### Economic Forecast Webinar 17 February, 2023



# DARDEN

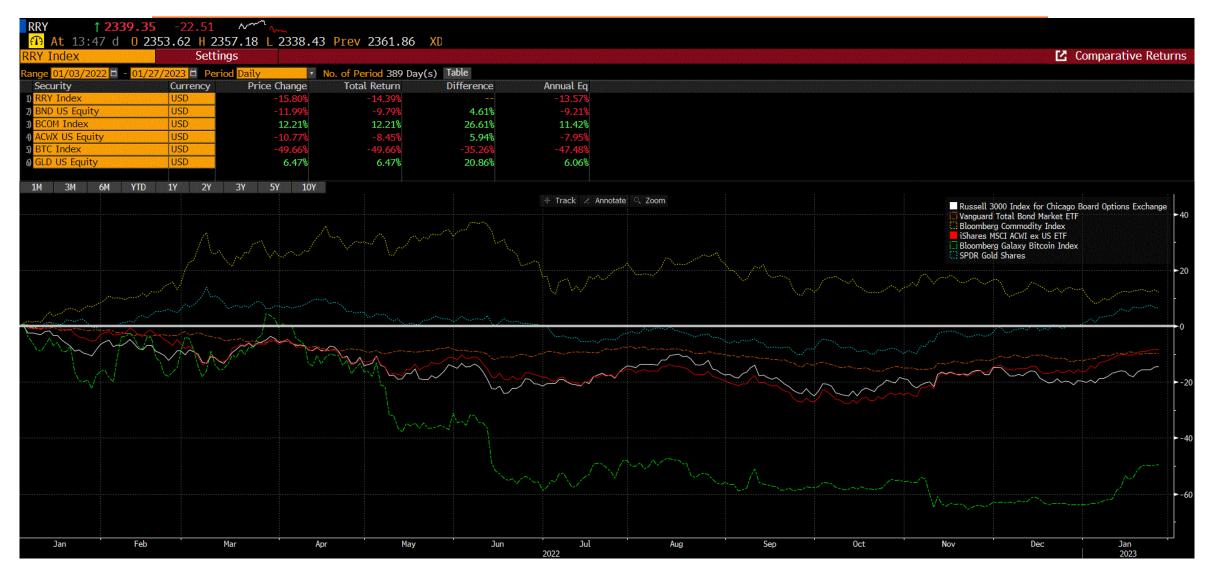
Richard A. Mayo Center for Asset Management

## **Economic Forecast Poll**

#### The US Economy in the Next 12 Months:

- 1) Recession (GDP declines 2 qtrs)
- 2) Soft Landing (GDP slightly positive for 2 qtrs)
- 3) No Landing (GDP grows at or above long-term trend)

#### **Asset Market Returns 2022**



Commodities were the only positive asset class for 2022

# **Be Humble When Forecasting!**



### **Current Issues Facing Markets and Economy**

#### **Many Headwinds Today**

#### 1) Global Growth Mixed Bag

- a) From Globalization to Regionalization
- b) Impact of China's return to normal
- c) Will Europe and U.S. avoid recession?

#### 2) U.S. De-Levering

- a) Fed policy, balance sheet unwinding
- b) Fiscal stimulus (ending?)
- c) Debt Ceiling Crisis

#### 3) Inflation

- a) Has eased but..
- b) Will it persist and stay above Fed 2% target?



#### Some Recent Humbling Examples

**One Example: February 2022** 

### FEDERAL RESERVE BANK OF KANSAS CITY

" U.S. economy is expected to continue to expand at an **above-trend** pace [of 4%] in 2022"

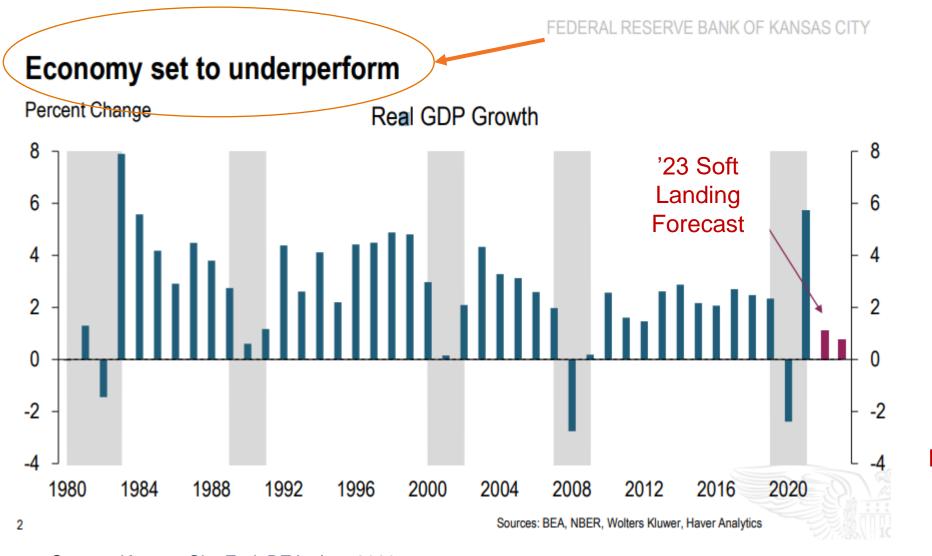
> Actual '22 growth was below trend, 2%

..And another: Jerome Powell (July '21)



"Some inflation, but it's transitory"

#### Kansas City Fed's Current View



Kansas City Fed Forecast slowing economy '22-'23

World Bank GDP forecast for '23

- US +0.5%
- Global +1.7%

Will the widelyanticipated soft landing be achieved?

Source: Kansas City Fed, BEA, Jan, 2023

### ...One More Example

In fall of 2007, the Fed and others were calling for a soft landing



By Reuters Staff

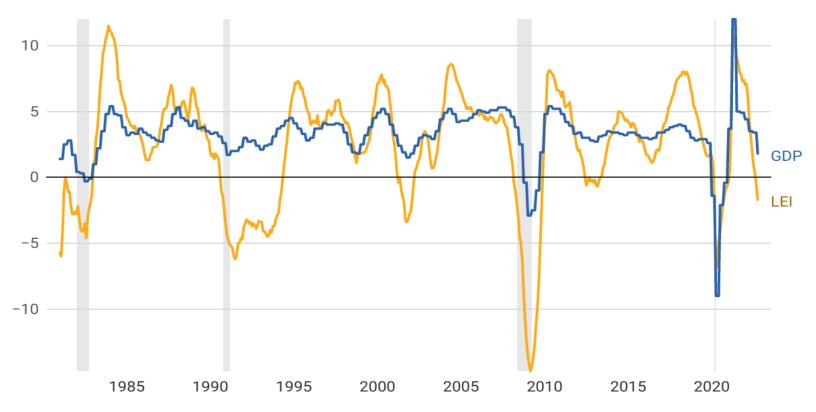


WASHINGTON, Sept 26 (Reuters) - U.S. inflation pressures are easing and the economy should manage a soft landing, the Federal Reserve Bank of Dallas said on Wednesday.

#### Will Global Economy Achieve Soft Landing?

## Global leading indicators signal a likely further slowing in global GDP

Global GDP and Leading Economic Index (y/y % change)



Global GDP is available on a quarterly basis, while the LEI is available on a monthly basis; Global GDP is aggregated using weights based on nominal GDP converted using purchasing power parities; Shaded areas represent global recessions as defined by the World Bank and IMF, with the monthly dating derived from The Conference Board Global Business Cycle Chronology.

