

As of June 30, 2023

Quarterly Review



Agenda

- 1. Economic and Market Update
- 2. Executive Summary
 - Aggregate Plan Overview
 - Manager Highlights
 - Second Quarter Manager Summary
 - Watch List
 - Market Environment 2Q23 Overview
- 3. 2Q23 Review
- 4. Glossary and Notes

Economic and Market Update

Data as of July 31, 2023

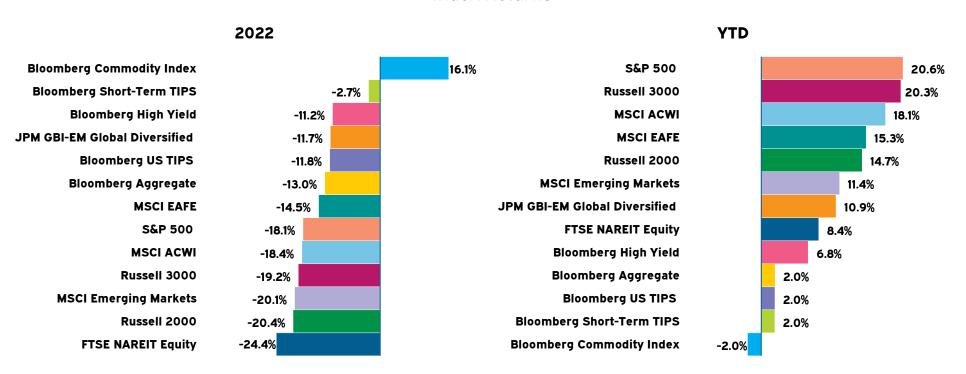


Commentary

- → Riskier assets continued to gain in July as economic data remained resilient while inflation receded. Except for commodities, most public market asset classes remained positive for the year, with US equities leading the way.
 - After a pause in June, the Federal Reserve increased interest rates in July by 0.25% to a range of 5.25% 5.5%, the highest level in over two decades. Markets are largely expecting that this will be the Fed's final rate increase.
 - US equity markets (Russell 3000 index) continued to rise in July (+3.8%), bringing the year-to-date gains to 20.3%. The technology sector remains the key driver of results this year, helped by artificial intelligence optimism.
 - Non-US developed equity markets also rose in July (MSCI EAFE +3.2%), but they continue to trail US markets year-to-date (15.3% versus 20.3%).
 - Emerging market equities had the strongest results in July, gaining 6.2%, driven by optimism over additional policy support in China. They continue to trail developed market equities year-to-date though, returning 11.4%, due partly to China's weak results for the period.
 - Generally, corporate bonds outperformed government bonds for the month on continued risk appetite. Overall, interest rates increased slightly in July, leading to a small decline in the broad US bond market (-0.1%). The index remains positive (+2.0%) year-to-date on declining inflation and expectations for the Fed to end their rate hikes soon.
- → This year, the paths of inflation and monetary policy, slowing global growth, and the war in Ukraine will all be key.



Index Returns¹



- → After a particularly difficult 2022, most public market assets are up thus far in 2023, led by developed market equities.
- → Risk sentiment has been supported by expectations that policy tightening could be ending soon, as inflation continues to fall, while growth has remained relatively resilient.

¹ Source: Bloomberg. Data is as of July 31, 2023.



Domestic Equity Returns¹

| Domestic Equity | July (%) | Q2 (%) | YTD (%) | 1 YR (%) | 3 YR (%) | 5 YR (%) | 10 YR (%) |
|-----------------------|-------------|------------------|------------|-------------|-------------|-------------|--------------|
| S&P 500 | 3.2 | 8.7 | 20.6 | 13.0 | 13.7 | 12.2 | 12.7 |
| Russell 3000 | 3.6 | 8.4 | 20.3 | 12.6 | 13.1 | 11.4 | 12.1 |
| Russell 1000 | 3.4 | 8.6 | 20.7 | 12.9 | 13.2 | 11.9 | 12.4 |
| Russell 1000 Growth | 3.4 | 12.8 | 33.4 | 17.3 | 12.2 | 15.2 | 15.5 |
| Russell 1000 Value | 3.5 | 4.1 | 8.8 | 8.3 | 14.1 | 8.0 | 9.0 |
| Russell MidCap | 4.0 | 4.8 | 13.3 | 8.7 | 11.8 | 8.8 | 10.1 |
| Russell MidCap Growth | 3.0 | 6.2 | 19.4 | 13.0 | 6.0 | 9.9 | 11.2 |
| Russell MidCap Value | 4.4 | 3.9 | 9.8 | 6.2 | 14.9 | 7.2 | 8.9 |
| Russell 2000 | 6.1 | 5.2 | 14.7 | 7.9 | 12.0 | 5.1 | 8.2 |
| Russell 2000 Growth | 4.7 | 7.1 | 18.9 | 11.6 | 6.5 | 4.8 | 8.5 |
| Russell 2000 Value | 7.5 | 3.2 | 10.2 | 3.9 | 17.5 | 4.7 | 7.4 |

US Equities: Russell 3000 Index rose 3.6% in July and 20.3% YTD.

- → Equity investors continue to express optimism that the Federal Reserve's monetary tightening will not have serious impacts on earnings. Though corporate profits were down compared to a year ago, approximately 80% of S&P 500 companies that reported second quarter results in July exceeded earnings expectations.
- → In contrast to the year-to-date trend, value stocks outperformed growth stocks in July, particularly in small cap, driven by outperformance in financials and energy. So far in 2023, growth has significantly outperformed value driven by optimism over artificial intelligence.
- → Small cap stocks outperformed large cap stocks in July, but trail for the full year, again due to the strength of the technology sector. The July dynamic was driven partially by the outperformance of small cap banks after regulators announced higher capital requirements for larger banks.

¹ Source: Bloomberg. Data is as of July 31, 2023.



Foreign Equity Returns¹

| Foreign Equity | July (%) | Q2 (%) | YTD (%) | 1 YR (%) | 3 YR (%) | 5 YR (%) | 10 YR (%) |
|--|-------------|------------------|------------|-------------|-------------|-------------|--------------|
| MSCI ACWI ex. US | 4.1 | 2.4 | 13.9 | 13.4 | 7.1 | 3.9 | 4.7 |
| MSCI EAFE | 3.2 | 3.0 | 15.3 | 16.8 | 9.3 | 4.5 | 5.2 |
| MSCI EAFE (Local Currency) | 1.7 | 4.3 | 14.0 | 13.6 | 13.0 | 6.2 | 7.4 |
| MSCI EAFE Small Cap | 4.4 | 0.6 | 10.2 | 7.9 | 6.1 | 2.1 | 6.0 |
| MSCI Emerging Markets | 6.2 | 0.9 | 11.4 | 8.3 | 1.5 | 1.7 | 3.5 |
| MSCI Emerging Markets (Local Currency) | 5.3 | 1.7 | 11.1 | 8.6 | 3.0 | 3.7 | 6.1 |
| MSCI China | 10.8 | -9.7 | 4.7 | 1.8 | -9.9 | -2.8 | 3.7 |

Foreign Equity: Developed international equities (MSCI EAFE) rose 3.2% in July bringing the YTD gains to 15.3%. Emerging market equities (MSCI EM) rose 6.2% in July, rising 11.4% YTD.

- → International equities also had strong results in July, led by China and emerging markets more broadly.
- → Japanese equities continued their steady rise, especially in the mid- and small-cap sectors. Eurozone and UK equities were broadly supported by falling inflation and solid corporate fundamentals.
- → After a disappointing reopening of the economy, China's government announced additional support to stimulate consumption and bolster the real estate sector, leading to double-digit gains for the month (10.8%). India underperformed as higher food costs kept inflation elevated.

¹ Source: Bloomberg. Data is as of July 31, 2023.



Fixed Income Returns¹

| Fixed Income | July (%) | Q2 (%) | YTD (%) | 1 YR (%) | 3 YR (%) | 5 YR (%) | 10 YR (%) | Current Yield (%) | Duration (Years) |
|-------------------------------------|-------------|------------------|------------|-------------|-------------|-------------|--------------|-------------------------|---------------------|
| Bloomberg Universal | 0.1 | -0.6 | 2.4 | -2.4 | -4.0 | 1.0 | 1.8 | 5.2 | 6.2 |
| Bloomberg Aggregate | -0.1 | -0.8 | 2.0 | -3.4 | -4.5 | 0.7 | 1.5 | 4.9 | 6.5 |
| Bloomberg US TIPS | 0.1 | -1.4 | 2.0 | -5.4 | -0.8 | 2.6 | 2.0 | 4.6 | 6.9 |
| Bloomberg Short-term TIPS | 0.5 | -0.7 | 2.0 | -1.2 | 2.3 | 2.9 | 1.7 | 5.3 | 2.7 |
| Bloomberg High Yield | 1.4 | 1.7 | 6.8 | 4.4 | 2.0 | 3.4 | 4.4 | 8.3 | 4.0 |
| JPM GBI-EM Global Diversified (USD) | 2.9 | 2.5 | 10.9 | 14.3 | -1.5 | 0.5 | -0.2 | 6.5 | 5.0 |

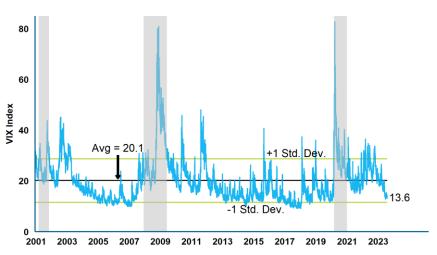
Fixed Income: The Bloomberg Universal rose 0.1% in July remaining positive YTD (+2.4%), as inflation continues to decline, and yields remain high.

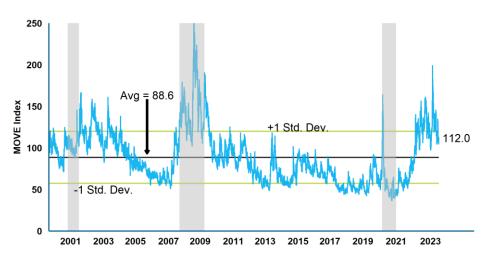
- → In July, riskier bonds continued to outperform government bonds on optimism over a potential soft landing of the economy.
- → The broad US bond market (Bloomberg Aggregate) declined slightly for the month (-0.1%) while the TIPS index, and the short-term TIPS index both posted small gains. All three indexes now have the same results so far in 2023.
- → In the risk-on environment, high yield bonds rose 1.4% for the month, while emerging market bonds were the top performer, up 2.9%. The two asset classes remain the top performers for the year.

¹ Source: Bloomberg. JPM GBI-EM data is from InvestorForce. Data is as of July 31, 2023. The yield and duration data from Bloomberg is defined as the index's yield to worst and modified duration respectively.



Equity and Fixed Income Volatility¹



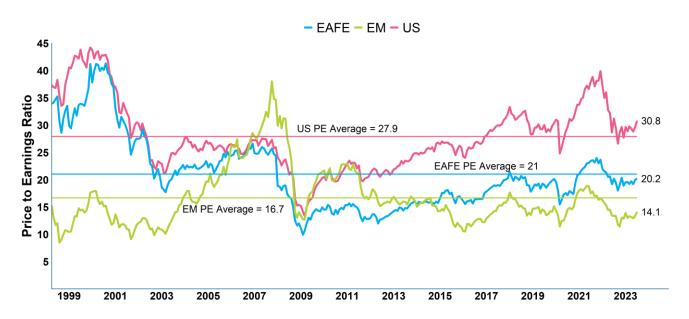


- → Volatility in equities (VIX) remains well below the historical average as investors continue to anticipate the end of the Fed's policy tightening.
- → The bond market continues to be volatile after last year's historic losses and due to policy uncertainty and previous issues in the banking sector. The MOVE (fixed income volatility) remains well above (112.0) its long-run average (88.6), but off its recent peak during the heart of the banking crisis.

¹ Equity and Fixed Income Volatility – Source: Bloomberg. Implied volatility as measured using VIX Index for equity markets and the MOVE Index to measure interest rate volatility for fixed income markets. Data is as of July 2023. The average line indicated is the average of the VIX and MOVE values between January 2000 and July 2023.



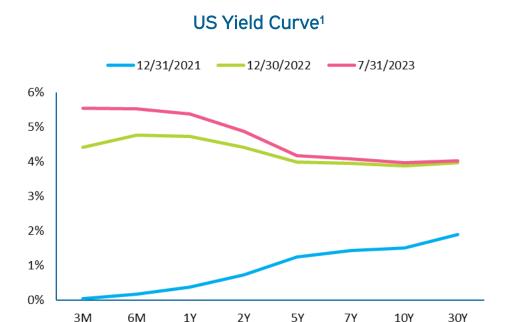
Equity Cyclically Adjusted P/E Ratios¹



- → Given the strong technology-driven rally this year, the US equity price-to-earnings ratio increased above its long-run (21st century) average.
- → International developed market valuations are below their own long-term average, with those for emerging markets the lowest and well under the long-term average.

¹ US Equity Cyclically Adjusted P/E on S&P 500 Index. Source: Robert Shiller, Yale University, and Meketa Investment Group. Developed and Emerging Market Equity (MSCI EAFE and EM Index) Cyclically Adjusted P/E – Source: MSCI and Bloomberg. Earnings figures represent the average of monthly "as reported" earnings over the previous ten years. Data is as of July 2023. The average line is the long-term average of the US, EM, and EAFE PE values from December 1999 to the recent month-end respectively.



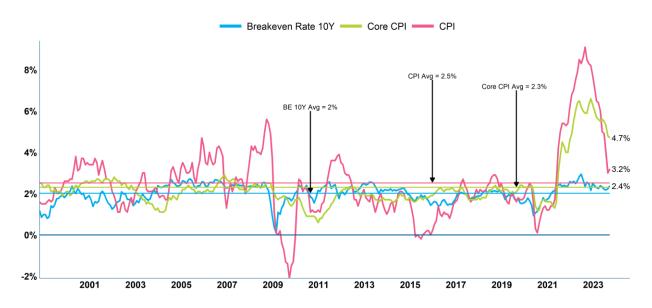


- → In July, very short-term interest rates (6-months or less) fell as it appears interest rate hikes might be coming to an end. Longer dated maturities continued to drift higher, as economic data remains resilient. So far in 2023, rates overall remain higher, particularly the policy sensitive front-end of the yield curve.
- → The yield curve remains inverted with the spread between two-year and ten-year Treasuries finishing the month at -0.91%. The more closely watched measure (by the Fed) of the three-month and ten-year Treasuries spread also remained inverted at -1.60%. Inversions in the yield curve have often preceded recessions.

¹ Source: Bloomberg. Data is as of July 31, 2023.



