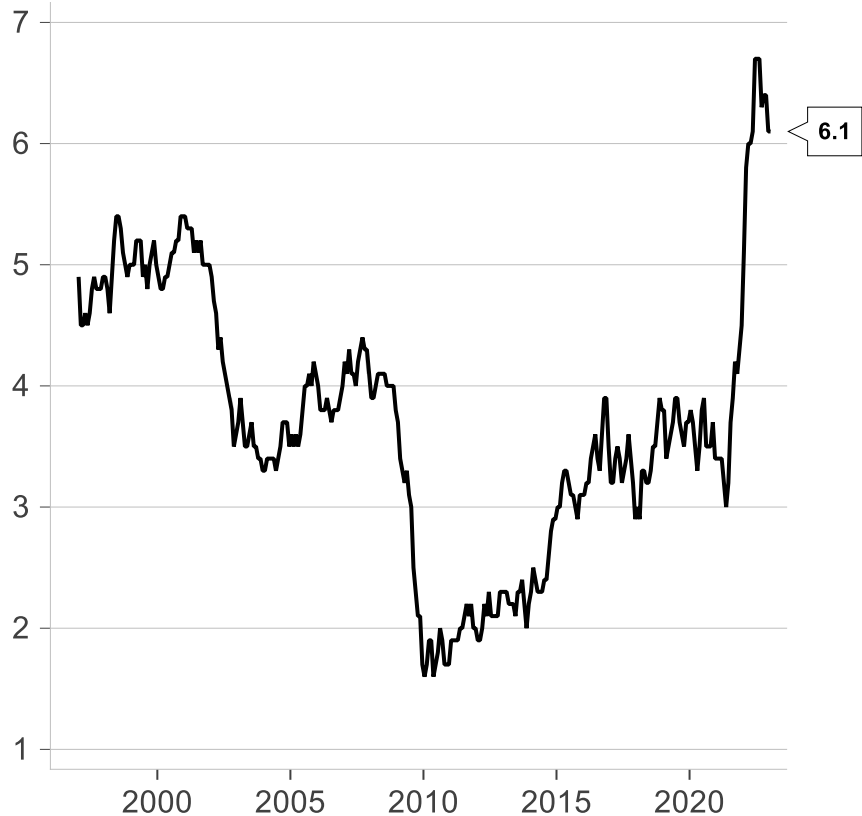
This resilience could be due to:

- 1) job openings remaining elevated (so laid off workers may be able to find new jobs quickly)
- 2) “labor hoarding” after so much trouble hiring in the past few years
- 3) Many of the announced lay-offs don’t get enacted until 2Q23 (this could mean that we start to see higher claims starting in April)

As of 3/15/23

# And Wage Growth is Still Strong (Though Slowing)

### Atlanta Fed Wage Growth Tracker Overall



Source: NewEdge Wealth, Macrobond, Bloomberg

### US Real Average Weekly Earnings (YoY %)



— US Real Average Weekly Earnings 1982-1984 USD YoY SA

Source: NewEdge Wealth, Macrobond, Bloomberg

Wage growth remains elevated, though could slow if job switching slows, or the labor market loosens.

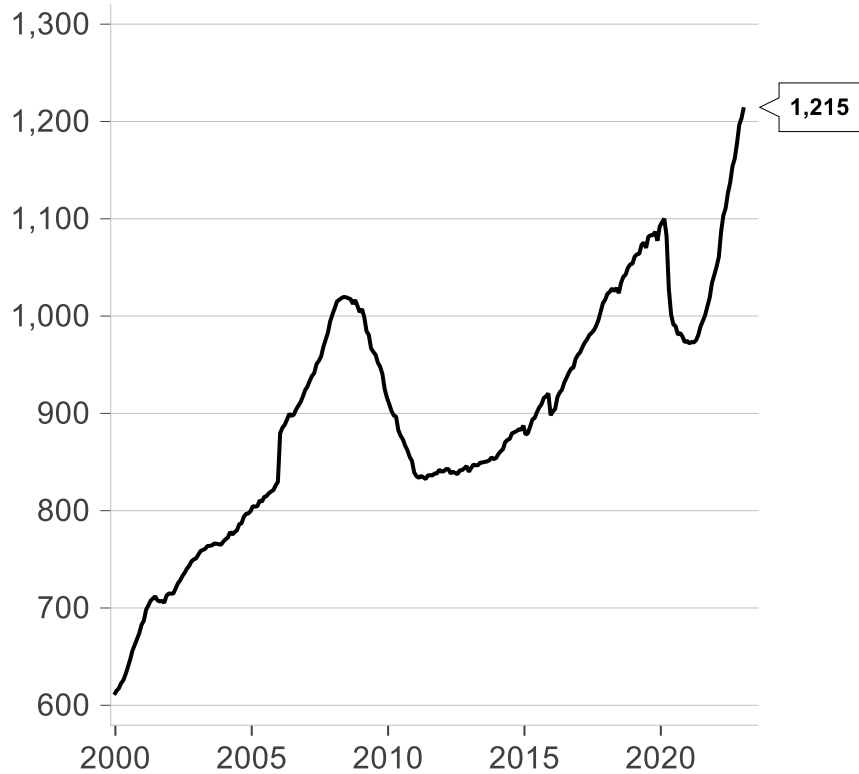
As inflation moderates from the 2022 peak, we are seeing real earnings growth recover. This is helping consumer sentiment and supporting continued consumer spending as purchasing power improves.

As of 3/15/23



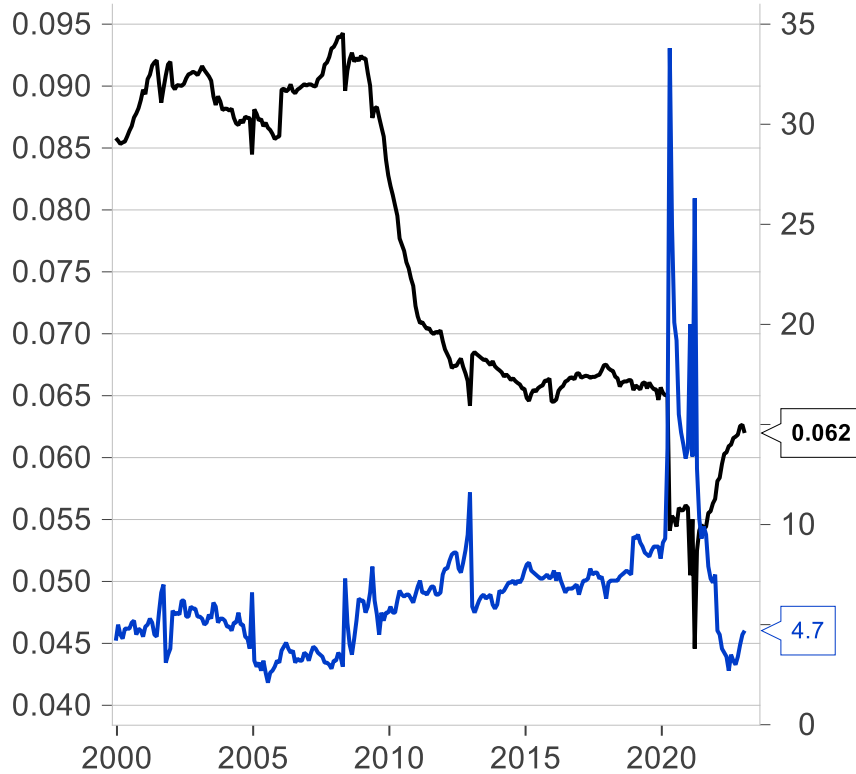
# Are Consumers Stretched?

