



# **UFCW-Giant Variable Annuity Fund**

## **Master Consulting Services Report**

**Period Ended  
June 30, 2023**

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# Market Discussion

2Q | 2023



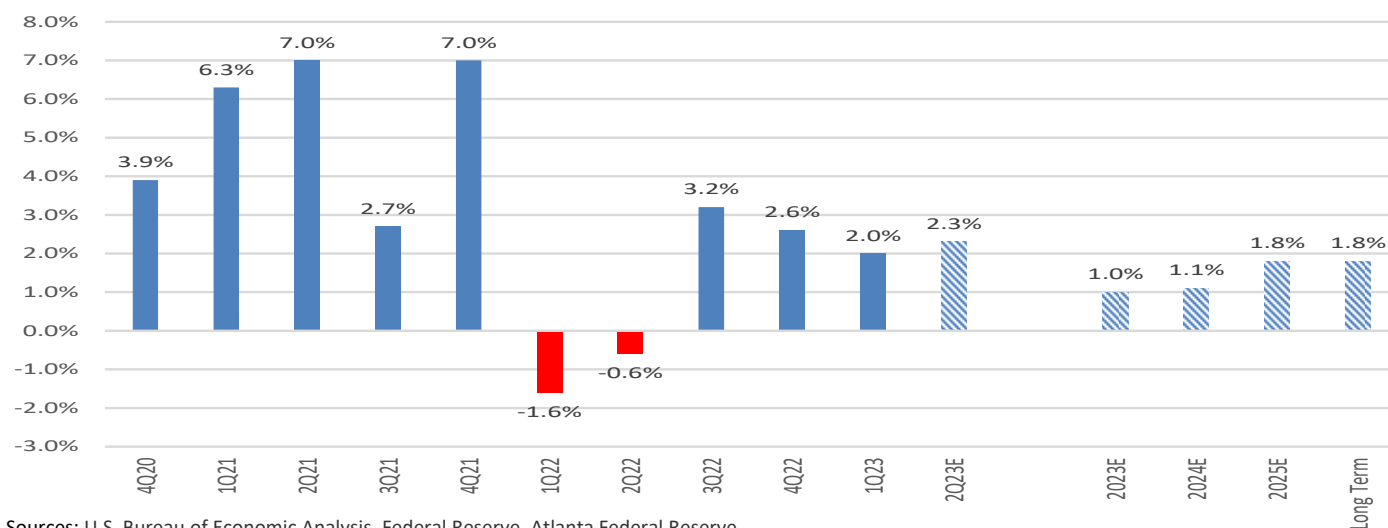
# Financial Market Performance

Periods Ending June 30, 2023

| Strategy            | Sector            | Index                              | QTR   | YTD   | 2022   | 2021  | 2020   | 2019  | 2018   | 2017  | 1-Yr   | 3-Yr  | 5-Yr  | 10-Yr | 20-Yr |
|---------------------|-------------------|------------------------------------|-------|-------|--------|-------|--------|-------|--------|-------|--------|-------|-------|-------|-------|
| Stocks              | US Large Cap      | S&P 500                            | 8.7%  | 16.9% | -18.1% | 28.7% | 18.4%  | 31.5% | -4.4%  | 21.8% | 19.6%  | 14.6% | 12.3% | 12.8% | 10.0% |
|                     | US Small Cap      | Russell 2000                       | 5.2%  | 8.1%  | -20.5% | 14.8% | 19.9%  | 25.5% | -11.0% | 14.6% | 12.3%  | 10.8% | 4.2%  | 8.2%  | 8.9%  |
|                     | All Country       | MSCI All Country World (net)       | 6.2%  | 13.9% | -18.4% | 18.5% | 16.3%  | 26.6% | -9.4%  | 24.0% | 16.5%  | 11.0% | 8.1%  | 8.7%  | 8.2%  |
|                     | Non-US Developed  | MSCI EAFE (net)                    | 3.0%  | 11.7% | -14.5% | 11.3% | 7.8%   | 22.0% | -13.8% | 25.0% | 18.8%  | 8.9%  | 4.4%  | 5.4%  | 6.5%  |
|                     | Emerging Markets  | MSCI EM (net)                      | 0.9%  | 4.9%  | -20.1% | -2.5% | 18.3%  | 18.4% | -14.6% | 37.3% | 1.7%   | 2.3%  | 0.9%  | 2.9%  | 8.2%  |
|                     | Int'l Small Cap   | MSCI EAFE Small Cap (net)          | 0.6%  | 5.5%  | -21.4% | 10.1% | 12.3%  | 25.0% | -17.9% | 33.0% | 10.2%  | 5.7%  | 1.3%  | 6.2%  | 8.3%  |
| Bonds               | Treasury          | Bloomberg US Govt                  | -1.4% | 1.6%  | -12.3% | -2.3% | 7.9%   | 6.8%  | 0.9%   | 2.3%  | -2.1%  | -4.7% | 0.5%  | 1.0%  | 2.5%  |
|                     | Broad Market      | Bloomberg Aggregate                | -0.8% | 2.1%  | -13.0% | -1.5% | 7.5%   | 8.7%  | 0.0%   | 3.5%  | -0.9%  | -4.0% | 0.8%  | 1.5%  | 3.0%  |
|                     | Intermediate      | Bloomberg Gov/Credit Int.          | -0.8% | 1.5%  | -8.2%  | -1.4% | 6.4%   | 6.8%  | 0.9%   | 2.1%  | -0.1%  | -2.5% | 1.2%  | 1.4%  | 2.7%  |
|                     | High Yield        | Bloomberg HY BaB 2% IC             | 1.4%  | 4.8%  | -10.6% | 4.6%  | 7.7%   | 15.2% | -1.9%  | 6.9%  | 8.9%   | 2.6%  | 3.7%  | 4.5%  | 6.3%  |
|                     | Short Duration HY | ICE BofA 1-3 Yrs BB US Cash Pay HY | 1.3%  | 3.6%  | -3.1%  | 3.2%  | 5.4%   | 8.7%  | 1.3%   | 3.6%  | 7.1%   | 3.4%  | 3.7%  | 3.9%  | 5.4%  |
|                     | Global Bonds      | FTSE WGBI                          | -1.8% | 1.7%  | -18.3% | -7.0% | 10.1%  | 5.9%  | -0.8%  | 7.5%  | -2.5%  | -6.5% | -2.0% | -0.5% | 2.1%  |
| GTAA                | Unconstrained     | 65% MSCI World /35% FTSE WGBI      | 3.8%  | 10.3% | -18.1% | 11.0% | 14.6%  | 19.9% | -5.8%  | 17.0% | 10.9%  | 5.5%  | 5.4%  | 6.1%  | 6.4%  |
| Real Estate         | Core              | NCREIF ODCE Equal Weighted (net)   | -3.0% | -6.4% | 7.6%   | 21.9% | 0.8%   | 5.2%  | 7.3%   | 6.9%  | -10.5% | 7.6%  | 6.1%  | 8.1%  | 6.9%  |
| Hedge Fund of Funds | Diversified FOFs  | HFRI FOF Composite                 | 1.4%  | 2.2%  | -5.3%  | 6.2%  | 10.9%  | 8.4%  | -4.0%  | 7.8%  | 3.6%   | 5.0%  | 3.3%  | 3.4%  | 3.6%  |
|                     | Equity Long-Short | HFRI Equity Hedge                  | 2.9%  | 5.5%  | -10.1% | 11.7% | 17.9%  | 13.7% | -7.1%  | 13.3% | 7.4%   | 8.9%  | 5.4%  | 5.6%  | 5.9%  |
| Commodities         | Commodities       | Goldman Sachs Commodity            | -2.7% | -7.5% | 26.0%  | 40.4% | -23.7% | 17.6% | -13.8% | 5.8%  | -14.2% | 25.1% | 2.8%  | -3.5% | -0.9% |

# U.S. Economy

U.S. GDP Growth



Sources: U.S. Bureau of Economic Analysis, Federal Reserve, Atlanta Federal Reserve

US Net Percentage of Banks Reporting Tightening Standards for C&I Loans to Large and Middle-market Firms



Date Range: 06/30/1990 - 06/30/2023  
Source: Federal Reserve

Jul 17 2023, 10:07AM EDT, Powered by YCHARTS

## U.S. Economy Remains Resilient

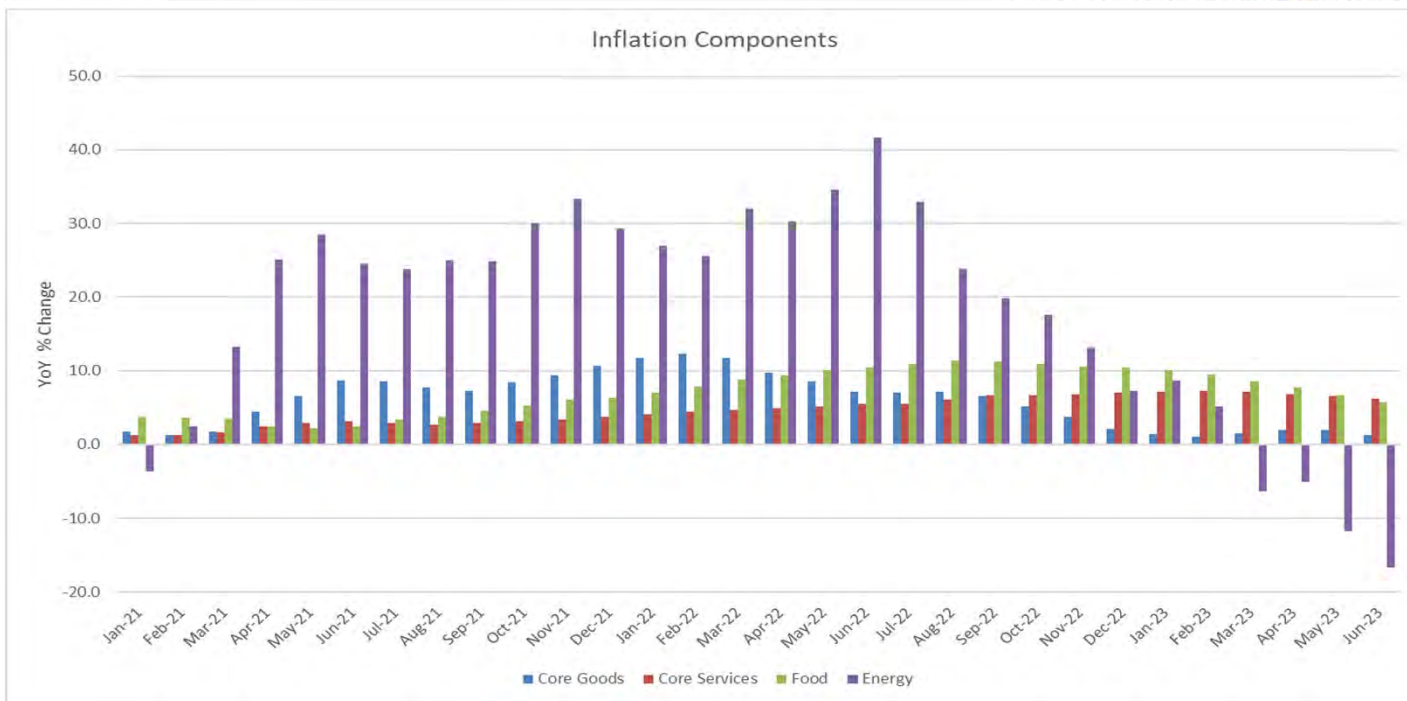
- Despite widespread predictions at the start of the year that a recession was imminent, U.S. economic growth has remained positive, with GDP increasing by 2.0% in Q1 2023.
- As of July 10, 2023, the Atlanta Fed GDPNow model is forecasting 2.3% growth in Q2 2023.
- In their most recent projections, the U.S. Federal Reserve expects economic growth to slow to 1.0% for the full year of 2023, 1.1% in 2024, 1.8% in 2025 and 1.8% over the long-term.
- One of the drivers of the expectation for slowing growth is a reduced availability of credit, as lending standards have tightened since Q2 2023 following the collapse of three U.S. banks. Tighter lending standards will reduce available credit and are likely to negatively impact economic growth.

# U.S. Economy



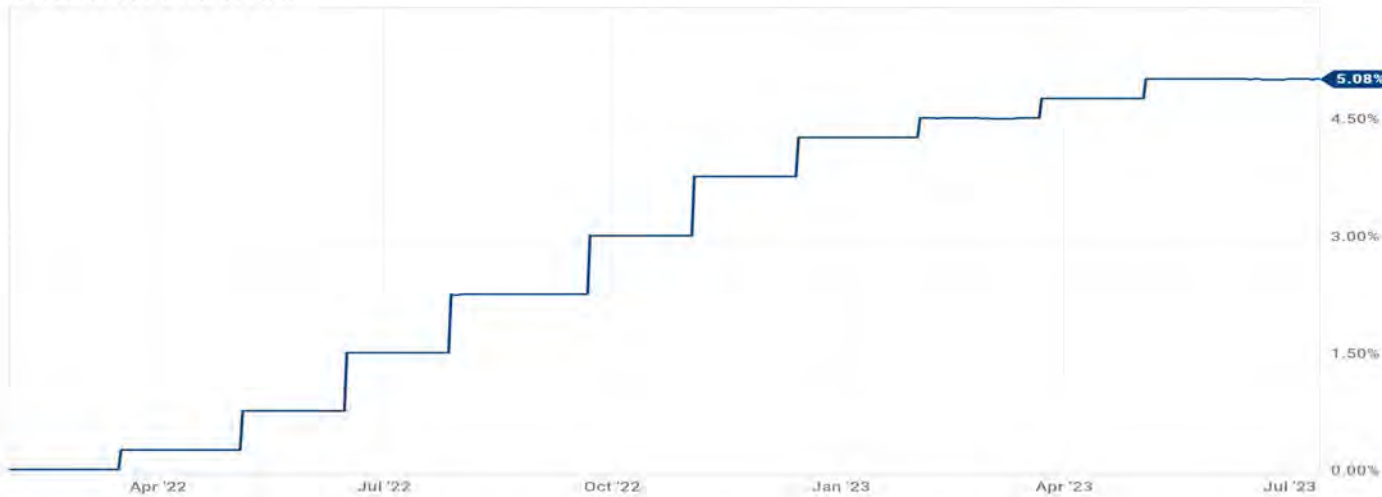
## Inflation Continues Downward Trend but Remains Above Target

- Year-over-year CPI was 3.0% in June, the lowest level since March 2021.
- Excluding food and energy, core inflation increased by 4.9% vs. a year ago, the lowest level since October 2021.
- A decline in energy prices vs. one year ago was the largest driver of the recent decline in headline inflation.
- Year-over-year core goods inflation was 1.3% as used car prices declined for eight consecutive quarters.
- Service inflation remains elevated, driven by the shelter component, which tends to lag real time prices.
- PCE, the Fed's preferred inflation measure, increased by 4.6% over the last year through May. PCE has been in a range of 4.6% to 4.7% since December 2022, down from the peak year-over-year growth of 5.4% in February 2022.



# U.S. Economy

Effective Federal Funds Rate



Date Range: 01/31/2022 - 07/13/2023

Source: Federal Reserve

Jul 17 2023, 10:00AM EDT. Powered by YCHARTS

US Total Assets Held by All Federal Reserve Banks



Date Range: 07/16/2003 - 07/12/2023

Source: Federal Reserve

Jul 17 2023, 10:02AM EDT. Powered by YCHARTS

## Fed Continues Efforts to Combat Inflation

- After increasing interest rates by 500 bps over the course of 2022 and the first three meetings of 2023, the U.S. Federal Reserve paused at the June 2023 meeting, leaving the effective Fed Funds Rate at 5.08%, the highest level since July 2007.
- Forward guidance from Fed officials suggests additional rate hikes in 2023 are likely.
- The reduction in the size of the Fed's balance sheet that began in 2022 was briefly interrupted in March 2023 when the Fed provided a liquidity injection to banks following three of the four largest bank failures in history.
- By the end of Q2 2023, the increase in the Fed's balance sheet was reversed and the quantitative tightening program resumed.

# U.S. Economy

## Employment Showing Signs of Slowing Momentum

- While the employment market has remained resilient despite the Federal Reserve's efforts to reduce inflation by raising interest rates, signs have appeared that momentum may be slowing.
- Weekly claims for unemployment averaged 240,000 in Q2 2023, compared to an average of 214,000 for calendar year 2022.
- Despite recent rising claims, the overall employment market remains tight, with 30 consecutive months of job gains and an unemployment rate close to a 50-year low.
- Job openings in the U.S. declined below 10 million for the first time since May 2021; however, they remain elevated by historical standards.

• US Initial Claims for Unemployment Insurance



• US Unemployment Rate



• US Job Openings: Total Nonfarm



Date Range: 07/20/2013 - 07/08/2023

Sources: DoL, BLS

Jul 17 2023, 10:03AM EDT. Powered by **YCHARTS**

# U.S. Equity Market

| Sector       | Index                  | 2Q23  | YTD   | 2022   | 2021  | 2020  | 2019  | 2018   | 2017  | 1-Year | 3-Year | 5-Year | 10-Year |
|--------------|------------------------|-------|-------|--------|-------|-------|-------|--------|-------|--------|--------|--------|---------|
| Large Cap    | S&P 500                | 8.7%  | 16.9% | -18.1% | 28.7% | 18.4% | 31.5% | -4.4%  | 21.8% | 19.6%  | 14.6%  | 12.3%  | 12.8%   |
|              | Russell 1000           | 8.6%  | 16.7% | -19.1% | 26.4% | 21.0% | 31.4% | -4.8%  | 21.7% | 19.3%  | 14.1%  | 11.9%  | 12.6%   |
|              | Russell 1000 Value     | 4.1%  | 5.1%  | -7.6%  | 25.1% | 2.8%  | 26.5% | -8.3%  | 13.6% | 11.5%  | 14.3%  | 8.1%   | 9.2%    |
|              | Russell 1000 Growth    | 12.8% | 29.0% | -29.1% | 27.6% | 38.5% | 36.4% | -1.5%  | 30.2% | 27.1%  | 13.7%  | 15.1%  | 15.7%   |
| Mid Cap      | Russell Mid-Cap        | 4.8%  | 9.0%  | -17.3% | 22.6% | 17.1% | 30.5% | -9.1%  | 18.5% | 14.9%  | 12.5%  | 8.5%   | 10.3%   |
|              | Russell Mid-Cap Value  | 3.9%  | 5.2%  | -12.1% | 28.3% | 5.0%  | 27.0% | -12.3% | 13.3% | 10.5%  | 15.0%  | 6.8%   | 9.0%    |
|              | Russell Mid-Cap Growth | 6.2%  | 15.9% | -26.7% | 12.7% | 35.6% | 35.5% | -4.8%  | 25.3% | 23.1%  | 7.6%   | 9.7%   | 11.5%   |
| Small Cap    | Russell 2000           | 5.2%  | 8.1%  | -20.5% | 14.8% | 19.9% | 25.5% | -11.0% | 14.6% | 12.3%  | 10.8%  | 4.2%   | 8.2%    |
|              | Russell 2000 Value     | 3.2%  | 2.5%  | -14.5% | 28.2% | 4.6%  | 22.4% | -12.9% | 7.8%  | 6.0%   | 15.4%  | 3.5%   | 7.3%    |
|              | Russell 2000 Growth    | 7.0%  | 13.5% | -26.4% | 2.8%  | 34.6% | 28.4% | -9.3%  | 22.1% | 18.5%  | 6.1%   | 4.2%   | 8.8%    |
| Total Market | Wilshire 5000          | 8.4%  | 16.3% | -19.0% | 26.7% | 20.8% | 31.0% | -5.3%  | 21.0% | 19.1%  | 14.2%  | 11.7%  | 12.5%   |
|              | Russell 3000           | 8.4%  | 16.2% | -19.2% | 25.6% | 20.9% | 31.0% | -5.2%  | 21.1% | 18.9%  | 13.9%  | 11.4%  | 12.3%   |

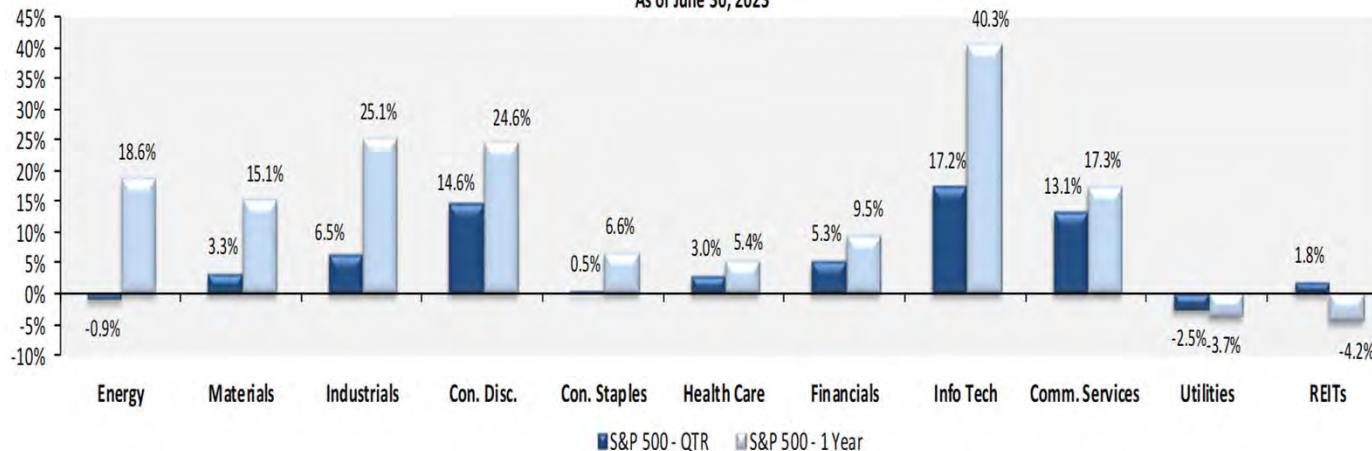
## Major Index Total Return as of June 30, 2023

| Asset Class             | Name                          | 1H 2023 | % off Low | % Off All Time High |
|-------------------------|-------------------------------|---------|-----------|---------------------|
| U.S. Large Cap          | S&P 500                       | 16.9%   | 25.8%     | -4.9%               |
| U.S. Mid Cap            | Russell Midcap                | 9.0%    | 19.1%     | -12.0%              |
| U.S. Smid Cap           | Russell 2500                  | 8.8%    | 17.3%     | -15.8%              |
| U.S. Small Cap          | Russell 2000                  | 8.1%    | 15.2%     | -20.8%              |
| International Large Cap | MSCI EAFE (gross)             | 12.1%   | 32.7%     | -5.8%               |
| International Small Cap | MSCI EAFE Small Cap (gross)   | 5.9%    | 24.8%     | -20.8%              |
| Emerging Markets        | MSCI Emerging Markets (gross) | 5.1%    | 19.9%     | -26.4%              |
| Global Equity           | MSCI World (gross)            | 15.4%   | 27.4%     | -5.5%               |

- U.S. stock market indices have surged ahead in 2023, overcoming regional bank turmoil, government debt ceiling brinkmanship, and higher interest rates.
- The S&P 500 index increased by 8.7% in Q2 2023 and 16.9% in 1H 2023, while an equal-weighted approach yielded only a 7% gain in the first half of the year. This 10% spread has primarily been driven by large, profitable growth stocks within the S&P 500 index.
- In 1H 2023, growth and high beta factors significantly outperformed dividend-focused factors, mainly due to the strong performance of the information technology (IT) sector. While IT remained dominant in the first five months, June marked a noticeable shift towards cyclicals, suggesting a potential improvement in economic activity.