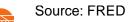
Source: The Conference Board • Created with Datawrapper

- Leading Indicators currently pointing to a recession in '23
- LEI has not been wrong in over 40 yrs...
- Only time will tell of course
- In meantime, as always, stick with a data-driven decision-making process!

#### What is Fed saying about Inflation? A History of Inflation

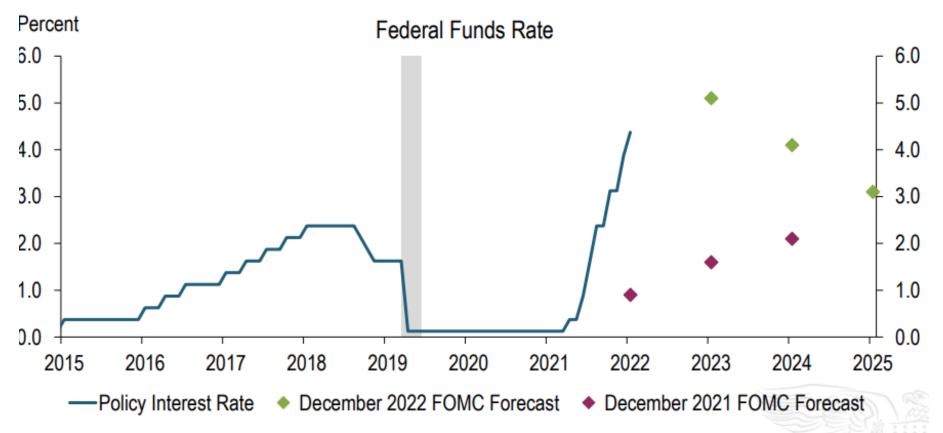
Personal Consumption Expenditures (PCE) Inflation  $\equiv$ Zoom 5Y 10Y 15Y Max Jan 1, 1970 → Oct 1, 2026 15 Will Inflation Year-over-year % change persist? 10 Inflation 5 expected mma 2% target (2012 - present) higher than and a second sec ..... Fed target, 0 2.0%.... Until 2025! -5 1975 1985 1995 2000 2005 2010 2015 1970 1980 1990 2020 2025 Historical PCEPI SEP projection Historical core PCEPI SEP projection

Seasonally adjusted. Projections are from the latest SEP. Recessions are shaded. Source: Bureau of Economic Analysis. See and learn more on FRED.



### **Rates Higher for Longer?**

FEDERAL RESERVE BANK OF KANSAS CITY



#### More tightening expected (and much more than anticipated)

- .. FOMC expects Fed Funds to decline rapidly 2<sup>nd</sup> half '23
- And the market agrees
- So, bond market is pricing in certain recession, right?
- NOT necessarily!
- Why?
- Because the neutral Fed Funds Rate = 3% (per Jeremy Siegel)
- So Fed still restrictive through 2024!

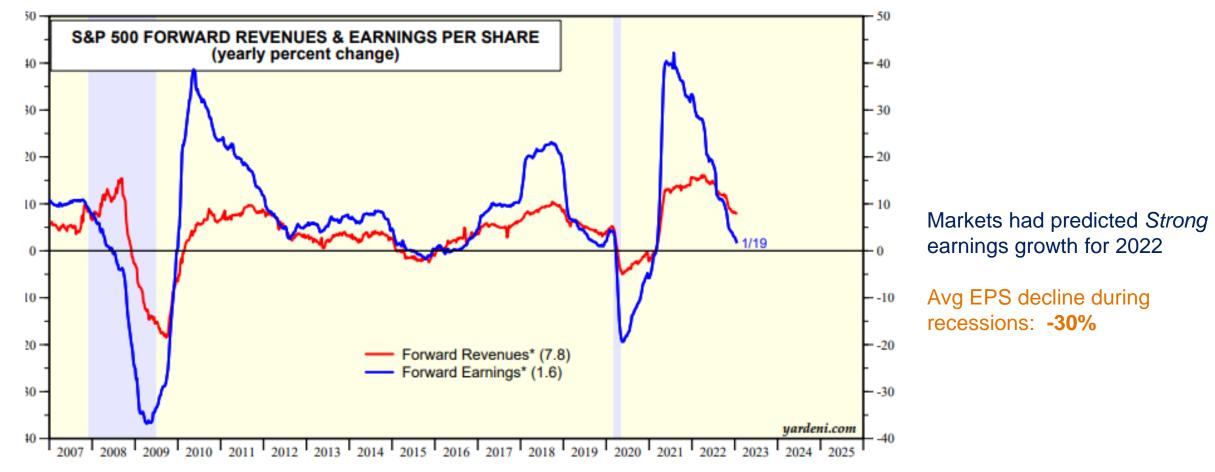
### What Does All This Mean for Markets?

#### ...Depends on Drivers of Market Returns

- 1) Global Economy and Interest Rates
- 2) Corporate Profits
- 3) Asset Valuation Levels



#### **Corporate Earnings Slowing**

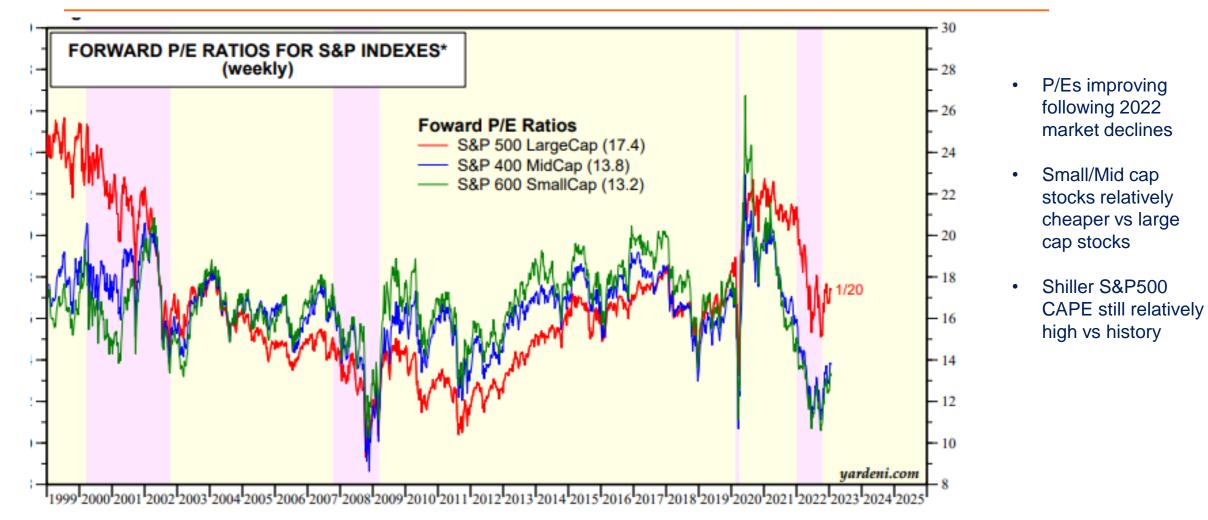


\* Time-weighted average of consensus estimates for current year and next year. Note: Shaded areas are recessions according to the National Bureau of Economic Research. Source: I/B/E/S data by Refinitiv and Standard & Poor's.

· · ·

Whenever you invest, you are at risk of loss of principal as the market fluctuates. Past performance is not indicative of future results. Purchases are subject to suitability. This requires a review of an investor's objective, risk tolerance, and time horizons. Investing always involves risk and possible loss of capital.