Ten-Year Breakeven Inflation and CPI¹

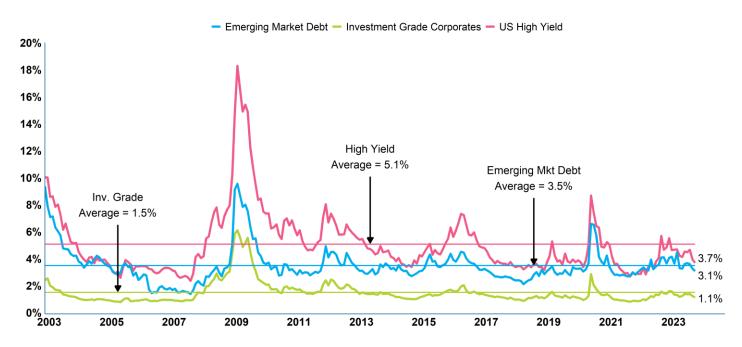


- → Declines in inflation while other economic data remains strong has led to optimism over the Federal Reserve potentially achieving a rarely observed soft landing for the economy.
- → Year-over-year headline inflation rose slightly in July (3.0% to 3.2%) but came in below expectations. The trend of lower month-over-month price increases continued with the rate staying steady at 0.2%.
- → Core inflation excluding food and energy fell (4.8% to 4.7%) year-over-year. It remains stubbornly high though driven by shelter costs (+7.7%), particularly owners equivalent rent, and transportation services (+9.0%).
- → Inflation expectations (breakevens) remain well below current inflation as investors continue to expect inflation to track back toward the Fed's 2% average target.

¹ Source: Bloomberg. Data is as July 31, 2023. The CPI and 10 Year Breakeven average lines denote the average values from August 1998 to the present month-end, respectively. Breakeven values represent month-end values for comparative purposes.



Credit Spreads vs. US Treasury Bonds¹

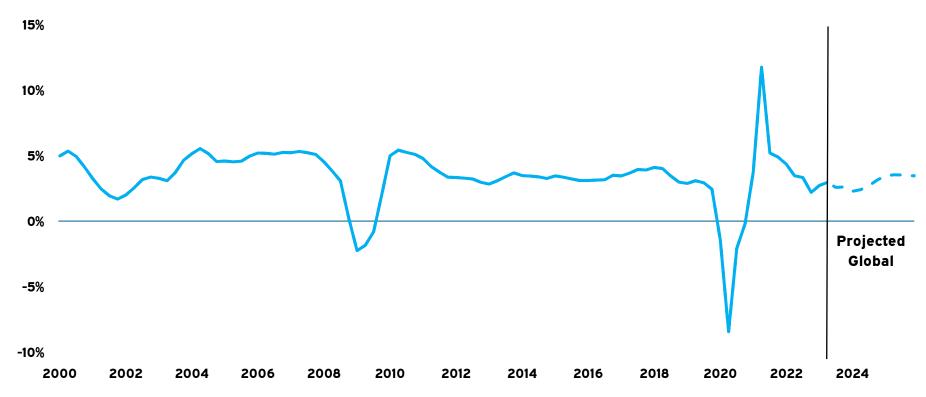


- → Credit markets outperformed government bonds for the month with spreads (the added yield above a comparable maturity Treasury) declining. Risk appetite was strong as growth remains resilient, while inflation continues to decline.
- → High yield spreads remain well below the long-term average. Investment grade and emerging market spreads are also below their respective long-term averages, but by smaller margins.

¹ Sources: Bloomberg. Data is as of July 31, 2023. Average lines denote the average of the investment grade, high yield, and emerging market spread values from August 2000 to the recent month-end, respectively.





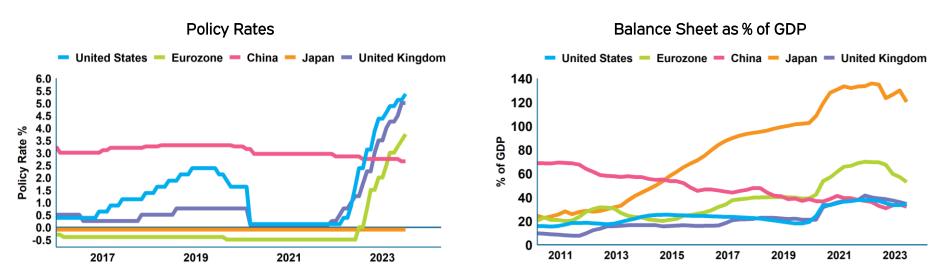


- → Global economies are expected to slow this year compared to 2022. The risk of recession remains given policymakers' aggressive tightening, but optimism has started to grow over some central banks potentially navigating a soft landing.
- → The delicate balancing act of central banks trying to reduce inflation without dramatically depressing growth will remain key.

¹ Source: Oxford Economics (World GDP, US\$ prices & PPP exchange rate, real, % change YoY). Updated July 2023.



Central Bank Response¹

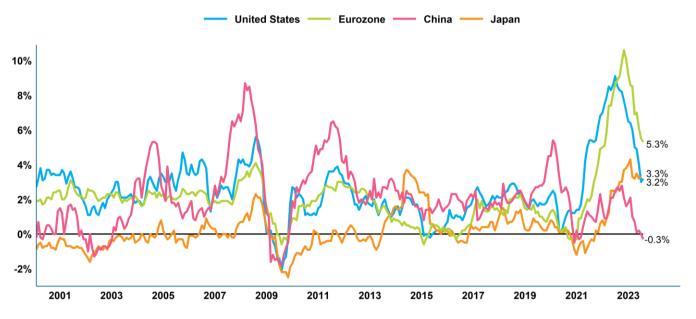


- → Slowing inflation and growth have led to expectations for a reduction in the pace of aggressive policy tightening.
- → In July the Fed raised rates another 25 basis points to a range of 5.25% to 5.50% with markets largely expecting this to be the last rate increase. After month-end, the FOMC paused its tightening campaign.
- → The European Central Bank also increased rates in July, but they remain lower than in the US. In Japan the BOJ surprised markets by announcing they would be more flexible on their 10-year interest rate target.
- → The central bank in China has continued to cut interest rates and inject liquidity into the banking system, as weaker than expected economic data appears to indicate a widespread slowdown.
- → Looking ahead, risks remain for a policy error as central banks attempt to balance multiple goals, bringing down inflation, maintaining financial stability, and supporting growth.

Source: Bloomberg. Policy rate data is as of July 31, 2023. China policy rate is defined as the medium-term lending facility 1 year interest rate. Balance sheet as % of GDP is based on quarterly data and is as of June 30, 2023.



Inflation (CPI Trailing Twelve Months)1

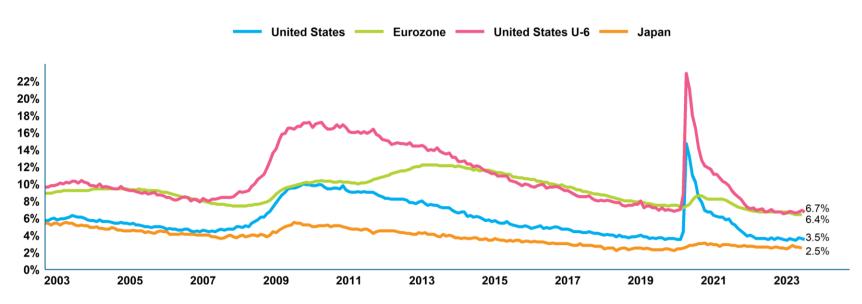


- → The inflation picture remains mixed across the major economies.
- → In the US, inflation rose slightly in July (3.0% to 3.2%), while eurozone inflation continued to fall (5.5% to 5.3%) a level well off its peak. Despite 2023's significant declines in the US and Europe, inflation levels remain elevated compared to central bank targets.
- → Inflation in Japan remains elevated at levels not seen in almost a decade largely driven by food and home related items. In China, deflationary pressures emerged in July due to falling food prices, but this is expected to be temporary as high base effects from last year work their way through.

¹ Source: Bloomberg. Data is as July 31, 2023. The most recent Japanese inflation data is as of June 2023.



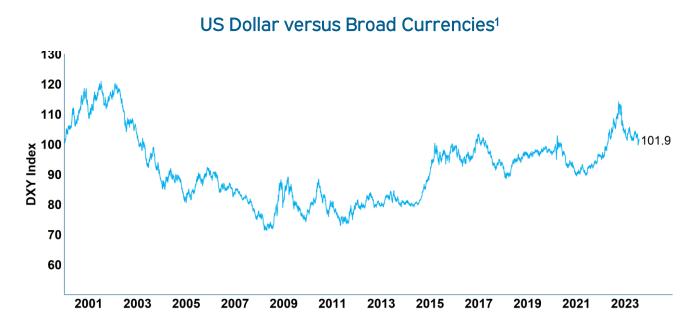




- → Despite slowing growth and relatively high inflation, the US labor market continues to show signs of resilience (3.5%). Unemployment in the US, which experienced the steepest rise, recently returned to pre-pandemic levels. Broader measures of unemployment (U-6) remain higher at 6.7% but also declined dramatically from their peak.
- → The strong labor market and higher wages, although beneficial for workers, motivates the Fed's efforts to fight inflation, potentially leading to higher unemployment.
- → Unemployment in Europe has also declined but remains higher than the US, while levels in Japan have been flat through the pandemic given less layoffs.

¹ Source: Bloomberg. Data is as July 31, 2023, for the US. The most recent data for Eurozone and Japanese unemployment is as of June 2023.





- → The dollar finished 2022 much higher than it started, due to the increased pace of policy tightening, stronger relative growth, and safe-haven flows.
- → Late last year and into early this year, the dollar declined, as weaker economic data and lower inflation led to investors anticipating the end of Fed tightening. Since then, the dollar has largely been range-bound due to competing forces of safe-haven flows and monetary policy expectations.
- → For the rest of this year, the track of inflation across economies and the corresponding monetary policies will be key drivers of currency moves.

¹ Source: Bloomberg. Data as of July 31, 2023.



Summary

Key Trends:

- → The impact of inflation still above policy targets will remain key, with bond market volatility likely to stay high.
- → Global monetary policies could diverge in 2023. The risk of policy errors remains elevated as central banks try to reduce persistent inflation while not tipping their economies into recession.
- → Growth is expected to slow globally this year, with many economies forecasted to tip into recession. Optimism has been building though that some economies could experience a soft landing. Inflation, monetary policy, and the war will all be key.
- → In the US, consumers could feel pressure as certain components of inflation remain high (e.g., shelter), borrowing cost are elevated, and the job market may weaken.
- → The key for US equities going forward will be whether earnings can remain resilient if growth continues to slow.

 Also, the future path of the large technology companies that have driven market gains will be important.
- → Equity valuations remain lower in emerging and developed markets, but risks remain, including potential for renewed strength in the US dollar, higher inflation weighing particularly on Europe, and China's sluggish economic reopening and on-going weakness in the real estate sector. Japan's recent hint at potentially tightening monetary policy along with changes in corporate governance in the country could influence relative results.

Executive Summary As of June 30, 2023



Aggregate Plan Overview

The value of the San Jose Federated City Employees' Retirement System assets on June 30, 2023 was \$2.9 billion, up from \$2.8 billion at the end of the prior quarter. The System had net cash outflows of \$52 million and \$89 million of investment gains during the quarter.

- → The System's net of fees performance for the quarter was +3.2%, outperforming the Policy Benchmark (+3.0%) and the Investable Benchmark Portfolio (+2.9%). Additionally, the System outperformed the peer median return of +2.6%.
- → The Retirement System returned +7.5% over the trailing one-year period, compared to the Policy Benchmark (+7.8%) and the Investable Benchmark (+7.0%). The Retirement System's standard deviation of returns was 10.3% over the trailing one-year period, exhibiting lower volatility vs. the peer median (10.4%). Additionally, the System outperformed 84% of peers over the 3-year period.
 - Growth returned +4.5% for the quarter and +10.4% over the trailing one-year period, compared to the +4.4% and +10.6% returns for the Growth Benchmark over the same periods, respectively.
 - Low Beta returned +0.7% for the quarter and +1.9% over the trailing one-year period, compared to +0.3% and +1.9% returns for the Low Beta Benchmark over the same periods, respectively.
 - Other assets returned -1.8% for the quarter and -2.0% over the trailing one-year period, compared to the -1.7% and -2.0% returns for the Other Benchmark over the same periods, respectively.
- → During the quarter, the Plan added three new investments: Burgundy US Small Cap (US Equity), Paine Schwartz VI (Private Real Assets), and Unifi India (Emerging Markets Equity). The Plan did not liquidate any investments.



Manager Highlights

Artisan

→ Artisan Global Value returned +6.6% for the quarter, outperforming the MSCI ACWI Value NR USD benchmark by 360 basis points, ranking near the top quartile of its peer group. Performance for the quarter was driven by Meta (earnings growth), Alphabet (A.I.), and Heidelberg (operational execution). Compared to peers, Artisan ranks in the 18th percentile since inception (1st is best and 100th is worst).

GQG

→ GQG Global Emerging Markets Equity returned +10.7% for the quarter, outperforming the MSCI Emerging Markets benchmark by 980 basis points. Outperformance for the quarter was aided by stock selection in information technology. Compared to peers, GQG ranks in the 10th percentile since inception.

Voya

→ Voya Securitized Credit returned +0.2% for the quarter, outperforming the Bloomberg Securitized benchmark by 80 basis points. Since inception in May of 2020, Voya has outperformed the benchmark by 300 basis points per year.



Second Quarter Manager Summary

| | | Changes/ | Meketa | |
|-------------------------------|-------------------------|---------------|-----------------------------|------------------------------|
| Investment Manager | Asset Class | Announcements | Recommendation ¹ | Comments |
| Artisan Global Value | Global Equity | | | |
| Artisan Global Opportunities | Global Equity | | Hold | Watch List |
| Cove Street Small Cap Value | US Equity | | | |
| Burgundy US Small Cap | US Equity | 2 | | |
| Oberweis International Opps | International Equity | | Hold | Watch List |
| Morgan Stanley Int'l Equity | International Equity | Yes | Hold | CEO departing in next year |
| First Eagle Int'l Equity | International Equity | | | |
| Dimensional EM Value | Emerging Markets Equity | | | |
| GQG Partners Global EM | Emerging Markets Equity | | | |
| RWC Emerging Markets Equity | Emerging Markets Equity | | | |
| Wellington EM Systematic | Emerging Markets Equity | 2 | | |
| Kotak India Midcap | Emerging Markets Equity | 2 | | |
| Unifi India | | 2 | | |
| Mellon High Yield Beta | High Yield Bonds | 2 | | |
| Columbia High Yield | High Yield Bonds | Yes | | Global Head of Risk departed |
| Wellington Iguazu Partners LP | Emerging Markets Debt | 2 | | |
| Payden EMD Blended Currency | Emerging Markets Debt | | | |
| BlackRock Core Property | Core Real Estate | | | |
| Clarion Lion Properties | Core Real Estate | | | |
| TA Realty Core Property | Core Real Estate | | | |
| Clarion Lion Industrial Trust | Core Real Estate | | | |
| Voya Securitized Credit | Investment Grade Bonds | | | |
| Invesco Core Bonds | Investment Grade Bonds | | | |

¹ The Meketa Investment Group recommendations are based on the noted organizational or resource changes at each manager.