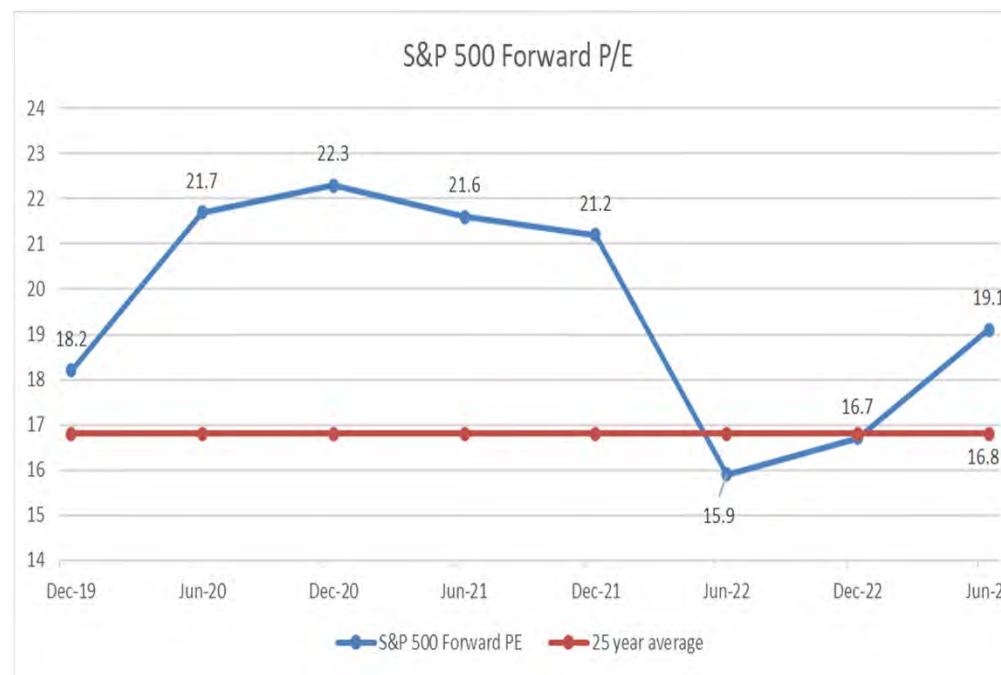
# U.S. Equity Market

S&P 500 Sector Performance  
As of June 30, 2023



## S&P 500 P/E Ratio Expands as Earnings Growth Stalls

- While analysts predict a meager 0.8% growth in S&P 500 earnings for the full year 2023, the index has produced strong gains. As a result, the index's price-to-earnings ratio (P/E) increased to 19.1x as of June 30, 2023. In essence, despite static earnings expectations, the higher S&P 500 index price has driven up the P/E ratio.



Source: J.P. Morgan Asset Management

## Information Technology Sector Soars while the S&P 500 Faces Earnings Decline

- The information technology sector achieved a remarkable 42.8% total return in 1H 2023, mainly driven by multiple expansion rather than substantial earnings growth. The information technology sector's strong performance can be attributed to its perceived safe-haven status amidst market uncertainty, potentially also influenced by artificial intelligence euphoria.
- In contrast, certain sectors including staples, financials, healthcare, energy, and utilities have experienced low to negative returns throughout this year. These sectors are categorized as "Low Volatility High Dividend," which has not proven favorable for investors in 2023.
- S&P 500 earnings are expected to decline by -7.2% in Q2 2023, marking the largest decline since Q2 2020. This would also extend the streak to three consecutive quarters with year-over-year decreases in earnings for the index.

# U.S. Equity Market

## Big Tech's Influence: 'Magnificent Seven' Drive S&P 500 Surge

- The "Magnificent Seven," a term recently coined by investors, comprises high-growth technology giants Alphabet (Google), Amazon, Apple, Meta Platforms (formerly known as Facebook), Microsoft, NVIDIA, and Tesla. Representing over 25% of the S&P 500, this group is responsible for 74% of the S&P 500 index's 16.9% year-to-date gains.

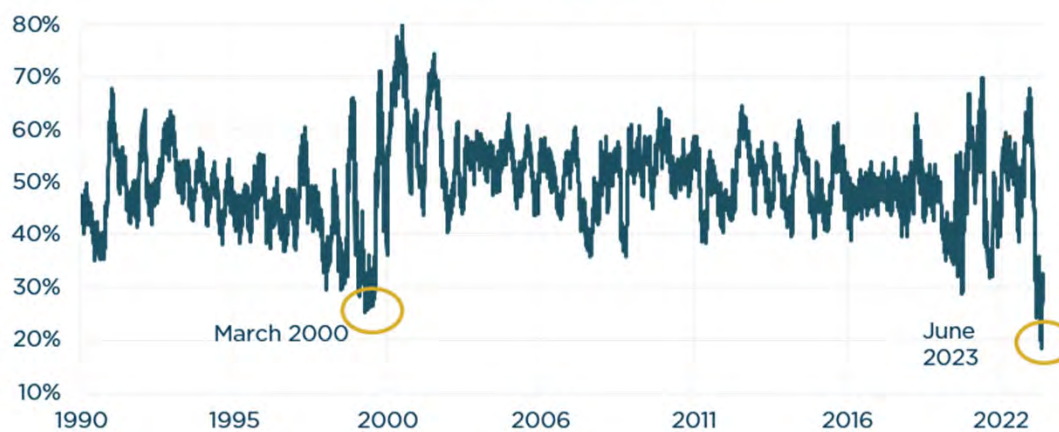
- In H1 2023, over 80% of the S&P 500 index returns can be traced back to only 10 securities, highlighting the narrow market concept. While this concentration of returns among a select group of outperformers is not a new phenomenon, the contribution from the top 10 in 2023 is well above the historical median of 32% of the index's overall returns.

**Exhibit 1: 10 stocks typically account for 32% of the S&P 500's return each year**  
as of June 29, 2023; % contribution



Source: FactSet, Goldman Sachs Global Investment Research

## % Of S&P 500 Stocks Beating S&P 500 Index Over Trailing 3 Months



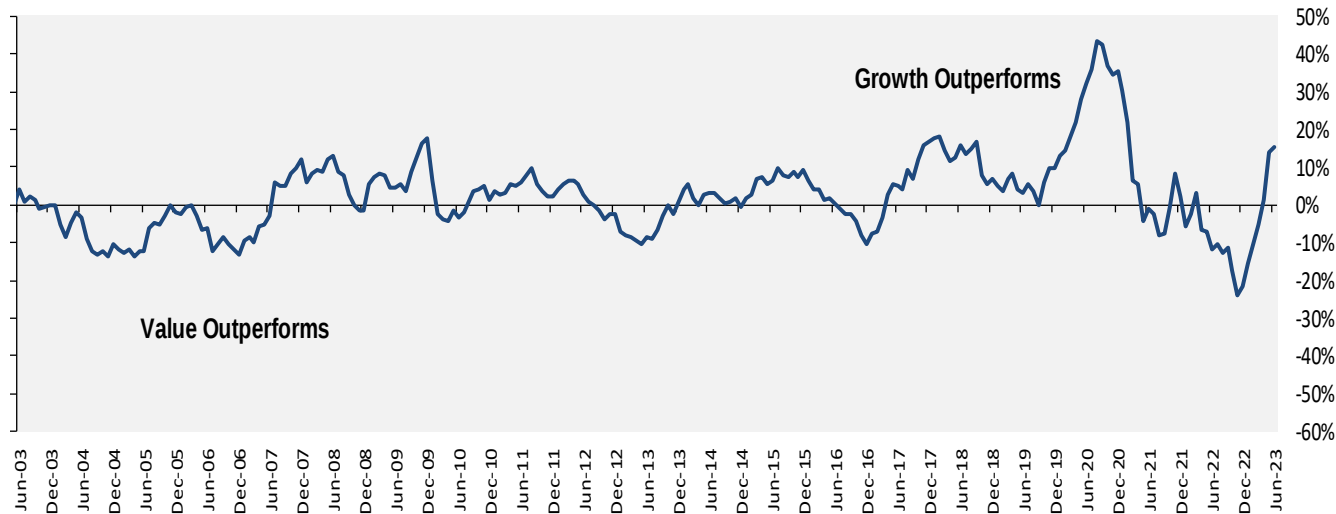
Source: Piper Sandler

## S&P 500's Lopsided Performance: AI Tech Stocks Leave Others Behind

- In early June, the S&P 500 witnessed a record-low percentage of stocks outperforming the index over the past three months, signaling considerable underperformance among its constituents. Although larger stocks typically exert greater influence on cap-weighted indexes, the notable extent of underperformance underscores potential concentration risks.
- The concentration in returns is largely driven by the excitement surrounding artificial intelligence (AI) and its transformative potential. Investors are favoring companies directly exposed to this technology, as seen with NVIDIA, whose stock surged 190% year-to-date, leading to a market capitalization surpassing \$1 trillion.

# U.S. Equity Market

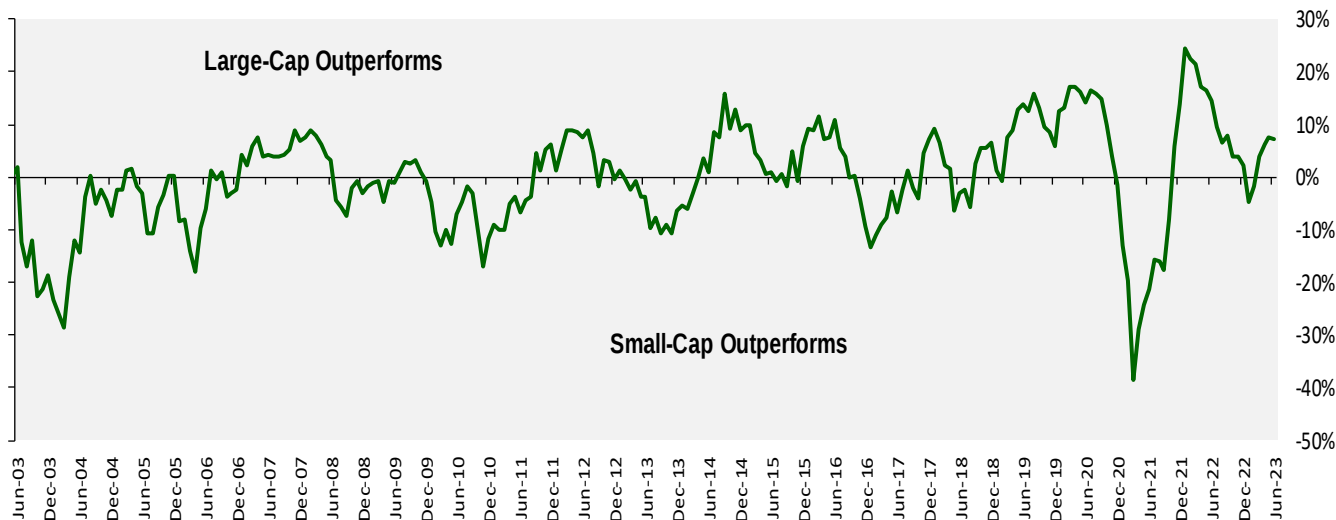
Russell 1000 Growth vs. Russell 1000 Value  
Rolling One-Year Returns



## Market Divergence Exposed: Russell Index Spread Signals Winners and Losers

- In the past six months, the Russell 1000 Growth Index has notably outperformed the Russell 1000 Value Index. This level of outperformance exceeded all but two rolling six-month periods since 1979. The prior instances occurred in early 2000, marking the end of the dot-com bubble, and in mid 2020, amidst government-mandated Covid-19 shutdowns.
- High beta, growth, and quality factors yielded higher returns, while high dividend and low volatility strategies have underperformed.
- The 2023 banking crisis heavily impacted small caps, particularly smaller regional players. In the Russell 2000, banks were the top-detracting industry for Q2 2023 and the first half of the year. Despite positive returns in Q2 2023 and the first half of 2023, the Russell 2000 index remained in a bear market, down -20.8% from its peak on 11/8/21 to 6/30/23.

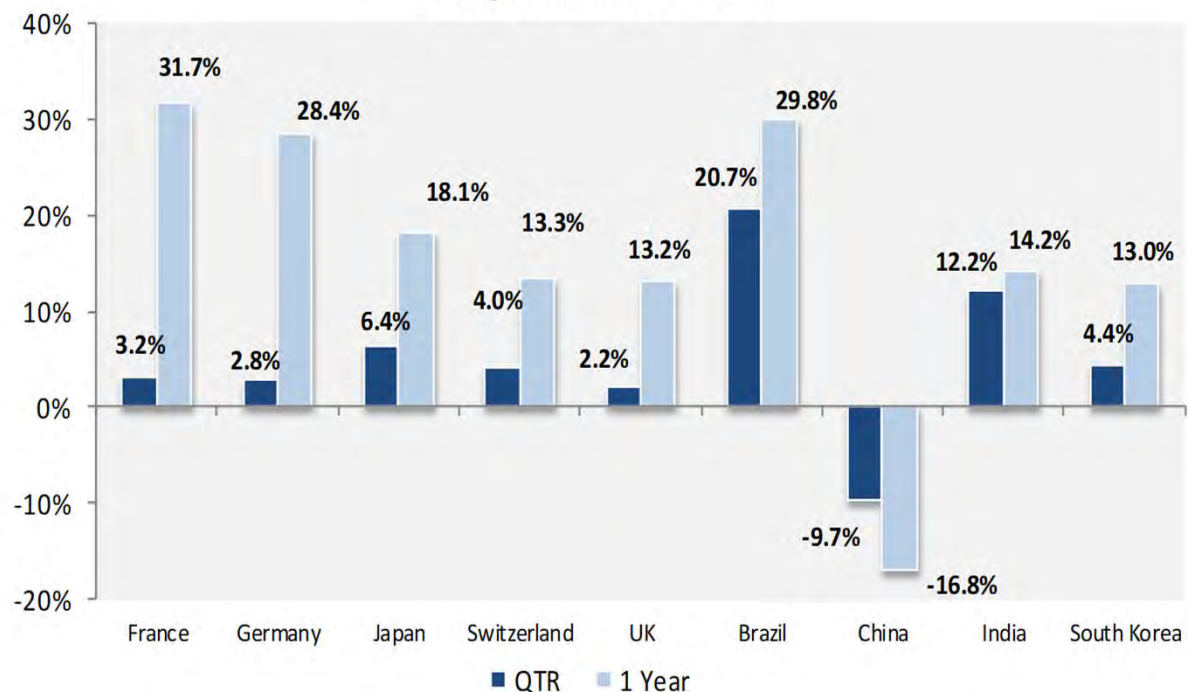
S&P 500 vs. Russell 2000  
Rolling One-Year Returns



# International Equity Market

| Sector           | Index                            | 2Q23 | YTD   | 2022   | 2021  | 2020  | 2019  | 2018   | 1-Year | 3-Year | 5-Year | 10-Year |
|------------------|----------------------------------|------|-------|--------|-------|-------|-------|--------|--------|--------|--------|---------|
| Global           | MSCI AC World Index (net)        | 6.2% | 13.9% | -18.4% | 18.5% | 16.3% | 26.6% | -9.4%  | 16.5%  | 11.0%  | 8.1%   | 8.8%    |
|                  | MSCI World Small Cap (net)       | 3.2% | 7.6%  | -18.8% | 15.8% | 16.0% | 26.2% | -13.9% | 12.9%  | 10.4%  | 4.4%   | 7.9%    |
|                  | MSCI World ex US (net)           | 3.0% | 11.3% | -14.3% | 12.6% | 7.6%  | 22.5% | -14.1% | 17.4%  | 9.3%   | 4.6%   | 5.4%    |
|                  | MSCI World ex US Small Cap (net) | 0.5% | 5.5%  | -20.6% | 11.1% | 12.8% | 25.4% | -18.1% | 10.0%  | 6.4%   | 1.8%   | 6.0%    |
| Developed ex US  | MSCI EAFE (net)                  | 3.0% | 11.7% | -14.5% | 11.3% | 7.8%  | 22.0% | -13.8% | 18.8%  | 8.9%   | 4.4%   | 5.4%    |
|                  | MSCI EAFE Value (net)            | 3.2% | 9.3%  | -5.6%  | 10.9% | -2.6% | 16.1% | -14.8% | 17.4%  | 11.3%  | 2.9%   | 4.1%    |
|                  | MSCI EAFE Growth (net)           | 2.8% | 14.2% | -22.9% | 11.3% | 18.3% | 27.9% | -12.8% | 20.2%  | 6.3%   | 5.4%   | 6.4%    |
|                  | MSCI EAFE Small Cap (net)        | 0.6% | 5.5%  | -21.4% | 10.1% | 12.3% | 25.0% | -17.9% | 10.2%  | 5.7%   | 1.3%   | 6.2%    |
| Emerging Markets | MSCI Emerging Markets (net)      | 0.9% | 4.9%  | -20.1% | -2.5% | 18.3% | 18.4% | -14.6% | 1.8%   | 2.3%   | 0.9%   | 2.9%    |

Foreign Markets Returns



- European indices mostly rose in Q2 2023, led by financials and IT sectors. Semiconductor stocks fueled IT growth. Banks outperformed as the ECB raised interest rates twice.
- The TOPIX and Nikkei 225 indices in Japan reached their highest levels since 1989 in Q2 2023. Reasons contributing to this resurgence include the delayed reopening of the Japanese economy after the pandemic, providing a cyclical boost, and the Tokyo Stock Exchange's increased focus on sustainable growth and enhanced corporate value which has brought about a needed long-term structural development.
- China's equity market slumped in Q2 2023 as the post-Covid economic rebound weakened. Factors such as reduced consumer spending, lower export demand, and interest rate hikes in the US and Europe impacted factory output and dampened investor sentiment.

# International Equity Market

ICE US Dollar Index Level



Date Range: 06/28/2013 - 06/30/2023

Jul 18 2023, 8:47AM EDT. Powered by YCHARTS

## Steady Dollar Index Relieves Pressure on International Markets

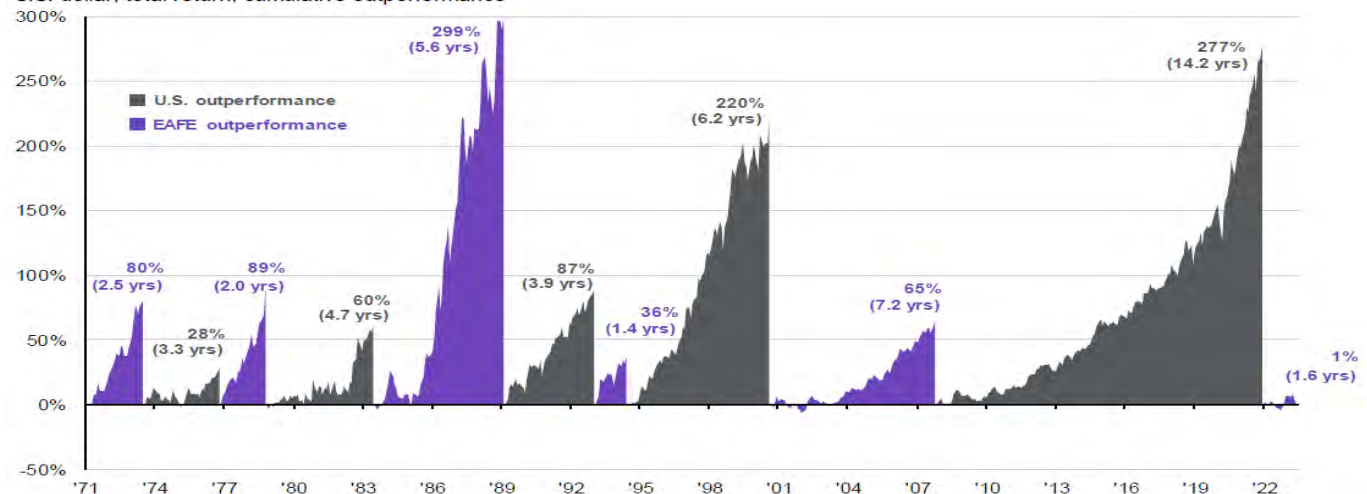
- Gold briefly traded at all-time highs in Q2 2023 on mounting U.S. banking concerns, attracting investors seeking safety. However, attention has shifted elsewhere after the regional banking turmoil in March and April.
- During Q2 2023, the US Dollar Index (DXY) exhibited minimal fluctuations, persistently staying well below its previous high, as numerous foreign central banks worked towards harmonizing their interest rates with the initial measures implemented by the U.S. Federal Reserve.