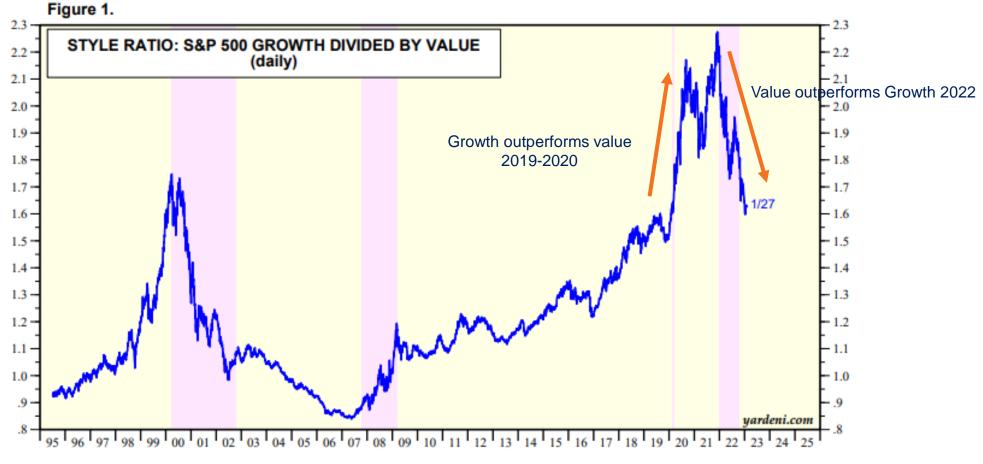
#### P/E for Large/Mid/Small Cap Stocks



\* Price divided by 52-week forward consensus expected operating earnings per share. Note: Shaded red areas are S&P 500 bear market declines of 20% or more. Yellow areas show bull markets. Source: I/B/E/S data by Refinitiv.

#### **Mighty Swings in Growth vs Value Performance**

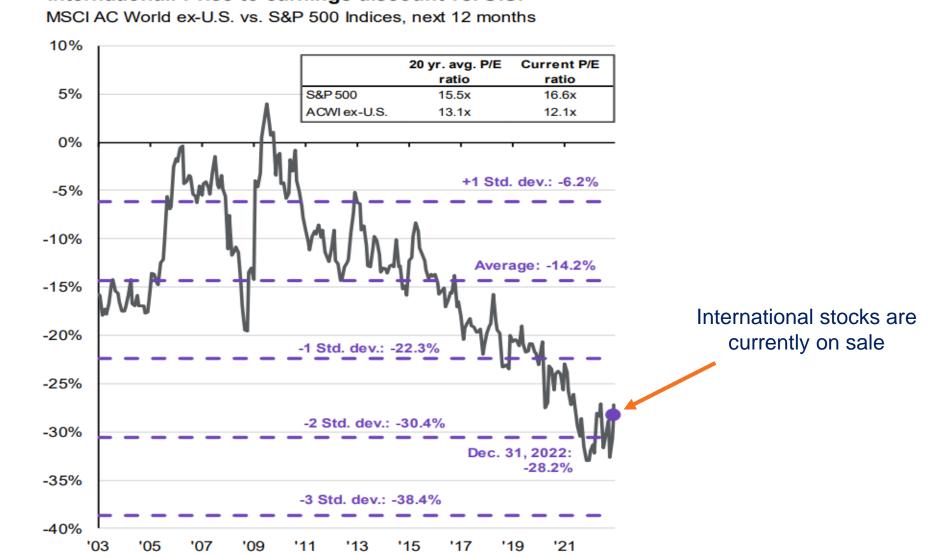
Relative Performance of Growth Stocks vs Value Stocks



Note: Shaded red areas are S&P 500 bear market declines of 20% or more. Yellow areas show bull markets. Source: Standard & Poor's and Haver Analytics.

<u>I</u>

#### **International Equity Valuations**



International: Price-to-earnings discount vs. U.S.

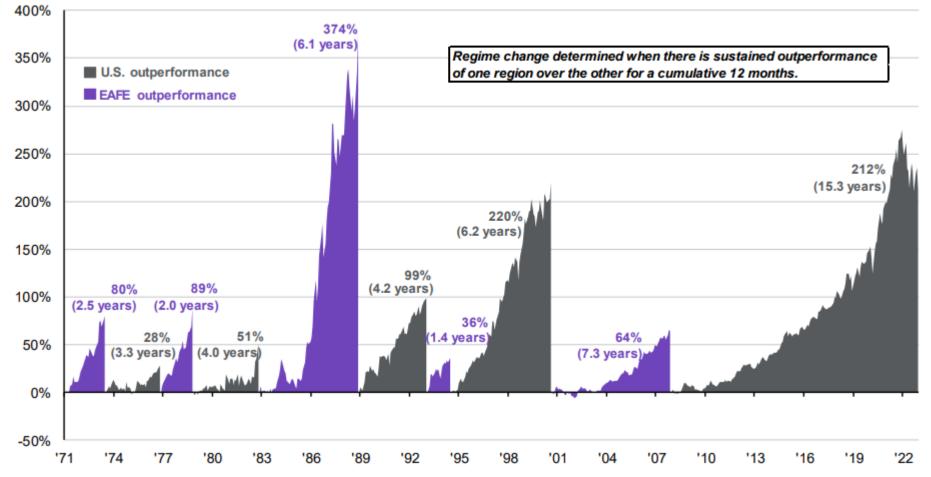
Source: FactSet, MSCI, Standard & Poor's, J.P. Morgan Asset Management. Guide to the Markets - U.S. Data are as of December 31, 2022.

#### **International Equities Due to Outperform?**

#### MSCI EAFE and MSCI USA relative performance

U.S. dollar, total return, cumulative outperformance\*

Î



Source: FactSet, MSCI, J.P. Morgan Asset Management. \*Cycles of outperformance include a qualitative component to determine turning points in leadership. Guide to the Markets – U.S. Data are as of December 31, 2022.

\_\_\_\_\_

# What to Do? A Humble Approach

### 1) Get Diversified!

"Diversification is the only free lunch in investing"

— Harry Markowitz, Nobel Laureate in Economic Sciences\*\*

"Asset allocation policy is by far the most important investment decision." \*

- Roger Ibbotson

PROGRAMS EVENTS AND

Welcome to Portfolio for the Future™!

← Back to Portfolio for the Future™

#### Putting 2020 into Perspective: Diversification May Work Better than You Think

**By Rodney Sullivan, CFA, CAIA, Executive Director, University of Virginia Darden School of Business** US recessions are typically accompanied by declines in stock market returns and, of course, 2020 has been no exception. We are once again reminded that investing is not easy

Source: https://caia.org/blog/2020/08/06/putting-2020-into-perspective-diversification-may-work-better-than-you-think

\* Ibbotson, Roger and Paul Kaplan, "Does Asset Allocation Policy Explain 40, 90, or 100 Percent of Performance?" Financial Analysts Journal Jan 2000 56,1.

\*\* Harry Markowitz with Rodney Sullivan and Antti Ilmanen, "Markowitz on Portfolio Theory and Practice." AQR Words from the Wise. Jan. 29, 2016.

## 2) Invest for the Long-Haul

### WHEN JEFF BEZOS MET WARREN BUFFETT

WARREN, YOUR INVESTING STRATEGY IS SO SIMPLE; WHY DOESN'T EVERYONE JUST COPY YOU?"