**Federal Reserve Consumer Credit Outstanding Amount Revolving SA**



Source: NewEdge Wealth, Macrobond, Bloomberg

**Consumer Revolving Credit as a % of Disposable Income**



Source: NewEdge Wealth, Macrobond, Bloomberg

Credit card balances have surged to a new all-time high, but remain low as a % of disposable income.

Note that Savings as % of disposable income are also ticking higher. This could be due to some caution by consumers, plus improving real wage growth.

On Wednesday we did see a decline in February retail sales, after a very strong January.

As of 3/15/23

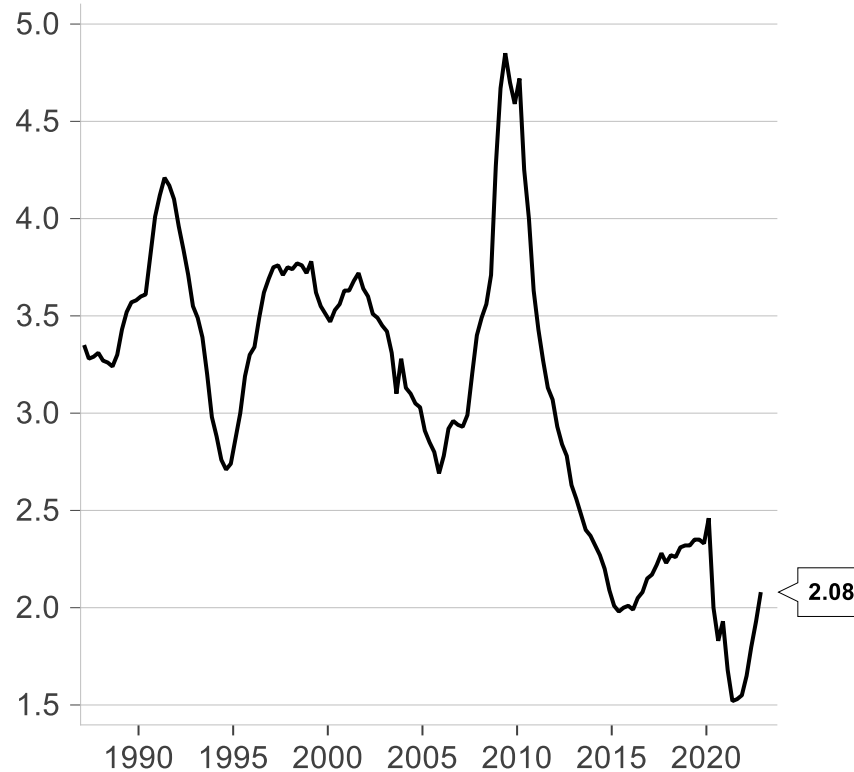
# Interest Rates Starting to Pinch, But Delinquencies Remain Low

### Credit Card Interest Rate %



Source: NewEdge Wealth, Macrobond, Bloomberg

### Federal Reserve US Delinquency Rates For All Banks All Consumer Loans



Source: NewEdge Wealth, Macrobond, Bloomberg

As of 3/15/23

Rates on credit card debt have surged to a new all-time high, watch if this pinches credit usage/exacerbates servicing costs.

But note that delinquency rates for all consumer loans remain low and below pre-pandemic peaks.

---

# Snap Back to Reality:

## The Path Forward For Equity Markets

... Snap back to reality  
Oh, there goes gravity

- “Lose Yourself”, Eminem

# Don't Call it a Breakout

## S&P 500 (daily)



This February- March move is looking more and more like a false breakout above the downtrend line and 200-day moving average. Mostly given valuations at the February peak reached nearly 19x 2023's EPS, a very expensive multiple.

We are still watching this 200-week moving average (now at 3,697) as important support.

We could overshoot in a sharp sell-off (like we did during COVID) and if EPS deteriorates sharply. 3,500 is the October low, 3,400 the pre-pandemic high.

Historically, forward returns improve materially after similar peak-to-trough declines (>30%).

# Potential S&P 500 Outcomes

## S&P 500 2023 Potential Price Levels at Various EPS and PE

		PE on 2023 EPS								
		14x	15x	16x	17x	18x	19x	20x	21x	
Change vs. 2022	-24%	\$170	2,380	2,550	2,720	2,890	3,060	3,230	3,400	3,570
	-19%	\$180	2,520	2,700	2,880	3,060	3,240	3,420	3,600	3,780
	-15%	\$190	2,660	2,850	3,040	3,230	3,420	3,610	3,800	3,990
	-10%	\$200	2,800	3,000	3,200	3,400	3,600	3,800	4,000	4,200
	-6%	\$210	2,940	3,150	3,360	3,570	3,780	3,990	4,200	4,410
	-1%	\$220	3,080	3,300	3,520	3,740	3,960	4,180	4,400	4,620
	3%	\$230	3,220	3,450	3,680	3,910	4,140	4,370	4,600	4,830
	8%	\$240	3,360	3,600	3,840	4,080	4,320	4,560	4,800	5,040
	12%	\$250	3,500	3,750	4,000	4,250	4,500	4,750	5,000	5,250

The blue outlined box shows our expectations for potential upside and downside based on fundamentals for the S&P 500 in 2023.

Of course, we can trade outside of these bands at any given time. Oftentimes technicals, positioning, and sentiment can cause short term prices to diverge from medium-term fundamentals.

We use a range of \$200-220 (-10% to flat) for our 2023 EPS and a wide range of 16x-19x for the PE multiple.

## S&P 500 2023 Potential % Change from 2022 Close at Various EPS and PE

		PE on 2023 EPS								
		14x	15x	16x	17x	18x	19x	20x	21x	
Change vs. 2022	-24%	\$170	-38%	-34%	-29%	-25%	-20%	-16%	-11%	-7%
	-19%	\$180	-34%	-30%	-25%	-20%	-16%	-11%	-6%	-2%
	-15%	\$190	-31%	-26%	-21%	-16%	-11%	-6%	-1%	4%
	-10%	\$200	-27%	-22%	-17%	-11%	-6%	-1%	4%	9%
	-6%	\$210	-23%	-18%	-12%	-7%	-2%	4%	9%	15%
	-1%	\$220	-20%	-14%	-8%	-3%	3%	9%	15%	20%
	3%	\$230	-16%	-10%	-4%	2%	8%	14%	20%	26%
	8%	\$240	-12%	-6%	0%	6%	13%	19%	25%	31%
	12%	\$250	-9%	-2%	4%	11%	17%	24%	30%	37%

We lean towards the lower end of this valuation band given Fed hawkishness and the level of interest rates, which could put downward pressure on valuations.