## Regime Change or Just a Pause?

- U.S. equity markets outperformed international markets by 277% in the past 14.2 years, marking the longest duration of outperformance in 50 years; however, this trend may have ended by the close of 2021.
- Over the past year and a half, international and U.S. markets had similar performance, with neither consistently overtaking the other.

## MSCI EAFE and MSCI USA relative performance

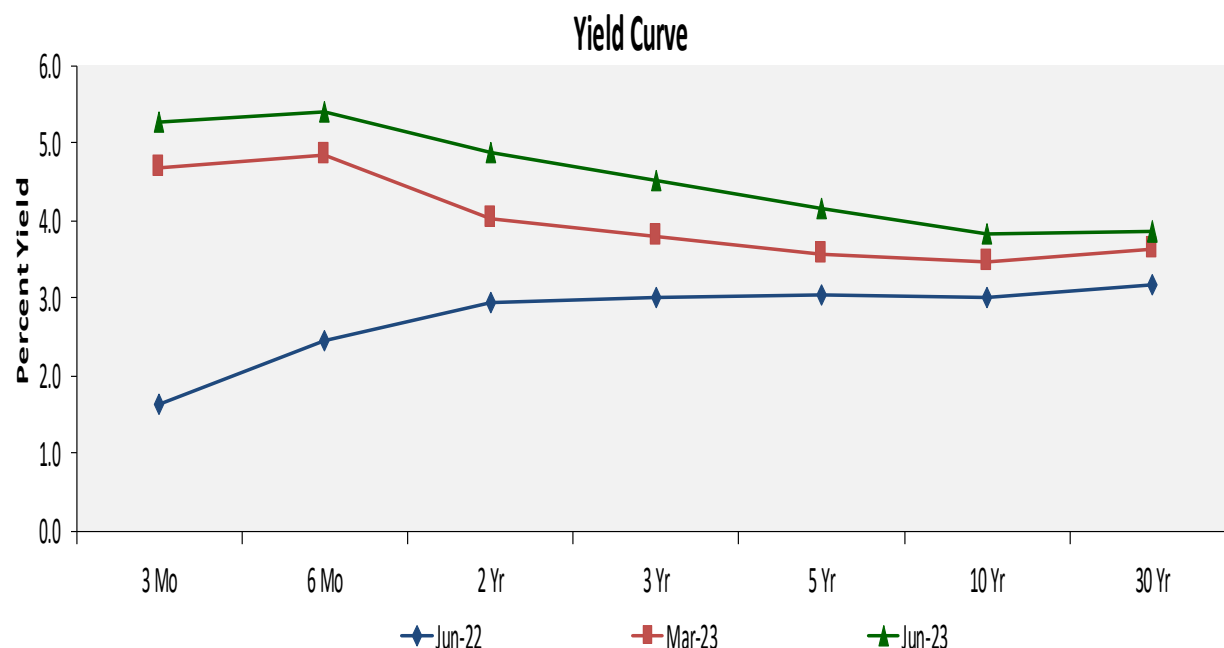
U.S. dollar, total return, cumulative outperformance



Source: J.P. Morgan Asset Management

# Bond Market

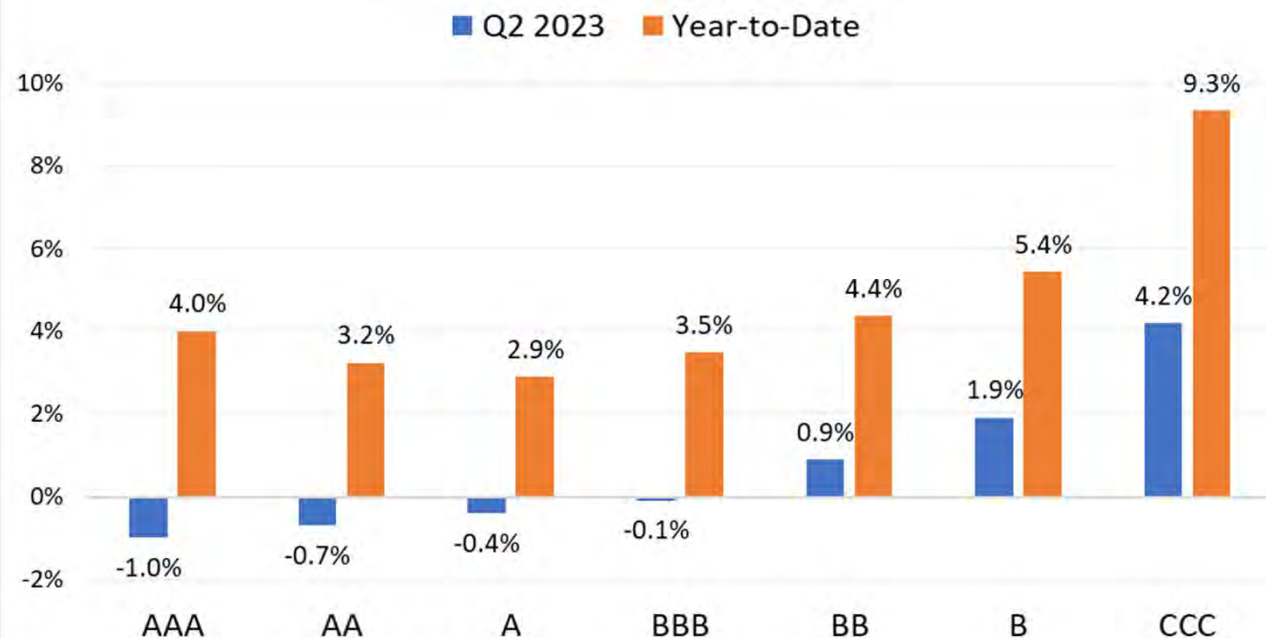
| Index                              | Duration<br>(years) | Yield | 2Q23  | YTD  | 2022   | 2021  | 2020  | 2019  | 2018  | 1-Year | 3-Year | 5-Year | 10-Year |
|------------------------------------|---------------------|-------|-------|------|--------|-------|-------|-------|-------|--------|--------|--------|---------|
| Bloomberg Aggregate                | 6.5                 | 4.81% | -0.8% | 2.1% | -13.0% | -1.5% | 7.5%  | 8.7%  | 0.0%  | -0.9%  | -4.0%  | 0.8%   | 1.5%    |
| Bloomberg Govt/Credit              | 6.7                 | 4.80% | -0.9% | 2.2% | -13.6% | -1.7% | 8.9%  | 9.7%  | -0.4% | -0.7%  | -4.1%  | 1.0%   | 1.7%    |
| Bloomberg Int Agg                  | 4.8                 | 4.82% | -0.7% | 1.6% | -9.5%  | -1.3% | 5.6%  | 6.7%  | 0.9%  | -0.6%  | -2.9%  | 0.8%   | 1.3%    |
| Bloomberg Int Govt/Credit          | 3.9                 | 4.81% | -0.8% | 1.5% | -8.2%  | -1.4% | 6.4%  | 6.8%  | 0.9%  | -0.1%  | -2.5%  | 1.2%   | 1.4%    |
| Bloomberg U.S. Corporate           | 7.4                 | 5.48% | -0.3% | 3.2% | -15.8% | -1.0% | 9.9%  | 14.5% | -2.5% | 1.5%   | -3.4%  | 1.8%   | 2.6%    |
| Bloomberg HY Ba/B 2% IC            | 4.1                 | 7.82% | 1.4%  | 4.8% | -10.6% | 4.6%  | 7.7%  | 15.2% | -1.9% | 8.9%   | 2.6%   | 3.7%   | 4.5%    |
| ICE BofA 1-3 Yrs BB US Cash Pay HY | 1.8                 | 7.00% | 1.3%  | 3.6% | -3.1%  | 3.2%  | 5.4%  | 8.7%  | 1.3%  | 7.1%   | 3.4%   | 3.7%   | 3.9%    |
| Bloomberg Mortgage                 | 6.4                 | 4.78% | -0.6% | 1.9% | -11.8% | -1.0% | 3.9%  | 6.4%  | 1.0%  | -1.5%  | -3.7%  | 0.0%   | 1.1%    |
| Bloomberg Treasury                 | 6.3                 | 4.37% | -1.4% | 1.6% | -12.5% | -2.3% | 8.0%  | 6.9%  | 0.9%  | -2.1%  | -4.8%  | 0.4%   | 1.0%    |
| Bloomberg US TIPS                  | 6.8                 | 4.60% | -1.4% | 1.9% | -11.8% | 6.0%  | 11.0% | 8.4%  | -1.3% | -1.4%  | -0.1%  | 2.5%   | 2.1%    |
| BofA ML 91 day T-Bills             | 0.2                 | 5.30% | 1.2%  | 2.4% | 1.5%   | 0.0%  | 0.7%  | 2.3%  | 1.9%  | 3.7%   | 1.3%   | 1.6%   | 1.0%    |



- The U.S. treasury yield curve shifted higher in Q2 2023 as markets accepted the narrative that interest rates would remain higher for longer.
- The yield curve remains heavily inverted, reflecting a view that a slow-down in growth and/or lower levels of inflation will arrive at some point in the next 5-10 years.
- Returns for U.S. bond markets were mixed in Q2 2023. Riskier, higher yielding bonds outperformed while safer, longer duration bonds underperformed.
- Year-to-date, lower-quality credit has outperformed higher-quality credit, providing some evidence that investors are again adding risk back into portfolios.

# Bond Market

## Returns by Credit Rating



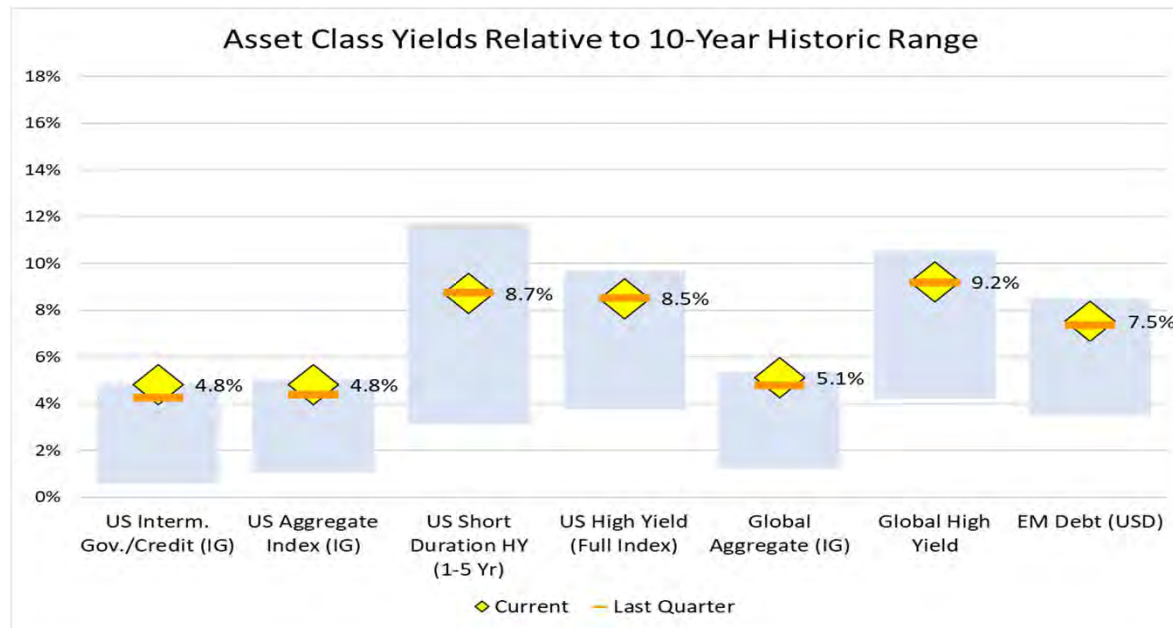
## Lower Quality Corporate Bonds Outperform

- High Yield corporate bonds generated positive returns in Q2 2023 while investment grade corporate bonds experienced losses for the quarter.
- Credit spreads tightened (bond prices increased) in Q2 2023 while interest rates rose. This caused longer duration bonds (investment grade) to underperform lower duration bonds (high yield) for the quarter.
- Riskier, lower-quality credit (single-B & CCC-rated) experienced the most spread tightening, providing some evidence that investors are adding more risk to portfolios.
- Year-to-date, CCC-rated bonds are outperforming by a wide margin. This is a reversal of CCC-rated spreads widening (bond prices down) in the 2<sup>nd</sup> half of 2022 while higher-rated bonds started experiencing spread tightening in Q3 2022.

## Bond Ratings

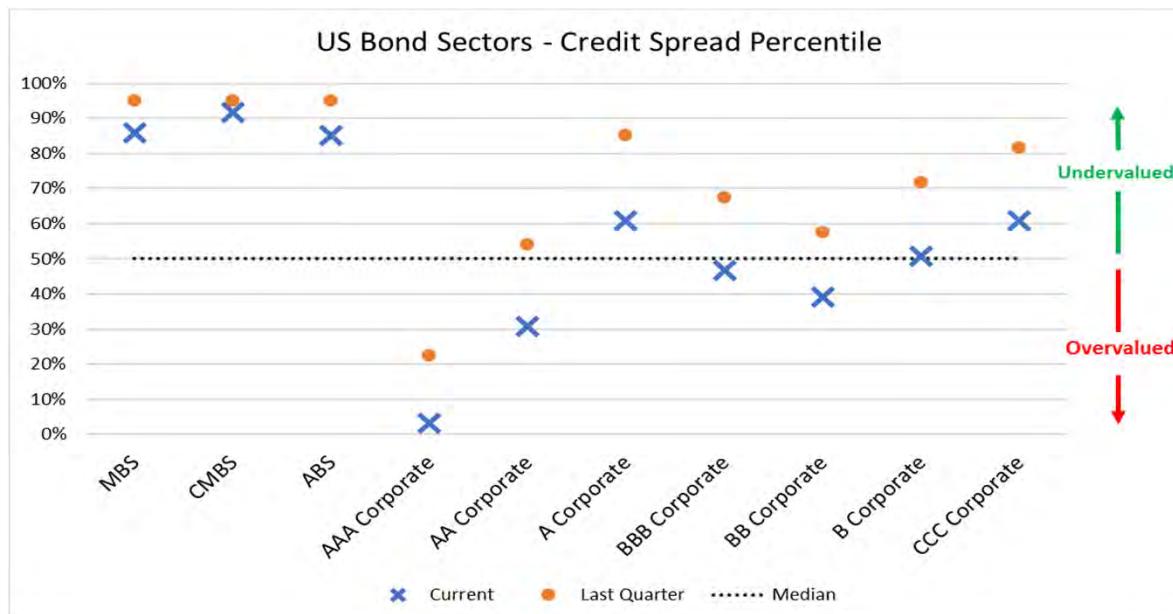
|                         | Standard & Poor's | Moody's |
|-------------------------|-------------------|---------|
| Investment Grade        | AAA               | Aaa     |
|                         | AA                | Aa      |
|                         | A                 | A       |
|                         | BBB               | Baa     |
| High Quality High Yield | BB                | Ba      |
|                         | B                 | B       |
| Low Quality High Yield  | CCC               | Caa     |
|                         | CC                | Ca      |
|                         | C                 | C       |

# Bond Market



## Bond Yields

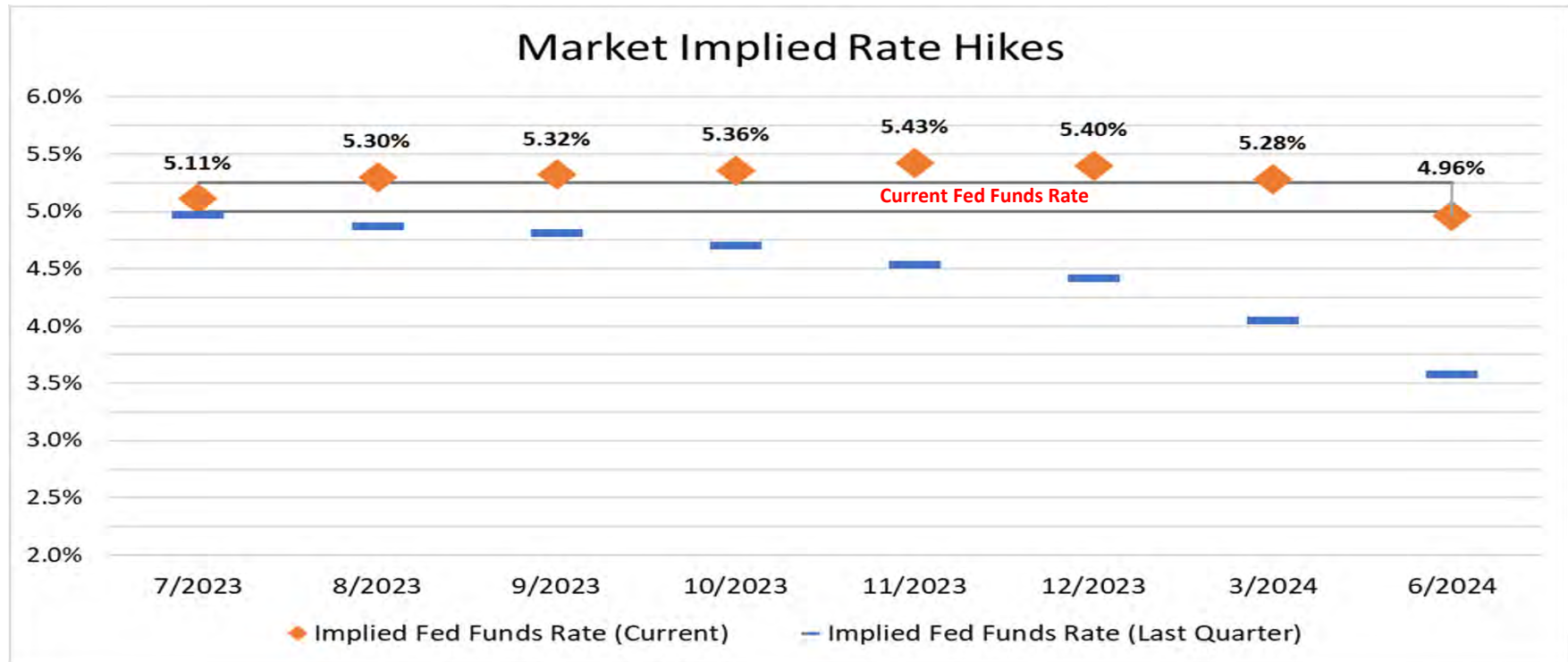
- Yields on investment grade bonds pushed slightly higher in Q2 2023 while yields on high yield bonds stayed flat.
- Investors can earn an additional yield pick-up of 350 to 400 bps in US high yield relative to US investment grade bonds.
- Shorter maturity bonds in high yield are earning a slightly higher yield relative to the full high yield universe.
- Bonds outside of the US are earning a slightly higher yield relative to US credit.



## Credit Spreads/Valuations

- Credit spreads pulled tighter (bond prices up) in Q2 2023.
- Riskier corporate bonds experienced the most tightening in the quarter as investors added more risk to portfolios.
- In corporate credit, AAA-rated bonds have almost fully recovered from 2022. BB-rated bonds have recovered most of their recent widening but remain well above pre-2022 levels.
- Spreads in structured credit (MBS, CMBS, ABS) remain well above their pre-2022 lows. CMBS remains just below the widest spreads experienced in the past decade.