"BECAUSE NOBODY WANTS TO GET RICH SLOW"



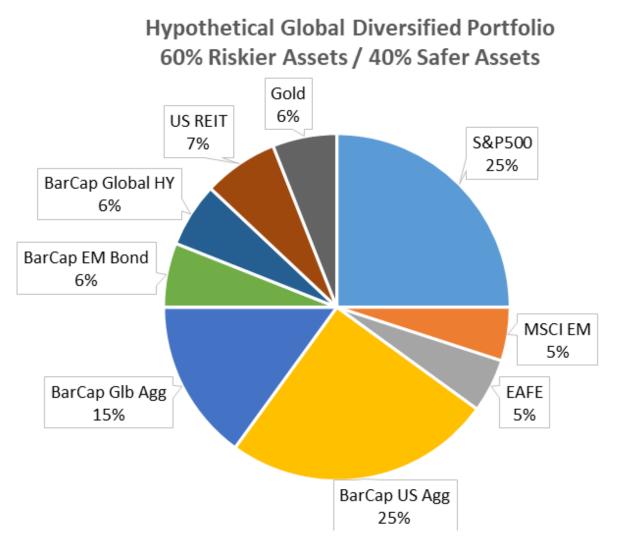
#### Source: Compounding Quality

# This is (Humble) Diversification

### Global Diversified Portfolio

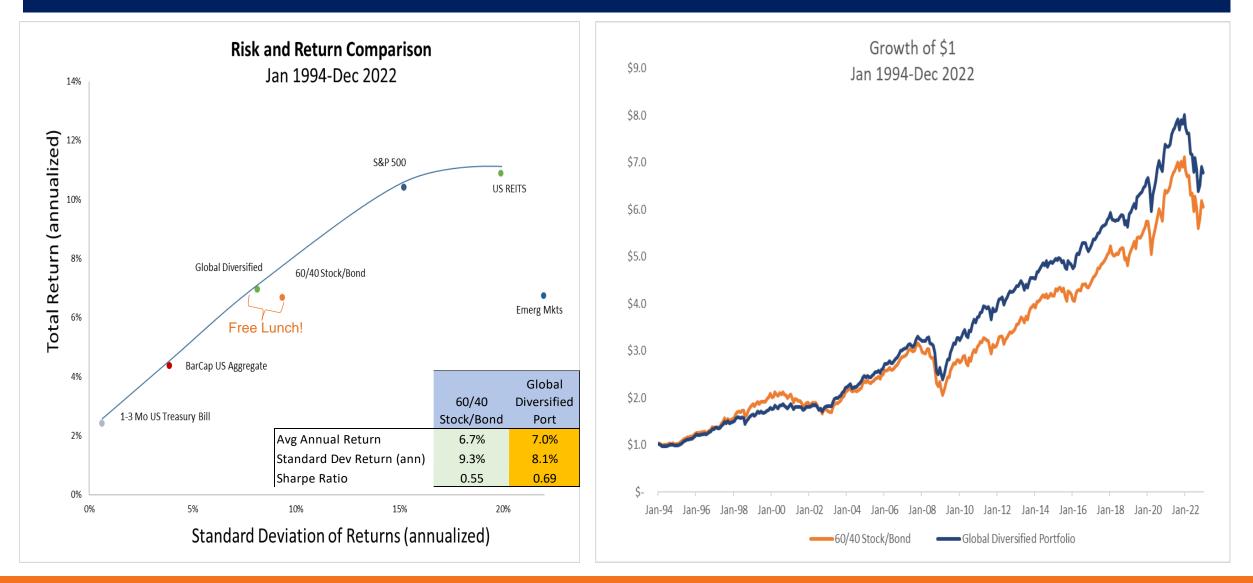
Uses major global asset classes: Stocks Bonds Real Assets

Publicly traded, liquid assets



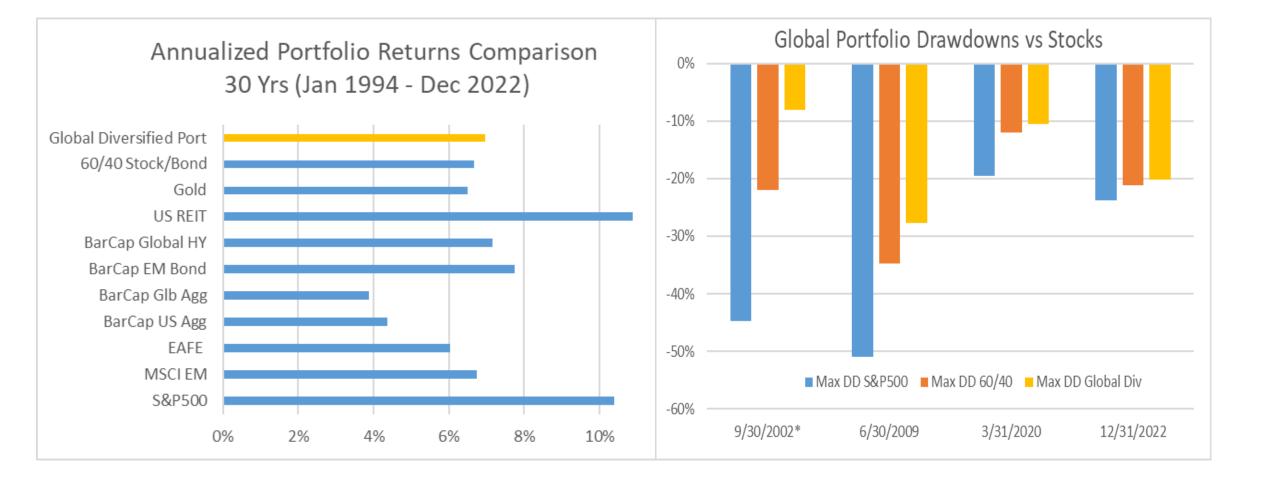
Hypothetical portfolio only. Whenever you invest, you are at risk of loss of principal as the market fluctuates. Past performance is not indicative of future results. Purchases are subject to suitability. This requires a review of an investor's objective, risk tolerance, and time horizons. Investing always involves risk and possible loss of capital.

# **Global Diversification: LT Performance**



Source: Author analysis, data from Bloomberg. Returns shown are annual total returns for various indexes and do not represent any actual Vesteer portfolio or strategy. The results are hypothetical, and are NOT an indicator of future results and do NOT represent returns that any investor actually attained. Indexes are unmanaged, do not reflect management or trading fees, and one cannot invest directly in an index. Whenever you invest, you are at risk of loss of principal as the market fluctuates. Past performance is not indicative of future results. Purchases are subject to suitability. This requires a review of an investor's objective, risk tolerance, and time horizons. Investing always involves risk and possible loss of capital.

## **Global Diversification May Help Soften the Blows**



Source: Author analysis, data from Bloomberg. Returns shown are annual total returns for various indexes and do not represent any actual Vesteer portfolio or strategy. The results are hypothetical, and are NOT an indicator of future results and do NOT represent returns that any investor actually attained. Indexes are unmanaged, do not reflect management or trading fees, and one cannot invest directly in an index. Whenever you invest, you are at risk of loss of principal as the market fluctuates. Past performance is not indicative of future results. Purchases are subject to suitability. This requires a review of an investor's objective, risk tolerance, and time horizons. Investing always involves risk and possible loss of capital.