### Wall Street Consensus for 2023

Low: 3,200

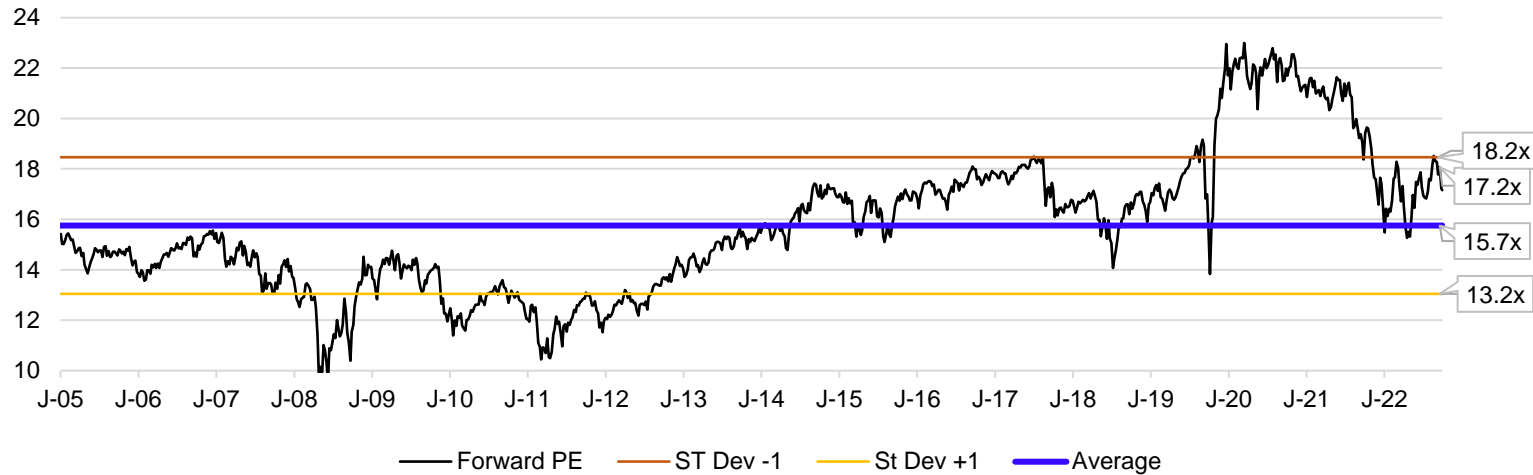
High: 4,750

2022 Close: 3,839

Source: Bloomberg, NewEdge Wealth, as of 3/15/23

# Valuations Not Historically Cheap, EPS Still Optimistic?

## S&P 500 PE with 20 Year Statistics



Valuations are still above long-term averages (note markets bottomed near the long-term average ~15.5x in 2022).

On earnings, estimates have been cut down to \$220/sh for 2023 (vs. an estimate for \$243/sh last summer). These estimates reflect lower revenue growth and ongoing margin compression, but not a recession.

## S&P 500 Earnings with 2023 and 2024 Consensus & 2023 Scenario Analysis

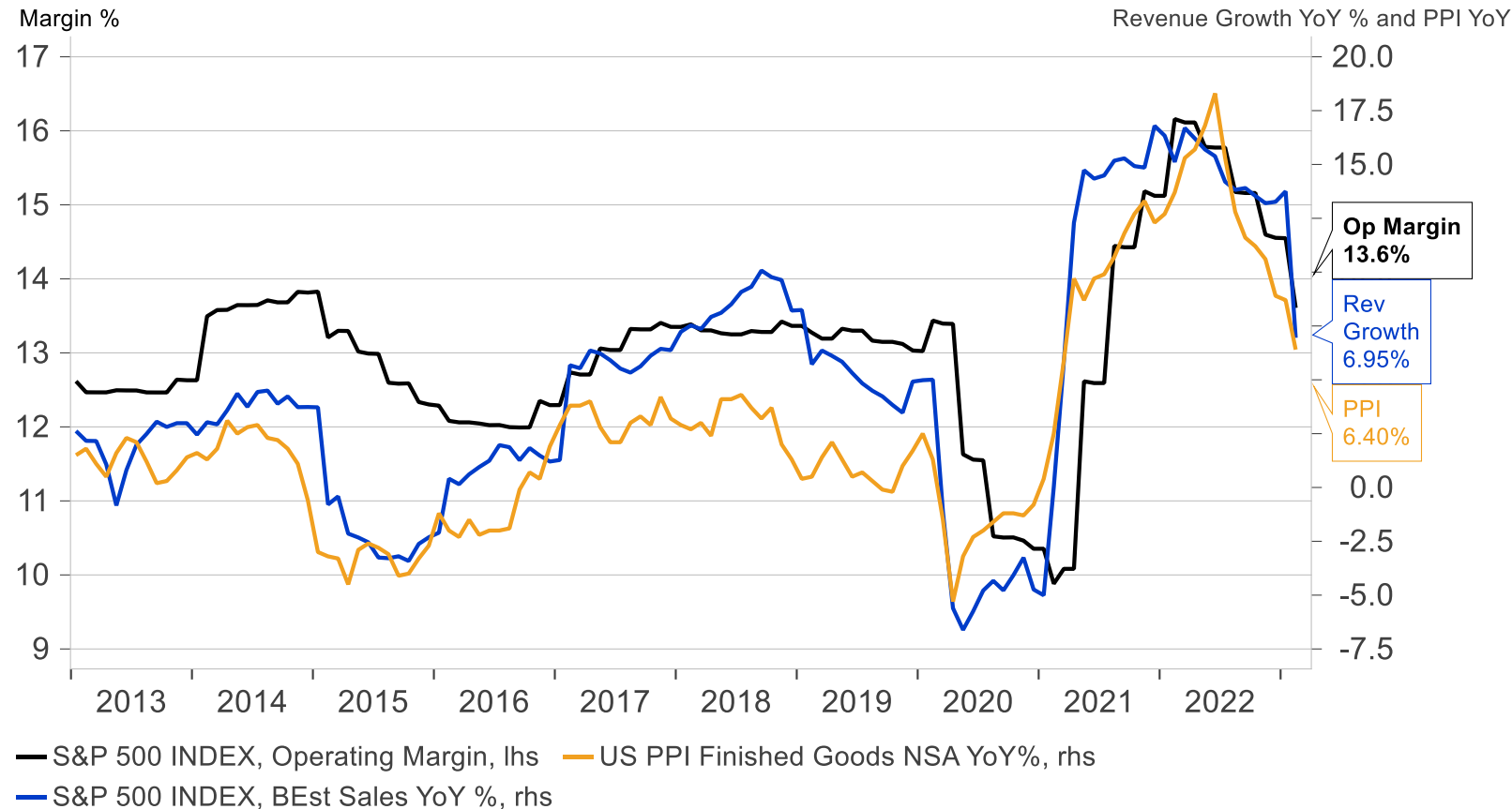
	2022	2023 Cons	2023 Mild Growth, Margin Down	2023 No-Land, Higher Revenue, Flat Margin	2023 Recession, Revenue and Margin Down	2024 Cons
Revenue	\$ 1,711.79	\$ 1,772.53	\$ 1,772.56	\$ 1,814.50	\$ 1,677.55	\$1,857.95
Growth YoY	15.22%	3.55%	3.55%	6%	-2%	4.82%
EBIT	\$ 250.94	\$ 284.10	\$ 248.16	\$ 272.17	\$ 226.47	\$ 309.73
Margin	14.57%	16.03%	14.00%	15.00%	13.50%	16.67%
<b>Earnings</b>	<b>\$ 223.36</b>	<b>\$ 221.09</b>	<b>\$ 210.93</b>	<b>\$ 231.35</b>	<b>\$ 192.50</b>	<b>\$ 242.72</b>
Growth YoY	12%	-1%	-6%	4%	-13%	10%

Source: Bloomberg Data and Consensus, NewEdge Wealth Analysis, as of 2/24/23

2024 estimates are for \$243/sh, which may be too aggressive if 2023 earnings are lower or a recession hits later in 2023/2024.