# Bond Market

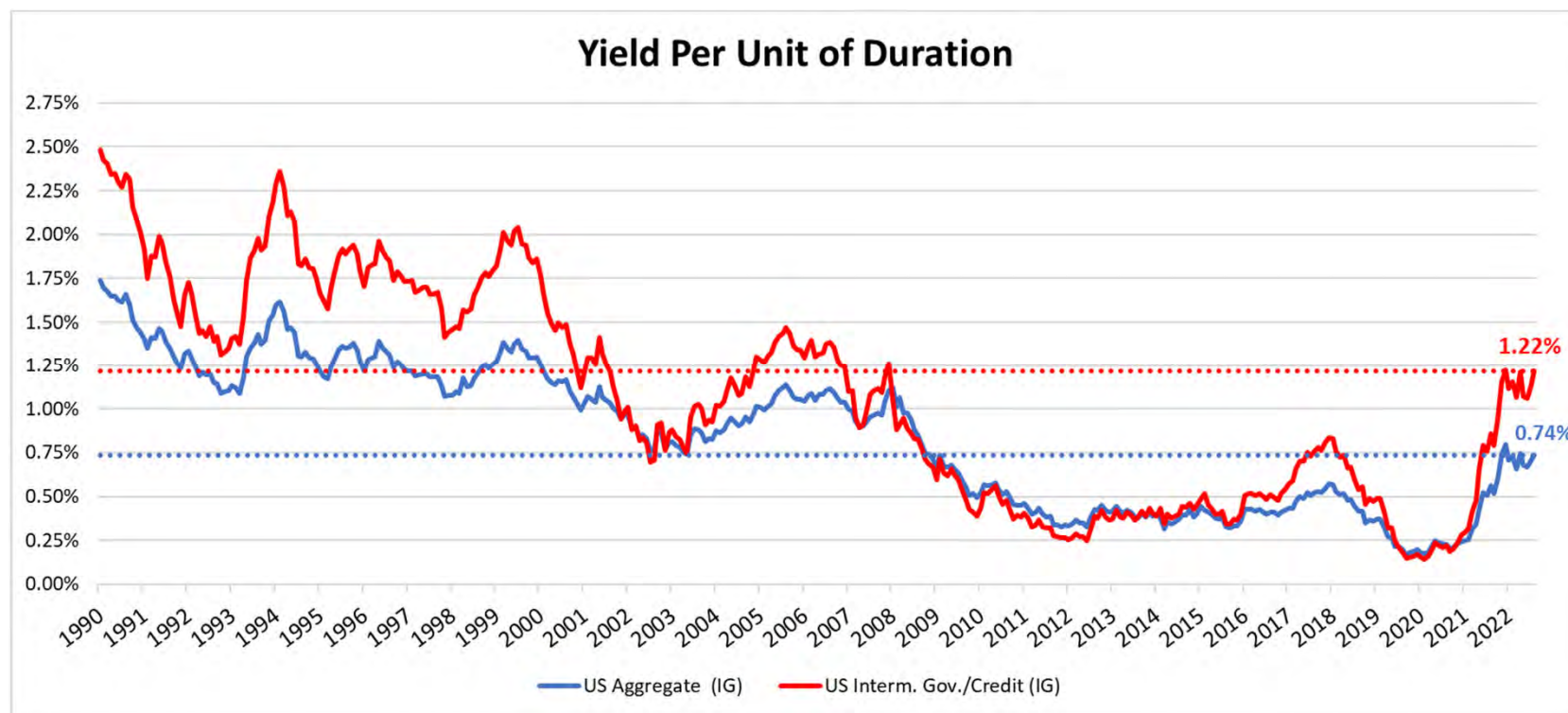


As of 7/7/23

- The FOMC raised interest rates by another 25 bps in early May but elected to pause and not raise rates at their mid-June meeting. The current target federal funds rate is now at 5.00-5.25%, up from 4.75-5.00% at the end of Q1 2023 and up from 4.25-4.50% in Q4 2022.
- Last quarter (end of Q1), the market was predicting a 25 bps increase in May and no rate-hike at the mid-June meeting which proved to be correct. However, following the banking failures in March, the market immediately began to expect the Federal Reserve to begin to cut rates significantly in the 2<sup>nd</sup> half of 2023.
- In the past two Federal Reserve press conferences, Fed Chairman Jerome Powell has indicated that additional rate increases will be slower going forward, but they are not in a position to begin cutting rates for the foreseeable future due to the potential risk of more inflation. As a result of these comments, market expectations rebounded sharply in late Q2 2023 to reflect an additional 25 bps increase by year-end.
- Current expectations are for the Federal Reserve to hike rates another 25 bps by the end of 2023. Pricing on 2024 futures contracts suggests the Federal Reserve will keep rates unchanged for the next year.

# Bond Market

## Investment Grade Investors Are Now Compensated For Duration Risk



- Investment grade bonds were susceptible to a rise in interest rates for most of the past decade. With the recent surge higher in bond yields, investment grade bond investors are now being adequately compensated for duration risk.
- Interest rates can now move ~75 bps higher before core bond investors (US Aggregate Index) start to realize negative returns on their portfolio in the near-term while intermediate investment grade investors can withstand a ~125 bps rise in interest rates before realizing losses on their portfolio.
- Given yields are equal for the US Intermediate Gov./Credit Index and the US Aggregate Index, intermediate investment grade bonds (US Interm. Gov./Credit) are seemingly better positioned to limit downside risk in the near-term while core bonds (US Aggregate) can provide more upside if interest rates fall but have less protection in the event interest rates continue to rise.

# Bond Market

## Interest Rate Sensitivity

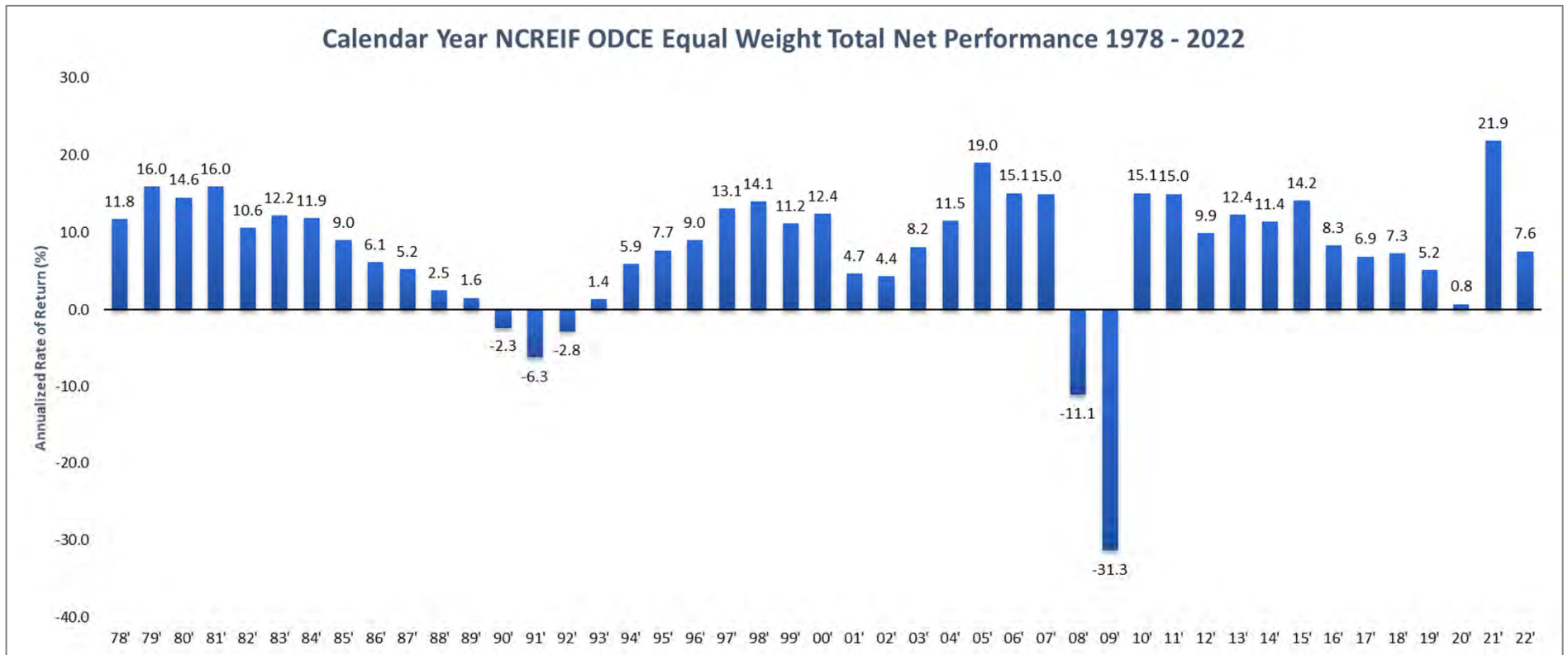
| 12 Month Holding Period - Annualized Returns as of 6/30/2023 |                     |                        |                              |                             |                             |                                     |                                              |
|--------------------------------------------------------------|---------------------|------------------------|------------------------------|-----------------------------|-----------------------------|-------------------------------------|----------------------------------------------|
| Yield Change<br>(bps)                                        | 10 Year<br>Treasury | Bloomberg<br>Aggregate | Bloomberg<br>Int Govt/Credit | ICE BofA<br>Gov/Corp Master | ICE BofA<br>1-3 yr Gov/Corp | Defensive<br>ICE BofA US HY BB/B ND | Short Duration<br>ICE BofA US HY BB/B 1-3 yr |
| -300                                                         | 28.57               | 24.39                  | 16.66                        | 24.53                       | 10.74                       | 19.80                               | 13.47                                        |
| -250                                                         | 24.44               | 21.13                  | 14.68                        | 21.24                       | 9.82                        | 17.78                               | 12.53                                        |
| -200                                                         | 20.32               | 17.87                  | 12.71                        | 17.95                       | 8.90                        | 15.75                               | 11.60                                        |
| -150                                                         | 16.19               | 14.60                  | 10.73                        | 14.67                       | 7.97                        | 13.73                               | 10.66                                        |
| -100                                                         | 12.06               | 11.34                  | 8.76                         | 11.38                       | 7.05                        | 11.71                               | 9.73                                         |
| -75                                                          | 10.00               | 9.71                   | 7.77                         | 9.74                        | 6.59                        | 10.70                               | 9.26                                         |
| -50                                                          | 7.94                | 8.07                   | 6.79                         | 8.10                        | 6.13                        | 9.69                                | 8.79                                         |
| -25                                                          | 5.87                | 6.44                   | 5.80                         | 6.45                        | 5.67                        | 8.67                                | 8.32                                         |
| 0                                                            | 3.81                | 4.81                   | 4.81                         | 4.81                        | 5.21                        | 7.66                                | 7.85                                         |
| 25                                                           | 1.75                | 3.18                   | 3.83                         | 3.17                        | 4.74                        | 6.65                                | 7.39                                         |
| 50                                                           | -0.32               | 1.55                   | 2.84                         | 1.53                        | 4.28                        | 5.64                                | 6.92                                         |
| 75                                                           | -2.38               | -0.09                  | 1.85                         | -0.12                       | 3.82                        | 4.63                                | 6.45                                         |
| 100                                                          | -4.44               | -1.72                  | 0.86                         | -1.76                       | 3.36                        | 3.62                                | 5.98                                         |
| 150                                                          | -8.57               | -4.98                  | -1.11                        | -5.04                       | 2.44                        | 1.60                                | 5.05                                         |
| 200                                                          | -12.70              | -8.24                  | -3.08                        | -8.33                       | 1.52                        | -0.43                               | 4.11                                         |
| 250                                                          | -16.82              | -11.51                 | -5.06                        | -11.62                      | 0.59                        | -2.45                               | 3.17                                         |
| 300                                                          | -20.95              | -14.77                 | -7.03                        | -14.90                      | -0.33                       | -4.47                               | 2.24                                         |
| Duration                                                     | 8.25                | 6.53                   | 3.95                         | 6.57                        | 1.85                        | 4.05                                | 1.87                                         |

**FOR ILLUSTRATIVE PURPOSES ONLY:** For each index the current yield to worst as of 6/30/2023 was used as the base case annualized return. The annualized return sensitivity to a uniform increase or decrease in the yield curve was calculated by taking the index's Option-Adjusted Duration as of 6/30/2023 multiplied by the percentage point change in the yield curve (basis point change divided by 100) and then appropriately adding or subtracting this implied percentage change in the value of the index (due to the shift in the yield curve) to the base case annualized return. This is a rough approximation of the annual return sensitivity to parallel shifts in the yield curve.

# Real Estate Market

| Sector     | Index                             | 2Q23  | YTD   | 2022 | 2021  | 2020  | 2019 | 2018 | 1-Year | 3-Year | 5-Year | 10-Year |
|------------|-----------------------------------|-------|-------|------|-------|-------|------|------|--------|--------|--------|---------|
| US Private | NCREIF ODCE Equal Weighted (net)  | -3.0% | -6.4% | 7.6% | 21.9% | 0.8%  | 5.2% | 7.3% | -10.5% | 7.6%   | 6.1%   | 8.1%    |
|            | NCREIF ODCE EW Income Index       | 0.9%  | 1.7%  | 3.5% | 4.1%  | 3.6%  | 3.5% | 3.5% | 3.4%   | 3.8%   | 3.7%   | 3.8%    |
|            | NCREIF ODCE EW Appreciation Index | -3.7% | -7.7% | 4.8% | 18.3% | -2.4% | 1.7% | 3.7% | -12.8% | 4.6%   | 2.9%   | 4.5%    |

- The NCREIF ODCE Equal Weighted Index (net) declined for the third quarter in a row, generating a return of -3.0% in Q2 2023. Though the last three quarters have been negative, the trend is improving, as the ODCE index declined -5.1% in Q4 2022 and -3.5% in Q1 2023.
- For the first half of 2023, the NCREIF ODCE Equal Weighted Index (net) declined by -6.4%. If the negative return for the calendar year holds, it will represent just the sixth negative calendar year for the index since 1978 and the first since 2009.

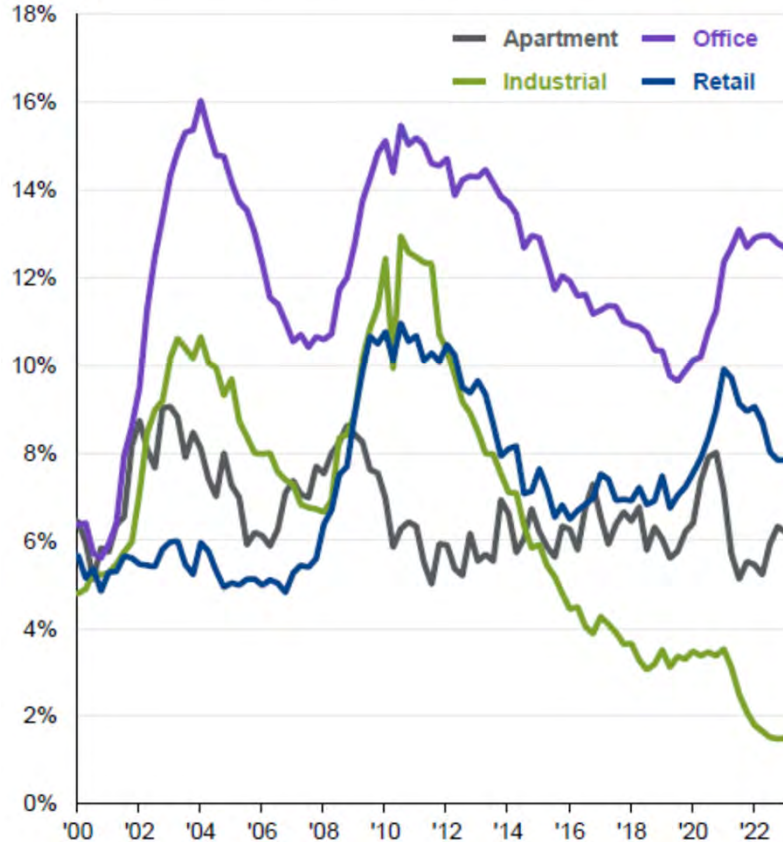


# Real Estate Market

- Vacancy rates have largely declined from their early pandemic (2020) peaks in apartment, industrial and retail assets, while remaining elevated in U.S. office assets at approximately 13%. Office properties continue to face high levels of uncertainty moving forward due to companies' changing need for office space amid higher levels of remote work. While still lower than their pandemic peak, apartment vacancies increased in 2022 and stand at just over 6% in the U.S.
- Real estate transaction volumes continue to remain low and are down more than 50% year-over-year, driven by higher borrowing costs and wide bid/ask spreads.

## U.S. vacancy rates by property type

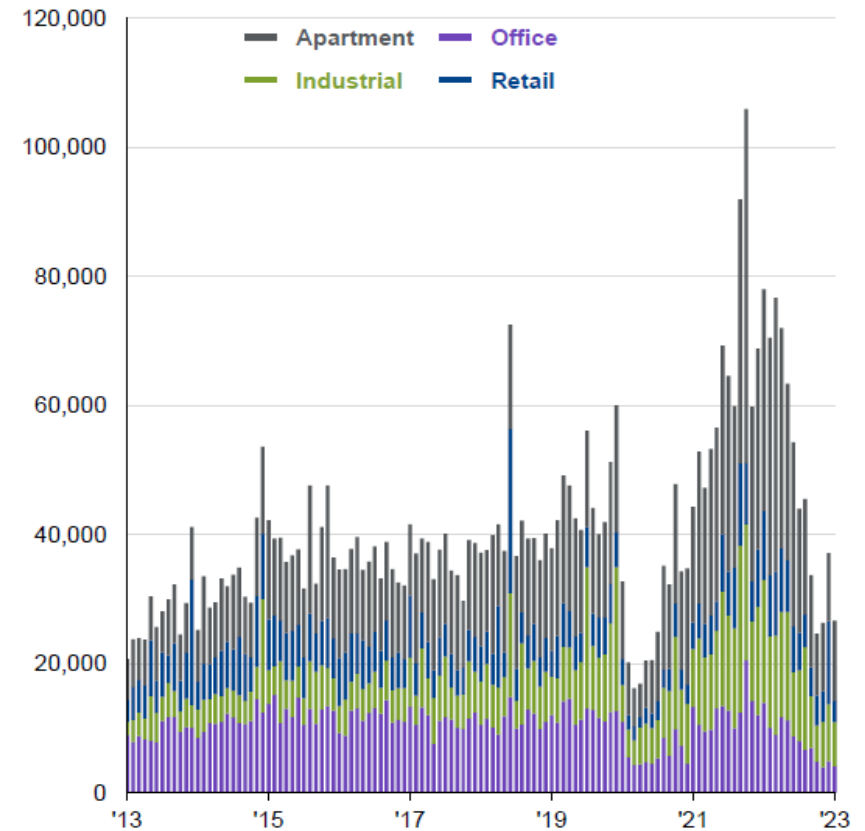
Percent



Source: J.P. Morgan Asset Management, as of 3/31/23.

## U.S. real estate transaction volumes

USD millions, seasonally adjusted, last 10 years



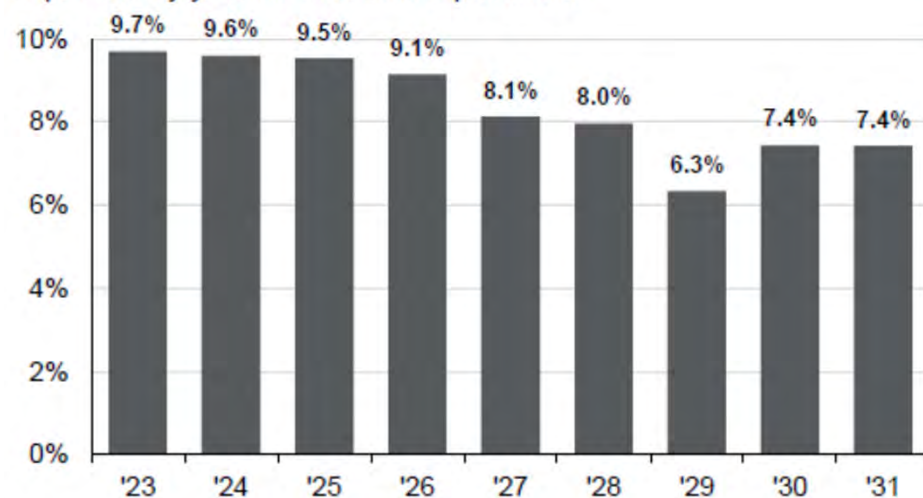
Source: NCREIF, NAREIT Statista via J.P. Morgan Asset Management as of 5/31/23.

# Real Estate Market

- The office sector continues to be the poorest-performing sector in commercial real estate, with valuation declines progressing in Q2 2023 amid deteriorating fundamentals and continued high levels of uncertainty around companies' future needs for office space. Write-downs have been worse on office assets with lower occupancy levels and lower weighted-average lease terms, and in large gateway markets with lower percentages of employees returning to in-person work (San Francisco, Chicago, NYC, etc.).
- Approximately 10% of office real estate leases (as a percentage of total square feet) are set to expire in 2023 and in each of the next three years (2024-2026). Debt on office assets maturing in 2023 is relatively low at 3.4% but is expected to increase substantially over the next two years, which may require many office owners to refinance or restructure their debt. Combined with the potential changing needs for office space, debt maturities and lease rolls add to the overall level of uncertainty in the office sector.

## Office real estate lease expiration

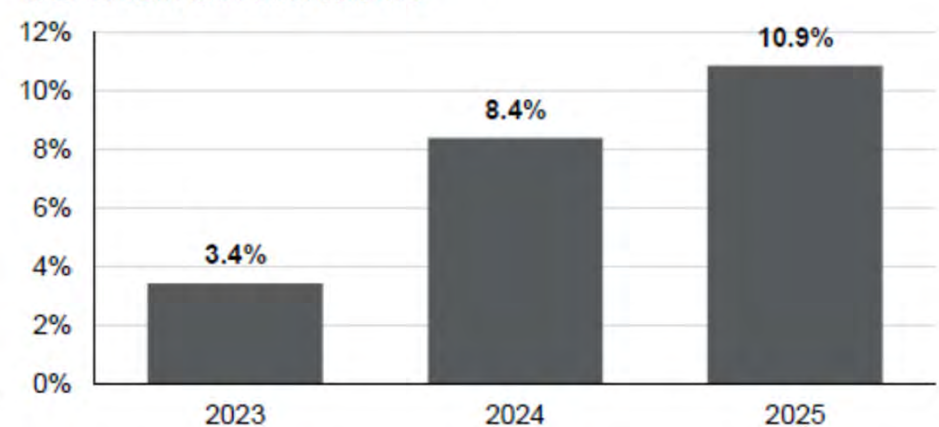
Expiration by year as % of total square feet



Source: J.P. Morgan Asset Management, as of 5/31/23.