² Firm hasn't yet responded to quarterly update questionnaire or information is not yet on file.



Watch List

Watch List^{1,2}

| Investment Manager | Asset Class | Watch List Status | Comments |
|------------------------------|----------------------|-------------------|------------------|
| Artisan Global Opportunities | Global Equity | Monitoring | Underperformance |
| Oberweis International Opps | International Equity | Monitoring | Underperformance |

¹ Watch List excludes Private Markets and Passive Funds.

² Placement on the Watch List includes qualitative reasons and manager underperformance versus the appropriate benchmark over a three and or five year period as outlined in the Investment Policy Statement.



Second Quarter Manager Summary

Artisan Global Opportunities

→ Over the three-year period, Artisan (+5.2%) has underperformed the MSCI ACWI Growth NR by 440 basis points. Since inception in July 2017, Artisan has underperformed the benchmark by 130 basis points per year, on average, and ranked in the 25th percentile compared to peers.

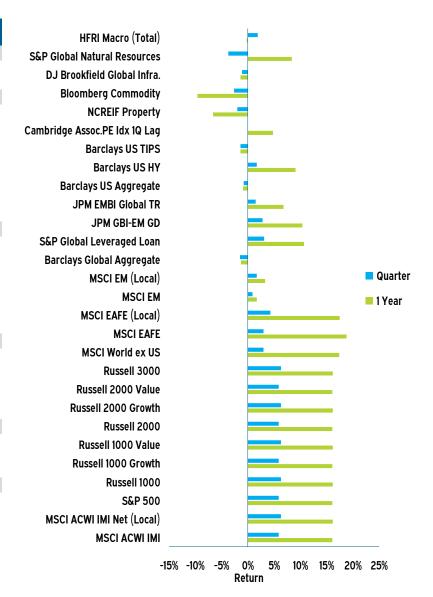
Oberweis International Opps

→ Over the three-year period, Oberweis (+0.6%) has underperformed the MSCI World ex USA Small Cap Growth NR by 230 basis points. Since inception in November 2015, Oberweis has outperformed the benchmark by 50 basis points per year, on average, and ranked in the 48th percentile compared to peers.



Market Environment - 2Q23 Overview

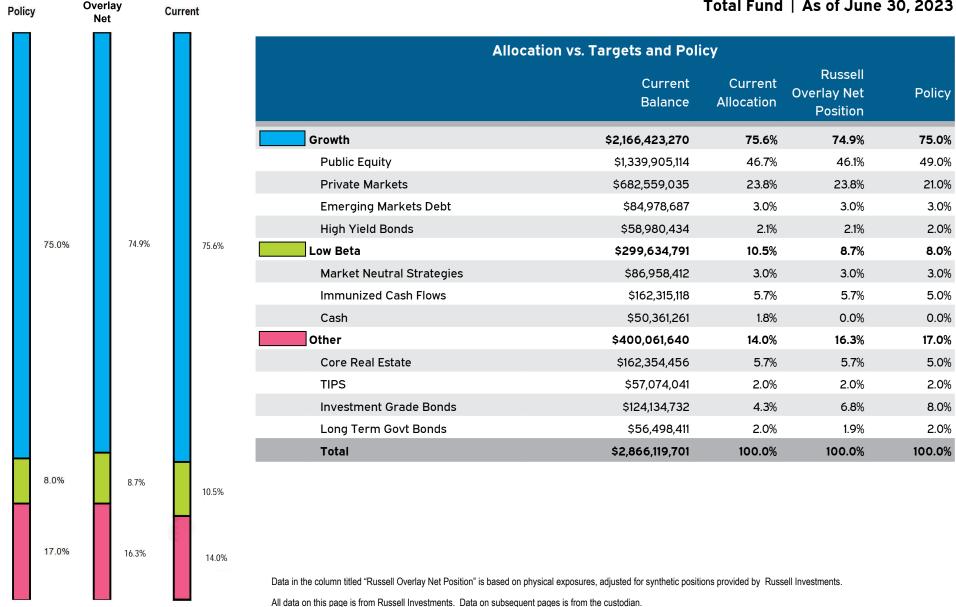
| Benchmark | Scope | 2Q23 (%) | 1 YR (%) | 3 YR (%) | 5 YR (%) | 10 YR (%) |
|--|---|-------------|-------------|-------------|-------------|--------------|
| Global Equity | | | | | | |
| MSCI ACWI IMI | World | 5.9 | 16.1 | 11.0 | 7.6 | 8.6 |
| MSCI ACWI IMI Net (Local) | World (Local Currency) | 6.3 | 16.2 | 11.9 | 8.5 | 9.7 |
| Domestic Equity | | | | | | |
| S&P 500 | Large Core | 8.7 | 19.6 | 14.6 | 12.3 | 12.9 |
| Russell 1000 | Large Core | 8.6 | 19.4 | 14.1 | 11.9 | 12.6 |
| Russell 1000 Growth | Large Growth | 12.8 | 27.1 | 13.7 | 15.1 | 15.7 |
| Russell 1000 Value | Large Value | 4.1 | 11.5 | 14.3 | 8.1 | 9.2 |
| Russell 2000 | Small Core | 5.2 | 12.3 | 10.8 | 4.2 | 8.3 |
| Russell 2000 Growth | Small Growth | 7.1 | 18.5 | 6.1 | 4.2 | 8.8 |
| Russell 2000 Value | Small Value | 3.2 | 6.0 | 15.4 | 3.5 | 7.3 |
| Russell 3000 | All Cap Core | 8.4 | 19.0 | 13.9 | 11.4 | 12.3 |
| International Equity | | | | | | |
| MSCI World ex US | World ex-US | 3.0 | 17.4 | 9.3 | 4.6 | 5.4 |
| MSCI EAFE | International Developed | 3.0 | 18.8 | 8.9 | 4.4 | 5.4 |
| MSCI EAFE (Local) | International Developed (Local Currency) | 4.3 | 17.5 | 11.7 | 6.4 | 7.7 |
| MSCI EM | Emerging Markets | 0.9 | 1.7 | 2.3 | 0.9 | 3.0 |
| MSCI EM (Local) | Emerging Markets (Local Currency) | 1.7 | 3.3 | 3.9 | 3.0 | 5.7 |
| Global Fixed Income | | | | | | |
| Barclays Global Aggregate | Global Core Bonds | -1.5 | -1.3 | -5.0 | -1.1 | 0.2 |
| S&P Global Leveraged Loan | Bank Loans | 3.1 | 10.7 | 6.3 | 3.9 | 3.8 |
| JPM GBI-EM GD | Emerging Markets Bonds (Local Currency) | 2.8 | 10.4 | 0.0 | 3.9 | 5.1 |
| JPM EMBI Global TR | Emerging Market Bonds | 1.5 | 6.8 | -2.7 | 0.8 | 2.6 |
| Domestic Fixed Income | | | | | | |
| Barclays US Aggregate | Core Bonds | -0.8 | -0.9 | -4.0 | 0.8 | 1.5 |
| Barclays US HY | High Yield | 1.7 | 9.1 | 3.1 | 3.4 | 4.4 |
| Barclays US TIPS | Inflation | -1.4 | -1.4 | -0.1 | 2.5 | 2.1 |
| Other | | | | | | |
| Cambridge Associates PE Index 1Qtr Lag | Private Equity | 0.0 | 4.8 | 24.8 | 22.1 | 18.1 |
| NCREIF Property | Real Estate | -2.0 | -6.6 | 6.8 | 5.9 | 7.8 |
| Bloomberg Commodity | Commodities | -2.6 | -9.6 | 17.8 | 4.7 | -1.0 |
| DJ Brookfield Global Infrastructure | Infrastructure | -1.1 | -1.4 | 6.2 | 4.9 | 6.0 |
| S&P Global Natural Resources | Natural Resources | -3.7 | 8.4 | 18.6 | 5.9 | 5.8 |
| HFRI Macro | Hedge Funds | 1.9 | -0.2 | 7.4 | 5.0 | 3.1 |



2Q23 Review



Total Fund | As of June 30, 2023



Page 28 MEKETA INVESTMENT GROUP



Total Fund | As of June 30, 2023

| | Asset Class Net F | Performan | ce Sum | marv | | | | | | 7 2 3 2 3 |
|--|----------------------|-------------------|------------|------------|-------------|--------------|--------------|---------------|------------------|-------------------|
| | Market Value (\$) | % of Portfolio | QTD (%) | YTD (%) | 1 Yr (%) | 3 Yrs (%) | 5 Yrs (%) | 10 Yrs (%) | Inception (%) | Inception Date |
| Total Fund Aggregate | 2,879,458,659 | 100.0 | 3.2 | 7.1 | 7.5 | 9.9 | 7.5 | 6.3 | 6.8 | Jan-94 |
| Policy Benchmark | | | 3.0 | 6.9 | 7.8 | 9.4 | 7.1 | 6.5 | 7.0 | Jan-94 |
| Investable Benchmark Portfolio | | | 2.9 | 6.5 | 7.0 | 9.0 | 6.7 | 5.8 | | Jan-94 |
| Low-Cost Passive Portfolio | | | <i>3.5</i> | 8.6 | 9.9 | 6.7 | | | | Jan-94 |
| 60/40 MSCI ACWI IMI/BBgBarc Global Aggregate | | | 2.9 | 8.4 | 9.0 | 4.5 | 4.4 | 5.4 | | Jan-94 |
| Liability Benchmark Portfolio | | | -2.3 | <i>3.7</i> | -6.8 | -12.1 | | | | Jan-94 |
| InvMetrics Public DB > \$1B Net Median | | | 2.6 | 6.5 | 7.6 | 8.3 | 6.5 | 7.3 | 7.4 | Jan-94 |
| InvMetrics Public DB > \$1B Net Rank | | | 20 | 31 | 53 | 16 | 18 | 90 | 89 | Jan-94 |
| Growth | 2,174,423,342 | 75.5 | 4.5 | 9.7 | 10.4 | 12.9 | 9.0 | | 8.0 | Jul-15 |
| Growth Benchmark | | | 4.4 | 9.3 | 10.6 | 12.5 | 8.8 | | 8.7 | Jul-15 |
| Public Equity | 1,348,441,728 | 46.8 | 5.9 | 13.6 | 15.9 | 10.6 | 6.8 | 7.8 | 7.8 | May-10 |
| Public Equity Benchmark | | | 5.3 | 12.1 | 14.5 | 10.2 | 7.2 | 8.4 | 8.1 | May-10 |
| Global Equity | 241,289,352 | 8.4 | 6.2 | 16.4 | 19.1 | 10.9 | 8.4 | | 8.9 | Jul-15 |
| MSCI ACWI IMI Index | | | 5.9 | 13.2 | 16.1 | 11.0 | 7.6 | | 7.9 | Jul-15 |
| eV All Global Equity Net Median | | | 4.6 | 11.5 | 15.8 | 10.5 | 7.6 | 8.7 | 7.8 | Jul-15 |
| eV All Global Equity Net Rank | | | 31 | 18 | 25 | 47 | 40 | | 33 | Jul-15 |
| US Equity | 548,025,309 | 19.0 | 8.5 | 16.4 | 19.5 | 14.3 | 10.5 | | 10.4 | Jul-15 |
| MSCI USA IMI NR USD | | | 8.3 | 16.1 | 18.6 | 13.6 | 11.0 | | 11.0 | Jul-15 |
| eV All US Equity Net Median | | | 5.4 | 10.0 | 15.2 | 13.5 | 8.7 | 10.3 | 9.2 | Jul-15 |
| eV All US Equity Net Rank | | | 22 | 23 | 27 | 41 | 32 | | 36 | Jul-15 |

Fiscal Year begins July

Please see the Appendix for composition of the Policy Benchmark, Low-Cost Passive Portfolio, Liability Benchmark Portfolio, Growth Benchmark, and Public Equity Benchmark. Returns for the Public Equity Aggregate are gross of fees through June 2015 and net of fees thereafter.



Total Fund | As of June 30, 2023

| | Market Value (\$) | % of Portfolio | QTD (%) | YTD (%) | 1 Yr (%) | 3 Yrs (%) | 5 Yrs (%) | 10 Yrs (%) | Inception (%) | Inception Date |
|--|----------------------|-------------------|-------------|------------|-------------|--------------|--------------|---------------|------------------|-------------------|
| International Equity | 267,579,580 | 9.3 | 2.3 | 11.1 | 16.4 | 7.4 | 3.4 | | 4.5 | Jul-15 |
| MSCI World ex USA IMI NR USD | | | 2.7 | 10.5 | 16.3 | 8.9 | 4.2 | | 4.7 | Jul-15 |
| eV ACWI ex-US All Cap Equity Net Median | | | 2.7 | 11.5 | 15.5 | 7.9 | 4.1 | 5.8 | 5.0 | Jul-15 |
| eV ACWI ex-US All Cap Equity Net Rank | | | 59 | 54 | 38 | 54 | 66 | | 71 | Jul-15 |
| Emerging Markets Equity | 291,547,488 | 10.1 | 4.2 | 8.5 | 6.0 | 6.3 | 2.4 | | 2.6 | Jul-15 |
| MSCI Emerging Markets IMI Net | | | 1.6 | 5.6 | <i>3.2</i> | <i>3.6</i> | 1.4 | | 2.8 | Jul-15 |
| eV Emg Mkts Equity Net Median | | | 2.2 | 7.3 | 6.1 | 4.2 | 2.2 | <i>3.7</i> | 3.6 | Jul-15 |
| eV Emg Mkts Equity Net Rank | | | 26 | 37 | 52 | 37 | 44 | | 76 | Jul-15 |
| Private Markets | 683,663,668 | 23.7 | 2.9 | 3.4 | 1.3 | 20.3 | 13.2 | | 10.5 | Jul-15 |
| Private Markets Benchmark | | | <i>2</i> .9 | 3.4 | 1.3 | 20.3 | 12.9 | | 11.9 | Jul-15 |
| MSCI ACWI IMI + 100bps | | | 6.1 | 13.6 | 17.1 | 12.0 | 8.7 | | 9.0 | Jul-15 |
| Private Markets ex Russell 3000 | 683,663,668 | 23.7 | 2.9 | 3.4 | 1.3 | 21.4 | 13.9 | | 10.9 | Jul-15 |
| Private Equity | 359,469,305 | 12.5 | 5.5 | 5.3 | -0.5 | 26.3 | 19.0 | 14.8 | 10.2 | Jan-06 |
| San Jose Custom Private Equity Benchmark | | | 2.7 | 3.7 | -1.6 | 24.9 | 16.1 | 14.7 | 12.5 | Jan-06 |
| Venture Capital | 15,921,121 | 0.6 | -3.9 | -4.0 | -4.2 | | | | -2.7 | Jun-21 |
| Private Debt | 121,662,805 | 4.2 | 1.1 | 2.2 | 2.2 | 17.6 | 6.8 | 4.8 | 5.3 | Dec-10 |
| S&P Global Leveraged Loan Index +2% | | | <i>3.7</i> | 7.5 | 12.9 | 8.4 | 5.9 | 5.9 | 6.2 | Dec-10 |
| Growth Real Estate | 118,191,791 | 4.1 | -0.8 | -0.5 | 4.9 | 13.2 | 12.4 | | 14.8 | Jul-15 |
| NCREIF Property Index | | | -2.0 | -3.8 | -6.6 | 6.8 | 5.9 | | 6.8 | Jul-15 |
| Private Real Assets | 68,418,645 | 2.4 | 1.2 | 5.1 | 6.3 | 19.6 | 11.0 | | 9.0 | Jul-15 |

Returns for the Fixed income, Private Debt, and Real Assets Aggregates are gross of fees through June 2015 and net of fees thereafter. Please see the Appendix for composition of the Private Markets Benchmark.