# Operating Margins Are Falling Back to Earth

## S&P 500 Revenue Growth Slows As Inflation Slows, Will Margins Decline?



We continue to expect operating margins to fall back to pre-pandemic levels as revenue growth slows (partially driven by lower inflation).

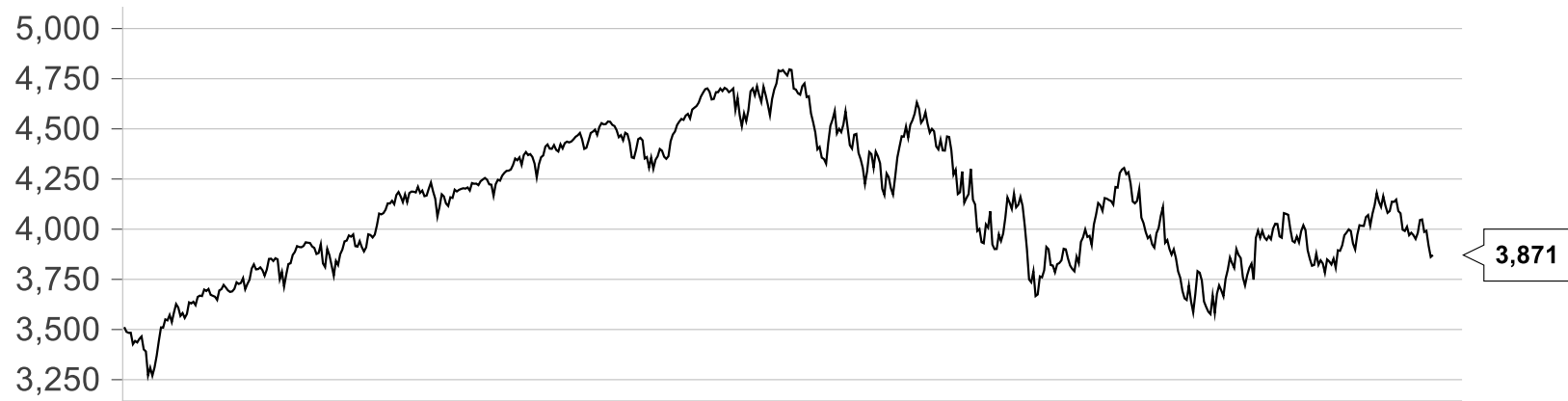
If margin compression continues, we could see earnings decline in 2023 even without a recession (revenue decline).

Source: NewEdge Wealth, Macrobond, Bloomberg

As of 3/15/23

# Breadth Deteriorating, Not Quite Washed Out

## S&P 500 Index Breadth (% issues above their 50 day moving average)



Breadth has been deteriorating since early February, as weakness started emerging under the surface of this market.

This deterioration left us skeptical that February was the breakout to start a new bull market.

Percentage of Constituents Above 50 Day Moving Average (with 99th percentile low)



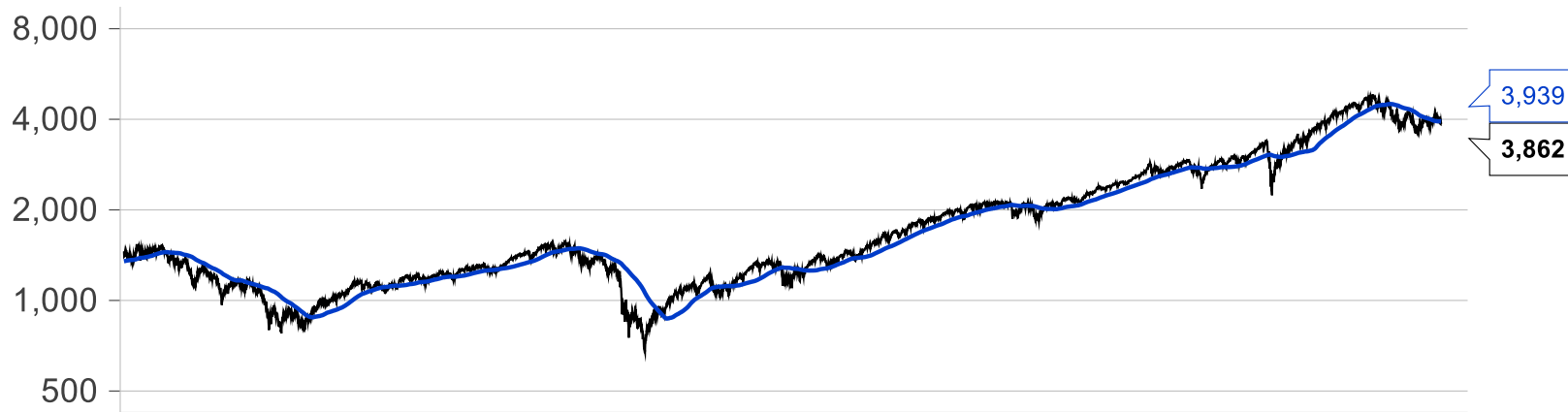
Source: NewEdge Wealth, Macrobond, Bloomberg