## 3) Gently Rotate Asset Weights Over Time



- Harvest opportunities Like truffle hunting!
- Sow seeds of success now for 3yrs from now
- Be Humble! Balance portfolio risks

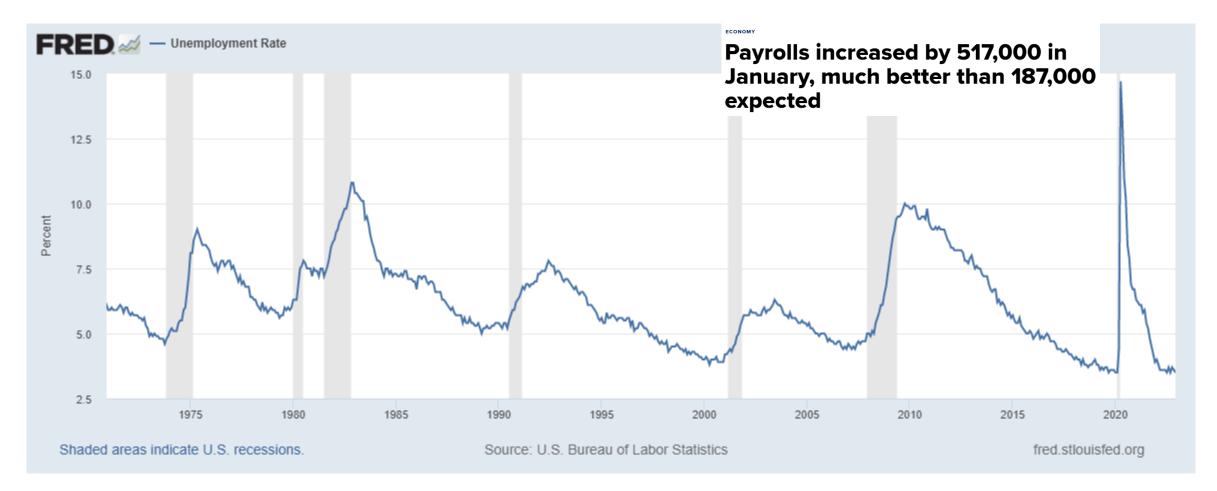
### APPENDIX

### UNIVERSITY VIRGINIA

# DARDEN

Richard A. Mayo Center for Asset Management

### Yet, Labor Market Remains Strong



- Unemployment at 50-year lows! Jan '23 = 3.4%
- Powell has said Fed will keep rates "higher for longer"
- Services sector still very strong, putting upward pressure on wages

### Housing Slowing Rapidly

Higher interest rates pulling down some sectors

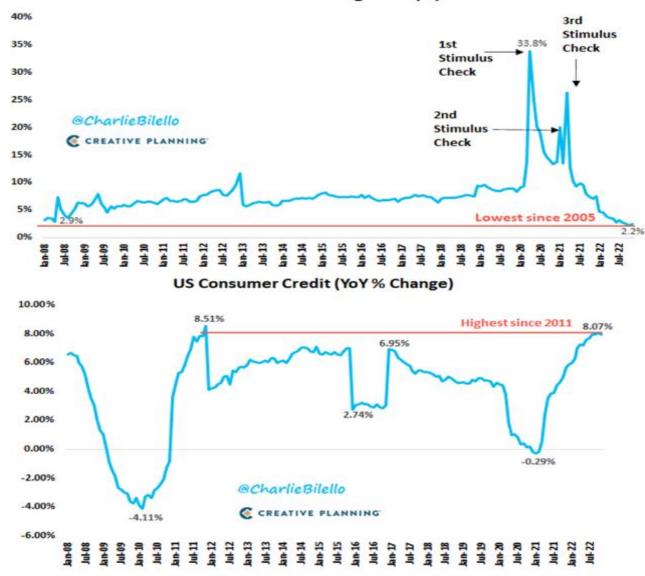


- Housing market is slowing rather dramatically
- Single family housing starts weaker than multifamily

Source: Kansas City Fed, Jan, 2023

#### **Consumers Are Stretched**

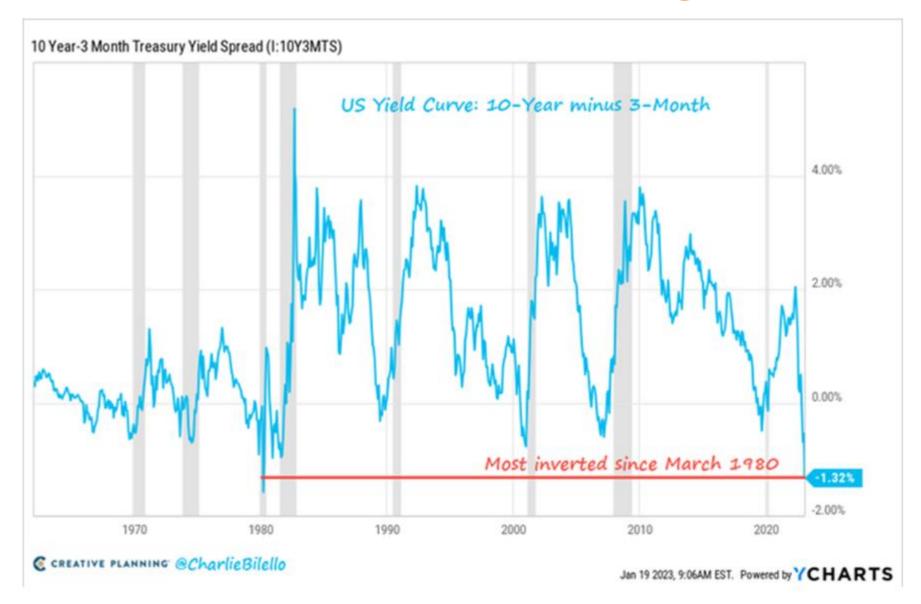
US Personal Savings Rate (%)



• Stimulus money is now running out...

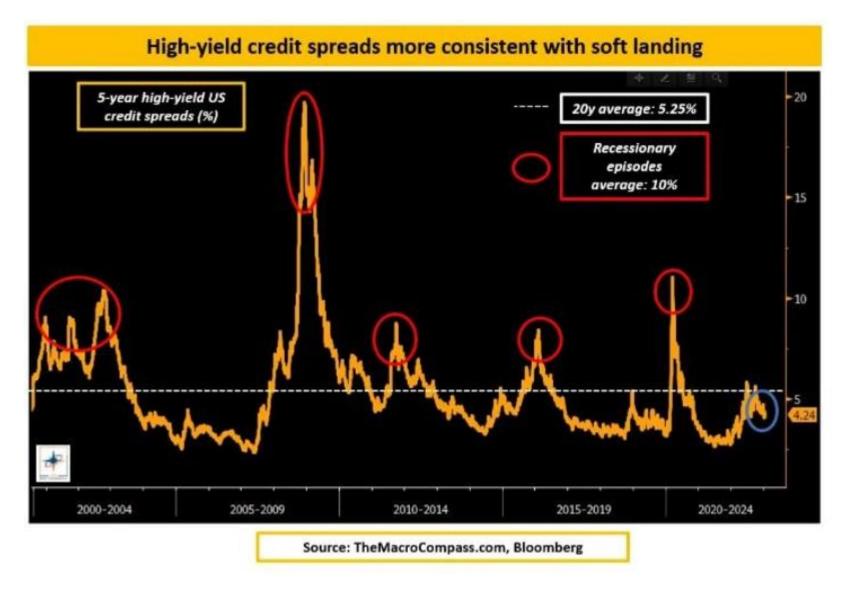
• ...and consumers are borrowing heavily again