Private Equity composite includes Russell 3000 proxy performance history prior to October 1, 2018.



Total Fund | As of June 30, 2023

| | Market Value (\$) | % of Portfolio | QTD (%) | YTD (%) | 1 Yr (%) | 3 Yrs (%) | 5 Yrs (%) | 10 Yrs (%) | Inception (%) | Inception Date |
|--------------------------------------|----------------------|-------------------|------------|------------|-------------|--------------|--------------|---------------|------------------|-------------------|
| Emerging Markets Debt | 83,340,993 | 2.9 | -2.5 | 0.9 | -0.4 | 3.4 | 4.8 | | 3.5 | Jul-15 |
| 50% JPM EMBI GD / 50% JPM GBI-EM | | | 2.3 | 5.9 | 9.4 | -2.2 | 0.5 | | 1.5 | Jul-15 |
| eV All Emg Mkts Fixed Inc Net Median | | | 2.3 | 4.5 | 8.6 | -1.0 | 1.1 | 2.2 | 2.0 | Jul-15 |
| eV All Emg Mkts Fixed Inc Net Rank | | | 99 | 98 | 99 | 5 | 2 | | 7 | Jul-15 |
| High Yield Bonds | 58,976,952 | 2.0 | 1.4 | 5.4 | 9.8 | 3.6 | 2.5 | | 1.3 | Jun-14 |
| Bloomberg US Corporate High Yield TR | | | 1.7 | 5.4 | 9.1 | 3.1 | 3.4 | | 3.7 | Jun-14 |
| Low Beta | 302,738,689 | 10.5 | 0.7 | 1.6 | 1.9 | 4.4 | 4.0 | | 3.1 | Jul-15 |
| Low Beta Benchmark | | | 0.3 | 1.9 | 1.9 | 0.3 | 1.2 | | 0.8 | Jul-15 |
| Immunized Cash Flows | 162,315,118 | 5.6 | -0.5 | 1.2 | -0.2 | -0.8 | | | 1.1 | Oct-18 |
| Bloomberg US Govt/Credit 1-3 Yr. TR | | | -0.4 | 1.1 | 0.5 | -0.9 | | | 1.1 | Oct-18 |
| Market Neutral Strategies | 88,501,686 | 3.1 | 3.4 | 2.4 | 6.7 | 15.1 | 10.0 | 6.5 | 6.5 | Nov-12 |
| Market Neutral Strategies Benchmark | | | 1.6 | 3.1 | 5.4 | 2.1 | 2.0 | 1.6 | 1.5 | Nov-12 |
| Relative Value | 88,501,686 | 3.1 | 3.4 | 2.4 | 6.7 | 15.6 | 8.9 | | 6.7 | Oct-14 |
| HFRI Relative Value (Total) Index | | | 1.2 | 2.5 | 4.0 | 5.9 | <i>3.6</i> | | 3.5 | Oct-14 |
| Cash | 51,921,885 | 1.8 | 0.7 | 1.7 | 3.0 | 1.1 | 1.4 | | | Jan-06 |
| ICE BofA 91 Days T-Bills TR | | | 1.2 | 2.3 | 3.6 | 1.3 | 1.6 | | | Jan-06 |
| Other | 394,619,156 | 13.7 | -1.8 | -2.0 | -2.0 | 0.1 | 0.8 | 1.6 | 1.7 | Jul-04 |
| Other Benchmark | | | -1.7 | -1.0 | -2.0 | -0.2 | -0.1 | | | Jul-04 |
| Investment Grade Bonds | 123,728,072 | 4.3 | -0.4 | 2.4 | -1.5 | -2.7 | | | -0.6 | Dec-19 |
| Custom IG Bonds Benchmark | | | -0.7 | 1.8 | -0.6 | -3.1 | | | -1.2 | Dec-19 |

Cash composite includes the cash account, cash collateral in the Russell Investments Overlay program, and residuals from terminated manager assets.

Please see the Appendix for composition of the Low Beta Benchmark, Immunized Cash Flows Benchmark, Market Neutral Strategies Benchmark, and Other Benchmark.



Total Fund | As of June 30, 2023

| | Market Value (\$) | % of Portfolio | QTD (%) | YTD (%) | 1 Yr (%) | 3 Yrs (%) | 5 Yrs (%) | 10 Yrs (%) | Inception (%) | Inception Date |
|-------------------------------|----------------------|-------------------|------------|------------|-------------|--------------|--------------|---------------|------------------|-------------------|
| TIPS | 57,074,041 | 2.0 | -0.7 | 1.5 | 0.0 | 2.4 | 2.6 | | 1.6 | Jul-14 |
| BBg U.S. TIPS 0-5 Years | | | -0.7 | 1.5 | 0.1 | 2.3 | 2.7 | | 1.7 | Jul-14 |
| Core Private Real Estate | 157,317,404 | 5.5 | -3.1 | -7.8 | -0.2 | 10.1 | 8.3 | 9.4 | 8.6 | Jul-15 |
| Core Real Estate Benchmark | | | -3.4 | -8.4 | -3.9 | 8.1 | 6.2 | | 7.0 | Jul-15 |
| Long-Term Government Bonds | 56,499,639 | 2.0 | -2.3 | 4.2 | -6.7 | -12.0 | | | -11.3 | May-20 |
| Bloomberg US Treasury Long TR | | | -2.3 | 3.7 | -6.8 | -12.1 | | | -12.0 | May-20 |
| Overlay | 7,677,472 | 0.3 | | | | | | | | |

Core Private Real Estate values are one quarter lagged.



Total Fund | As of June 30, 2023

| | Trailing N | let Perforn | nance | | | | | | | |
|--|----------------------|-------------------|-------------|------------|-------------|--------------|--------------|---------------|------------------|-------------------|
| | Market Value (\$) | % of Portfolio | QTD (%) | YTD (%) | 1 Yr (%) | 3 Yrs (%) | 5 Yrs (%) | 10 Yrs (%) | Inception (%) | Inception Date |
| Total Fund Aggregate | 2,879,458,659 | 100.0 | 3.2 | 7.1 | 7.5 | 9.9 | 7.5 | 6.3 | 6.8 | Jan-94 |
| Policy Benchmark | | | 3.0 | 6.9 | 7.8 | 9.4 | 7.1 | 6.5 | 7.0 | Jan-94 |
| Investable Benchmark Portfolio | | | <i>2.9</i> | 6.5 | 7.0 | 9.0 | 6.7 | 5.8 | | Jan-94 |
| Low-Cost Passive Portfolio | | | <i>3.5</i> | 8.6 | 9.9 | 6.7 | | | | Jan-94 |
| 60/40 MSCI ACWI IMI/BBgBarc Global Aggregate | | | 2.9 | 8.4 | 9.0 | 4.5 | 4.4 | 5.4 | | Jan-94 |
| Liability Benchmark Portfolio | | | <i>-2.3</i> | <i>3.7</i> | -6.8 | -12.1 | | | | Jan-94 |
| InvMetrics Public DB > \$1B Net Median | | | 2.6 | 6.5 | 7.6 | 8.3 | 6.5 | 7.3 | 7.4 | Jan-94 |
| InvMetrics Public DB > \$1B Net Rank | | | 20 | 31 | 53 | 16 | 18 | 90 | 89 | Jan-94 |
| Growth | 2,174,423,342 | 75.5 | 4.5 | 9.7 | 10.4 | 12.9 | 9.0 | | 8.0 | Jul-15 |
| Growth Benchmark | | | 4.4 | 9.3 | 10.6 | 12.5 | 8.8 | | 8.7 | Jul-15 |
| Public Equity | 1,348,441,728 | 46.8 | 5.9 | 13.6 | 15.9 | 10.6 | 6.8 | 7.8 | 7.8 | May-10 |
| Public Equity Benchmark | | | <i>5.3</i> | 12.1 | 14.5 | 10.2 | 7.2 | 8.4 | 8.1 | May-10 |
| Global Equity | 241,289,352 | 8.4 | 6.2 | 16.4 | 19.1 | 10.9 | 8.4 | | 8.9 | Jul-15 |
| MSCI ACWI IMI Index | | | 5.9 | 13.2 | 16.1 | 11.0 | 7.6 | | 7.9 | Jul-15 |
| eV All Global Equity Net Median | | | 4.6 | 11.5 | 15.8 | 10.5 | 7.6 | 8.7 | 7.8 | Jul-15 |
| eV All Global Equity Net Rank | | | 31 | 18 | 25 | 47 | 40 | | 33 | Jul-15 |
| Artisan Global Value | 126,039,122 | 4.4 | 6.6 | 17.4 | 20.7 | 16.5 | 8.5 | 9.4 | 10.2 | Mar-11 |
| MSCI ACWI Value NR USD | | | 3.0 | 4.3 | 10.0 | 11.8 | <i>5.2</i> | 6.2 | 5.6 | Mar-11 |
| eV All Global Equity Net Median | | | 4.6 | 11.5 | 15.8 | 10.5 | 7.6 | 8.7 | 8.0 | Mar-11 |
| eV All Global Equity Net Rank | | | 27 | 15 | 16 | 9 | 39 | 37 | 18 | Mar-11 |

Returns for the Equity Aggregate are gross of fees through June 2015 and net of fees thereafter. Please see final page of the performance report for composition of the Policy Benchmark. Throughout the report performance will be shown for funds after one full month of investment.



Total Fund | As of June 30, 2023

| | Market Value (\$) | % of Portfolio | QTD (%) | YTD (%) | 1 Yr (%) | 3 Yrs (%) | 5 Yrs (%) | 10 Yrs (%) | Inception (%) | Inception Date |
|---|----------------------|-------------------|------------|------------|-------------|--------------|--------------|---------------|------------------|-------------------|
| | | | | | | | | (70) | | |
| Artisan Global Opportunities | 115,250,229 | 4.0 | 5.9 | 15.5 | 17.3 | 5.2 | 9.2 | | 10.1 | Jul-17 |
| MSCI ACWI Growth NR USD | | | 9.2 | 24.2 | 23.1 | 9.6 | 10.4 | | 11.4 | Jul-17 |
| eV All Global Equity Net Median | | | 4.6 | 11.5 | 15.8 | 10.5 | 7.6 | 8.7 | 8.3 | Jul-17 |
| eV All Global Equity Net Rank | | | 35 | 23 | 39 | 87 | 28 | | 25 | Jul-17 |
| US Equity | 548,025,309 | 19.0 | 8.5 | 16.4 | 19.5 | 14.3 | 10.5 | | 10.4 | Jul-15 |
| MSCI USA IMI NR USD | | | 8.3 | 16.1 | 18.6 | 13.6 | 11.0 | | 11.0 | Jul-15 |
| eV All US Equity Net Median | | | 5.4 | 10.0 | 15.2 | 13.5 | 8.7 | 10.3 | 9.2 | Jul-15 |
| eV All US Equity Net Rank | | | 22 | 23 | 27 | 41 | 32 | | 36 | Jul-15 |
| Northern Trust Russell 3000 PE | 516,902,945 | 18.0 | 8.4 | 16.2 | 19.0 | 14.0 | | | 19.4 | Mar-20 |
| Russell 3000 | | | 8.4 | 16.2 | 19.0 | 13.9 | | | 14.2 | Mar-20 |
| Cove Street Small Cap Value | 794 | 0.0 | 16.2 | 25.6 | 31.1 | 22.3 | 8.9 | | 7.5 | May-14 |
| Russell 2000 Value | | | <i>3.2</i> | <i>2.5</i> | 6.0 | 15.4 | <i>3.5</i> | | 6.2 | May-14 |
| eV US Small Cap Value Equity Net Median | | | 3.8 | 5.7 | 11.2 | 16.9 | 5.6 | 8.2 | 6.9 | May-14 |
| eV US Small Cap Value Equity Net Rank | | | 1 | 1 | 1 | 13 | 8 | | 34 | May-14 |
| Burgundy US Small Cap | 31,121,570 | 1.1 | | | | | | | 3.7 | Jun-23 |
| Russell 2000 Value | | | | | | | | | 7.9 | Jun-23 |
| International Equity | 267,579,580 | 9.3 | 2.3 | 11.1 | 16.4 | 7.4 | 3.4 | | 4.5 | Jul-15 |
| MSCI World ex USA IMI NR USD | | | <i>2.7</i> | 10.5 | 16.3 | 8.9 | 4.2 | | 4.7 | Jul-15 |
| eV ACWI ex-US All Cap Equity Net Median | | | 2.7 | 11.5 | 15.5 | 7.9 | 4.1 | 5.8 | 5.0 | Jul-15 |
| eV ACWI ex-US All Cap Equity Net Rank | | | 59 | 54 | 38 | 54 | 66 | | 71 | Jul-15 |
| Northern Trust MSCI World ex US | 144,647,572 | 5.0 | 3.1 | 11.4 | 18.2 | 10.1 | 5.2 | | 7.2 | Nov-16 |
| MSCI World ex USA | | | 3.0 | 11.3 | 17.4 | 9.3 | 4.6 | | 6.6 | Nov-16 |