## Office real estate debt maturity

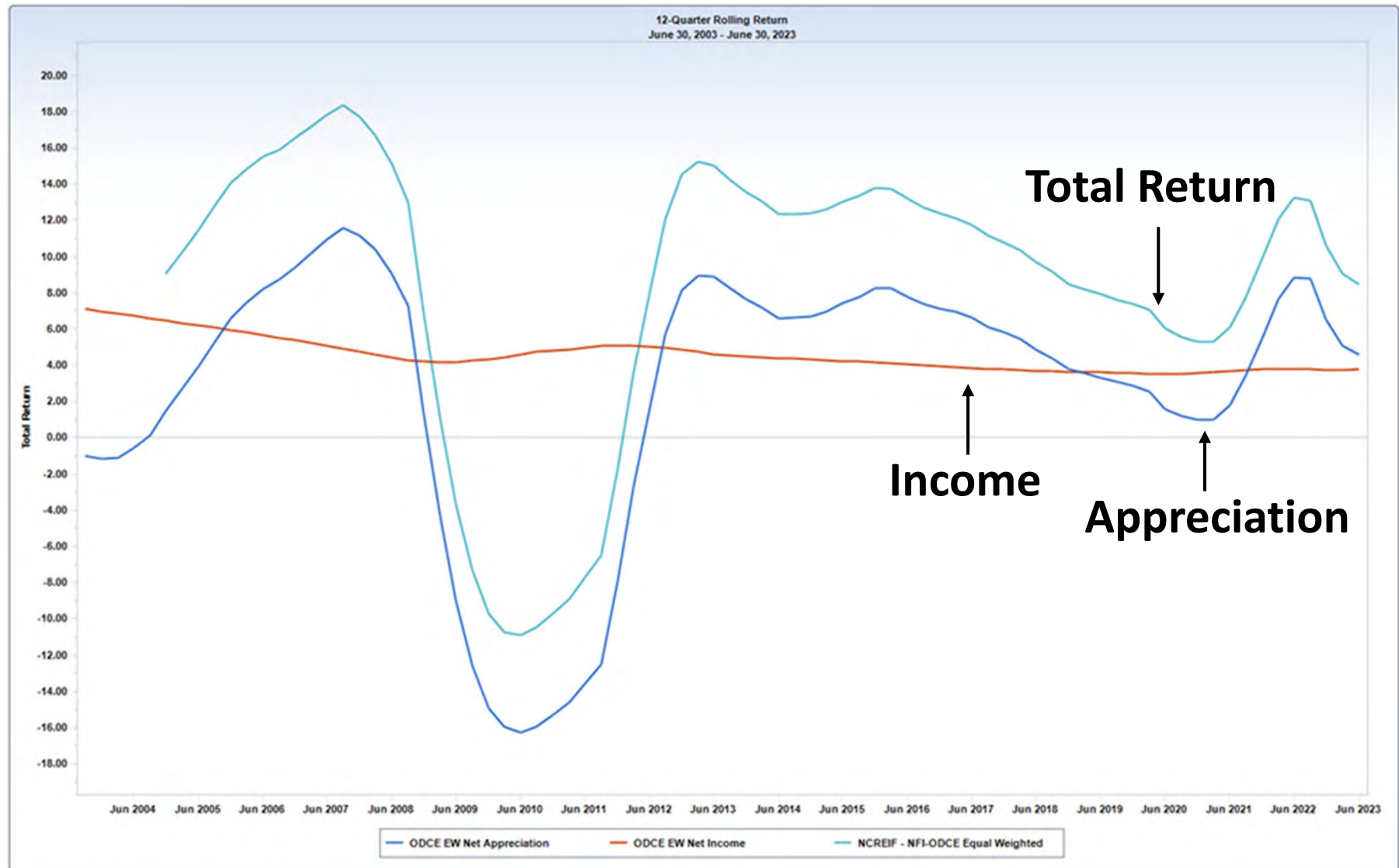
% of current total debt balance



Source: NCREIF, NAREIT Statista via J.P. Morgan Asset Management as of 5/31/23.

# Real Estate Market

- The income component of real estate returns continues to remain stable, providing a buffer against the recent periods of negative appreciation. Appreciation was positive in the first half of 2022 and drove the positive calendar year return for the index last year but was flat in Q3 2022 and has been negative since Q4 2022, driving the negative returns for the ODCE index over the last three quarters.



# Hedge Fund Market

| Strategy          | Index               | 2Q23 | YTD   | 2022   | 2021  | 2020  | 2019  | 2018  | 1-Year | 3-Year | 5-Year | 10-Year |
|-------------------|---------------------|------|-------|--------|-------|-------|-------|-------|--------|--------|--------|---------|
| Fund of Funds     | HFRI FOF Composite  | 1.4% | 2.2%  | -5.3%  | 6.2%  | 10.9% | 8.4%  | -4.0% | 3.6%   | 5.0%   | 3.3%   | 3.4%    |
| Equity Long-Short | HFRI Equity Hedge   | 2.9% | 5.5%  | -10.1% | 11.7% | 17.9% | 13.7% | -7.1% | 7.4%   | 8.9%   | 5.4%   | 5.6%    |
| Event Driven      | HFRI Event Driven   | 1.3% | 2.7%  | -4.8%  | 12.4% | 9.3%  | 7.5%  | -2.1% | 5.5%   | 8.6%   | 4.4%   | 4.6%    |
| Global Macro      | HFRI Macro Index    | 1.9% | -0.6% | 9.0%   | 7.7%  | 5.4%  | 6.5%  | -4.1% | -0.2%  | 7.4%   | 5.0%   | 3.1%    |
| Relative Value    | HFRI Relative Value | 1.2% | 2.6%  | -0.7%  | 7.6%  | 3.4%  | 7.4%  | -0.4% | 4.1%   | 5.9%   | 3.6%   | 4.0%    |
| Credit            | HFRI Credit Index   | 1.3% | 2.8%  | -2.6%  | 7.9%  | 6.3%  | 6.5%  | -0.0% | 3.7%   | 6.0%   | 3.7%   | 4.1%    |

**Hedge Fund Strategy Performance**



- Hedge fund strategies were modestly positive in Q2 2023 amid broader gains for risk assets during the quarter. The HFRI Fund of Funds Composite generated positive performance in each month during Q2, ending the quarter up 1.4% and up 2.2% YTD.
- Equity Hedge strategies again led broad sector returns in Q2 2023, with nearly all of the Q2 return for the HFRI Equity Hedge Index occurring in June, led by strategies with growth, technology and artificial intelligence exposures. The index was flat in April and May. Directional equity strategies continued to gain during the quarter, as investors continue to be increasingly comfortable with adding risk in portfolios as inflation slows and the Federal Reserve indicated a slowdown in its pace of interest rate hikes.
- The HFRI Macro index was up nearly 2% for the quarter but remains in negative territory YTD. Macro strategies are often less correlated to broader markets, and experienced gains in April when global equity market performance was more mixed, as the turmoil from the regional bank failures and higher volatility extended throughout the month into May. Macro strategies were again positive in June, with gains led by commodity-oriented strategies as prices rose, particularly in energy.
- Relative value and credit strategies advanced during Q2, though more modestly than equity-oriented strategies, as credit spreads tightened during the quarter and interest rates increased. The HFRI Relative Value Index and HFRI Credit Index were up 1.2% and 1.3%, respectively, during the quarter.



# **UFCW-Giant Variable Annuity Fund**

Master Consulting Services Report

Period Ended

June 30, 2023

**Total Fund Growth of Assets**

|                        | <b>Second Quarter</b> | <b>Fiscal Year-To-Date</b> | <b>Inception<br/>7/1/22</b> |
|------------------------|-----------------------|----------------------------|-----------------------------|
| Beginning Market Value | \$16,208,036          | \$16,867,349               | \$0                         |
| Net Cash Flow          | \$3,300,000           | \$2,673,413                | \$19,583,000                |
| Net Investment Change  | \$175,657             | \$142,931                  | \$100,693                   |
| Ending Market Value    | \$19,683,693          | \$19,683,693               | \$19,683,693                |

- The Fund's fiscal year end is December 31st.

**UFCW-Giant Variable Annuity Fund**  
**Master Consulting Services Report as of June 30, 2023**

**Performance Summary (Gross of Fees)**

|                                        | Market Value        | % of Portfolio | Ending June 30, 2023 |               |             |                   |
|----------------------------------------|---------------------|----------------|----------------------|---------------|-------------|-------------------|
|                                        |                     |                | 2023<br>Q2           | Fiscal<br>YTD | Inception   | Inception<br>Date |
| <b>Total Fund</b>                      | <b>\$19,683,693</b> | <b>100.0%</b>  | <b>0.8%</b>          | <b>0.6%</b>   | <b>0.4%</b> | <b>Jul-22</b>     |
| Total Domestic Large Cap Equity        | \$1,342,521         | 6.8%           | --                   | --            | 7.1%        | Apr-23            |
| Total Domestic Small/Mid Cap Equity    | \$895,425           | 4.5%           | --                   | --            | 8.8%        | Apr-23            |
| Total International Equity             | \$833,126           | 4.2%           | --                   | --            | 0.0%        | Apr-23            |
| Total Global Tactical Asset Allocation | \$867,683           | 4.4%           | --                   | --            | 4.6%        | Jun-23            |
| Investment Grade Fixed Income          | \$8,675,115         | 44.1%          | --                   | --            | -0.9%       | Apr-23            |
| Total High Yield Fixed Income          | \$1,252,769         | 6.4%           | --                   | --            | 0.5%        | Apr-23            |
| Total Real Estate - Core               | \$867,891           | 4.4%           | -2.2%                | -5.4%         | -9.1%       | Jul-22            |
| Total Private Equity                   | \$856,163           | 4.3%           | --                   | --            | 3.1%        | May-23            |
| Total Cash Equivalents                 | \$4,093,000         | 20.8%          |                      |               |             |                   |

Note: The present hurdle rate as determined by the plan actuary in 5.5%.

**UFCW-Giant Variable Annuity Fund**  
**Master Consulting Services Report as of June 30, 2023**

| Current vs. Policy               |                     |               |               |               |            |              |
|----------------------------------|---------------------|---------------|---------------|---------------|------------|--------------|
|                                  | Current             | Current       | Policy        | Policy Range  | Difference | Difference   |
| Domestic Large Cap Equity        | \$1,342,521         | 6.8%          | 7.5%          | 2.5% - 12.5%  | -0.7%      | -\$133,756   |
| Domestic Small/Mid Cap Equity    | \$895,425           | 4.5%          | 5.0%          | 0.0% - 10.0%  | -0.5%      | -\$88,760    |
| International Equity             | \$833,126           | 4.2%          | 5.0%          | 0.0% - 10.0%  | -0.8%      | -\$151,059   |
| Global Tactical Asset Allocation | \$867,683           | 4.4%          | 5.0%          | 0.0% - 10.0%  | -0.6%      | -\$116,501   |
| Investment Grade Fixed Income    | \$8,675,115         | 44.1%         | 52.5%         | 47.5% - 57.5% | -8.4%      | -\$1,658,824 |
| High Yield Fixed Income          | \$1,252,769         | 6.4%          | 7.5%          | 2.5% - 12.5%  | -1.1%      | -\$223,508   |
| Real Estate - Core               | \$867,891           | 4.4%          | 5.0%          | 0.0% - 10.0%  | -0.6%      | -\$116,294   |
| Real Estate - Value Add          | \$0                 | 0.0%          | 7.5%          | 2.5% - 12.5%  | -7.5%      | -\$1,476,277 |
| Private Equity                   | \$856,163           | 4.3%          | 5.0%          | 0.0% - 10.0%  | -0.7%      | -\$128,022   |
| Cash Equivalents                 | \$4,093,000         | 20.8%         | 0.0%          | 0.0% - 0.0%   | 20.8%      | \$4,093,000  |
| <b>Total</b>                     | <b>\$19,683,693</b> | <b>100.0%</b> | <b>100.0%</b> |               |            |              |

- Policy adopted March 2023; effective TBD (pending capital calls).
- Cash equivalents allocation includes:
  - \$4.1M that was used for rebalancing in August 2023.

## UFCW-Giant Variable Annuity Fund - Asset Allocation

- Asset allocation reviews were presented and discussed with the Board of Trustees at the following meetings: May 23, 2022, and March 17, 2023.
- At the May 23, 2022 meeting, IPS presented an asset allocation review, draft investment policy statement, and manager searches. The Trustees approved the following recommendations:
  - Adopt Policy: 10.0% domestic large cap equity, 5.0% domestic small/mid cap equity, 5.0% international equity, 10.0% global tactical asset allocation, 30.0% investment grade fixed income, 15.0% high yield fixed income, 5.0% real estate - core, 15.0% real estate - value add, and 5.0% private equity.
  - Retain the following managers: domestic large cap equity (Northern Trust Russell 1000 Growth Index, Northern Trust Russell 1000 Value Index), domestic small/mid cap equity (Northern Trust Extended Equity Index), international equity (Northern Trust EAFE Index), global tactical asset allocation (First Eagle Global Value Fund, LP), investment grade fixed income (Chartwell Investment Partners), high yield fixed income (MacKay Shields High Yield CIT), real estate – core (ARA Core Property Fund, LP), real estate – value add (Intercontinental US Real Estate Investment Fund, LLC and Boyd Watterson State Government Fund, LP), and private equity (Hamilton Lane Private Assets Fund). Status: ARA funded on July 1, 2022. All other investments except for First Eagle, Intercontinental, Boyd Watterson State Government Fund, and Hamilton Lane were funded in April 2023.
- At the March 17, 2023 meeting, IPS presented an asset allocation review. The Trustees adopted Policy: 7.5% domestic large cap equity (-2.5%), 5.0% domestic small/mid cap equity, 5.0% international equity, 5.0% global tactical asset allocation (-5.0%), 52.5% investment grade fixed income (+22.5%), 7.5% high yield fixed income (-7.5%), 5.0% real estate – core, 7.5% real estate – value add (-7.5%), and 5.0% private equity.
- At the June 27, 2023 meeting, IPS recommended investing available cash pro-rate based on asset allocation with dollars intended for real estate – value add allocated to investment grade fixed income. Decision: Approved. Status: Transfers occurred in August 2023.

**Recommendations: Invest available cash in accordance with Policy.**

Commitment and Funding of Real Estate - Core (In Millions) as of June 30, 2023

| Investments                |              | Commitments  |                     |            | Contributions & Distributions |                          | Valuations   |              | Performance |            |
|----------------------------|--------------|--------------|---------------------|------------|-------------------------------|--------------------------|--------------|--------------|-------------|------------|
| Account Name               | Vintage Year | Commitment   | Unfunded Commitment | Call Ratio | Cumulative Contributions      | Cumulative Distributions | Valuation    | Total Value  | DPI         | TVPI       |
| ARA Core Property Fund, LP | 2022         | \$1.0        | \$0.0               | 1.0        | \$1.0                         | \$0.0                    | \$0.9        | \$0.9        | 0.0         | 0.9        |
| <b>Total</b>               |              | <b>\$1.0</b> | <b>\$0.0</b>        | <b>1.0</b> | <b>\$1.0</b>                  | <b>\$0.0</b>             | <b>\$0.9</b> | <b>\$0.9</b> | <b>0.0</b>  | <b>0.9</b> |

Commitment and Funding of Real Estate - Value Add (In Millions) as of June 30, 2023

| Investments                                       |              | Commitments  |                     |            | Contributions & Distributions |                          | Valuations   |              | Performance |      |
|---------------------------------------------------|--------------|--------------|---------------------|------------|-------------------------------|--------------------------|--------------|--------------|-------------|------|
| Account Name                                      | Vintage Year | Commitment   | Unfunded Commitment | Call Ratio | Cumulative Contributions      | Cumulative Distributions | Valuation    | Total Value  | DPI         | TVPI |
| Boyd Watterson State Government Fund, LP          |              | \$1.4        | \$1.4               |            | \$0.0                         | \$0.0                    | \$0.0        | \$0.0        |             |      |
| Intercontinental U.S. Real Estate Investment Fund |              | \$1.4        | \$1.4               |            | \$0.0                         | \$0.0                    | \$0.0        | \$0.0        |             |      |
| <b>Total</b>                                      |              | <b>\$2.8</b> | <b>\$2.8</b>        |            | <b>\$0.0</b>                  | <b>\$0.0</b>             | <b>\$0.0</b> | <b>\$0.0</b> |             |      |

Commitment and Funding of Real Estate - Value Add (In Millions) as of June 30, 2023

| Investments                                 |              | Commitments  |                     |            | Contributions & Distributions |                          | Valuations   |              | Performance |            |
|---------------------------------------------|--------------|--------------|---------------------|------------|-------------------------------|--------------------------|--------------|--------------|-------------|------------|
| Account Name                                | Vintage Year | Commitment   | Unfunded Commitment | Call Ratio | Cumulative Contributions      | Cumulative Distributions | Valuation    | Total Value  | DPI         | TVPI       |
| Hamilton Lane Private Assets Fund - Class I | 2023         | \$1.1        | \$0.3               | 0.8        | \$0.8                         | \$0.0                    | \$0.9        | \$0.9        | 0.0         | 1.0        |
| <b>Total</b>                                |              | <b>\$1.1</b> | <b>\$0.3</b>        | <b>0.8</b> | <b>\$0.8</b>                  | <b>\$0.0</b>             | <b>\$0.9</b> | <b>\$0.9</b> | <b>0.0</b>  | <b>1.0</b> |

- Distribution to Paid-In (DPI) – The DPI is the value of all distributions to limited partners divided by the amount limited partners have contributed to the fund. A DPI of 1 indicates the investor has received capital back equal to what they invested while a DPI over 1 indicates an investor has received more capital back than they invested. DPI is most relevant for closed-end fund structures such as private equity.
- Total Value to Paid in Multiple (TVPI) – The TVPI is a measure of return that expresses how much a fund has made relative to how much was contributed. It is calculated by dividing the sum of the amount of capital distributed to investors and the amount of remaining value by the amount of invested capital. A TVPI below 1 indicates the current value of the investment plus the capital returned to the investor is less than the investor contributed. A TVPI greater than 1 indicates the current value of the investment plus the capital returned to the investor is more than the investor contributed. For closed-end funds such as private equity, DPI and TVPI will be the same at the end of the fund's life.
- Performance data included in the table above may differ from performance data provided by the investment manager due to the availability and timing of data used in the calculations.

**UFCW-Giant Variable Annuity Fund**  
**Master Consulting Services Report as of June 30, 2023**

**Performance Detail (Net of Fees)**

|                                                             | Market Value        | % of Portfolio | Ending June 30, 2023 |               |              |                   |
|-------------------------------------------------------------|---------------------|----------------|----------------------|---------------|--------------|-------------------|
|                                                             |                     |                | 2023<br>Q2           | Fiscal<br>YTD | Inception    | Inception<br>Date |
| <b>Total Fund</b>                                           | <b>\$19,683,693</b> | <b>100.0%</b>  | <b>0.8%</b>          | <b>0.6%</b>   | <b>0.3%</b>  | <b>Jul-22</b>     |
| <b>Total Domestic Large Cap Equity</b>                      | <b>\$1,342,521</b>  | <b>6.8%</b>    | <b>--</b>            | <b>--</b>     | <b>7.1%</b>  | <b>Apr-23</b>     |
| Northern Trust Russell 1000 Growth Index Fund - Non-Lending | \$702,771           | 3.6%           | --                   | --            | 11.7%        | Apr-23            |
| <i>Russell 1000 Growth</i>                                  |                     |                | --                   | --            | 11.7%        | Apr-23            |
| Northern Trust Russell 1000 Value Index Fund - Non-Lending  | \$639,751           | 3.3%           | --                   | --            | 2.5%         | Apr-23            |
| <i>Russell 1000 Value</i>                                   |                     |                | --                   | --            | 2.5%         | Apr-23            |
| <b>Total Domestic Small/Mid Cap Equity</b>                  | <b>\$895,425</b>    | <b>4.5%</b>    | <b>--</b>            | <b>--</b>     | <b>8.7%</b>  | <b>Apr-23</b>     |
| Northern Trust Collective Extended Index Fund               | \$895,425           | 4.5%           | --                   | --            | 8.7%         | Apr-23            |
| <i>Dow Jones U.S. Completion Total Stock Market</i>         |                     |                | --                   | --            | 8.8%         | Apr-23            |
| <b>Total International Equity</b>                           | <b>\$833,126</b>    | <b>4.2%</b>    | <b>--</b>            | <b>--</b>     | <b>0.0%</b>  | <b>Apr-23</b>     |
| Northern Trust EAFE Index Fund                              | \$833,126           | 4.2%           | --                   | --            | 0.0%         | Apr-23            |
| <i>MSCI EAFE</i>                                            |                     |                | --                   | --            | 0.1%         | Apr-23            |
| <b>Total Global Tactical Asset Allocation</b>               | <b>\$867,683</b>    | <b>4.4%</b>    | <b>--</b>            | <b>--</b>     | <b>4.5%</b>  | <b>Jun-23</b>     |
| First Eagle Global Value Fund, LP                           | \$867,683           | 4.4%           | --                   | --            | 4.5%         | Jun-23            |
| <i>65% MSCI World Index/35% FTSE WGBI</i>                   |                     |                | --                   | --            | 3.9%         | Jun-23            |
| <i>65% MSCI World Value Index/35% FTSE WGBI</i>             |                     |                | --                   | --            | 3.9%         | Jun-23            |
| <b>Investment Grade Fixed Income</b>                        | <b>\$8,675,115</b>  | <b>44.1%</b>   | <b>--</b>            | <b>--</b>     | <b>-1.0%</b> | <b>Apr-23</b>     |
| Chartwell Investment Partners                               | \$8,675,115         | 44.1%          | --                   | --            | -1.0%        | Apr-23            |
| <i>Bloomberg US Govt/Credit Int TR</i>                      |                     |                | --                   | --            | -1.4%        | Apr-23            |