As of 3/15/23

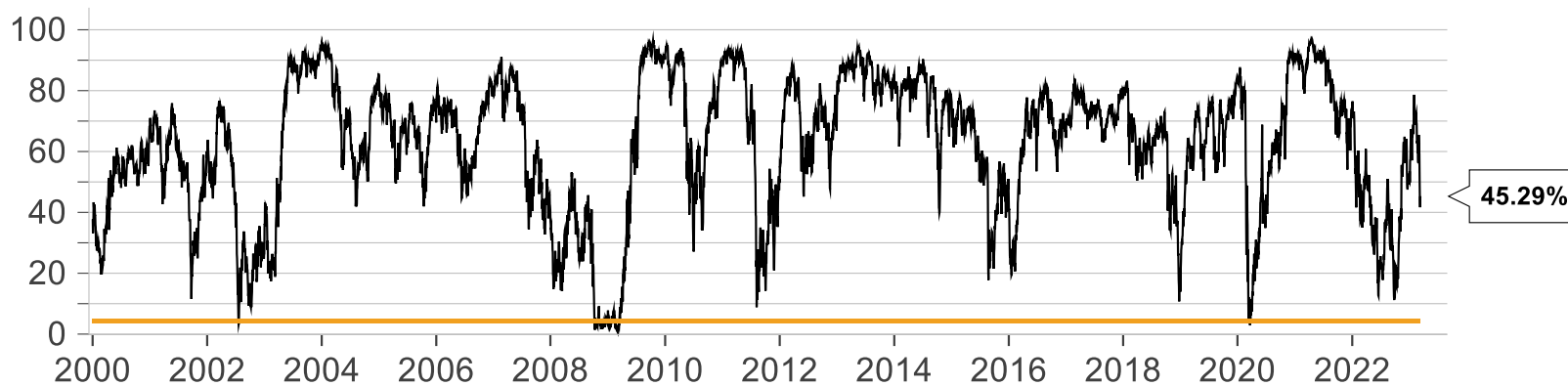


# Medium Term Breadth Not Washed Out (like in 2022)

## S&P 500 Index with % of Issues Above 200 Day



## Percentage of Constituents Above 200 Day Moving Average (with 99th percentile)



Source: NewEdge Wealth, Macrobond, Bloomberg  
As of 3/15/23

It will be important to watch if the names that experienced a lot of trend improvement in 2H22 (coming out of the June lows) start to see their trends deteriorate in this current sell-off.

# Small Caps Flashing Warning Signs

## Russell 2000 Index (RTY) Absolute and Relative to S&P 500



The Russell 2000 started flashing warning signs 2 weeks ago when it started to materially underperform the S&P 500.

Small cap relative performance is a sign of risk-taking and pro-cyclical appetite. Small caps typically outperform at the start of an easing and economic cycle when liquidity is abundant and sentiment is recovering off lows.

Small caps are lower quality companies (40% are unprofitable) and have higher exposure to floating rate debt (~40% of S&P 600 is floating).

# The Riskiest of the Risk Underperforming

## Microcaps Sat Out the Recent Risk Rally

Microcap Index vs. Russell 2000 Small Cap Index



Microcap stocks are even riskier than small caps, and when they outperform small caps, it is typically a sign of expanding risk appetite.

After the meme and speculative bubble topped in 2021 (coincided with the peak in money supply growth), microcaps have been underperforming.

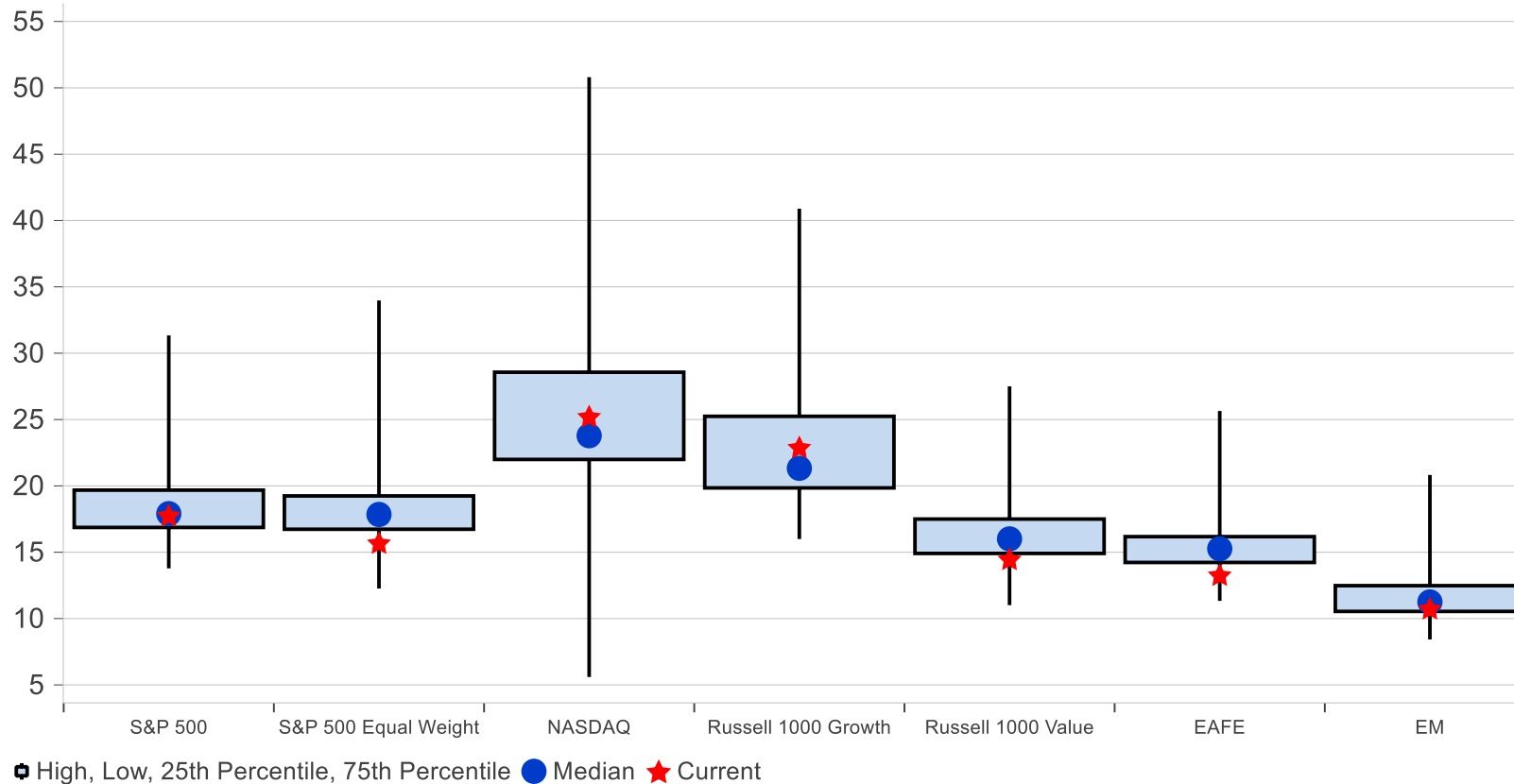
Source: NewEdge Wealth, Macrobond, Bloomberg

As of 3/15/23

# Valuations Now Back to Average

## Some Markets are Cheaper Than Others

10 Year Valuation Statistics for Major Equity Indices



After the recent market rout, valuations have come back to average levels for the S&P 500.

NASDAQ and Growth look expensive, while Equal Weight, Value, and International Developed are below average, but not screamingly cheap.

Source: NewEdge Wealth, Macrobond, Bloomberg

As of 2/17/23

# International Developed Consolidating

## MSCI International Developed EAFE Index (MXEA) Absolute and Relative to U.S. S&P 500



International developed is consolidating, but even with the weakness in European banks, international developed stocks are holding up relatively well vs. the U.S.

We continue to watch the USD as an important driver of sustained outperformance for non-U.S. markets.