Total Fund | As of June 30, 2023

| | Market Value (\$) | % of Portfolio | QTD (%) | YTD (%) | 1 Yr (%) | 3 Yrs (%) | 5 Yrs (%) | 10 Yrs (%) | Inception (%) | Inception Date |
|---|----------------------|-------------------|------------|------------|-------------|--------------|--------------|---------------|------------------|-------------------|
| Oberweis Intl Opportunities | 37,714,786 | 1.3 | -1.0 | 4.4 | 4.6 | 0.6 | 1.6 | | 5.9 | Nov-15 |
| MSCI World ex USA Small Cap Growth NR USD | | | 0.3 | 5.7 | 9.5 | 2.9 | 1.5 | | 5.4 | Nov-15 |
| eV ACWI ex-US All Cap Equity Net Median | | | 2.7 | 11.5 | 15.5 | 7.9 | 4.1 | 5.8 | 5.8 | Nov-15 |
| eV ACWI ex-US All Cap Equity Net Rank | | | 99 | 99 | 99 | 95 | 93 | | 48 | Nov-15 |
| Morgan Stanley Intl Equity | 35,100,642 | 1.2 | 4.0 | 23.2 | 30.1 | | | | -5.0 | Apr-21 |
| MSCI ACWI ex USA | | | 2.4 | 9.5 | 12.7 | | | | -1.9 | Apr-21 |
| eV ACWI ex-US All Cap Equity Net Median | | | 2.7 | 11.5 | 15.5 | 7.9 | 4.1 | 5.8 | -1.5 | Apr-21 |
| eV ACWI ex-US All Cap Equity Net Rank | | | 15 | 1 | 1 | | | | 76 | Apr-21 |
| First Eagle International Equity | 50,116,580 | 1.7 | 1.8 | 8.4 | 11.5 | | | | 10.5 | Jun-22 |
| MSCI World ex USA | | | 3.0 | 11.3 | 17.4 | | | | 5.9 | Jun-22 |
| eV ACWI ex-US All Cap Equity Net Median | | | 2.7 | 11.5 | 15.5 | 7.9 | 4.1 | 5.8 | 4.9 | Jun-22 |
| eV ACWI ex-US All Cap Equity Net Rank | | | <i>75</i> | 84 | 83 | | | | 5 | Jun-22 |
| Emerging Markets Equity | 291,547,488 | 10.1 | 4.2 | 8.5 | 6.0 | 6.3 | 2.4 | | 2.6 | Jul-15 |
| MSCI Emerging Markets IMI Net | | | 1.6 | 5.6 | 3.2 | 3.6 | 1.4 | | 2.8 | Jul-15 |
| eV Emg Mkts Equity Net Median | | | 2.2 | 7.3 | 6.1 | 4.2 | 2.2 | 3.7 | 3.6 | Jul-15 |
| eV Emg Mkts Equity Net Rank | | | 26 | 37 | 52 | 37 | 44 | | 76 | Jul-15 |
| Northern Trust MSCI EM IMI | 96,245,283 | 3.3 | 1.2 | 5.7 | 3.4 | 3.6 | | | 1.7 | Oct-18 |
| MSCI Emerging Markets IMI Net | | | 1.6 | 5.6 | 3.2 | 3.6 | | | 1.8 | Oct-18 |
| Dimensional Fund Adv EM Value | 45,794,437 | 1.6 | 4.6 | 8.5 | 7.9 | 11.3 | 3.0 | | 5.1 | Nov-16 |
| MSCI Emerging Markets Value NR USD | | | 2.5 | 6.5 | 4.1 | 6.3 | 1.2 | | 3.1 | Nov-16 |
| eV Emg Mkts Equity Net Median | | | 2.2 | 7.3 | 6.1 | 4.2 | 2.2 | 3.7 | 4.5 | Nov-16 |
| eV Emg Mkts Equity Net Rank | | | 22 | 36 | 42 | 15 | 36 | | 36 | Nov-16 |



Total Fund | As of June 30, 2023

| | | | | | | | a a.i. | 4 710 | or oune o | ·, |
|---|--------------|-----------|------|------|------|-------|--------|------------|-----------|-----------|
| | Market Value | % of | QTD | YTD | 1 Yr | 3 Yrs | 5 Yrs | 10 Yrs | Inception | Inception |
| | (\$) | Portfolio | (%) | (%) | (%) | (%) | (%) | (%) | (%) | Date |
| GQG Global Emerging Markets | 59,052,480 | 2.1 | 10.7 | 14.0 | 10.0 | 6.0 | 5.5 | | 6.2 | Jul-17 |
| MSCI Emerging Markets | | | 0.9 | 4.9 | 1.7 | 2.3 | 0.9 | | 2.1 | Jul-17 |
| eV Emg Mkts Equity Net Median | | | 2.2 | 7.3 | 6.1 | 4.2 | 2.2 | 3.7 | 3.0 | Jul-17 |
| eV Emg Mkts Equity Net Rank | | | 2 | 8 | 32 | 39 | 13 | | 10 | Jul-17 |
| Redwheel Emerging Markets Equity | 28,710,694 | 1.0 | -0.7 | 3.1 | -0.6 | 3.4 | | | 3.7 | Sep-19 |
| MSCI Emerging Markets | | | 0.9 | 4.9 | 1.7 | 2.3 | | | 2.6 | Sep-19 |
| eV Emg Mkts Equity Net Median | | | 2.2 | 7.3 | 6.1 | 4.2 | 2.2 | <i>3.7</i> | 3.8 | Sep-19 |
| eV Emg Mkts Equity Net Rank | | | 91 | 93 | 91 | 55 | | | 52 | Sep-19 |
| Wellington Emerging Markets Systematic Equity | 39,973,633 | 1.4 | 5.0 | 12.2 | 8.6 | 7.5 | | | 5.4 | Sep-19 |
| MSCI Emerging Markets | | | 0.9 | 4.9 | 1.7 | 2.3 | | | 2.6 | Sep-19 |
| eV Emg Mkts Equity Net Median | | | 2.2 | 7.3 | 6.1 | 4.2 | 2.2 | 3.7 | 3.8 | Sep-19 |
| eV Emg Mkts Equity Net Rank | | | 20 | 14 | 40 | 31 | | | 33 | Sep-19 |
| Kotak India Midcap | 10,463,861 | 0.4 | 12.0 | 10.6 | 18.1 | | | | 2.3 | Jun-21 |
| MSCI India Midcap | | | 20.7 | 13.7 | 21.4 | | | | 2.6 | Jun-21 |
| eV Emg Mkts Equity Net Median | | | 2.2 | 7.3 | 6.1 | 4.2 | 2.2 | <i>3.7</i> | -11.0 | Jun-21 |
| eV Emg Mkts Equity Net Rank | | | 1 | 22 | 8 | | | | 1 | Jun-21 |
| Unifi India | 11,307,100 | 0.4 | 13.1 | | | | | | 13.1 | Apr-23 |
| MSCI India Midcap | | | 20.7 | | | | | | 20.7 | Apr-23 |
| eV Emg Mkts Equity Net Median | | | 2.2 | 7.3 | 6.1 | 4.2 | 2.2 | <i>3.7</i> | 2.2 | Apr-23 |
| eV Emg Mkts Equity Net Rank | | | 1 | | | | | | 1 | Apr-23 |
| Private Markets | 683,663,668 | 23.7 | 2.9 | 3.4 | 1.3 | 20.3 | 13.2 | | 10.5 | Jul-15 |
| Private Markets Benchmark | | | 2.9 | 3.4 | 1.3 | 20.3 | 12.9 | | 11.9 | Jul-15 |
| MSCI ACWI IMI + 100bps | | | 6.1 | 13.6 | 17.1 | 12.0 | 8.7 | | 9.0 | Jul-15 |



Total Fund | As of June 30, 2023

| | Market Value (\$) | % of Portfolio | QTD (%) | YTD (%) | 1 Yr (%) | 3 Yrs (%) | 5 Yrs (%) | 10 Yrs (%) | Inception (%) | Inception Date |
|--|----------------------|-------------------|------------|------------|-------------|--------------|--------------|---------------|------------------|-------------------|
| Private Markets ex Russell 3000 | 683,663,668 | 23.7 | 2.9 | 3.4 | 1.3 | 21.4 | 13.9 | | 10.9 | Jul-15 |
| Private Equity | 359,469,305 | 12.5 | 5.5 | 5.3 | -0.5 | 26.3 | 19.0 | 14.8 | 10.2 | Jan-06 |
| San Jose Custom Private Equity Benchmark | | | 2.7 | <i>3.7</i> | -1.6 | 24.9 | 16.1 | 14.7 | 12.5 | Jan-06 |
| PE Strategic Partnership, LP | 324,918,058 | 11.3 | 5.7 | 5.7 | -0.4 | 27.1 | 21.2 | | 16.5 | Aug-17 |
| Pathway Private Eq Fund VIII | 543,074 | 0.0 | -9.4 | -14.2 | -19.1 | -3.2 | -8.7 | -0.9 | 3.5 | Jul-09 |
| Pantheon USA Fund VII, LP | 5,526,039 | 0.2 | 1.3 | 0.3 | -8.0 | 21.1 | 10.9 | | 11.4 | Jul-09 |
| Pantheon Global Secondary III | 442,520 | 0.0 | -0.1 | -0.1 | -2.5 | -5.1 | -3.9 | -0.9 | 1.1 | Jul-09 |
| Great Hill Equity Partners IV | 4,479,485 | 0.2 | 39.9 | 52.1 | 31.2 | 32.4 | 31.5 | 34.3 | 30.2 | Jul-09 |
| Partners Group Secondary 2008 | 508,514 | 0.0 | 3.4 | 6.4 | -4.7 | 14.5 | 4.9 | 5.9 | 8.0 | Jul-09 |
| Partners Group Secondary 2011 | 3,106,614 | 0.1 | 0.0 | -2.9 | -21.1 | 17.0 | 4.8 | 10.4 | 14.0 | Nov-12 |
| Innovation Endeavors III | 13,409,206 | 0.5 | -2.3 | -5.8 | -4.0 | 42.3 | 24.5 | | 24.1 | Jun-18 |
| Crestline Portfolio Financing | 6,535,796 | 0.2 | 3.2 | 1.0 | 5.7 | 7.4 | 8.6 | | 8.4 | Jun-18 |
| Venture Capital | 15,921,121 | 0.6 | -3.9 | -4.0 | -4.2 | | | | -2.7 | Jun-21 |
| Innovation Endeavors IV | 1,943,257 | 0.1 | -0.7 | -2.6 | -5.2 | | | | -5.8 | Jun-21 |
| TI Platform SJFED LP | 7,515,274 | 0.3 | -4.4 | -4.4 | -4.4 | | | | -1.9 | Jul-21 |
| Soma Capital Fund III LP | 2,387,900 | 0.1 | -1.3 | -0.6 | 3.7 | | | | 4.9 | Dec-21 |
| Fin VC Horizons II | 4,074,690 | 0.1 | -5.5 | -5.5 | -7.5 | | | | | Jan-22 |

Returns for the Private Debt and Real Assets Aggregates are gross of fees through June 2015 and net of fees thereafter.



Total Fund | As of June 30, 2023

| | | | | | | | | - , | | -, |
|--|--------------|-----------|------|------|------|-------|-------|--------|-----------|-----------|
| | Market Value | % of | QTD | YTD | 1 Yr | 3 Yrs | 5 Yrs | 10 Yrs | Inception | Inception |
| | (\$) | Portfolio | (%) | (%) | (%) | (%) | (%) | (%) | (%) | Date |
| ivate Debt | 121,662,805 | 4.2 | 1.1 | 2.2 | 2.2 | 17.6 | 6.8 | 4.8 | 5.3 | Dec-10 |
| S&P Global Leveraged Loan Index +2% | | | 3.7 | 7.5 | 12.9 | 8.4 | 5.9 | 5.9 | 6.2 | Dec-10 |
| White Oak Direct Lending | 32,408,443 | 1.1 | -6.3 | -5.1 | -4.7 | 48.2 | 23.0 | 10.6 | 9.3 | Feb-11 |
| Blackstone/GSO Cap Partners | 4,512,572 | 0.2 | 13.1 | 13.1 | 18.8 | 0.0 | -12.0 | -5.1 | -1.1 | Mar-11 |
| Medley Opportunity Fund II LP | 2,525,359 | 0.1 | -4.0 | -4.0 | -4.0 | -6.7 | -10.3 | -3.2 | -1.6 | Jun-11 |
| Cross Ocean USD ESS Fund II LP | 2,620,230 | 0.1 | 0.1 | -0.5 | 0.2 | 8.4 | 5.7 | | 8.1 | Aug-16 |
| Crestline Co-Investment | 1,470,514 | 0.1 | 2.2 | 3.8 | 20.1 | 15.6 | | | 13.3 | Mar-19 |
| Cross Ocean USD ESS Fund III, L.P. | 22,823,956 | 0.8 | 3.6 | 4.7 | 6.4 | 16.1 | | | 11.5 | Jun-19 |
| Arbour Lane Credit Opportunity Fund II, L.P. | 10,050,958 | 0.3 | 6.1 | 6.1 | 5.1 | 3.6 | | | 17.1 | Apr-20 |
| Eagle Point Defensive Income Fund | 7,300,835 | 0.3 | 2.6 | 2.5 | -5.9 | 2.7 | | | 2.6 | Jun-20 |
| HPS Special Situations Opportunity Fund | 7,203,048 | 0.3 | 5.8 | 9.2 | 17.1 | | | | 21.2 | Jan-21 |
| Crestline Portfolio Financing Fund II | 2,946,288 | 0.1 | 2.5 | 7.8 | 13.3 | | | | 10.0 | Jan-21 |
| SVP Special Situations V | 4,149,363 | 0.1 | 4.4 | 7.5 | 3.8 | | | | 6.3 | Jun-21 |
| Arbour Lane COF III | 4,849,691 | 0.2 | 6.3 | 6.5 | -3.0 | | | | -2.1 | Nov-21 |
| Octagon CLO Opp Fund IV | 8,850,973 | 0.3 | 7.0 | 7.0 | 6.3 | | | | 4.7 | Mar-22 |
| Angelo Gordon CS II | 4,448,092 | 0.2 | 2.2 | 1.9 | -4.9 | | | | -2.7 | Feb-22 |
| HPS SP SIT OPP II | 1,534,639 | 0.1 | 4.6 | 2.0 | | | | | 2.0 | Dec-22 |
| Eagle Point DIF II | 3,967,844 | 0.1 | 0.5 | 8.2 | | | | | 4.8 | Sep-22 |
| | | | | | | | | | | |



Total Fund | As of June 30, 2023

| | Market Value (\$) | % of Portfolio | QTD (%) | YTD (%) | 1 Yr (%) | 3 Yrs (%) | 5 Yrs (%) | 10 Yrs (%) | Inception (%) | Inception Date |
|-------------------------------------|----------------------|-------------------|------------|------------|-------------|--------------|--------------|---------------|------------------|-------------------|
| Growth Real Estate | 118,191,791 | 4.1 | -0.8 | -0.5 | 4.9 | 13.2 | 12.4 | | 14.8 | Jul-15 |
| NCREIF Property Index | | | -2.0 | -3.8 | -6.6 | 6.8 | 5.9 | | 6.8 | Jul-15 |
| DRA Growth & Income Fund VII | 834,061 | 0.0 | 16.5 | 16.5 | 18.7 | 50.7 | 53.3 | 37.6 | 34.9 | Apr-12 |
| DRA Growth & Income Fund VIII | 3,892,392 | 0.1 | -26.0 | -26.0 | -24.4 | -6.5 | -0.8 | | 4.2 | Jan-15 |
| Tristan - EPISO IV | 12,771,566 | 0.4 | 0.9 | -1.6 | 3.3 | 8.0 | 7.0 | | 7.4 | Jan-16 |
| DRA Growth & Income Fund IX | 13,487,533 | 0.5 | 8.0 | 0.8 | 8.3 | 23.2 | 18.5 | | 17.2 | Feb-17 |
| GEM Realty Fund VI | 5,012,336 | 0.2 | -1.0 | -8.7 | -9.3 | 14.1 | 12.0 | | 6.8 | Dec-17 |
| Torchlight Debt Opportunity VI | 22,179,034 | 0.8 | 0.8 | 2.1 | 6.6 | 10.5 | 6.5 | | 6.1 | Apr-18 |
| Tristan - EPISO V | 10,589,083 | 0.4 | 1.1 | 4.8 | 13.8 | 5.6 | | | -27.9 | Apr-19 |
| DRA Growth & Income Fund X | 10,060,441 | 0.3 | 2.0 | 2.0 | 11.0 | 23.7 | | | 23.2 | Mar-20 |
| Rockpoint Real Estate Fund VI, L.P. | 5,518,754 | 0.2 | -2.1 | -2.1 | -2.3 | 13.5 | | | 12.8 | May-20 |
| Exeter Industrial Value Fund V | 8,078,745 | 0.3 | 0.6 | 5.8 | 1.3 | | | | 28.8 | Oct-20 |
| Torchlight Debt Fund VII | 3,220,670 | 0.1 | 0.5 | 2.4 | 7.6 | | | | 4.1 | Feb-21 |
| H.I.G. Realty Partners IV, L.P. | 7,531,682 | 0.3 | 2.8 | 7.6 | 23.2 | | | | | Dec-21 |
| Praedium X MidInc | 3,560,423 | 0.1 | -4.4 | -14.6 | -15.1 | | | | -12.2 | Apr-22 |
| AIGGRE Fund IV | 7,085,741 | 0.2 | -0.4 | -1.3 | 37.2 | | | | 28.0 | Jun-22 |

Returns for the Private Debt and Real Assets Aggregates are gross of fees through June 2015 and net of fees thereafter.