**UFCW-Giant Variable Annuity Fund**  
**Master Consulting Services Report as of June 30, 2023**

**Performance Detail (Net of Fees)**

|                                             | Market Value       | % of Portfolio | Ending June 30, 2023 |               |               |                   |
|---------------------------------------------|--------------------|----------------|----------------------|---------------|---------------|-------------------|
|                                             |                    |                | 2023<br>Q2           | Fiscal<br>YTD | Inception     | Inception<br>Date |
| <b>Total High Yield Fixed Income</b>        | <b>\$1,252,769</b> | <b>6.4%</b>    | --                   | --            | <b>0.5%</b>   | <b>Apr-23</b>     |
| MacKay Shields High Yield Bond Fund Class 2 | \$1,252,769        | 6.4%           | --                   | --            | 0.5%          | Apr-23            |
| ICE BofA US High Yield TR                   |                    |                | --                   | --            | 0.7%          | Apr-23            |
| <b>Total Real Estate - Core</b>             | <b>\$867,891</b>   | <b>4.4%</b>    | <b>-2.5%</b>         | <b>-5.9%</b>  | <b>-10.1%</b> | <b>Jul-22</b>     |
| ARA Core Property Fund, LP                  | \$867,891          | 4.4%           | -2.5%                | -5.9%         | -10.1%        | Jul-22            |
| NCREIF ODCE Equal Weighted Net              |                    |                | -3.0%                | -6.4%         | -10.4%        | Jul-22            |
| <b>Total Private Equity</b>                 | <b>\$856,163</b>   | <b>4.3%</b>    | <b>--</b>            | <b>--</b>     | <b>2.9%</b>   | <b>May-23</b>     |
| Hamilton Lane Private Assets Fund - Class I | \$856,163          | 4.3%           | --                   | --            | 2.9%          | May-23            |
| <b>Total Cash Equivalents</b>               | <b>\$4,093,000</b> | <b>20.8%</b>   |                      |               |               |                   |
| Cash Account                                | \$4,093,000        | 20.8%          |                      |               |               |                   |

| Account Information |                                                             |
|---------------------|-------------------------------------------------------------|
| Account Name        | Northern Trust Russell 1000 Growth Index Fund - Non-Lending |
| Account Structure   | Commingled Fund                                             |
| Investment Style    | Passive                                                     |
| Inception Date      | 4/30/23                                                     |
| Account Type        | Domestic Large Cap Growth Equity                            |
| Benchmark           | Russell 1000 Growth                                         |
| Universe            | eV US Large Cap Growth Equity Net                           |

| Northern Trust Russell 1000 Growth Index Fund - Non-Lending |                |                      |
|-------------------------------------------------------------|----------------|----------------------|
| Ending June 30, 2023                                        |                |                      |
|                                                             | Second Quarter | Inception<br>4/30/23 |
| Beginning Market Value                                      | \$0            | \$0                  |
| Net Cash Flow                                               | \$622,500      | \$622,500            |
| Net Investment Change                                       | \$80,271       | \$80,271             |
| Ending Market Value                                         | \$702,771      | \$702,771            |

| Ending June 30, 2023                                        |            |      |          |           |            |            |           |           |           |           |           |           | Inception Date |
|-------------------------------------------------------------|------------|------|----------|-----------|------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|----------------|
|                                                             | 2023<br>Q2 | Rank | YTD Rank | 1 Yr Rank | 3 Yrs Rank | 5 Yrs Rank | 2022 Rank | 2021 Rank | 2020 Rank | 2019 Rank | 2018 Rank | Inception |                |
| Northern Trust Russell 1000 Growth Index Fund - Non-Lending | --         | --   | --       | --        | --         | --         | --        | --        | --        | --        | --        | 11.7%     | Apr-23         |
| Russell 1000 Growth                                         | --         | --   | --       | --        | --         | --         | --        | --        | --        | --        | --        | 11.7%     | Apr-23         |

Note: Returns are net of fees.

## UFCW-Giant Variable Annuity Fund - Northern Trust Russell 1000 Growth Index Fund - Non-Lending

### Manager Summary

**Recommendation:** None.

### Compliance Summary

Manager verified the portfolio and individual holdings are currently, and have been during the past quarter, in compliance with the commingled investment vehicle guidelines and/or prospectus governing the management of the investment. With respect to the portfolio(s) under management, manager acknowledges sole fiduciary responsibility under ERISA for adherence with the commingled investment vehicle and/or prospectus guidelines.

**Items of Interest: Personnel Departures** - The manager stated Chris Vella (Head of Multi-Manager Solutions for Northern Trust Asset Management) left the firm, effective May 2023. Additionally, Marie Dzanis and Tom Swaney left the firm, effective June/July 2023. **Personnel Changes** - The manager stated Kelly Finegan, CFA, was promoted to the Head of Multi-Manager Solutions, effective May 2023. Additionally, Sheri Hawkins assumed the newly created role titled Head of Investment Platform Services, Paula Kar (Global Head of Product Strategy) assumed the role of Global Head of Product, replacing Sheri Hawkins, John McCareins became the Head of International Asset Management, and Angelo Manioudakis (Global Chief Investment Officer) will also serve as interim CIO of global fixed income, all effective June/July 2023. **Form ADV - ADV Part 1, Material Changes:** Updated Schedule A to add Chief Information Officer (March 2023 annual amendment) and to reflect leadership changes (April 2023), and removed Michael O' Grady as CEO and replaced with Daniel Gamba. **ADV Part 2, Material Changes:** Added Northern Trust Asset Management Australia Pty Ltd. as a participating affiliate in Item 10 (March 2023 annual amendment). **Legal** - The manager stated as one of the world's largest asset managers, Northern Trust Investments, Inc. ("NTI") is occasionally named as a defendant in asset management-related litigation. In the past 5 years, NTI has not been party to any litigation that has had a material effect on its ability to perform services for its clients. However, they do have one pending litigation case that involves them; Michael J. Iannone, Jr. and Nicole A. James v. AutoZone, Inc. (W.D. Tenn.). In September 2021, plan participants of the AutoZone, Inc. 401(k) Plan sued AutoZone, Inc., its Investment Committee, and Northern Trust Corporation and Northern Trust, Inc. (later described as Northern Trust Investments, Inc.) (collectively, "Defendants") as investment fiduciaries for breach of fiduciary duty in connection with the use of the GoalMaker® asset allocation service furnished by Prudential Insurance Company ("GoalMaker"). The Complaint alleges that the funds that Defendants selected for GoalMaker paid excessive investment management fees to Prudential and its affiliates while consistently underperforming benchmark indices and lower-cost index fund alternatives. **Errors and Omission** - The manager stated there was no change Northern Trust's Errors & Omissions insurance policy over the last quarter, and the policy was recently renewed for the period 30 June 2023 – 30 June 2024.

| Account Information |                                                            |
|---------------------|------------------------------------------------------------|
| Account Name        | Northern Trust Russell 1000 Value Index Fund - Non-Lending |
| Account Structure   | Commingled Fund                                            |
| Investment Style    | Passive                                                    |
| Inception Date      | 4/30/23                                                    |
| Account Type        | Domestic Large Cap Value Equity                            |
| Benchmark           | Russell 1000 Value                                         |
| Universe            | eV US Large Cap Value Equity Net                           |

| Northern Trust Russell 1000 Value Index Fund - Non-Lending |                |                      |
|------------------------------------------------------------|----------------|----------------------|
| Ending June 30, 2023                                       |                |                      |
|                                                            | Second Quarter | Inception<br>4/30/23 |
| Beginning Market Value                                     | \$0            | \$0                  |
| Net Cash Flow                                              | \$622,500      | \$622,500            |
| Net Investment Change                                      | \$17,251       | \$17,251             |
| Ending Market Value                                        | \$639,751      | \$639,751            |

|                                                            |            |      |          |           |            |            |           |           |           |           | Ending June 30, 2023 |           |                   |  |  |  |  |
|------------------------------------------------------------|------------|------|----------|-----------|------------|------------|-----------|-----------|-----------|-----------|----------------------|-----------|-------------------|--|--|--|--|
|                                                            | 2023<br>Q2 | Rank | YTD Rank | 1 Yr Rank | 3 Yrs Rank | 5 Yrs Rank | 2022 Rank | 2021 Rank | 2020 Rank | 2019 Rank | 2018 Rank            | Inception | Inception<br>Date |  |  |  |  |
| Northern Trust Russell 1000 Value Index Fund - Non-Lending | --         | --   | --       | --        | --         | --         | --        | --        | --        | --        | --                   | 2.5%      | Apr-23            |  |  |  |  |
| Russell 1000 Value                                         | --         | --   | --       | --        | --         | --         | --        | --        | --        | --        | --                   | 2.5%      | Apr-23            |  |  |  |  |

Note: Returns are net of fees.

# UFCW-Giant Variable Annuity Fund - Northern Trust Russell 1000 Value Index Fund - Non-Lending

## Manager Summary

**Recommendation: None.**

## Compliance Summary

Manager verified the portfolio and individual holdings are currently, and have been during the past quarter, in compliance with the commingled investment vehicle guidelines and/or prospectus governing the management of the investment. With respect to the portfolio(s) under management, manager acknowledges sole fiduciary responsibility under ERISA for adherence with the commingled investment vehicle and/or prospectus guidelines.

**Items of Interest: Personnel Departures** - The manager stated Chris Vella (Head of Multi-Manager Solutions for Northern Trust Asset Management) left the firm, effective May 2023. Additionally, Marie Dzanis and Tom Swaney left the firm, effective June/July 2023. **Personnel Changes** - The manager stated Kelly Finegan, CFA, was promoted to the Head of Multi-Manager Solutions, effective May 2023. Additionally, Sheri Hawkins assumed the newly created role titled Head of Investment Platform Services, Paula Kar (Global Head of Product Strategy) assumed the role of Global Head of Product, replacing Sheri Hawkins, John McCareins became the Head of International Asset Management, and Angelo Manioudakis (Global Chief Investment Officer) will also serve as interim CIO of global fixed income, all effective June/July 2023. **Form ADV - ADV Part 1, Material Changes:** Updated Schedule A to add Chief Information Officer (March 2023 annual amendment) and to reflect leadership changes (April 2023), and removed Michael O' Grady as CEO and replaced with Daniel Gamba. **ADV Part 2, Material Changes:** Added Northern Trust Asset Management Australia Pty Ltd. as a participating affiliate in Item 10 (March 2023 annual amendment). **Legal** - The manager stated as one of the world's largest asset managers, Northern Trust Investments, Inc. ("NTI") is occasionally named as a defendant in asset management-related litigation. In the past 5 years, NTI has not been party to any litigation that has had a material effect on its ability to perform services for its clients. However, they do have one pending litigation case that involves them; Michael J. Iannone, Jr. and Nicole A. James v. AutoZone, Inc. (W.D. Tenn.). In September 2021, plan participants of the AutoZone, Inc. 401(k) Plan sued AutoZone, Inc., its Investment Committee, and Northern Trust Corporation and Northern Trust, Inc. (later described as Northern Trust Investments, Inc.) (collectively, "Defendants") as investment fiduciaries for breach of fiduciary duty in connection with the use of the GoalMaker® asset allocation service furnished by Prudential Insurance Company ("GoalMaker"). The Complaint alleges that the funds that Defendants selected for GoalMaker paid excessive investment management fees to Prudential and its affiliates while consistently underperforming benchmark indices and lower-cost index fund alternatives. **Errors and Omission** - The manager stated there was no change Northern Trust's Errors & Omissions insurance policy over the last quarter, and the policy was recently renewed for the period 30 June 2023 – 30 June 2024.

| Account Information |                                               |
|---------------------|-----------------------------------------------|
| Account Name        | Northern Trust Collective Extended Index Fund |
| Account Structure   | Commingled Fund                               |
| Investment Style    | Passive                                       |
| Inception Date      | 4/30/23                                       |
| Account Type        | Domestic Small/Mid Cap Core Equity            |
| Benchmark           | Dow Jones U.S. Completion Total Stock Market  |
| Universe            | eV US Small-Mid Cap Core Equity Net           |

| Northern Trust Collective Extended Index Fund |                |                      |
|-----------------------------------------------|----------------|----------------------|
| Ending June 30, 2023                          |                |                      |
|                                               | Second Quarter | Inception<br>4/30/23 |
| Beginning Market Value                        | \$0            | \$0                  |
| Net Cash Flow                                 | \$830,000      | \$830,000            |
| Net Investment Change                         | \$65,425       | \$65,425             |
| Ending Market Value                           | \$895,425      | \$895,425            |

|                                               |            |      |          |           |            |            |           |           |           |           | Ending June 30, 2023 |           |                   |        |  |  |  |  |  |  |
|-----------------------------------------------|------------|------|----------|-----------|------------|------------|-----------|-----------|-----------|-----------|----------------------|-----------|-------------------|--------|--|--|--|--|--|--|
|                                               | 2023<br>Q2 | Rank | YTD Rank | 1 Yr Rank | 3 Yrs Rank | 5 Yrs Rank | 2022 Rank | 2021 Rank | 2020 Rank | 2019 Rank | 2018 Rank            | Inception | Inception<br>Date |        |  |  |  |  |  |  |
| Northern Trust Collective Extended Index Fund | --         | --   | --       | --        | --         | --         | --        | --        | --        | --        | --                   | --        | 8.7%              | Apr-23 |  |  |  |  |  |  |
| Dow Jones U.S. Completion Total Stock Market  | --         | --   | --       | --        | --         | --         | --        | --        | --        | --        | --                   | --        | 8.8%              | Apr-23 |  |  |  |  |  |  |

Note: Returns are net of fees.

# UFCW-Giant Variable Annuity Fund - Northern Trust Collective Extended Index Fund

## Manager Summary

**Recommendation: None.**

## Compliance Summary

Manager verified the portfolio and individual holdings are currently, and have been during the past quarter, in compliance with the commingled investment vehicle guidelines and/or prospectus governing the management of the investment. With respect to the portfolio(s) under management, manager acknowledges sole fiduciary responsibility under ERISA for adherence with the commingled investment vehicle and/or prospectus guidelines.

**Items of Interest: Personnel Departures** - The manager stated Chris Vella (Head of Multi-Manager Solutions for Northern Trust Asset Management) left the firm, effective May 2023. Additionally, Marie Dzanis and Tom Swaney left the firm, effective June/July 2023. **Personnel Changes** - The manager stated Kelly Finegan, CFA, was promoted to the Head of Multi-Manager Solutions, effective May 2023. Additionally, Sheri Hawkins assumed the newly created role titled Head of Investment Platform Services, Paula Kar (Global Head of Product Strategy) assumed the role of Global Head of Product, replacing Sheri Hawkins, John McCareins became the Head of International Asset Management, and Angelo Manioudakis (Global Chief Investment Officer) will also serve as interim CIO of global fixed income, all effective June/July 2023. **Form ADV - ADV Part 1, Material Changes:** Updated Schedule A to add Chief Information Officer (March 2023 annual amendment) and to reflect leadership changes (April 2023), and removed Michael O' Grady as CEO and replaced with Daniel Gamba. **ADV Part 2, Material Changes:** Added Northern Trust Asset Management Australia Pty Ltd. as a participating affiliate in Item 10 (March 2023 annual amendment). **Legal** - The manager stated as one of the world's largest asset managers, Northern Trust Investments, Inc. ("NTI") is occasionally named as a defendant in asset management-related litigation. In the past 5 years, NTI has not been party to any litigation that has had a material effect on its ability to perform services for its clients. However, they do have one pending litigation case that involves them; Michael J. Iannone, Jr. and Nicole A. James v. AutoZone, Inc. (W.D. Tenn.). In September 2021, plan participants of the AutoZone, Inc. 401(k) Plan sued AutoZone, Inc., its Investment Committee, and Northern Trust Corporation and Northern Trust, Inc. (later described as Northern Trust Investments, Inc.) (collectively, "Defendants") as investment fiduciaries for breach of fiduciary duty in connection with the use of the GoalMaker® asset allocation service furnished by Prudential Insurance Company ("GoalMaker"). The Complaint alleges that the funds that Defendants selected for GoalMaker paid excessive investment management fees to Prudential and its affiliates while consistently underperforming benchmark indices and lower-cost index fund alternatives. **Errors and Omission** - The manager stated there was no change Northern Trust's Errors & Omissions insurance policy over the last quarter, and the policy was recently renewed for the period 30 June 2023 – 30 June 2024.

| Account Information |                                |
|---------------------|--------------------------------|
| Account Name        | Northern Trust EAFE Index Fund |
| Account Structure   | Commingled Fund                |
| Investment Style    | Passive                        |
| Inception Date      | 4/30/23                        |
| Account Type        | International Large Cap Equity |
| Benchmark           | MSCI EAFE                      |
| Universe            | eV All EAFE Equity Net         |

| Northern Trust EAFE Index Fund |                |                      |
|--------------------------------|----------------|----------------------|
| Ending June 30, 2023           |                |                      |
|                                | Second Quarter | Inception<br>4/30/23 |
| Beginning Market Value         | \$0            | \$0                  |
| Net Cash Flow                  | \$830,000      | \$830,000            |
| Net Investment Change          | \$3,126        | \$3,126              |
| Ending Market Value            | \$833,126      | \$833,126            |

| Ending June 30, 2023           |            |      |          |           |            |            |           |           |           |           |           |           | Inception | Inception Date |
|--------------------------------|------------|------|----------|-----------|------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------|
|                                | 2023<br>Q2 | Rank | YTD Rank | 1 Yr Rank | 3 Yrs Rank | 5 Yrs Rank | 2022 Rank | 2021 Rank | 2020 Rank | 2019 Rank | 2018 Rank | Inception |           |                |
| Northern Trust EAFE Index Fund | --         | --   | --       | --        | --         | --         | --        | --        | --        | --        | --        | --        | 0.0%      | Apr-23         |
| MSCI EAFE                      | --         | --   | --       | --        | --         | --         | --        | --        | --        | --        | --        | --        | 0.1%      | Apr-23         |

Note: Returns are net of fees.

# UFCW-Giant Variable Annuity Fund - Northern Trust EAFE Index Fund

## Manager Summary

**Recommendation: None.**

## Compliance Summary

Manager verified the portfolio and individual holdings are currently, and have been during the past quarter, in compliance with the commingled investment vehicle guidelines and/or prospectus governing the management of the investment. With respect to the portfolio(s) under management, manager acknowledges sole fiduciary responsibility under ERISA for adherence with the commingled investment vehicle and/or prospectus guidelines.

**Items of Interest: Personnel Departures** - The manager stated Chris Vella (Head of Multi-Manager Solutions for Northern Trust Asset Management) left the firm, effective May 2023. Additionally, Marie Dzanis and Tom Swaney left the firm, effective June/July 2023. **Personnel Changes** - The manager stated Kelly Finegan, CFA, was promoted to the Head of Multi-Manager Solutions, effective May 2023. Additionally, Sheri Hawkins assumed the newly created role titled Head of Investment Platform Services, Paula Kar (Global Head of Product Strategy) assumed the role of Global Head of Product, replacing Sheri Hawkins, John McCareins became the Head of International Asset Management, and Angelo Manioudakis (Global Chief Investment Officer) will also serve as interim CIO of global fixed income, all effective June/July 2023. **Form ADV - ADV Part 1, Material Changes:** Updated Schedule A to add Chief Information Officer (March 2023 annual amendment) and to reflect leadership changes (April 2023), and removed Michael O' Grady as CEO and replaced with Daniel Gamba. **ADV Part 2, Material Changes:** Added Northern Trust Asset Management Australia Pty Ltd. as a participating affiliate in Item 10 (March 2023 annual amendment). **Legal** - The manager stated as one of the world's largest asset managers, Northern Trust Investments, Inc. ("NTI") is occasionally named as a defendant in asset management-related litigation. In the past 5 years, NTI has not been party to any litigation that has had a material effect on its ability to perform services for its clients. However, they do have one pending litigation case that involves them; Michael J. Iannone, Jr. and Nicole A. James v. AutoZone, Inc. (W.D. Tenn.). In September 2021, plan participants of the AutoZone, Inc. 401(k) Plan sued AutoZone, Inc., its Investment Committee, and Northern Trust Corporation and Northern Trust, Inc. (later described as Northern Trust Investments, Inc.) (collectively, "Defendants") as investment fiduciaries for breach of fiduciary duty in connection with the use of the GoalMaker® asset allocation service furnished by Prudential Insurance Company ("GoalMaker"). The Complaint alleges that the funds that Defendants selected for GoalMaker paid excessive investment management fees to Prudential and its affiliates while consistently underperforming benchmark indices and lower-cost index fund alternatives. **Errors and Omission** - The manager stated there was no change Northern Trust's Errors & Omissions insurance policy over the last quarter, and the policy was recently renewed for the period 30 June 2023 – 30 June 2024.

| Account Information |                                    |
|---------------------|------------------------------------|
| Account Name        | First Eagle Global Value Fund, LP  |
| Account Structure   | Commingled Fund                    |
| Investment Style    | Active                             |
| Inception Date      | 6/01/23                            |
| Account Type        | Global Tactical Asset Allocation   |
| Benchmark           | 65% MSCI World Index/35% FTSE WGBI |
| Universe            |                                    |

| First Eagle Global Value Fund, LP |                |                     |
|-----------------------------------|----------------|---------------------|
| Ending June 30, 2023              |                |                     |
|                                   | Second Quarter | Inception<br>6/1/23 |
| Beginning Market Value            | --             | \$0                 |
| Net Cash Flow                     | \$830,000      | \$830,000           |
| Net Investment Change             | \$37,683       | \$37,683            |
| Ending Market Value               | \$867,683      | \$867,683           |

|                                          | Ending June 30, 2023 |     |      |       |       |      |      |      |      |      |           | Inception Date |
|------------------------------------------|----------------------|-----|------|-------|-------|------|------|------|------|------|-----------|----------------|
|                                          | 2023<br>Q2           | YTD | 1 Yr | 3 Yrs | 5 Yrs | 2022 | 2021 | 2020 | 2019 | 2018 | Inception |                |
| First Eagle Global Value Fund, LP        | --                   | --  | --   | --    | --    | --   | --   | --   | --   | --   | 4.6%      | Jun-23         |
| 65% MSCI World Index/35% FTSE WGBI       | --                   | --  | --   | --    | --    | --   | --   | --   | --   | --   | 3.9%      | Jun-23         |
| 65% MSCI World Value Index/35% FTSE WGBI | --                   | --  | --   | --    | --    | --   | --   | --   | --   | --   | 3.9%      | Jun-23         |

Note: Returns are gross of fees.