# Emerging Markets Retreating

## MSCI Emerging Markets Index (MXEF) Absolute and Relative to U.S. S&P 500



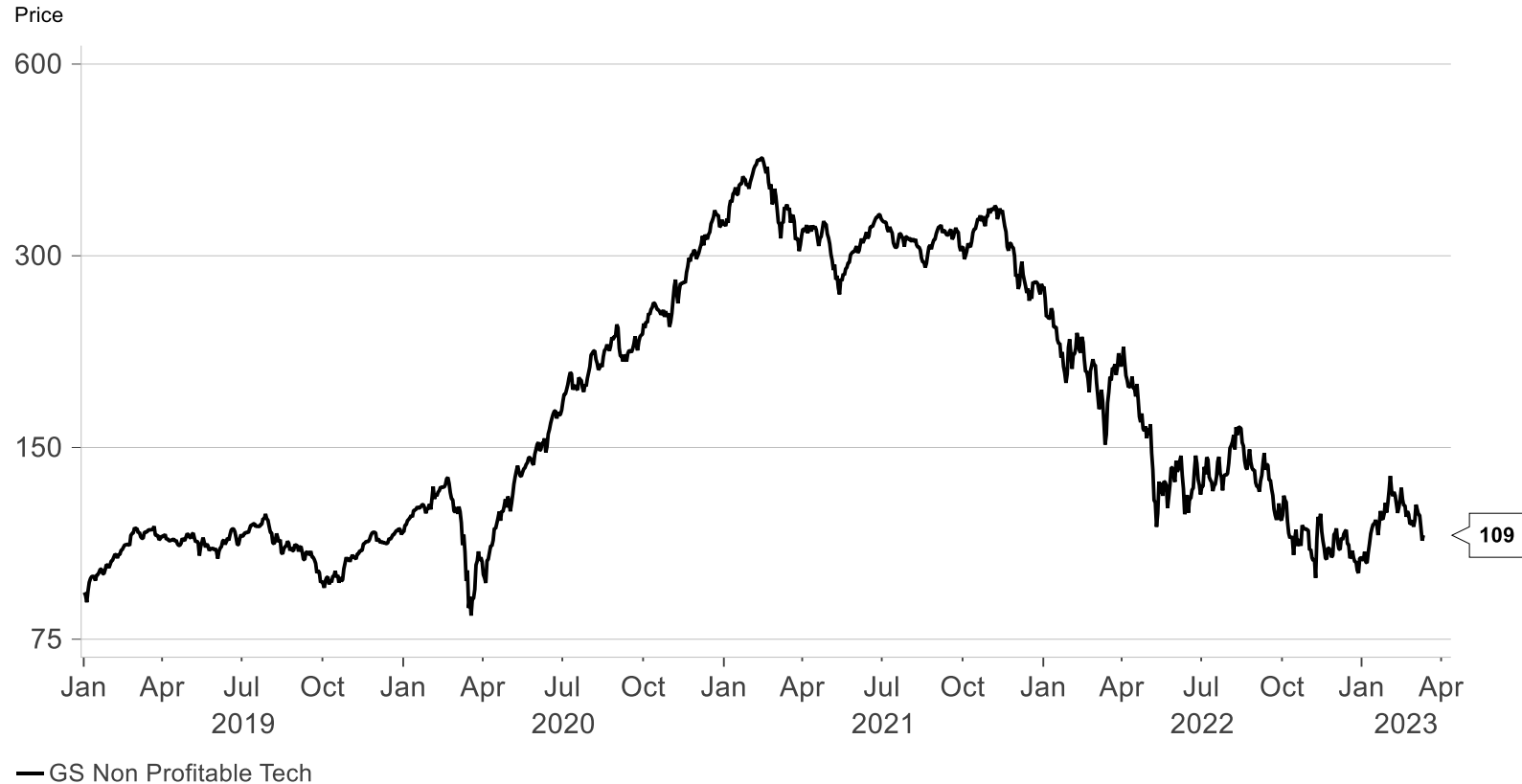
Emerging markets look much weaker and are giving back a lot of their recent outperformance.

This is being dragged down by China.

EM remains in a 15-year relative downtrend vs. the U.S.

# The YTD Rebound in Profitless Tech Reverses

## GS Non Profitable Tech



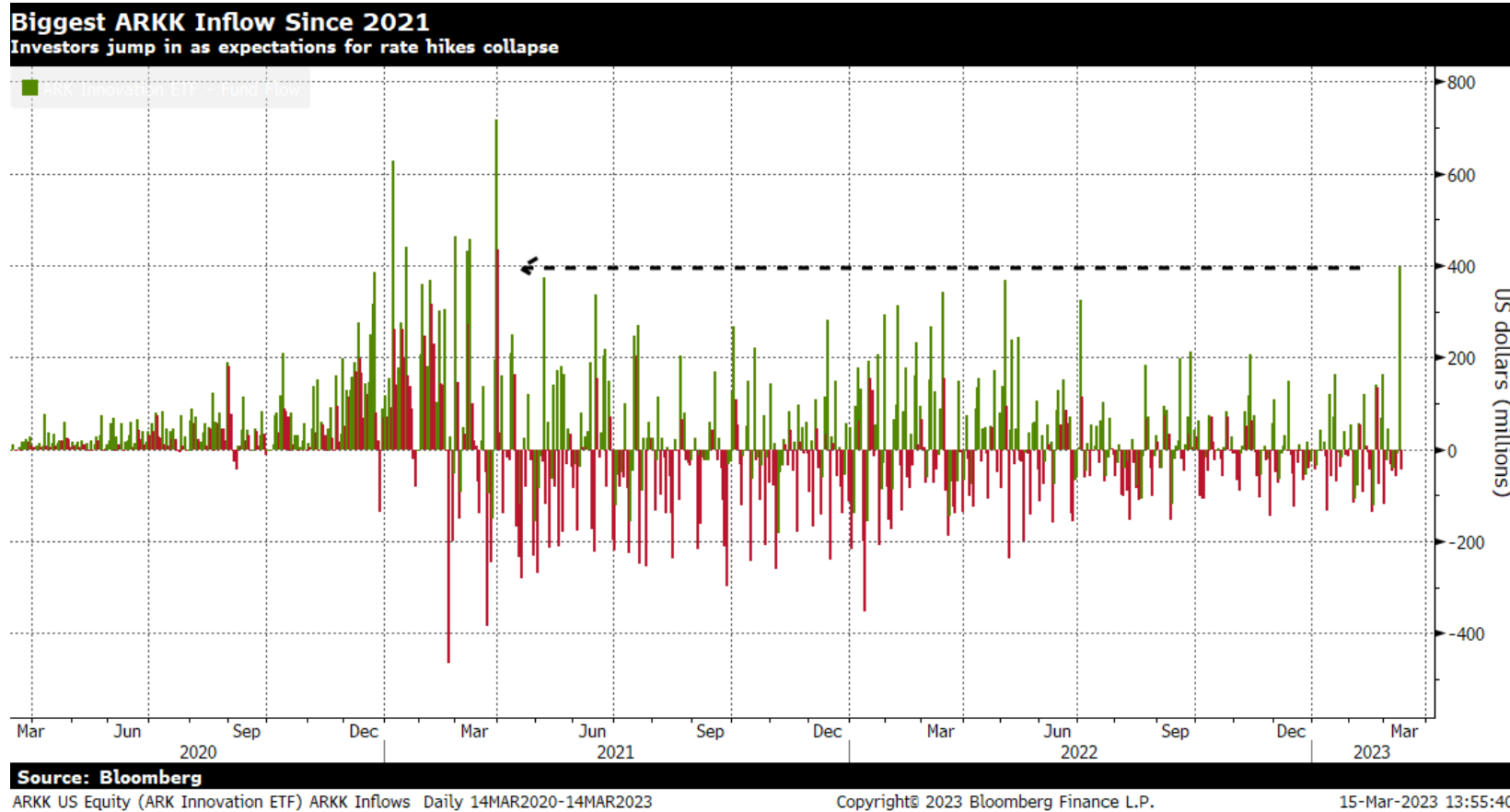
After a brutal bear market in 2022, non profitable tech has staged a powerful rebound (+21% YTD, reached a peak of +35% on Feb 2).