Total Fund | As of June 30, 2023

| | Market Value (\$) | % of Portfolio | QTD (%) | YTD (%) | 1 Yr (%) | 3 Yrs (%) | 5 Yrs (%) | 10 Yrs (%) | Inception (%) | Inception Date |
|--|----------------------|-------------------|------------|------------|-------------|--------------|--------------|---------------|------------------|-------------------|
| Centerbridge RE II | 2,865,582 | 0.1 | 4.1 | 7.1 | | | | | -8.2 | Jul-22 |
| GCP SecureSpace Property Partners, L.P | 1,503,748 | 0.1 | -27.7 | -27.7 | | | | | -25.3 | Jul-22 |
| Private Real Assets | 68,418,645 | 2.4 | 1.2 | 5.1 | 6.3 | 19.6 | 11.0 | | 9.0 | Jul-15 |
| Global Infra Part III-A/B, LP | 25,914,358 | 0.9 | 1.2 | 7.8 | 8.2 | 19.4 | 12.0 | | 6.8 | Sep-16 |
| Lime Rock Partners VIII | 3,478,972 | 0.1 | -6.7 | 0.0 | 5.1 | 26.8 | | | 9.5 | Dec-18 |
| Kimmeridge Energy Fund V, L.P. | 6,288,692 | 0.2 | 18.4 | 18.4 | 15.0 | 41.3 | | | 15.6 | Aug-19 |
| Global Infra Partners IV | 2,589,623 | 0.1 | 1.2 | 2.3 | 5.8 | -42.5 | | | | Sep-19 |
| Lime Rock New Energy, L.P. | 2,154,100 | 0.1 | 17.0 | 24.8 | 33.6 | | | | | Aug-20 |
| Orion Mine Finance III | 4,426,950 | 0.2 | 14.8 | 14.8 | 13.4 | | | | 11.5 | Aug-20 |
| Real Assets Coinvest I | 45,000 | 0.0 | -96.3 | -96.3 | -96.3 | | | | -69.7 | Sep-20 |
| Crestline Co-Investment II | 3,408,573 | 0.1 | -5.8 | -3.6 | -0.4 | | | | 26.0 | Jan-21 |
| Tembo Cap Mining III | 2,634,045 | 0.1 | 5.9 | 22.8 | | | | | 3.0 | Oct-21 |
| Mountain Capital II | 2,363,751 | 0.1 | -1.2 | -6.1 | -13.5 | | | | 2.3 | Jan-22 |
| Aether Seed Partners I | 3,485,913 | 0.1 | -1.8 | -1.8 | 414.9 | | | | 307.4 | May-22 |
| Hull Street Energy II | 3,454,076 | 0.1 | -34.5 | -34.5 | -34.5 | | | | -34.5 | Jul-22 |
| Kimmeridge Fund VI | 5,891,419 | 0.2 | 6.0 | 6.0 | | | | | 6.0 | Oct-22 |
| HIG Infrastructure Partners | 1,147,967 | 0.0 | -8.9 | -42.1 | | | | | -42.1 | Jan-23 |
| Paine Schwartz VI | 1,135,206 | 0.0 | -5.3 | | | | | | -5.3 | Apr-23 |



Total Fund | As of June 30, 2023

| | Market Value | % of | QTD | YTD | 1 Yr | 3 Yrs | 5 Yrs | 10 Yrs | Inception | · · |
|---------------------------------------|--------------|-----------|------|------|------|-------|------------|--------|-----------|--------|
| | (\$) | Portfolio | (%) | (%) | (%) | (%) | (%) | (%) | (%) | Date |
| Emerging Markets Debt | 83,340,993 | 2.9 | -2.5 | 0.9 | -0.4 | 3.4 | 4.8 | | 3.5 | Jul-15 |
| 50% JPM EMBI GD / 50% JPM GBI-EM | | | 2.3 | 5.9 | 9.4 | -2.2 | 0.5 | | 1.5 | Jul-15 |
| eV All Emg Mkts Fixed Inc Net Median | | | 2.3 | 4.5 | 8.6 | -1.0 | 1.1 | 2.2 | 2.0 | Jul-15 |
| eV All Emg Mkts Fixed Inc Net Rank | | | 99 | 98 | 99 | 5 | 2 | | 7 | Jul-15 |
| Wellington Iguazu Partners LP Fund | 58,303,273 | 2.0 | -4.5 | -1.1 | -3.7 | 6.1 | | | 8.4 | May-19 |
| 50% JPM EMBI GD / 50% JPM GBI-EM | | | 2.3 | 5.9 | 9.4 | -2.2 | | | -0.8 | May-19 |
| eV All Emg Mkts Fixed Inc Net Median | | | 2.3 | 4.5 | 8.6 | -1.0 | 1.1 | 2.2 | 0.2 | May-19 |
| eV All Emg Mkts Fixed Inc Net Rank | | | 99 | 99 | 99 | 1 | | | 1 | May-19 |
| Payden EMD Blended Currency | 25,037,719 | 0.9 | 2.6 | 5.7 | 12.1 | | | | -5.6 | Dec-20 |
| 50% JPM EMBI GD / 50% JPM GBI-EM | | | 2.3 | 5.9 | 9.4 | | | | -6.1 | Dec-20 |
| eV All Emg Mkts Fixed Inc Net Median | | | 2.3 | 4.5 | 8.6 | -1.0 | 1.1 | 2.2 | -4.9 | Dec-20 |
| eV All Emg Mkts Fixed Inc Net Rank | | | 42 | 36 | 20 | | | | 67 | Dec-20 |
| High Yield Bonds | 58,976,952 | 2.0 | 1.4 | 5.4 | 9.8 | 3.6 | 2.5 | | 1.3 | Jun-14 |
| Bloomberg US Corporate High Yield TR | | | 1.7 | 5.4 | 9.1 | 3.1 | 3.4 | | 3.7 | Jun-14 |
| Mellon High Yield Beta | 5,354,642 | 0.2 | 1.8 | 5.6 | 9.9 | 3.5 | | | 3.4 | Jun-20 |
| Bloomberg US Corporate High Yield TR | | | 1.7 | 5.4 | 9.1 | 3.1 | | | 3.4 | Jun-20 |
| eV US High Yield Fixed Inc Net Median | | | 1.4 | 4.8 | 8.3 | 3.2 | 3.2 | 4.1 | 3.3 | Jun-20 |
| eV US High Yield Fixed Inc Net Rank | | | 23 | 17 | 11 | 36 | | | 47 | Jun-20 |
| Columbia High Yield | 53,622,310 | 1.9 | 1.4 | 5.4 | 9.8 | | | | 0.0 | Dec-20 |
| Bloomberg US Corporate High Yield TR | | | 1.7 | 5.4 | 9.1 | | | | -0.6 | Dec-20 |
| eV US High Yield Fixed Inc Net Median | | | 1.4 | 4.8 | 8.3 | 3.2 | <i>3.2</i> | 4.1 | -0.3 | Dec-20 |
| eV US High Yield Fixed Inc Net Rank | | | 57 | 22 | 13 | | | | 45 | Dec-20 |



Total Fund | As of June 30, 2023

| | Market Value (\$) | % of Portfolio | QTD (%) | YTD (%) | 1 Yr (%) | 3 Yrs (%) | 5 Yrs (%) | 10 Yrs (%) | Inception (%) | Inception Date |
|-------------------------------------|----------------------|-------------------|------------|------------|-------------|--------------|--------------|---------------|------------------|-------------------|
| Low Beta | 302,738,689 | 10.5 | 0.7 | 1.6 | 1.9 | 4.4 | 4.0 | | 3.1 | Jul-15 |
| Low Beta Benchmark | | | 0.3 | 1.9 | 1.9 | 0.3 | 1.2 | | 0.8 | Jul-15 |
| Immunized Cash Flows | 162,315,118 | 5.6 | -0.5 | 1.2 | -0.2 | -0.8 | _ | | 1.1 | Oct-18 |
| Bloomberg US Govt/Credit 1-3 Yr. TR | | | -0.4 | 1.1 | 0.5 | -0.9 | | | 1.1 | Oct-18 |
| Insight Immunized Cash Flow | 162,315,118 | 5.6 | -0.5 | 1.2 | -0.2 | -0.8 | | | | Jun-19 |
| Bloomberg US Govt/Credit 1-3 Yr. TR | | | -0.4 | 1.1 | 0.5 | -0.9 | | | | Jun-19 |
| Market Neutral Strategies | 88,501,686 | 3.1 | 3.4 | 2.4 | 6.7 | 15.1 | 10.0 | 6.5 | 6.5 | Nov-12 |
| Market Neutral Strategies Benchmark | | | 1.6 | 3.1 | 5.4 | 2.1 | 2.0 | 1.6 | 1.5 | Nov-12 |
| Relative Value | 88,501,686 | 3.1 | 3.4 | 2.4 | 6.7 | 15.6 | 8.9 | | 6.7 | Oct-14 |
| HFRI Relative Value (Total) Index | | | 1.2 | 2.5 | 4.0 | 5.9 | 3.6 | | 3.5 | Oct-14 |
| Pine River Fund, Ltd | 282,570 | 0.0 | 0.0 | -7.0 | -1.5 | -1.1 | 4.5 | 2.6 | 3.2 | Jan-13 |
| HFRI Relative Value (Total) Index | | | 1.2 | 2.5 | 4.0 | 5.9 | 3.6 | 4.0 | 4.1 | Jan-13 |
| DE Shaw Composite Fund, LLC | 42,996,642 | 1.5 | 0.6 | 3.0 | 12.1 | 19.9 | 16.7 | 13.8 | 13.9 | Apr-13 |
| HFRI Fund Weighted Composite Index | | | 2.2 | 3.4 | 5.0 | 8.1 | 5.0 | 4.7 | 4.5 | Apr-13 |
| Hudson Bay | 10,089,360 | 0.4 | 0.5 | 1.9 | 7.9 | 9.3 | 10.3 | | 9.4 | Aug-17 |
| HFRI Relative Value (Total) Index | | | 1.2 | 2.5 | 4.0 | 5.9 | 3.6 | | 3.6 | Aug-17 |
| Crabel Advanced Trend | 35,133,113 | 1.2 | 8.0 | 1.8 | 0.2 | | | | 10.0 | Jun-21 |
| Barclay CTA Index | | | 2.5 | 0.5 | -0.4 | | | | 4.1 | Jun-21 |
| Cash | 51,921,885 | 1.8 | 0.7 | 1.7 | 3.0 | 1.1 | 1.4 | | | Jan-06 |
| ICE BofA 91 Days T-Bills TR | | | 1.2 | 2.3 | 3.6 | 1.3 | 1.6 | | | Jan-06 |

Cash composite includes the cash account, cash collateral in the Russell Investments Overlay program, and residuals from terminated manager assets.



Total Fund | As of June 30, 2023

| | Market Value (\$) | % of Portfolio | QTD (%) | YTD (%) | 1 Yr (%) | 3 Yrs (%) | 5 Yrs (%) | 10 Yrs (%) | Inception (%) | Inception Date |
|--|----------------------|-------------------|------------|------------|-------------|--------------|--------------|---------------|------------------|-------------------|
| Other | 394,619,156 | 13.7 | -1.8 | -2.0 | -2.0 | 0.1 | 0.8 | 1.6 | 1.7 | Jul-04 |
| Other Benchmark | | | -1.7 | -1.0 | -2.0 | -0.2 | -0.1 | | | Jul-04 |
| Investment Grade Bonds | 123,728,072 | 4.3 | -0.4 | 2.4 | -1.5 | -2.7 | | | -0.6 | Dec-19 |
| Custom IG Bonds Benchmark | | | -0.7 | 1.8 | -0.6 | -3.1 | | | -1.2 | Dec-19 |
| Voya Securitized Credit | 40,668,468 | 1.4 | 0.2 | 3.6 | -1.5 | -1.0 | | | -0.4 | May-20 |
| Bloomberg US Securitized MBS ABS CMBS TR | | | -0.6 | 1.8 | -1.5 | -3.6 | | | -3.4 | May-20 |
| Invesco Core Bonds | 83,059,604 | 2.9 | -0.6 | 1.8 | -1.5 | | | | -5.1 | Feb-21 |
| Bloomberg US Aggregate TR | | | -0.8 | 2.1 | -0.9 | | | | -4.7 | Feb-21 |
| TIPS | 57,074,041 | 2.0 | -0.7 | 1.5 | 0.0 | 2.4 | 2.6 | | 1.6 | Jul-14 |
| BBg U.S. TIPS 0-5 Years | | | -0.7 | 1.5 | 0.1 | 2.3 | 2.7 | | 1.7 | Jul-14 |
| Northern Trust 0-5 Year TIPS | 57,074,041 | 2.0 | -0.7 | 1.5 | 0.0 | 2.4 | 2.9 | | 1.8 | Jul-14 |
| Bloomberg US Treasury TIPS 0-5 Yr TR | | | -0.7 | 1.5 | 0.1 | <i>2.3</i> | 2.7 | | 1.7 | Jul-14 |
| Core Private Real Estate | 157,317,404 | 5.5 | -3.1 | -7.8 | -0.2 | 10.1 | 8.3 | 9.4 | 8.6 | Jul-15 |
| Core Real Estate Benchmark | | | -3.4 | -8.4 | -3.9 | 8.1 | 6.2 | | 7.0 | Jul-15 |
| BlackRock Core Property Fund | 29,749,306 | 1.0 | -4.0 | -7.8 | 1.4 | 10.8 | | | 8.7 | Feb-19 |
| Core Real Estate Benchmark 2 | | | -3.4 | -8.4 | -3.9 | 8.1 | | | 6.1 | Feb-19 |
| Clarion Lion Properties Fund | 58,625,479 | 2.0 | -5.3 | -10.4 | -3.6 | 8.9 | | | 7.3 | Apr-19 |
| Core Real Estate Benchmark 2 | | | -3.4 | -8.4 | -3.9 | 8.1 | | | 6.3 | Apr-19 |
| Clarion Lion Industrial Trust | 14,702,043 | 0.5 | -0.8 | -2.3 | 9.7 | | | | 18.5 | Oct-21 |
| Core Real Estate Benchmark 3 | | | -3.4 | -8.4 | -3.9 | | | | 6.1 | Oct-21 |