## UFCW-Giant Variable Annuity Fund - First Eagle Global Value Fund, LP

### Manager Summary

- IPS conducted due diligence meetings with First Eagle on October 26, 2021 and September 28, 2022.

**Recommendation: None.**

### Compliance Summary

Manager verified that the portfolio is currently, and has been during the past quarter, in compliance with the firm's commingled investment vehicle guidelines and/or offering document governing the management of the investment. With respect to the portfolio(s) under management, manager acknowledges sole fiduciary responsibility under ERISA for adherence with the commingled investment vehicle and/or offering document guidelines.

**Items of Interest: None.**

| Account Information |                                 |
|---------------------|---------------------------------|
| Account Name        | Chartwell Investment Partners   |
| Account Structure   | Separate Account                |
| Investment Style    | Active                          |
| Inception Date      | 4/30/23                         |
| Account Type        | Investment Grade Fixed Income   |
| Benchmark           | Bloomberg US Govt/Credit Int TR |
| Universe            |                                 |

| Chartwell Investment Partners |                |                      |
|-------------------------------|----------------|----------------------|
| Ending June 30, 2023          |                |                      |
|                               | Second Quarter | Inception<br>4/30/23 |
| Beginning Market Value        | \$0            | \$0                  |
| Net Cash Flow                 | \$8,715,000    | \$8,715,000          |
| Net Investment Change         | -\$39,885      | -\$39,885            |
| Ending Market Value           | \$8,675,115    | \$8,675,115          |

|                                 | Ending June 30, 2023 |     |      |       |       |      |      |      |      |      |           | Inception Date |
|---------------------------------|----------------------|-----|------|-------|-------|------|------|------|------|------|-----------|----------------|
|                                 | 2023<br>Q2           | YTD | 1 Yr | 3 Yrs | 5 Yrs | 2022 | 2021 | 2020 | 2019 | 2018 | Inception |                |
| Chartwell Investment Partners   | --                   | --  | --   | --    | --    | --   | --   | --   | --   | --   | -0.9%     | Apr-23         |
| Bloomberg US Govt/Credit Int TR | --                   | --  | --   | --    | --    | --   | --   | --   | --   | --   | -1.4%     | Apr-23         |

Note: Returns are gross of fees.

## UFCW-Giant Variable Annuity Fund - Chartwell Investment Partners

### Manager Summary

- IPS conducted due diligence meetings with Chartwell on January 19, 2021, July 22, 2021, July 19, 2022 and July 18, 2023.
- On October 20, 2021, Chartwell announced that their parent company, TriState Capital Holdings, has agreed to be acquired by Raymond James Financial. Upon closing of the transaction, Chartwell will become an affiliate of Carillon Tower, the asset management subsidiary of Raymond James Financial. Chartwell provided a letter to clients requesting acknowledgment and consent to the ownership change. IPS provided a memo recommending clients consent to the ownership change, subject to counsel review. Consent was provided. The transaction closed on June 1, 2022.

**Recommendation:** None.

### Compliance Summary

**Exceptions:** None.

**Action to be taken:** None.

**Items of Interest:** None.

| Account Information |                                             |
|---------------------|---------------------------------------------|
| Account Name        | MacKay Shields High Yield Bond Fund Class 2 |
| Account Structure   | Commingled Fund                             |
| Investment Style    | Active                                      |
| Inception Date      | 4/30/23                                     |
| Account Type        | High Yield Fixed Income                     |
| Benchmark           | ICE BofA US High Yield TR                   |
| Universe            |                                             |

| MacKay Shields High Yield Bond Fund Class 2 |                |                      |
|---------------------------------------------|----------------|----------------------|
| Ending June 30, 2023                        |                |                      |
|                                             | Second Quarter | Inception<br>4/30/23 |
| Beginning Market Value                      | \$0            | \$0                  |
| Net Cash Flow                               | \$1,245,000    | \$1,245,000          |
| Net Investment Change                       | \$7,769        | \$7,769              |
| Ending Market Value                         | \$1,252,769    | \$1,252,769          |

|                                             | Ending June 30, 2023 |     |      |       |       |      |      |      |      |      |           | Inception Date |
|---------------------------------------------|----------------------|-----|------|-------|-------|------|------|------|------|------|-----------|----------------|
|                                             | 2023<br>Q2           | YTD | 1 Yr | 3 Yrs | 5 Yrs | 2022 | 2021 | 2020 | 2019 | 2018 | Inception |                |
| MacKay Shields High Yield Bond Fund Class 2 | --                   | --  | --   | --    | --    | --   | --   | --   | --   | --   | 0.5%      | Apr-23         |
| ICE BofA US High Yield TR                   | --                   | --  | --   | --    | --    | --   | --   | --   | --   | --   | 0.7%      | Apr-23         |

Note: Returns are gross of fees.

## UFCW-Giant Variable Annuity Fund - MacKay Shields High Yield Bond Fund Class 2

### Manager Summary

- IPS conducted due diligence meetings with MacKay Shields on February 4, 2021, November 23, 2021 and May 25, 2022.

**Recommendation: None.**

### Compliance Summary

Manager verified the portfolio and individual holdings are currently, and have been during the past quarter, in compliance with the firm's commingled investment vehicle guidelines and/or prospectus governing the management of the investment. With respect to the portfolio(s) under management, MacKay Shields, LLC acknowledges that it is a fiduciary to the MacKay Shields High Yield Bond CIT in its capacity as an investment manager.

**Items of Interest: Personnel Departure** - The manager stated Stephen Cianci has left the firm and remained as an advisor until June 30, 2023. **Personnel Addition** - The manager stated Thomas Musmanno joined the Global Fixed Income portfolio management team and has taken on a newly created role of Chief Operating Officer of MacKay's non-Municipal fixed income business. **Personnel Changes** - Effective May 9, 2023, the Global Fixed Income Team will be co-led by Neil Moriarty and Michael DePalma. **Form ADV** - The manager stated on April 19, 2023, MacKay filed an Other-Than-Annual Amendment for the MacKay Shields LLC Form ADV Part 1A and Part 2A Brochure, following the registration of MacKay Shields UK LLP office with the UK's Financial Conduct Authority ("FCA"). MacKay updated the Global Credit team's ADV Part 2B Brochure Supplement to reflect the addition of the Emerging Market Debt team portfolio managers. On May 17, 2023, MacKay filed an Other-Than-Annual Amendment for the MacKay Shields LLC Form ADV Part 1A to reflect the New Jersey Office relocation on May 9, 2023. MacKay also updated its Form ADV Part 2B Brochure Supplements for the Global Fixed Income and Global Credit teams to reflect portfolio manager changes within the Global Fixed Income team. Where applicable, the 2B Brochure Supplements were updated to reflect the change in the New Jersey Office location.

| Account Information |                                |
|---------------------|--------------------------------|
| Account Name        | ARA Core Property Fund, LP     |
| Account Structure   | Commingled Fund                |
| Investment Style    | Active                         |
| Inception Date      | 7/01/22                        |
| Account Type        | Real Estate - Core             |
| Benchmark           | NCREIF ODCE Equal Weighted Net |
| Universe            |                                |

Income is reinvested.

| ARA Core Property Fund, LP |                |                     |
|----------------------------|----------------|---------------------|
| Ending June 30, 2023       |                |                     |
|                            | Second Quarter | Inception<br>7/1/22 |
| Beginning Market Value     | \$890,036      | \$0                 |
| Net Cash Flow              | \$0            | \$965,000           |
| Net Investment Change      | -\$22,145      | -\$97,109           |
| Ending Market Value        | \$867,891      | \$867,891           |

|                                | Ending June 30, 2023 |       |        |       |       |      |      |      |      |      |           |                   |
|--------------------------------|----------------------|-------|--------|-------|-------|------|------|------|------|------|-----------|-------------------|
|                                | 2023<br>Q2           | YTD   | 1 Yr   | 3 Yrs | 5 Yrs | 2022 | 2021 | 2020 | 2019 | 2018 | Inception | Inception<br>Date |
| ARA Core Property Fund, LP     | -2.2%                | -5.4% | -9.1%  | --    | --    | --   | --   | --   | --   | --   | -9.1%     | Jul-22            |
| NCREIF ODCE Equal Weighted Net | -3.0%                | -6.4% | -10.4% | --    | --    | --   | --   | --   | --   | --   | -10.4%    | Jul-22            |

Note: Returns are gross of fees.

## UFCW-Giant Variable Annuity Fund - ARA Core Property Fund, LP

### Manager Summary

- IPS conducted due diligence meetings with American Realty Advisors on November 16, 2021, August 3, 2022 and June 29, 2023.
- On August 24, 2022, ARA announced the implementation of a withdrawal queue effective September 30, 2022.
- On May 27, 2021, ARA announced that the American Core Realty Fund, LP will be changing its name to the ARA Core Property Fund, LP. No changes are expected in the strategy or objectives of the Fund as a result.

**Recommendation: None.**

### Compliance Summary

Manager verified that the portfolio is currently, and has been during the past quarter, in compliance with the firm's commingled investment vehicle investment guidelines and/or offering document governing the management of the investment. With respect to the portfolio(s) under management, manager acknowledges sole fiduciary responsibility under ERISA for adherence with the commingled investment vehicle and/or offering document guidelines.

**Items of Interest: Liquidity** - The manager stated that partial redemption payments were made for all requests timely recieved for the June 30, 2023 redemption date. The number of quarters required to satisfy outstanding redemptions requests is uncertain and depends on market conditions, but ARA anticipates that the Fund will make partial payments for requests that were timely recieved for the September 30, 2023 redemption date and that a queue will be in place in third quarter of 2023. **Derivatives** - The manager stated yes to Part A question #5, however ARA does not perform stress testing as the Fund only holds one derivative security for interest rate hedging purposes.

| Account Information |                                             |
|---------------------|---------------------------------------------|
| Account Name        | Hamilton Lane Private Assets Fund - Class I |
| Account Structure   | Commingled Fund                             |
| Investment Style    | Active                                      |
| Inception Date      | 5/31/23                                     |
| Account Type        | Private Equity                              |
| Benchmark           |                                             |
| Universe            |                                             |

| Hamilton Lane Private Assets Fund - Class I |                |                      |
|---------------------------------------------|----------------|----------------------|
| Ending June 30, 2023                        |                |                      |
|                                             | Second Quarter | Inception<br>5/31/23 |
| Beginning Market Value                      | --             | \$0                  |
| Net Cash Flow                               | \$830,000      | \$830,000            |
| Net Investment Change                       | \$26,163       | \$26,163             |
| Ending Market Value                         | \$856,163      | \$856,163            |

|                                             | Ending June 30, 2023 |     |      |       |       |      |      |      |      |      |           | Inception Date |
|---------------------------------------------|----------------------|-----|------|-------|-------|------|------|------|------|------|-----------|----------------|
|                                             | 2023<br>Q2           | YTD | 1 Yr | 3 Yrs | 5 Yrs | 2022 | 2021 | 2020 | 2019 | 2018 | Inception |                |
| Hamilton Lane Private Assets Fund - Class I | --                   | --  | --   | --    | --    | --   | --   | --   | --   | --   | 3.1%      | May-23         |

Note: Returns are gross of fees.

## UFCW-Giant Variable Annuity Fund - Hamilton Lane Private Assets Fund - Class I

### Manager Summary

- IPS conducted due diligence meetings with Hamilton Lane on May 18, 2021, December 20, 2021 and June 1, 2023.

**Recommendation: None.**

### Compliance Summary

Manager stated with regard to Hamilton Lane Private Assets Fund, the investment in the fund is governed by the Limited Partnership Agreement of the fund; the fund is currently, and has been during the past quarter, covered by insurance to the level specified in such agreement and in compliance in all material respects with such agreement. With respect to the portfolio(s) under management, the manager acknowledges sole fiduciary responsibility under ERISA for adherence with the commingled investment vehicle and/or offering document guidelines.

**Items of Interest: Compliance** – In the 2Q 2023 Compliance Checklist, the manager responded N/A to the following questions and referenced Schedule I, Number 2, which states the investment in the fund is governed by the Limited Partnership Agreement of the fund (see above for statement from Schedule 1): *Part B Question 7* – Does the amount of insurance coverage meet or exceed the minimum amount required through your investment management contract with the Fund and the minimum amount required through the Fund's Investment Policy Statement? *Part B Question 8* – Is your firm adhering to the communication and reporting requirements as defined in the Fund's investment policy statement? *Part B Question 10* – Does the coverage amount meet the requirements in the Fund's Investment Policy Statement? **Personnel Departure** - The manager stated on April 14, 2023, Fred Shaw, Chief Risk Officer, resigned. **Personnel Changes** - The manager stated Andrea Kramer was immediately appointed as interim Chief Risk Officer. Additionally, on May 8, 2023, Andrea Kramer was appointed as Chief Operating Officer. Please find the updated organizational chart as of May 12, 2023 attached. **Form ADV** - The manager stated that an annual amendment was filed to the Form ADV on June 29, 2023. Please see the full Compliance Report for the Form ADV Part 2A.

## Investment Policy Statement

- The current investment policy was adopted on December 10, 2022.

## Custody Bank

- PNC.
- Separate account market values and flows are derived from the custodial statement.

## Commingled Funds

- Commingled Fund: Due to the commingled fund structure, IPS does not monitor the holdings within the commingled fund for compliance with the client's investment policy statement. The commingled fund is governed by its own investment policy.
- Commingled fund market values and flows are derived from the manager statement.



# **UFCW-Giant Variable Annuity Fund**

## Appendix

**UFCW-Giant Variable Annuity Fund**  
**Master Consulting Services Report as of June 30, 2023**

**Performance Detail (Gross of Fees)**

|                                                             | Market Value        | % of Portfolio | Ending June 30, 2023 |               |              |                   |
|-------------------------------------------------------------|---------------------|----------------|----------------------|---------------|--------------|-------------------|
|                                                             |                     |                | 2023<br>Q2           | Fiscal<br>YTD | Inception    | Inception<br>Date |
| <b>Total Fund</b>                                           | <b>\$19,683,693</b> | <b>100.0%</b>  | <b>0.8%</b>          | <b>0.6%</b>   | <b>0.4%</b>  | <b>Jul-22</b>     |
| <b>Total Domestic Large Cap Equity</b>                      | <b>\$1,342,521</b>  | <b>6.8%</b>    | <b>--</b>            | <b>--</b>     | <b>7.1%</b>  | <b>Apr-23</b>     |
| Northern Trust Russell 1000 Growth Index Fund - Non-Lending | \$702,771           | 3.6%           | --                   | --            | 11.7%        | Apr-23            |
| <i>Russell 1000 Growth</i>                                  |                     |                | --                   | --            | 11.7%        | Apr-23            |
| Northern Trust Russell 1000 Value Index Fund - Non-Lending  | \$639,751           | 3.3%           | --                   | --            | 2.6%         | Apr-23            |
| <i>Russell 1000 Value</i>                                   |                     |                | --                   | --            | 2.5%         | Apr-23            |
| <b>Total Domestic Small/Mid Cap Equity</b>                  | <b>\$895,425</b>    | <b>4.5%</b>    | <b>--</b>            | <b>--</b>     | <b>8.8%</b>  | <b>Apr-23</b>     |
| Northern Trust Collective Extended Index Fund               | \$895,425           | 4.5%           | --                   | --            | 8.8%         | Apr-23            |
| <i>Dow Jones U.S. Completion Total Stock Market</i>         |                     |                | --                   | --            | 8.8%         | Apr-23            |
| <b>Total International Equity</b>                           | <b>\$833,126</b>    | <b>4.2%</b>    | <b>--</b>            | <b>--</b>     | <b>0.0%</b>  | <b>Apr-23</b>     |
| Northern Trust EAFE Index Fund                              | \$833,126           | 4.2%           | --                   | --            | 0.0%         | Apr-23            |
| <i>MSCI EAFE</i>                                            |                     |                | --                   | --            | 0.1%         | Apr-23            |
| <b>Total Global Tactical Asset Allocation</b>               | <b>\$867,683</b>    | <b>4.4%</b>    | <b>--</b>            | <b>--</b>     | <b>4.6%</b>  | <b>Jun-23</b>     |
| First Eagle Global Value Fund, LP                           | \$867,683           | 4.4%           | --                   | --            | 4.6%         | Jun-23            |
| <i>65% MSCI World Index/35% FTSE WGBI</i>                   |                     |                | --                   | --            | 3.9%         | Jun-23            |
| <i>65% MSCI World Value Index/35% FTSE WGBI</i>             |                     |                | --                   | --            | 3.9%         | Jun-23            |
| <b>Investment Grade Fixed Income</b>                        | <b>\$8,675,115</b>  | <b>44.1%</b>   | <b>--</b>            | <b>--</b>     | <b>-0.9%</b> | <b>Apr-23</b>     |
| Chartwell Investment Partners                               | \$8,675,115         | 44.1%          | --                   | --            | -0.9%        | Apr-23            |
| <i>Bloomberg US Govt/Credit Int TR</i>                      |                     |                | --                   | --            | -1.4%        | Apr-23            |

**UFCW-Giant Variable Annuity Fund**  
**Master Consulting Services Report as of June 30, 2023**

**Performance Detail (Gross of Fees)**

|                                             | Market Value       | % of Portfolio | Ending June 30, 2023 |               |              |                   |
|---------------------------------------------|--------------------|----------------|----------------------|---------------|--------------|-------------------|
|                                             |                    |                | 2023<br>Q2           | Fiscal<br>YTD | Inception    | Inception<br>Date |
| <b>Total High Yield Fixed Income</b>        | <b>\$1,252,769</b> | <b>6.4%</b>    | --                   | --            | 0.5%         | <b>Apr-23</b>     |
| MacKay Shields High Yield Bond Fund Class 2 | \$1,252,769        | 6.4%           | --                   | --            | 0.5%         | Apr-23            |
| ICE BofA US High Yield TR                   |                    |                | --                   | --            | 0.7%         | Apr-23            |
| <b>Total Real Estate - Core</b>             | <b>\$867,891</b>   | <b>4.4%</b>    | <b>-2.2%</b>         | <b>-5.4%</b>  | <b>-9.1%</b> | <b>Jul-22</b>     |
| ARA Core Property Fund, LP                  | \$867,891          | 4.4%           | -2.2%                | -5.4%         | -9.1%        | Jul-22            |
| NCREIF ODCE Equal Weighted Net              |                    |                | -3.0%                | -6.4%         | -10.4%       | Jul-22            |
| <b>Total Private Equity</b>                 | <b>\$856,163</b>   | <b>4.3%</b>    | --                   | --            | 3.1%         | <b>May-23</b>     |
| Hamilton Lane Private Assets Fund - Class I | \$856,163          | 4.3%           | --                   | --            | 3.1%         | May-23            |
| <b>Total Cash Equivalents</b>               | <b>\$4,093,000</b> | <b>20.8%</b>   |                      |               |              |                   |
| Cash Account                                | \$4,093,000        | 20.8%          |                      |               |              |                   |

**UFCW-Giant Variable Annuity Fund**  
**Master Consulting Services Report as of June 30, 2023**

| Account                                                     | Fee Schedule                                                            | Market Value<br>As of 6/30/2023 | % of Portfolio | Estimated Annual<br>Fee (\$) | Estimated Annual<br>Fee (%) |
|-------------------------------------------------------------|-------------------------------------------------------------------------|---------------------------------|----------------|------------------------------|-----------------------------|
| <b>Total Domestic Large Cap Equity</b>                      | -                                                                       | <b>\$1,342,521</b>              | <b>6.8%</b>    | <b>--</b>                    | <b>--</b>                   |
| Northern Trust Russell 1000 Growth Index Fund - Non-Lending | 0.04% of Assets                                                         | \$702,771                       | 3.6%           | \$281                        | 0.04%                       |
| Northern Trust Russell 1000 Value Index Fund - Non-Lending  | 0.04% of Assets                                                         | \$639,751                       | 3.3%           | \$256                        | 0.04%                       |
| <b>Total Domestic Small/Mid Cap Equity</b>                  | -                                                                       | <b>\$895,425</b>                | <b>4.5%</b>    | <b>--</b>                    | <b>--</b>                   |
| Northern Trust Collective Extended Index Fund               | 0.07% of Assets                                                         | \$895,425                       | 4.5%           | \$627                        | 0.07%                       |
| <b>Total International Equity</b>                           | -                                                                       | <b>\$833,126</b>                | <b>4.2%</b>    | <b>--</b>                    | <b>--</b>                   |
| Northern Trust EAFE Index Fund                              | 0.08% of Assets                                                         | \$833,126                       | 4.2%           | \$667                        | 0.08%                       |
| <b>Total Global Tactical Asset Allocation</b>               | -                                                                       | <b>\$867,683</b>                | <b>4.4%</b>    | <b>--</b>                    | <b>--</b>                   |
| First Eagle Global Value Fund, LP                           | 0.75% of Assets                                                         | \$867,683                       | 4.4%           | \$6,508                      | 0.75%                       |
| <b>Investment Grade Fixed Income</b>                        | -                                                                       | <b>\$8,675,115</b>              | <b>44.1%</b>   | <b>--</b>                    | <b>--</b>                   |
| Chartwell Investment Partners                               | 0.25% of First 20.0 Mil,<br>0.20% of Next 30.0 Mil,<br>0.15% Thereafter | \$8,675,115                     | 44.1%          | \$21,688                     | 0.25%                       |
| <b>Total High Yield Fixed Income</b>                        | -                                                                       | <b>\$1,252,769</b>              | <b>6.4%</b>    | <b>--</b>                    | <b>--</b>                   |
| MacKay Shields High Yield Bond Fund Class 2                 | 0.45% of Assets                                                         | \$1,252,769                     | 6.4%           | \$5,637                      | 0.45%                       |
| <b>Total Real Estate - Core</b>                             | -                                                                       | <b>\$867,891</b>                | <b>4.4%</b>    | <b>--</b>                    | <b>--</b>                   |
| ARA Core Property Fund, LP                                  | 1.10% of Assets                                                         | \$867,891                       | 4.4%           | \$9,547                      | 1.10%                       |
| <b>Total Private Equity</b>                                 | -                                                                       | <b>\$856,163</b>                | <b>4.3%</b>    | <b>--</b>                    | <b>--</b>                   |
| Hamilton Lane Private Assets Fund - Class I                 | 1.50% of Assets                                                         | \$856,163                       | 4.3%           | \$12,842                     | 1.50%                       |
| <b>Total Cash Equivalents</b>                               | -                                                                       | <b>\$4,093,000</b>              | <b>20.8%</b>   | <b>--</b>                    | <b>--</b>                   |
| Cash Account                                                | -                                                                       | \$4,093,000                     | 20.8%          | --                           | --                          |
| <b>Investment Management Fee</b>                            |                                                                         | <b>\$19,683,693</b>             | <b>100.0%</b>  | <b>\$58,052</b>              | <b>0.29%</b>                |

Note: The above fee schedules may not include incentive fees, operating expenses, custodian fees, or other administrative costs.