### Are Bond Markets Forecasting Recession?



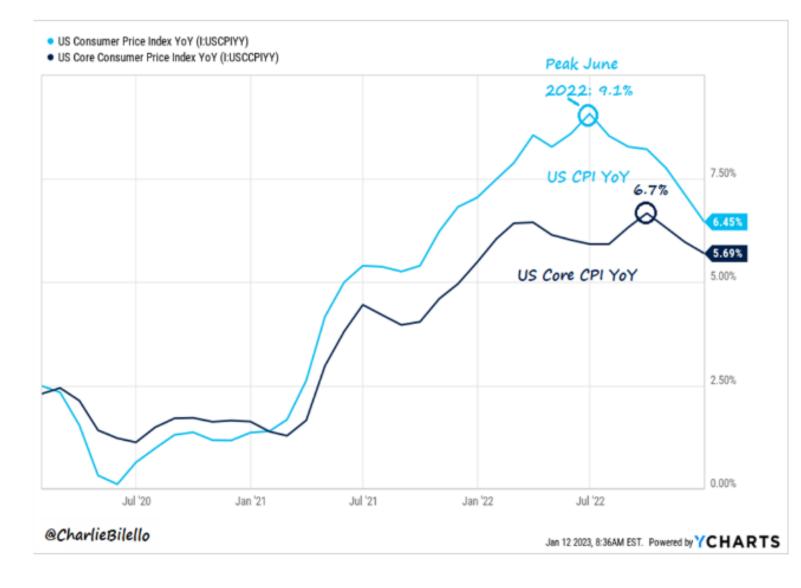
- Yield curve is most inverted in 40 yrs!
- So, bond market is pricing in certain recession, right?

### **Credit Spreads Are Not Expecting Recession**



- More consistent with a soft landing.
- Will this forecast be correct?