Total Fund | As of June 30, 2023

| | Market Value (\$) | % of Portfolio | QTD (%) | YTD (%) | 1 Yr (%) | 3 Yrs (%) | 5 Yrs (%) | 10 Yrs (%) | Inception (%) | Inception Date |
|-------------------------------|----------------------|-------------------|------------|------------|-------------|--------------|--------------|---------------|------------------|-------------------|
| TA Realty Core Property Fund | 54,240,576 | 1.9 | -0.7 | -6.2 | 0.0 | | | | 9.7 | Oct-21 |
| Core Real Estate Benchmark 3 | | | -3.4 | -8.4 | -3.9 | | | | 6.1 | Oct-21 |
| Long-Term Government Bonds | 56,499,639 | 2.0 | -2.3 | 4.2 | -6.7 | -12.0 | | | -11.3 | May-20 |
| Bloomberg US Treasury Long TR | | | -2.3 | 3.7 | -6.8 | -12.1 | | - | -12.0 | May-20 |
| BlackRock Long-Term Gov Bonds | 56,499,639 | 2.0 | -2.3 | 4.2 | -6.7 | -12.0 | | | -11.3 | May-20 |
| Bloomberg US Treasury Long TR | | | -2.3 | 3.7 | -6.8 | -12.1 | | | -12.0 | May-20 |
| Overlay | 7,677,472 | 0.3 | | | | | | | | |
| Russell Investments Overlay | 7,670,254 | 0.3 | | | | | | | | |



Total Fund | As of June 30, 2023

| Cash Flow Summary | | | | | | | | | | | |
|--|---------------------------|-----------------|----------------|---------------|--------------------------|------------------------|--|--|--|--|--|
| | Quarter | Ending June 30, | 2023 | | | | | | | | |
| | Beginning Market Value | Contributions | Withdrawals | Net Cash Flow | Net Investment Change | Ending Market Value | | | | | |
| Aether Seed Partners I | \$1,319,569 | \$2,243,975 | \$0 | \$2,243,975 | -\$77,631 | \$3,485,913 | | | | | |
| AIGGRE Fund IV | \$6,743,452 | \$371,011 | \$0 | \$371,011 | -\$28,722 | \$7,085,741 | | | | | |
| Angelo Gordon CS II | \$4,469,070 | \$0 | -\$116,973 | -\$116,973 | \$95,995 | \$4,448,092 | | | | | |
| Arbour Lane COF III | \$3,480,470 | \$1,139,357 | \$0 | \$1,139,357 | \$229,864 | \$4,849,691 | | | | | |
| Arbour Lane Credit Opportunity Fund II, L.P. | \$10,103,037 | \$0 | -\$643,884 | -\$643,884 | \$591,805 | \$10,050,958 | | | | | |
| Artisan Global Opportunities | \$108,806,203 | \$0 | \$0 | \$0 | \$6,444,026 | \$115,250,229 | | | | | |
| Artisan Global Value | \$148,156,482 | \$0 | -\$30,000,000 | -\$30,000,000 | \$7,882,640 | \$126,039,122 | | | | | |
| BlackRock Core Property Fund | \$31,296,652 | \$0 | -\$300,498 | -\$300,498 | -\$1,246,848 | \$29,749,306 | | | | | |
| BlackRock Long-Term Gov Bonds | \$47,638,169 | \$10,000,000 | \$0 | \$10,000,000 | -\$1,138,530 | \$56,499,639 | | | | | |
| Blackstone/GSO Cap Partners | \$3,988,662 | \$0 | \$0 | \$0 | \$523,910 | \$4,512,572 | | | | | |
| Burgundy US Small Cap | | \$30,000,000 | \$0 | \$30,000,000 | \$1,121,570 | \$31,121,570 | | | | | |
| Cash Account | \$23,757,692 | \$189,309,052 | -\$161,305,213 | \$28,003,839 | \$160,354 | \$51,921,885 | | | | | |
| Centerbridge RE II | \$2,753,875 | \$0 | \$0 | \$0 | \$111,707 | \$2,865,582 | | | | | |
| Clarion Lion Industrial Trust | \$14,876,978 | \$0 | -\$48,950 | -\$48,950 | -\$125,984 | \$14,702,043 | | | | | |
| Clarion Lion Properties Fund | \$62,288,383 | \$0 | -\$375,276 | -\$375,276 | -\$3,287,628 | \$58,625,479 | | | | | |
| Columbia High Yield | \$52,903,725 | \$0 | \$0 | \$0 | \$718,585 | \$53,622,310 | | | | | |
| Cove Street Small Cap Value | \$12,000,319 | \$0 | -\$13,067,713 | -\$13,067,713 | \$1,068,188 | \$794 | | | | | |
| Crabel Advanced Trend | \$32,531,755 | \$0 | \$0 | \$0 | \$2,601,358 | \$35,133,113 | | | | | |
| Crestline Co-Investment | \$1,438,196 | \$0 | \$0 | \$0 | \$32,318 | \$1,470,514 | | | | | |
| Crestline Co-Investment II | \$3,617,952 | \$0 | \$0 | \$0 | -\$209,379 | \$3,408,573 | | | | | |
| Crestline Portfolio Financing | \$6,127,804 | \$214,669 | \$0 | \$214,669 | \$193,323 | \$6,535,796 | | | | | |
| Crestline Portfolio Financing Fund II | \$2,007,554 | \$943,136 | -\$76,991 | \$866,145 | \$72,589 | \$2,946,288 | | | | | |



Total Fund | As of June 30, 2023

| | Beginning Market Value | Contributions | Withdrawals | Net Cash Flow | Net Investment Change | Ending Market Value |
|---|---------------------------|---------------|---------------|---------------|--------------------------|------------------------|
| Cross Ocean USD ESS Fund II LP | \$2,616,942 | \$0 | \$0 | \$0 | \$3,288 | \$2,620,230 |
| Cross Ocean USD ESS Fund III, L.P. | \$22,039,359 | \$0 | \$0 | \$0 | \$784,597 | \$22,823,956 |
| DE Shaw Composite Fund, LLC | \$42,734,852 | \$0 | \$0 | \$0 | \$261,790 | \$42,996,642 |
| Dimensional Fund Adv EM Value | \$43,779,551 | \$0 | \$0 | \$0 | \$2,014,886 | \$45,794,437 |
| DRA Growth & Income Fund IX | \$14,802,565 | \$0 | -\$1,428,839 | -\$1,428,839 | \$113,807 | \$13,487,533 |
| DRA Growth & Income Fund VII | \$715,812 | \$0 | \$0 | \$0 | \$118,249 | \$834,061 |
| DRA Growth & Income Fund VIII | \$5,258,891 | \$0 | \$0 | \$0 | -\$1,366,499 | \$3,892,392 |
| DRA Growth & Income Fund X | \$8,854,025 | \$1,105,263 | -\$75,027 | \$1,030,236 | \$176,180 | \$10,060,441 |
| Eagle Point Defensive Income Fund | \$7,244,103 | \$0 | -\$130,818 | -\$130,818 | \$187,550 | \$7,300,835 |
| Eagle Point DIF II | \$2,046,033 | \$1,906,000 | \$0 | \$1,906,000 | \$15,811 | \$3,967,844 |
| Exeter Industrial Value Fund V | \$8,031,132 | \$0 | \$0 | \$0 | \$47,614 | \$8,078,745 |
| Fin VC Horizons II | \$4,311,363 | \$0 | \$0 | \$0 | -\$236,672 | \$4,074,690 |
| First Eagle International Equity | \$49,252,534 | \$0 | \$0 | \$0 | \$864,047 | \$50,116,580 |
| GCP SecureSpace Property Partners, L.P | \$1,475,456 | \$436,667 | \$0 | \$436,667 | -\$408,375 | \$1,503,748 |
| GEM Realty Fund VI | \$5,064,480 | \$0 | \$0 | \$0 | -\$52,144 | \$5,012,336 |
| Global Infra Part III-A/B, LP | \$25,684,823 | \$0 | -\$85,918 | -\$85,918 | \$315,453 | \$25,914,358 |
| Global Infra Partners IV | \$2,579,429 | \$20,154 | -\$39,856 | -\$19,702 | \$29,896 | \$2,589,623 |
| GQG Global Emerging Markets | \$63,309,640 | \$0 | -\$10,000,000 | -\$10,000,000 | \$5,742,840 | \$59,052,480 |
| Great Hill Equity Partners IV | \$3,389,521 | \$0 | -\$236,699 | -\$236,699 | \$1,326,663 | \$4,479,485 |
| H.I.G. Realty Partners IV, L.P. | \$6,397,142 | \$928,513 | \$0 | \$928,513 | \$206,027 | \$7,531,682 |
| HIG Infrastructure Partners | \$174,715 | \$1,056,918 | \$0 | \$1,056,918 | -\$83,666 | \$1,147,967 |
| HPS SP SIT OPP II | \$1,466,457 | \$0 | \$0 | \$0 | \$68,182 | \$1,534,639 |
| HPS Special Situations Opportunity Fund | \$7,512,419 | \$0 | -\$739,833 | -\$739,833 | \$430,462 | \$7,203,048 |
| Hudson Bay | \$10,040,913 | \$0 | \$0 | \$0 | \$48,447 | \$10,089,360 |
| Hull Street Energy II | \$318,033 | \$3,265,598 | \$0 | \$3,265,598 | -\$129,555 | \$3,454,076 |



Total Fund | As of June 30, 2023

| | Beginning Market Value | Contributions | Withdrawals | Net Cash Flow | Net Investment Change | Ending Market Value |
|---------------------------------|---------------------------|---------------|---------------|---------------|--------------------------|------------------------|
| Innovation Endeavors III | \$13,728,886 | \$0 | \$0 | \$0 | -\$319,680 | \$13,409,206 |
| Innovation Endeavors IV | \$1,477,729 | \$480,000 | \$0 | \$480,000 | -\$14,472 | \$1,943,257 |
| Insight Immunized Cash Flow | \$200,713,076 | \$0 | -\$37,605,276 | -\$37,605,276 | -\$792,682 | \$162,315,118 |
| Invesco Core Bonds | \$83,588,055 | \$1,830 | -\$1,830 | \$0 | -\$528,452 | \$83,059,604 |
| Kimmeridge Energy Fund V, L.P. | \$5,309,509 | \$0 | \$0 | \$0 | \$979,183 | \$6,288,692 |
| Kimmeridge Fund VI | \$5,543,333 | \$13,143 | \$0 | \$13,143 | \$334,943 | \$5,891,419 |
| Kotak India Midcap | \$9,345,285 | \$0 | \$0 | \$0 | \$1,118,576 | \$10,463,861 |
| Lime Rock New Energy, L.P. | \$1,833,146 | \$10,126 | \$0 | \$10,126 | \$310,828 | \$2,154,100 |
| Lime Rock Partners VIII | \$3,800,300 | \$0 | -\$65,974 | -\$65,974 | -\$255,354 | \$3,478,972 |
| Medley Opportunity Fund II LP | \$4,378,782 | \$0 | -\$1,738,314 | -\$1,738,314 | -\$115,109 | \$2,525,359 |
| Mellon High Yield Beta | \$5,259,114 | \$0 | \$0 | \$0 | \$95,528 | \$5,354,642 |
| Morgan Stanley Intl Equity | \$33,758,796 | \$0 | \$0 | \$0 | \$1,341,846 | \$35,100,642 |
| Mountain Capital II | \$1,013,606 | \$1,377,880 | \$0 | \$1,377,880 | -\$27,735 | \$2,363,751 |
| Northern Trust 0-5 Year TIPS | \$57,454,866 | \$0 | \$0 | \$0 | -\$380,826 | \$57,074,041 |
| Northern Trust MSCI EM IMI | \$100,167,080 | \$0 | -\$5,000,000 | -\$5,000,000 | \$1,078,204 | \$96,245,283 |
| Northern Trust MSCI World ex US | \$140,511,222 | \$5,000,000 | -\$5,000,000 | \$0 | \$4,136,350 | \$144,647,572 |
| Northern Trust Russell 3000 PE | \$524,238,014 | \$5,000,000 | -\$55,000,000 | -\$50,000,000 | \$42,664,932 | \$516,902,945 |
| Oberweis Intl Opportunities | \$38,106,580 | \$0 | \$0 | \$0 | -\$391,794 | \$37,714,786 |
| Octagon CLO Opp Fund IV | \$8,571,947 | \$0 | -\$320,618 | -\$320,618 | \$599,644 | \$8,850,973 |
| Orion Mine Finance III | \$4,194,665 | \$32,553 | -\$421,454 | -\$388,901 | \$621,186 | \$4,426,950 |
| Paine Schwartz VI | \$0 | \$1,193,563 | -\$6,496 | \$1,187,067 | -\$51,861 | \$1,135,206 |
| Pantheon Global Secondary III | \$443,066 | \$0 | \$0 | \$0 | -\$546 | \$442,520 |
| Pantheon USA Fund VII, LP | \$5,692,305 | \$0 | -\$240,001 | -\$240,001 | \$73,735 | \$5,526,039 |
| Partners Group Secondary 2008 | \$550,434 | \$0 | -\$58,557 | -\$58,557 | \$16,636 | \$508,514 |
| Partners Group Secondary 2011 | \$3,195,331 | \$0 | -\$90,020 | -\$90,020 | \$1,303 | \$3,106,614 |
| Pathway Private Eq Fund VIII | \$582,781 | \$15,744 | \$0 | \$15,744 | -\$55,451 | \$543,074 |