**Index Disclosure**

- 65% MSCI World Value Index/35% FTSE WGBI - Index listed for illustrative purposes.
- The NCREIF Fund Index - Open End Diversified Core Equity (NFI-ODCE) is a non-investable, time-weighted index comprised of the time weighted returns of approximately 40 open-end commingled funds pursuing a core private real estate investment strategy. The constituent funds qualify for inclusion in the NFI-ODCE based on specific criteria regarding their percentage of net assets invested in private equity real estate, geography, property type, life cycle, diversification and use of leverage. Constituent funds must also comply with the NCREIF PREA Reporting Standards, including annual audits, quarterly valuations and time-weighted returns. The NFI-ODCE returns are mainly driven by the underlying property investments in the constituent funds but can also be impacted by each funds use of leverage, cash balances, fund costs, etc. Returns shown are for the NFI-ODCE Equal Weight Index (fund constituents are equally-weighted), net of fees.

**Footnotes**

- Values, flows, and returns for all commingled funds, mutual funds, partnerships, and all other alternative assets are provided by the firm managing the assets and cannot be independently verified by IPS.
- Separately managed account returns are calculated by IPS using custodian data.
- The net of fees returns in this report are estimated. Fees do not include: the investment consulting fee paid to IPS, custodian fees, or other administrative costs.



# **UFCW-Giant Variable Annuity Fund**

Preliminary Monthly Performance Update

Period Ended

July 31, 2023

**UFCW-Giant Variable Annuity Fund**  
**Preliminary Monthly Performance Update as of July 31, 2023**

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| <b>Total Fund Growth of Assets</b> |                   |                            |
|------------------------------------|-------------------|----------------------------|
|                                    | <b>Last Month</b> | <b>Fiscal Year-To-Date</b> |
| Beginning Market Value             | \$19,683,693      | \$16,867,349               |
| Net Cash Flow                      | \$16,475,710      | \$19,149,123               |
| Net Investment Change              | \$199,294         | \$342,225                  |
| Ending Market Value                | \$36,358,697      | \$36,358,697               |

|                        | <b>Last Month</b> | <b>Fiscal Year-To-Date</b> |
|------------------------|-------------------|----------------------------|
| Beginning Market Value | \$19,683,693      | \$16,867,349               |
| Net Cash Flow          | \$16,475,710      | \$19,149,123               |
| Net Investment Change  | \$199,294         | \$342,225                  |
| Ending Market Value    | \$36,358,697      | \$36,358,697               |

- The Fund's fiscal year end is December 31st.

**UFCW-Giant Variable Annuity Fund**  
**Preliminary Monthly Performance Update as of July 31, 2023**

| Current vs. Policy               |                     |               |               |               |            |               |
|----------------------------------|---------------------|---------------|---------------|---------------|------------|---------------|
|                                  | Current             | Current       | Policy        | Policy Range  | Difference | Difference    |
| Domestic Large Cap Equity        | \$1,388,666         | 3.8%          | 7.5%          | 2.5% - 12.5%  | -3.7%      | -\$1,338,236  |
| Domestic Small/Mid Cap Equity    | \$948,228           | 2.6%          | 5.0%          | 0.0% - 10.0%  | -2.4%      | -\$869,707    |
| International Equity             | \$860,267           | 2.4%          | 5.0%          | 0.0% - 10.0%  | -2.6%      | -\$957,667    |
| Global Tactical Asset Allocation | \$888,493           | 2.4%          | 5.0%          | 0.0% - 10.0%  | -2.6%      | -\$929,442    |
| Investment Grade Fixed Income    | \$8,711,000         | 24.0%         | 52.5%         | 47.5% - 57.5% | -28.5%     | -\$10,377,316 |
| High Yield Fixed Income          | \$1,269,278         | 3.5%          | 7.5%          | 2.5% - 12.5%  | -4.0%      | -\$1,457,624  |
| Real Estate - Core               | \$867,891           | 2.4%          | 5.0%          | 0.0% - 10.0%  | -2.6%      | -\$950,044    |
| Real Estate - Value Add          | \$0                 | 0.0%          | 7.5%          | 2.5% - 12.5%  | -7.5%      | -\$2,726,902  |
| Private Equity                   | \$856,163           | 2.4%          | 5.0%          | 0.0% - 10.0%  | -2.6%      | -\$961,772    |
| Cash Equivalents                 | \$20,568,710        | 56.6%         | 0.0%          | 0.0% - 0.0%   | 56.6%      | \$20,568,710  |
| <b>Total</b>                     | <b>\$36,358,697</b> | <b>100.0%</b> | <b>100.0%</b> |               |            |               |

- Policy adopted March 2023; effective TBD (pending capital calls).
- Cash equivalents allocation includes:
  - \$5.2M that was used for rebalancing in August 2023.

**UFCW-Giant Variable Annuity Fund**  
**Preliminary Monthly Performance Update as of July 31, 2023**

**Performance Detail (Net of Fees)**

|                                                             | Market Value        | % of Portfolio | Ending July 31, 2023 |             |
|-------------------------------------------------------------|---------------------|----------------|----------------------|-------------|
|                                                             |                     |                | 1 Mo                 | Fiscal YTD  |
| <b>Total Fund</b>                                           | <b>\$36,358,697</b> | <b>100.0%</b>  | <b>0.5%</b>          | <b>1.1%</b> |
| <b>Total Domestic Large Cap Equity</b>                      | <b>\$1,388,666</b>  | <b>3.8%</b>    | <b>3.4%</b>          | <b>--</b>   |
| Northern Trust Russell 1000 Growth Index Fund - Non-Lending | \$726,442           | 2.0%           | 3.4%                 | --          |
| <i>Russell 1000 Growth</i>                                  |                     |                | 3.4%                 | --          |
| Northern Trust Russell 1000 Value Index Fund - Non-Lending  | \$662,224           | 1.8%           | 3.5%                 | --          |
| <i>Russell 1000 Value</i>                                   |                     |                | 3.5%                 | --          |
| <b>Total Domestic Small/Mid Cap Equity</b>                  | <b>\$948,228</b>    | <b>2.6%</b>    | <b>5.9%</b>          | <b>--</b>   |
| Northern Trust Collective Extended Index Fund               | \$948,228           | 2.6%           | 5.9%                 | --          |
| <i>Dow Jones U.S. Completion Total Stock Market</i>         |                     |                | 5.9%                 | --          |
| <b>Total International Equity</b>                           | <b>\$860,267</b>    | <b>2.4%</b>    | <b>3.3%</b>          | <b>--</b>   |
| Northern Trust EAFE Index Fund                              | \$860,267           | 2.4%           | 3.3%                 | --          |
| <i>MSCI EAFE</i>                                            |                     |                | 3.2%                 | --          |
| <b>Total Global Tactical Asset Allocation</b>               | <b>\$888,493</b>    | <b>2.4%</b>    | <b>2.4%</b>          | <b>--</b>   |
| First Eagle Global Value Fund, LP                           | \$888,493           | 2.4%           | 2.4%                 | --          |
| <i>65% MSCI World Index/35% FTSE WGBI</i>                   |                     |                | 2.3%                 | --          |
| <i>65% MSCI World Value Index/35% FTSE WGBI</i>             |                     |                | 2.6%                 | --          |
| <b>Investment Grade Fixed Income</b>                        | <b>\$8,711,000</b>  | <b>24.0%</b>   | <b>0.4%</b>          | <b>--</b>   |
| Chartwell Investment Partners                               | \$8,711,000         | 24.0%          | 0.4%                 | --          |
| <i>Bloomberg US Govt/Credit Int TR</i>                      |                     |                | 0.3%                 | --          |

**UFCW-Giant Variable Annuity Fund**  
**Preliminary Monthly Performance Update as of July 31, 2023**

**Performance Detail (Net of Fees)**

|                                             | Market Value        | % of Portfolio | Ending July 31, 2023 |            |
|---------------------------------------------|---------------------|----------------|----------------------|------------|
|                                             |                     |                | 1 Mo                 | Fiscal YTD |
| <b>Total High Yield Fixed Income</b>        | <b>\$1,269,278</b>  | <b>3.5%</b>    | <b>1.3%</b>          | <b>--</b>  |
| MacKay Shields High Yield Bond Fund Class 2 | \$1,269,278         | 3.5%           | 1.3%                 | --         |
| ICE BofA US High Yield TR                   |                     |                | 1.4%                 | --         |
| <b>Total Real Estate - Core</b>             | <b>\$867,891</b>    | <b>2.4%</b>    |                      |            |
| ARA Core Property Fund, LP                  | \$867,891           | 2.4%           |                      |            |
| <b>Total Private Equity</b>                 | <b>\$856,163</b>    | <b>2.4%</b>    |                      |            |
| Hamilton Lane Private Assets Fund - Class I | \$856,163           | 2.4%           |                      |            |
| <b>Total Cash Equivalents</b>               | <b>\$20,568,710</b> | <b>56.6%</b>   |                      |            |
| Cash Account                                | \$20,568,710        | 56.6%          |                      |            |

**UFCW-Giant Variable Annuity Fund**  
**Preliminary Monthly Performance Update as of July 31, 2023**

**Performance Detail (Gross of Fees)**

|                                                             | Market Value        | % of Portfolio | Ending July 31, 2023 |             |
|-------------------------------------------------------------|---------------------|----------------|----------------------|-------------|
|                                                             |                     |                | 1 Mo                 | Fiscal YTD  |
| <b>Total Fund</b>                                           | <b>\$36,358,697</b> | <b>100.0%</b>  | <b>0.6%</b>          | <b>1.2%</b> |
| <b>Total Domestic Large Cap Equity</b>                      | <b>\$1,388,666</b>  | <b>3.8%</b>    | <b>3.4%</b>          | <b>--</b>   |
| Northern Trust Russell 1000 Growth Index Fund - Non-Lending | \$726,442           | 2.0%           | 3.4%                 | --          |
| <i>Russell 1000 Growth</i>                                  |                     |                | 3.4%                 | --          |
| Northern Trust Russell 1000 Value Index Fund - Non-Lending  | \$662,224           | 1.8%           | 3.5%                 | --          |
| <i>Russell 1000 Value</i>                                   |                     |                | 3.5%                 | --          |
| <b>Total Domestic Small/Mid Cap Equity</b>                  | <b>\$948,228</b>    | <b>2.6%</b>    | <b>5.9%</b>          | <b>--</b>   |
| Northern Trust Collective Extended Index Fund               | \$948,228           | 2.6%           | 5.9%                 | --          |
| <i>Dow Jones U.S. Completion Total Stock Market</i>         |                     |                | 5.9%                 | --          |
| <b>Total International Equity</b>                           | <b>\$860,267</b>    | <b>2.4%</b>    | <b>3.3%</b>          | <b>--</b>   |
| Northern Trust EAFE Index Fund                              | \$860,267           | 2.4%           | 3.3%                 | --          |
| <i>MSCI EAFE</i>                                            |                     |                | 3.2%                 | --          |
| <b>Total Global Tactical Asset Allocation</b>               | <b>\$888,493</b>    | <b>2.4%</b>    | <b>2.5%</b>          | <b>--</b>   |
| First Eagle Global Value Fund, LP                           | \$888,493           | 2.4%           | 2.5%                 | --          |
| <i>65% MSCI World Index/35% FTSE WGBI</i>                   |                     |                | 2.3%                 | --          |
| <i>65% MSCI World Value Index/35% FTSE WGBI</i>             |                     |                | 2.6%                 | --          |
| <b>Investment Grade Fixed Income</b>                        | <b>\$8,711,000</b>  | <b>24.0%</b>   | <b>0.4%</b>          | <b>--</b>   |
| Chartwell Investment Partners                               | \$8,711,000         | 24.0%          | 0.4%                 | --          |
| <i>Bloomberg US Govt/Credit Int TR</i>                      |                     |                | 0.3%                 | --          |

**UFCW-Giant Variable Annuity Fund**  
**Preliminary Monthly Performance Update as of July 31, 2023**

**Performance Detail (Gross of Fees)**

|                                             | Market Value        | % of Portfolio | Ending July 31, 2023 |            |
|---------------------------------------------|---------------------|----------------|----------------------|------------|
|                                             |                     |                | 1 Mo                 | Fiscal YTD |
| <b>Total High Yield Fixed Income</b>        | <b>\$1,269,278</b>  | <b>3.5%</b>    | <b>1.4%</b>          | <b>--</b>  |
| MacKay Shields High Yield Bond Fund Class 2 | \$1,269,278         | 3.5%           | 1.4%                 | --         |
| ICE BofA US High Yield TR                   |                     |                | 1.4%                 | --         |
| <b>Total Real Estate - Core</b>             | <b>\$867,891</b>    | <b>2.4%</b>    |                      |            |
| ARA Core Property Fund, LP                  | \$867,891           | 2.4%           |                      |            |
| <b>Total Private Equity</b>                 | <b>\$856,163</b>    | <b>2.4%</b>    |                      |            |
| Hamilton Lane Private Assets Fund - Class I | \$856,163           | 2.4%           |                      |            |
| <b>Total Cash Equivalents</b>               | <b>\$20,568,710</b> | <b>56.6%</b>   |                      |            |
| Cash Account                                | \$20,568,710        | 56.6%          |                      |            |

**Index Disclosure**

- 65% MSCI World Value Index/35% FTSE WGBI - Index listed for illustrative purposes.

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- The net of fees returns in this report are estimated. Fees do not include: the investment consulting fee paid to IPS, custodian fees, or other administrative costs.
- The following managers are valued as of June 30, 2023, plus or minus flows:
  - ARA Core Property Fund, LP
  - Hamilton Lane Private Assets Fund - Class I
- In July 2023, \$16.5M was contributed to cash equivalents (Cash Account).
- In July 2023, \$18K was withdrawn from cash equivalents (Cash Account).

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# Glossary of Investment Terminology

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|                         |                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Total Return            | The annual return on an investment including appreciation, depreciation and income (interest, dividends, net operating income).                                                                                                                                                                                                                                                                   |
| Alpha                   | The excess return (positive or negative) generated by active portfolio management and security selection, relative to a benchmark.                                                                                                                                                                                                                                                                |
| Beta                    | A historical measure of an investment's volatility relative to the market. The beta of the market is 1.0 (as represented by a benchmark such as the S&P 500 Index). A beta of greater than 1.0 indicates an investment with greater volatility than the benchmark. A beta of less than 1.0 indicates less volatility than the benchmark.                                                          |
| Standard Deviation      | Standard deviation is a statistical measurement of the dispersion of a set of data from its mean. The more spread apart the data are, the greater the standard deviation.                                                                                                                                                                                                                         |
| Risk                    | For an investment portfolio, risk is typically defined as the volatility of the returns, as measured by calculating the standard deviation. The risk does not necessarily indicate the risk of loss, but does indicate the risk of inconsistent returns.                                                                                                                                          |
| Capture Ratio           | Calculates how well a manager performs in a rising or falling market as a percentage of a benchmark. In a rising market, a percentage of 100 or better is preferred, and indicates the manager exceeded the benchmark (upside capture ratio). In a falling market, a percentage of less than 100 is preferred, indicating that the manager lost less than the benchmark (downside capture ratio). |
| Correlation             | A statistical measure of how two asset classes perform in relation to each other. Asset classes with a correlation of 1.0 have perfect positive correlation (exactly the same). Assets with perfect negative correlation of -1.0 will perform equally but in opposite directions.                                                                                                                 |
| Efficient Frontier      | A series of portfolios with the maximum expected return for any level of risk, which is calculated based on assumptions of risk, return and correlation. These portfolios are shown graphically on a risk and return chart, and represent the most efficient tradeoff between risk and return.                                                                                                    |
| Market Cap              | The dollar value of a corporation, which is calculated by multiplying the share price and the number of outstanding shares.                                                                                                                                                                                                                                                                       |
| Large Cap               | Stocks which typically have a market capitalization of \$10 billion or higher.                                                                                                                                                                                                                                                                                                                    |
| Mid Cap                 | Stocks which typically have a market capitalization of \$2 to \$10 billion.                                                                                                                                                                                                                                                                                                                       |
| Small Cap               | Stocks which typically have a market capitalization of \$2 billion or less.                                                                                                                                                                                                                                                                                                                       |
| Geometric Calculation   | Geometric Calculations are used when determining an annualized investment return and tends to dampen the effect of very high or very low values. The result is a number that is smaller than (or equal to) the arithmetic average of the values.                                                                                                                                                  |
| Compound Annual Returns | Compound annual returns show the annual investment return, assuming the investment grew at a constant rate, and reflects the impact of the time in the calculation of an investment return.                                                                                                                                                                                                       |
| Return/Risk Ratio       | The return/risk ratio is the expected return of an investment divided by the expected standard deviation (risk). When comparing return/risk ratios a higher value is presumed to be better than a lower value                                                                                                                                                                                     |

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**Disclaimer:**

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## EPIC

May 3-5, 2023

The following investment managers and providers attended and helped to defray the cost of IPS' annual conference EPIC. EPIC is an educational conference addressing various issues related to employee benefit plans. IPS does not give preferential treatment to investment managers or any other provider that pays to attend EPIC.

|                                      |                                    |                                     |
|--------------------------------------|------------------------------------|-------------------------------------|
| Amalgamated Bank of Chicago          | GoldenTree Asset Management        | Oaktree Capital Management          |
| American Realty Advisors             | Great Lakes Advisors               | Old Glory Asset Management          |
| Ares Management                      | Hamilton Lane Advisors             | Partners Group                      |
| Aristotle                            | Hardman Johnston Global Advisors   | Patriot Financial Partners          |
| ASB Real Estate Investments          | HPS Partners                       | PNC Capital Advisors                |
| Atlanta Capital Management           | Intercontinental Real Estate Corp. | Post Advisory Group                 |
| Barrow Hanley Global Investors       | Invesco Advisers, Inc.             | Principal Financial Group           |
| BentallGreenOak                      | Janus Henderson Investors          | Principal Life Insurance            |
| BNY Mellon Asset Management (Mellon) | John Hancock                       | Raymond James Investment Management |
| Boston Partners Global Investors     | JP Morgan Asset Management         | Richmond Capital Mgmt               |
| Boyd Watterson Asset Management      | Kearney Capital LLC                | Schroders Investment Management     |
| Capital Group                        | Kelson Group                       | Segall Bryant & Hamill              |
| Chartwell Investment Partners        | Lazard Asset Management            | Sierra Investment Partners          |
| Christenson Investment Partners      | Loomis, Sayles & Company           | Smith Graham & Co.                  |
| Columbia Threadneedle Investments    | Lord Abbett & Co.                  | State Street Global Advisors        |
| Constitution Capital Equity Partners | LSV Asset Management               | Stonepeak Partners                  |
| Corbin Capital Partners              | Lyrical Asset Management           | Ullico Investment Company           |
| Earnest Partners                     | MacKay Shields                     | Vanguard                            |
| Empower                              | McMorgan & Company                 | Victory Capital Management          |
| EnTrust Global                       | Manning & Napier                   | Vista Underwriting                  |
| Fidelity Investments                 | Manulife                           | Washington Capital Management       |
| First Eagle Investment Mgmt.         | Mesirow Private Equity             | WEDGE Capital Management            |
| Foundry Partners                     | National Investment Services       | Wellington Management Company       |
| Fred Alger Management                | National Real Estate Investors     | Westfield Capital Management        |
| GAMCO Asset Management               | Neuberger Berman                   | Westport Capital Partners           |
| GCM Grosvenor                        | Northern Trust Asset Management    | William Blair & Company             |
| Glouston Capital Partners            | Nuveen Investment Group            | Xponance                            |