### **A Disinflation Story**

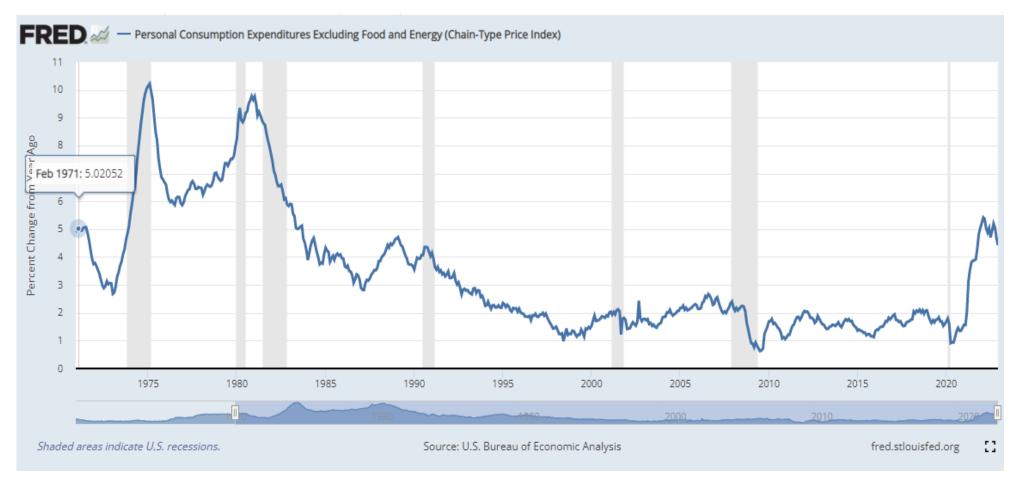


.. Inflation is indeed falling rapidly

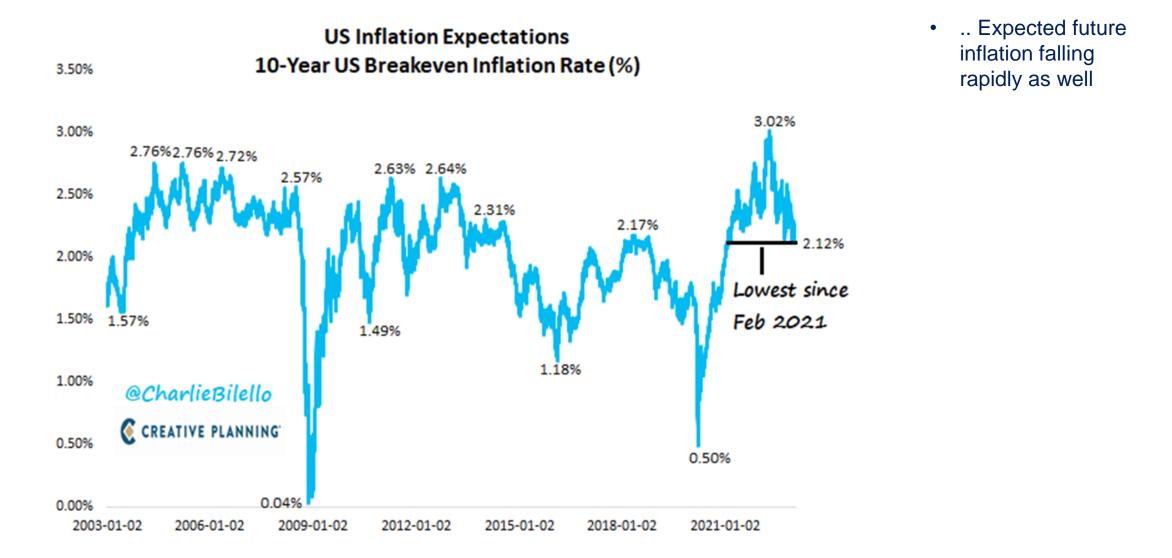
Î

### Higher Prices Not Just Food and Energy

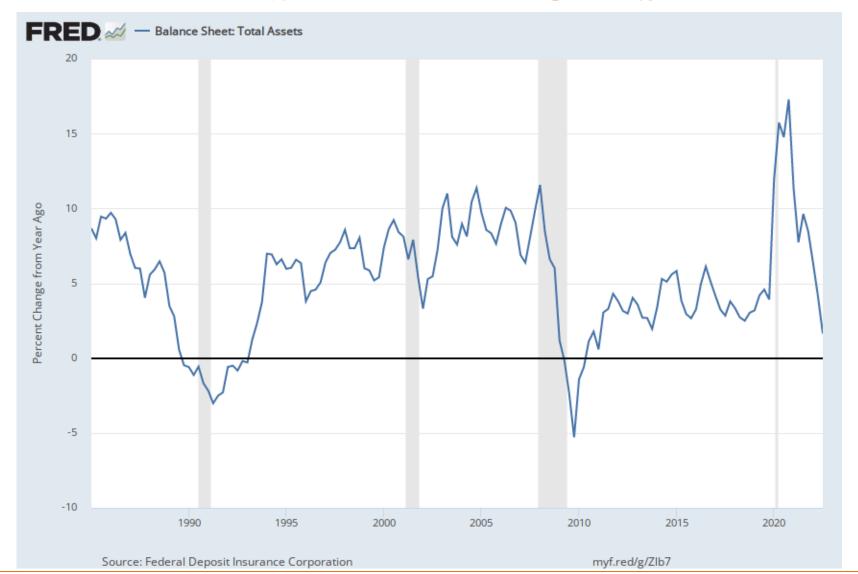
#### PCE Excluding Food and Energy



#### What are Markets saying about inflation?

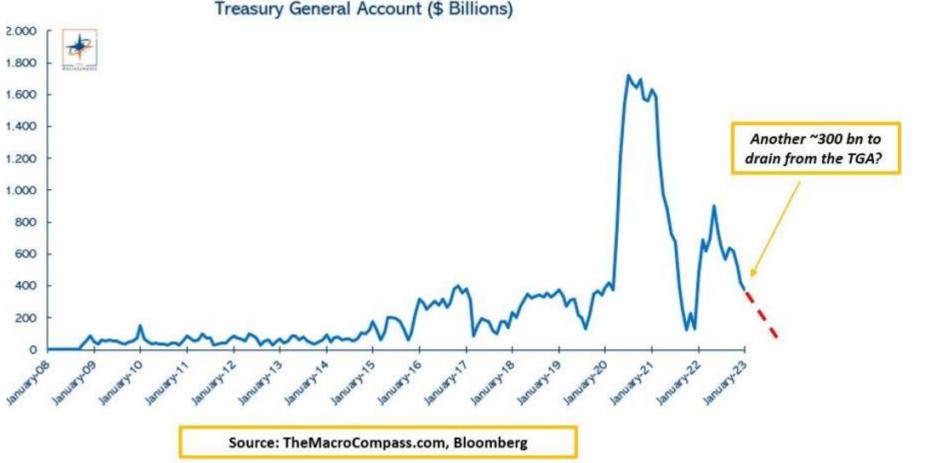


### Fed's "Grand Experiment" Continues Now Rapidly Draining Liquidity



- Quantitative
  Tightening
  (QT)
- What will impact be on economy and markets?

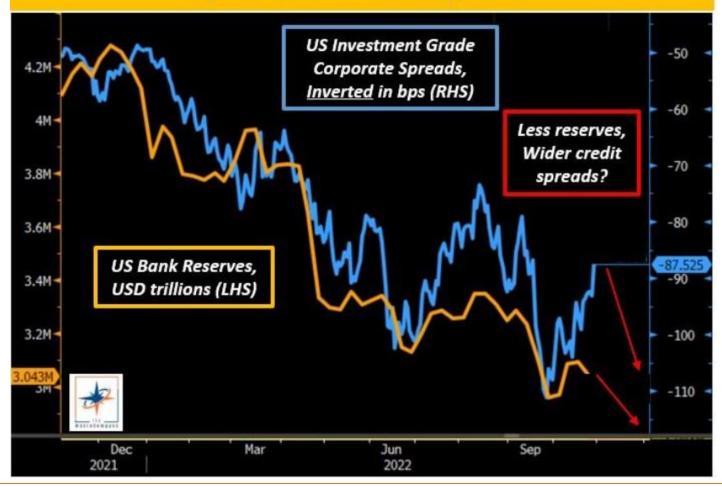
### Treasury is Dampening the Liquidity Drain, for Now



- UST removing \$300B from the TGA, softening the negative impact of QT
- How much longer can TGA dampen the blow?
- Will this lead to a nasty surprise reduction in liquidity (bank reserves)?

### Will Investor Risk Appetite Fade as FRB Removes Liquidity?

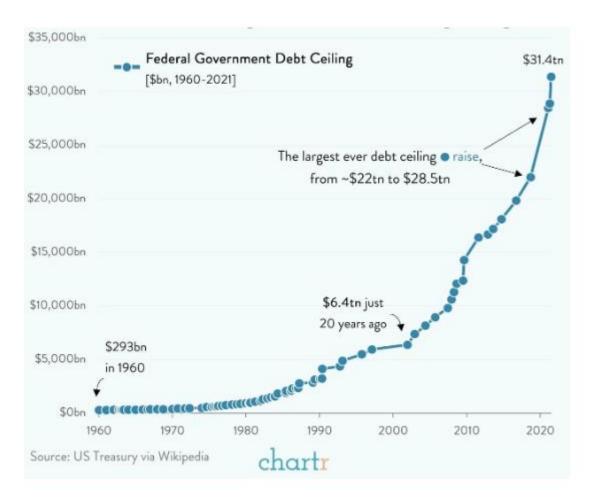
#### With less reserves in the system, investors will be more prudent when taking risks



 Will risk appetite among investors wane?

### Another Debt Ceiling Crisis?

#### A History of the US Debt Ceiling



- The U.S. federal government has reached its debt ceiling.
- The cost of insuring against a U.S. default has jumped.
- Will the U.S. actually default?
- What are consequences for the markets?

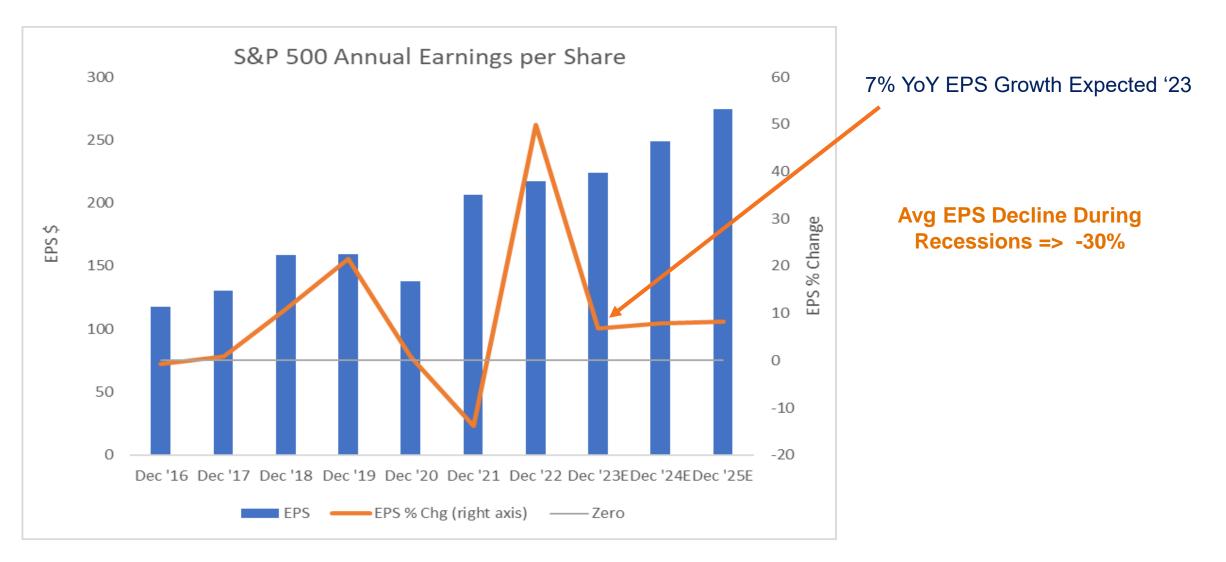


### Debt Ceiling Crisis: What is Market Saying?



- Previous debt ceiling events have always made headlines, but they have never had a major impact on medium/long-term stock performance.
- In episodes of debt ceiling debate, including 1995, 2011 and 2013, markets reached higher levels in the 12 months following the debt ceiling resolution.
- Markets are driven more by economic fundamentals and earnings than by the vagaries of U.S. politics.