This rebound occurred without the help from additional liquidity (like what happened in 2020-2021).

It appeared to be more driven by positioning and a brief valuation rebound.

Source: NewEdge Wealth, Macrobond, Bloomberg  
As of 2/17/23

# The Dream Doesn't Die!



On Friday of last week, ARKK had its largest inflow since April of 2021 (right after the relative high in the ETF performance).

This was fueled by bets that financial instability would cause the Fed to pivot and thus be supportive of the valuations and business models of these speculative/low-no profit business.



---

# Black and Yellow:

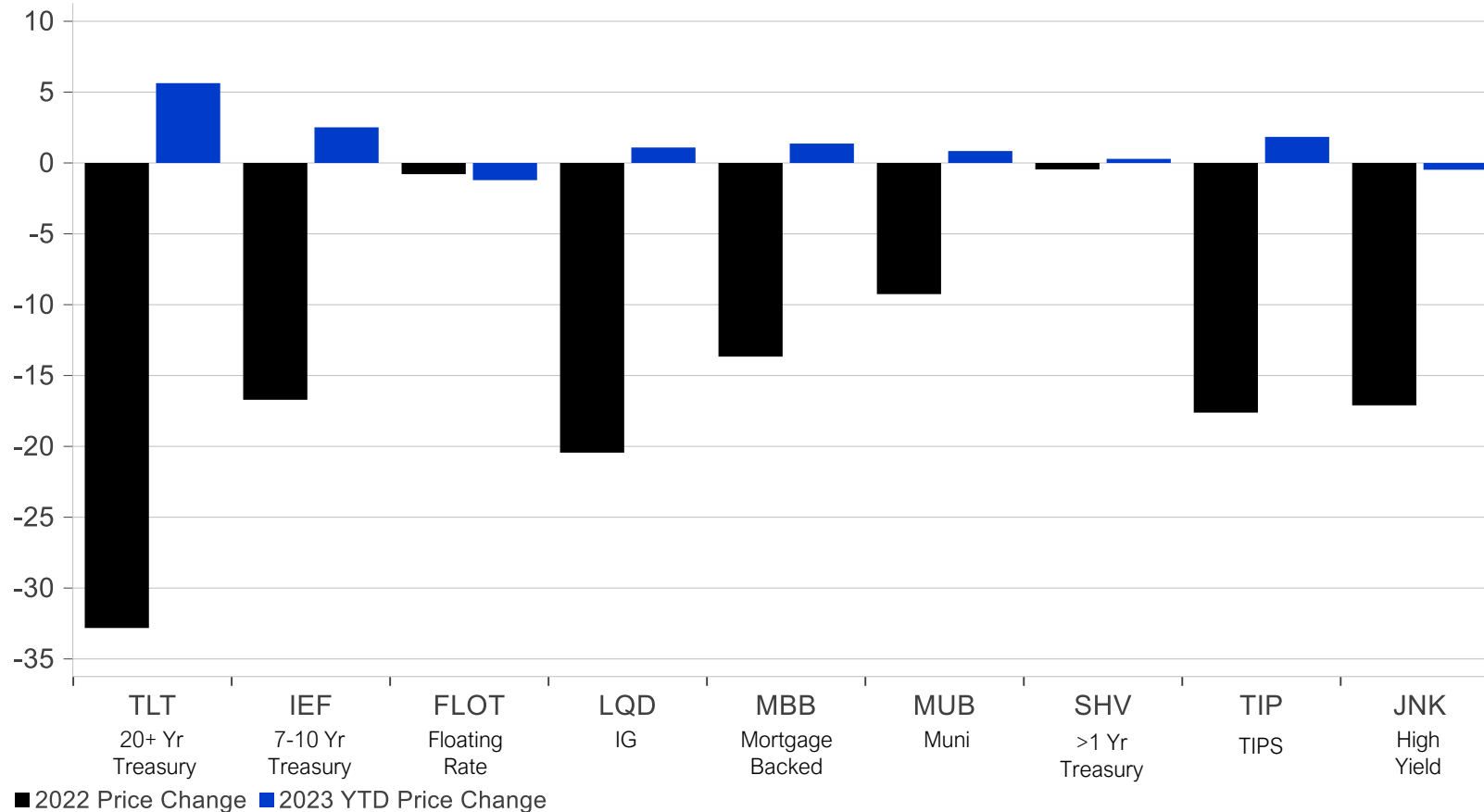
## Bonds and Gold Have a Good Start to 2023

Yeah, you know what it is  
Black and yellow

- “Black and Yellow”, Whiz Khalifa

# After an Ugly 2022, Stabilization to Start 2023

Fixed Income ETF Price Change (2022 and 2023 YTD)



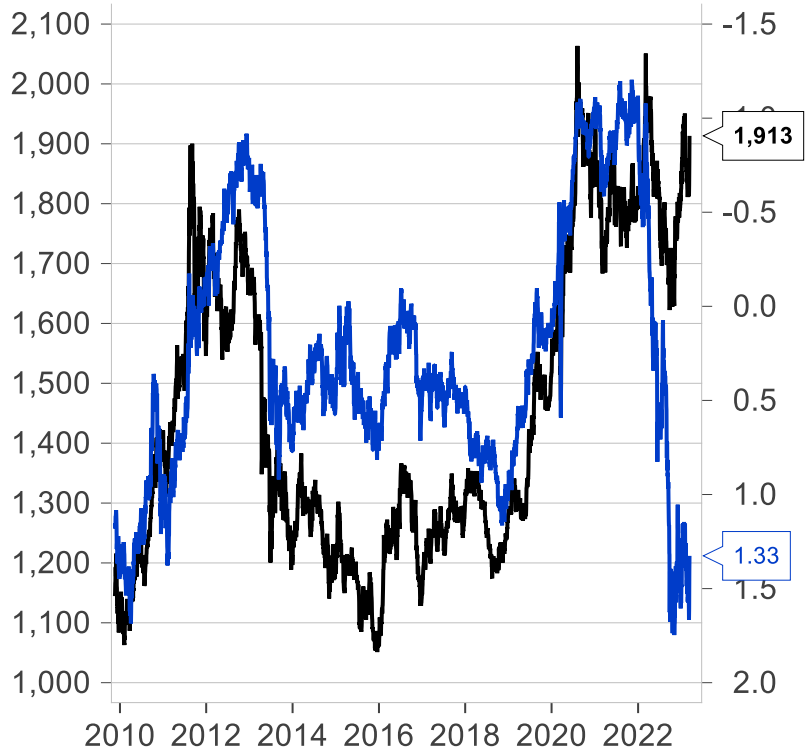
Bonds have had a better start to 2023 than 2022, but gains have been focused in risk-off parts of the bond market (long-dated Treasuries), while riskier bonds (credit, HY) have not been as resilient.

Source: NewEdge Wealth, Macrobond, Bloomberg

As of 2/17/23

# Gold and Real Yields Divergence, But Gold Lockstep with the USD

**Gold Prices and Real Yields Inverted (10 Year)**



— XAUUSD Spot Exchange Rate - Price of 1 XAU in USD, lhs  
 — Real Yields Inverted, rhs

Source: NewEdge Wealth, Macrobond, Bloomberg

**Gold Prices and USD Inverted (1 Year)**



— XAUUSD Spot Exchange Rate - Price of 1 XAU in USD, lhs  
 — DXY CURRENCY, rhs

Source: NewEdge Wealth, Macrobond, Bloomberg

For most of the prior cycle, Gold traded inversely with real yields (10 Year Treasury Yield minus inflation).

In late 2022 this relationship broke down, with Gold rallying despite the rise in real yields.

Instead, Gold has been trading lockstep with the USD inversely, with a weaker USD sparking higher Gold prices.

Heavy central bank buying likely also contributed to higher Gold prices.

Gold has outperformed stocks since the October low.

As of 2/17/23

---

# Disclosures

This report is intended for the exclusive use of clients or prospective clients of NewEdge Wealth. The information contained herein is intended for the recipient, is confidential and may not be disseminated or distributed to any other person without the prior approval of NewEdge Wealth. Any dissemination or distribution is strictly prohibited.

Information has been obtained from a variety of sources believed to be reliable though not independently verified. Any forecast represents future expectations and actual returns, volatilities and correlations will differ from forecasts. This presentation does not represent a specific investment recommendation. Please consult with your advisor, attorney and accountant, as appropriate, regarding specific advice. Please remember that different types of investments involve varying degrees of risk, and there can be no assurance that the future performance of any specific investment or investment strategy (including those referenced herein) will be profitable or equal any historical performance level(s). Diversification does not protect against market risk or loss of principal. The views and opinions included in these materials belong to their author and do not necessarily reflect the views and opinions of NewEdge Capital Group, LLC. NewEdge and its affiliates do not render advice on legal, tax and/or tax accounting matters. You should consult your personal tax and/or legal advisor to learn about any potential tax or other implications that may result from acting on a particular recommendation.

The trademarks and service marks contained herein are the property of their respective owners. Unless otherwise specifically indicated, all information with respect to any third party not affiliated with NewEdge has been provided by, and is the sole responsibility of, such third party and has not been independently verified by NewEdge, its affiliates or any other independent third party. No representation is given with respect to its accuracy or completeness, and such information and opinions may change without notice. Any forward-looking statements or forecasts are based on assumptions and actual results are expected to vary from any such statements or forecasts. No assurance can be given that investment objectives or target returns will be achieved. Future returns may be higher or lower than the estimates presented herein. All data is subject to change without notice.

Investing involves risk, including possible loss of principal. Past performance is no guarantee of future results.

© 2023 NewEdge Capital Group, LLC

When referencing asset class returns or statistics, the following indices are used to represent those asset classes, unless otherwise notes. You cannot invest directly in an index. Index returns shown are total returns which includes interest, capital gains, dividends, and distributions realized over a given period of time. An individual who purchases an investment product which attempts to mimic the performance of a benchmark or index will incur expenses such as management fees and transaction costs which reduce returns.

TIPS: Bloomberg Barclays Global Inflation-Linked: U.S. TIPSTotal Return Index Unhedged  
Municipals 5-Year: Bloomberg Barclays Municipal Bond 5 Year (4-6) Total Return Index Unhedged USD  
Core Bond: Bloomberg Barclays USAgg Total Return Value Unhedged USD  
U.S. MBS: Bloomberg Barclays US MBS Index  
High Yield Municipals: Bloomberg Barclays Muni High Yield Total Return Index Value Unhedged USD  
High Yield: Bloomberg Barclays US Corporate High Yield Total Return Index Value Unhedged USD  
Foreign Bond: Bloomberg Barclays Global Aggregateex-USD Total Return Index Value USD (50/50blend of hedged and unhedged)  
EM Debt (unhedged): J.P. Morgan GBI-EM Global Diversified Composite Unhedged USD  
U.S. Large Cap: S&P 500 Total Return Index  
U.S. Small Cap : Russell 2000 Total Return Index  
International Developed: MSCI EAFE Net Total Return USD Index  
Emerging Markets: MSCI Emerging Markets Net Total Return USD Index  
World: MSCI ACWI Net Total Return USD Index  
U.S. Equity REITs: FTSE Nareit Equity REITs Total Return Index USD  
Commodities: Bloomberg Commodity Total Return Index  
Midstream Energy: Alerian MLP Total Return Index  
Hedge Funds: Hedge Fund Research HFRI Fund of Funds Composite Index  
U.S.: MSCI USA Net Total Return USD Index

Europe: Euro Stoxx 50  
United Kingdom: UK FTSE 100  
Japan: Tokyo TOPIX Stock Exchange Index  
China: Hang Seng Index  
Brazil: Ibovespa Brasil Sao Paulo Stock Exchange Index  
India: NSE Nifty Index  
South Korea: Korea Stock Exchange KOSPI Index  
Taiwan: Taiwan Stock Exchange Index


REITS Diversified: FTSE Nareit Eqty Diversified Total Return Index  
REITS Healthcare: FTSE Nareit Eqty Health Care Total Return Index  
REITS Industrial: FTSE Nareit Eqty Industrial Total Return Index  
REITS Lodging/Resorts: FTSE Nareit Eqty Lodging/Resorts Total Return Index  
REITS Office: FTSE Nareit Eqty Office Total Return Index  
REITS Residential: FTSE Nareit Eqty Residential Total Return Index  
REITS Retail: FTSE Nareit Eqty Retail Total Return Index  
REITS Self Storage: FTSE Nareit Eqty Self Storage Total Return Index  
REITS Data Centers: FTSE Nareit Equity Data Centers Total Return Index  
REITS Specialty: FTSE Nareit Equity Specialty Total Return Index  
Real Assets Agriculture: Bloomberg Sub Agriculture Total Return Index  
Real Assets Industrial Metals: Bloomberg Sub Industrial Metals Total Return Index  
Real Assets Precious Metals: Bloomberg Sub Precious Metals Total Return Index  
Real Assets Energy: Bloomberg Sub Energy Total Return Index

---

# Any questions?

## Contact:

 2200 Atlantic Street, Suite 200 • Stamford, CT

 855.949.5855

 [cdawson@newedgecg.com](mailto:cdawson@newedgecg.com)