#### **Corporate Earnings Slowing, More to Come?**

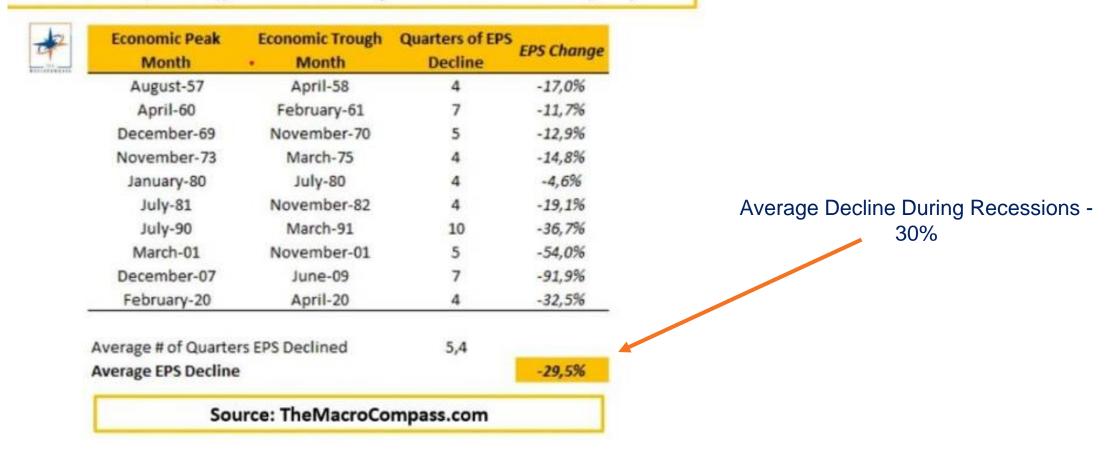


#### Source: Factset, data pulled Jan 28, 2023

Whenever you invest, you are at risk of loss of principal as the market fluctuates. Past performance is not indicative of future results. Purchases are subject to suitability. This requires a review of an investor's objective, risk tolerance, and time horizons. Investing always involves risk and possible loss of capital.

#### **Corporate Earnings During Recessions**

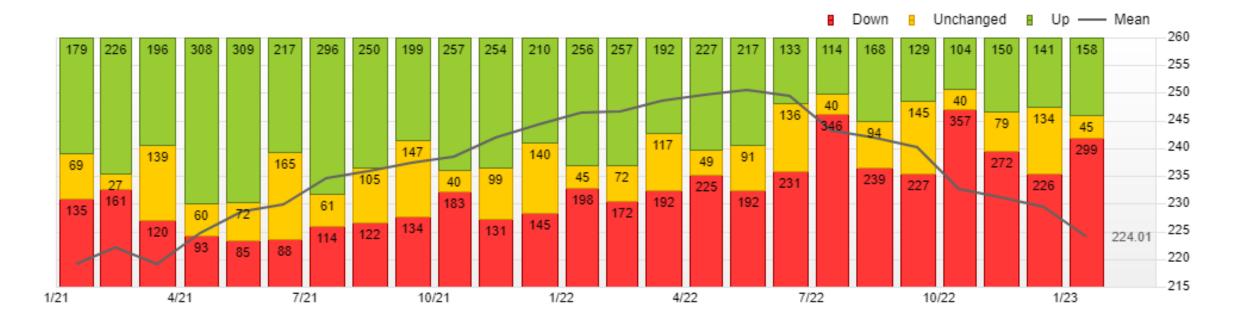
#### In a recession, earnings decline for 5 quarters and on average by 30%





#### **Forecasted Earnings Falling Since Mid-2022**



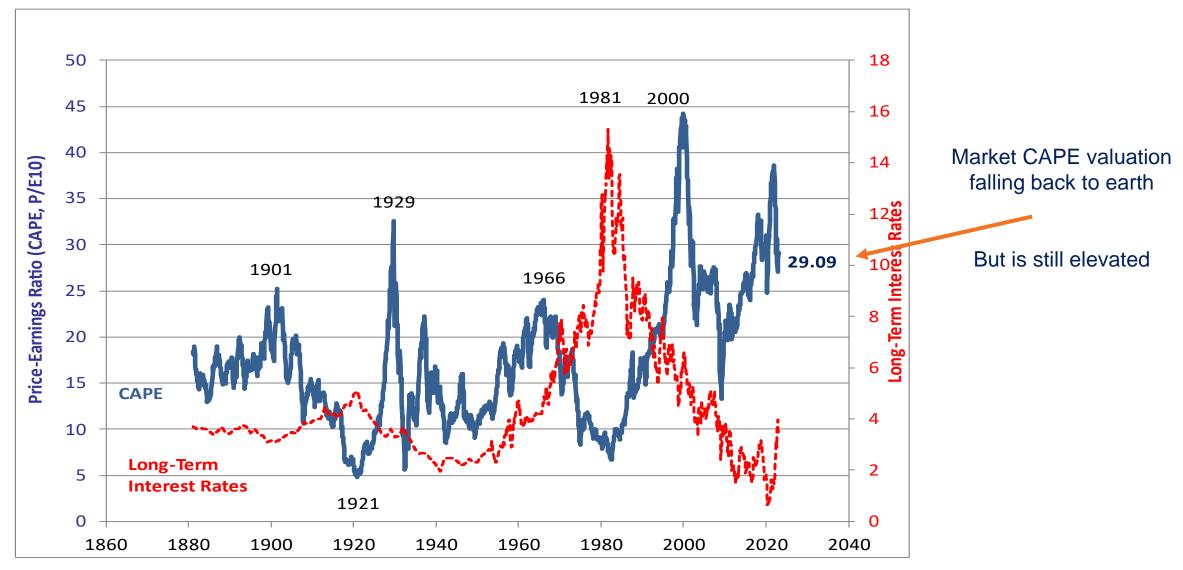


- EPS estimates continue to fall
- Down revisions on the rise

Source: Factset, data pulled Jan 28, 2023

Whenever you invest, you are at risk of loss of principal as the market fluctuates. Past performance is not indicative of future results. Purchases are subject to suitability. This requires a review of an investor's objective, risk tolerance, and time horizons. Investing always involves risk and possible loss of capital.

#### **Current Market Valuation (Shiller P/E)**

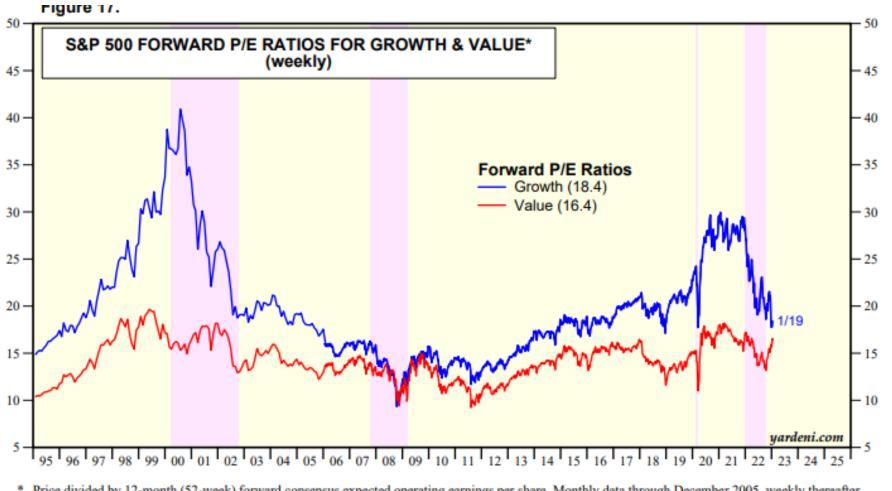


Source: Robert Shiller website

Whenever you invest, you are at risk of loss of principal as the market fluctuates. Past performance is not indicative of future results. Purchases are subject to suitability. This requires a review of an investor's objective, risk tolerance, and time horizons. Investing always involves risk and possible loss of capital.

#### **Growth vs Value P/E Valuation**

Relative Valuation of Growth vs Value



\* Price divided by 12-month (52-week) forward consensus expected operating earnings per share. Monthly data through December 2005, weekly thereafter. Note: Shaded red areas are S&P 500 bear market declines of 20% or more. Yellow areas are bull markets. Source: I/B/E/S data by Refinitiv.