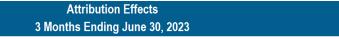


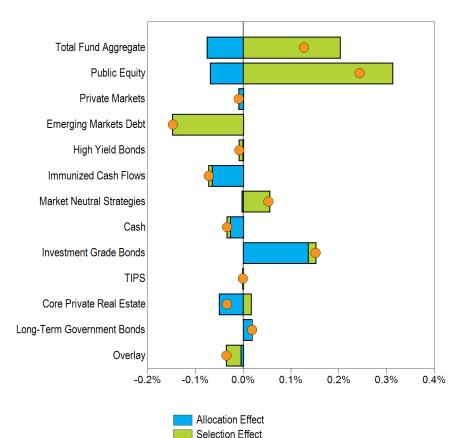
Total Fund | As of June 30, 2023

| | Beginning Market Value | Contributions | Withdrawals | Net Cash Flow | Net Investment Change | Ending Market Value |
|---|---------------------------|---------------|----------------|---------------|--------------------------|------------------------|
| Payden EMD Blended Currency | \$14,397,236 | \$10,000,000 | \$0 | \$10,000,000 | \$640,484 | \$25,037,719 |
| PE Strategic Partnership, LP | \$300,538,014 | \$6,950,000 | \$0 | \$6,950,000 | \$17,430,044 | \$324,918,058 |
| Pine River Fund, Ltd | \$282,451 | \$0 | \$0 | \$0 | \$119 | \$282,570 |
| Praedium X MidInc | \$2,910,592 | \$824,072 | -\$42,577 | \$781,495 | -\$131,664 | \$3,560,423 |
| Real Assets Coinvest I | \$1,199,996 | \$0 | \$0 | \$0 | -\$1,154,996 | \$45,000 |
| Redwheel Emerging Markets Equity | \$28,918,258 | \$0 | \$0 | \$0 | -\$207,564 | \$28,710,694 |
| Rockpoint Real Estate Fund VI, L.P. | \$5,636,374 | \$0 | \$0 | \$0 | -\$117,620 | \$5,518,754 |
| Russell Investments Overlay | \$8,396,658 | \$0 | \$0 | \$0 | -\$726,404 | \$7,670,254 |
| Soma Capital Fund III LP | \$2,169,009 | \$250,000 | \$0 | \$250,000 | -\$31,109 | \$2,387,900 |
| State Street Terminated Managers | \$7,189 | \$0 | -\$1 | -\$1 | \$30 | \$7,218 |
| SVP Special Situations V | \$3,977,858 | \$0 | -\$2,688 | -\$2,688 | \$174,193 | \$4,149,363 |
| TA Realty Core Property Fund | \$55,165,053 | \$0 | -\$547,885 | -\$547,885 | -\$376,592 | \$54,240,576 |
| Tembo Cap Mining III | \$2,327,730 | \$167,817 | \$0 | \$167,817 | \$138,498 | \$2,634,045 |
| TI Platform SJFED LP | \$7,128,419 | \$700,000 | \$0 | \$700,000 | -\$313,145 | \$7,515,274 |
| Torchlight Debt Fund VII | \$3,203,547 | \$0 | \$0 | \$0 | \$17,123 | \$3,220,670 |
| Torchlight Debt Opportunity VI | \$21,994,897 | \$0 | \$0 | \$0 | \$184,137 | \$22,179,034 |
| Tristan - EPISO IV | \$12,747,132 | \$0 | -\$92,813 | -\$92,813 | \$117,246 | \$12,771,566 |
| Tristan - EPISO V | \$10,197,709 | \$271,075 | \$0 | \$271,075 | \$120,300 | \$10,589,083 |
| Unifi India | \$0 | \$10,000,000 | \$0 | \$10,000,000 | \$1,307,100 | \$11,307,100 |
| Voya Securitized Credit | \$40,577,771 | \$0 | \$0 | \$0 | \$90,697 | \$40,668,468 |
| Wellington Emerging Markets Systematic Equity | \$39,257,214 | \$0 | \$0 | \$0 | \$716,419 | \$39,973,633 |
| Wellington Iguazu Partners LP Fund | \$71,144,239 | \$0 | -\$10,000,611 | -\$10,000,611 | -\$2,840,355 | \$58,303,273 |
| White Oak Direct Lending | \$37,326,916 | \$0 | -\$2,594,969 | -\$2,594,969 | -\$2,323,504 | \$32,408,443 |
| Total | \$2,842,368,357 | \$285,228,117 | -\$337,502,573 | -\$52,274,456 | \$89,364,758 | \$2,879,458,659 |



Total Fund | As of June 30, 2023





Total Effect

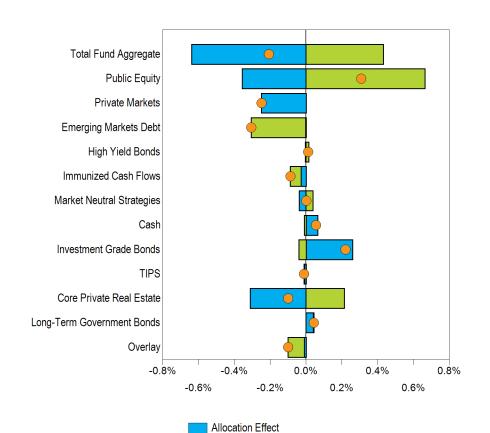
| | At | Attribution Summary | | | | | | | | |
|-------------------------------|--------------------------|-------------------------|------------------|---------------------|----------------------|------------------|--|--|--|--|
| | 3 Mont | hs Ending | June 30, 2 | 2023 | | | | | | |
| | Wtd. Actual Return | Wtd. Index Return | Excess Return | Selection Effect | Allocation Effect | Total Effects | | | | |
| Public Equity | 5.9% | 5.3% | 0.7% | 0.3% | -0.1% | 0.2% | | | | |
| Private Markets | 2.9% | 2.9% | 0.0% | 0.0% | 0.0% | 0.0% | | | | |
| Emerging Markets Debt | -2.5% | 2.3% | -4.9% | -0.1% | 0.0% | -0.1% | | | | |
| High Yield Bonds | 1.4% | 1.7% | -0.3% | 0.0% | 0.0% | 0.0% | | | | |
| Immunized Cash Flows | -0.5% | -0.4% | -0.1% | 0.0% | -0.1% | -0.1% | | | | |
| Market Neutral Strategies | 3.4% | 1.6% | 1.8% | 0.1% | 0.0% | 0.1% | | | | |
| Cash | 0.7% | 1.2% | -0.5% | 0.0% | 0.0% | 0.0% | | | | |
| Investment Grade Bonds | -0.4% | -0.7% | 0.3% | 0.0% | 0.1% | 0.2% | | | | |
| TIPS | -0.7% | -0.7% | 0.0% | 0.0% | 0.0% | 0.0% | | | | |
| Core Private Real Estate | -3.1% | -3.4% | 0.3% | 0.0% | -0.1% | 0.0% | | | | |
| Long-Term Government Bonds | -2.3% | -2.3% | 0.0% | 0.0% | 0.0% | 0.0% | | | | |
| Overlay | -8.6% | 1.2% | -9.8% | 0.0% | 0.0% | 0.0% | | | | |
| Total | 3.2% | 3.0% | 0.1% | 0.2% | -0.1% | 0.1% | | | | |

Difference in attribution returns and returns in the performance summary may occur as a result of the different calculation methodologies that are applied by InvestorForce.



Total Fund | As of June 30, 2023





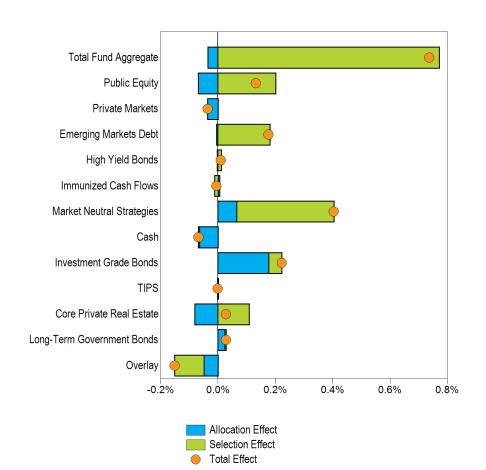
Selection Effect Total Effect

| | A | ttribution | Summary | | | |
|-------------------------------|--------------------------|-------------------------|------------------|---------------------|----------------------|------------------|
| | 1 Yea | r Ending J | June 30, 2 | 023 | | |
| | Wtd. Actual Return | Wtd. Index Return | Excess Return | Selection Effect | Allocation Effect | Total Effects |
| Public Equity | 15.9% | 14.5% | 1.5% | 0.7% | -0.4% | 0.3% |
| Private Markets | 1.3% | 1.3% | 0.0% | 0.0% | -0.2% | -0.2% |
| Emerging Markets Debt | -0.4% | 9.4% | -9.8% | -0.3% | 0.0% | -0.3% |
| High Yield Bonds | 9.8% | 9.1% | 0.7% | 0.0% | 0.0% | 0.0% |
| Immunized Cash Flows | -0.2% | 0.5% | -0.7% | -0.1% | 0.0% | -0.1% |
| Market Neutral Strategies | 6.7% | 5.4% | 1.3% | 0.0% | 0.0% | 0.0% |
| Cash | 3.0% | 3.6% | -0.6% | 0.0% | 0.1% | 0.1% |
| Investment Grade Bonds | -1.5% | -0.6% | -0.8% | 0.0% | 0.3% | 0.2% |
| TIPS | 0.0% | 0.1% | -0.1% | 0.0% | 0.0% | 0.0% |
| Core Private Real Estate | -0.2% | -3.9% | 3.7% | 0.2% | -0.3% | -0.1% |
| Long-Term Government Bonds | -6.7% | -6.8% | 0.1% | 0.0% | 0.0% | 0.0% |
| Overlay | -28.4% | 3.6% | -32.0% | -0.1% | 0.0% | -0.1% |
| Total | 7.6% | 7.8% | -0.2% | 0.4% | -0.6% | -0.2% |



Total Fund | As of June 30, 2023

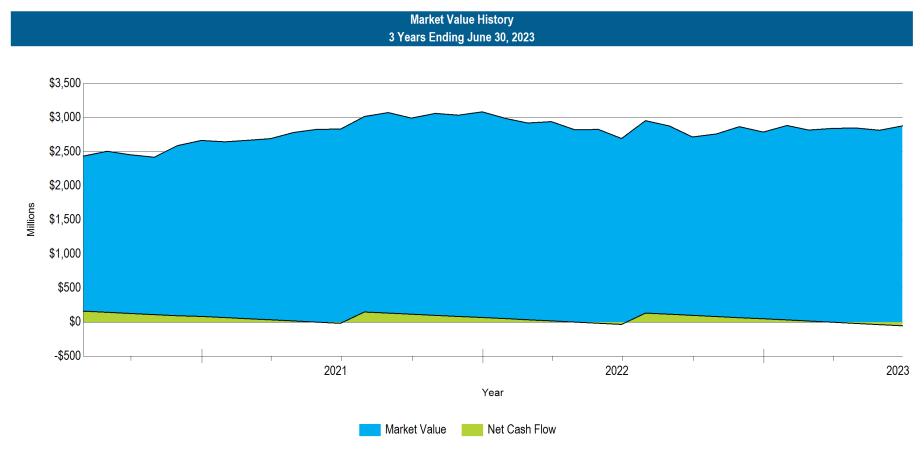




| Attribution Summary 3 Years Ending June 30, 2023 | | | | | | | | |
|---|--------------------------|-------------------------|------------------|---------------------|----------------------|------------------|--|--|
| | Wtd. Actual Return | Wtd. Index Return | Excess Return | Selection Effect | Allocation Effect | Total Effects | | |
| Public Equity | 10.6% | 10.2% | 0.4% | 0.2% | -0.1% | 0.1% | | |
| Private Markets | 20.3% | 20.3% | 0.0% | 0.0% | 0.0% | 0.0% | | |
| Emerging Markets Debt | 3.4% | -2.2% | 5.7% | 0.2% | 0.0% | 0.2% | | |
| High Yield Bonds | 3.6% | 3.1% | 0.5% | 0.0% | 0.0% | 0.0% | | |
| Immunized Cash Flows | -0.8% | -0.9% | 0.1% | 0.0% | 0.0% | 0.0% | | |
| Market Neutral Strategies | 15.1% | 2.1% | 13.0% | 0.3% | 0.1% | 0.4% | | |
| Cash | 1.1% | 1.3% | -0.2% | 0.0% | -0.1% | -0.1% | | |
| Investment Grade Bonds | -2.7% | -3.1% | 0.4% | 0.0% | 0.2% | 0.2% | | |
| TIPS | 2.4% | 2.3% | 0.0% | 0.0% | 0.0% | 0.0% | | |
| Core Private Real Estate | 10.1% | 8.1% | 2.0% | 0.1% | -0.1% | 0.0% | | |
| Long-Term Government Bonds | -12.0% | -12.1% | 0.1% | 0.0% | 0.0% | 0.0% | | |
| Overlay | -27.1% | 1.3% | -28.4% | -0.1% | 0.0% | -0.2% | | |
| Total | 10.1% | 9.4% | 0.7% | 0.8% | 0.0% | 0.7% | | |



Total Fund | As of June 30, 2023

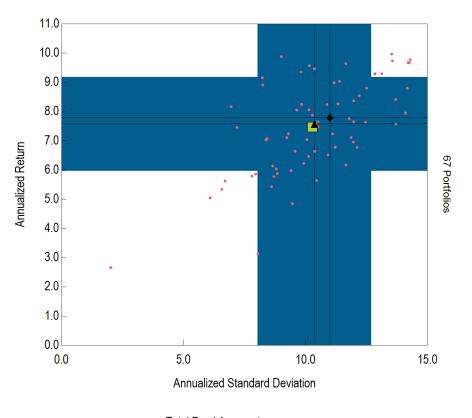


| | Second Quarter | Fiscal Year-To-Date | One Year | Three Years |
|------------------------|-----------------|---------------------|-----------------|-----------------|
| Beginning Market Value | \$2,842,368,357 | \$2,694,268,662 | \$2,694,268,662 | \$2,183,349,144 |
| Net Cash Flow | -\$52,274,456 | -\$19,755,852 | -\$19,755,852 | -\$54,445,250 |
| Net Investment Change | \$89,364,758 | \$204,945,849 | \$204,945,849 | \$750,554,765 |
| Ending Market Value | \$2,879,458,659 | \$2,879,458,659 | \$2,879,458,659 | \$2,879,458,659 |



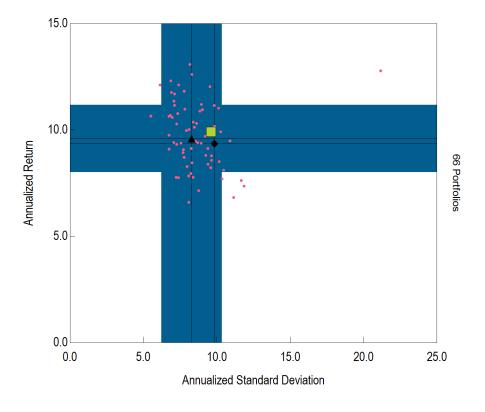
Total Fund | As of June 30, 2023





- Total Fund Aggregate
- Policy Benchmark
- ▲ Universe Median
- 68% Confidence Interval
- InvMetrics Public DB > \$1B Net

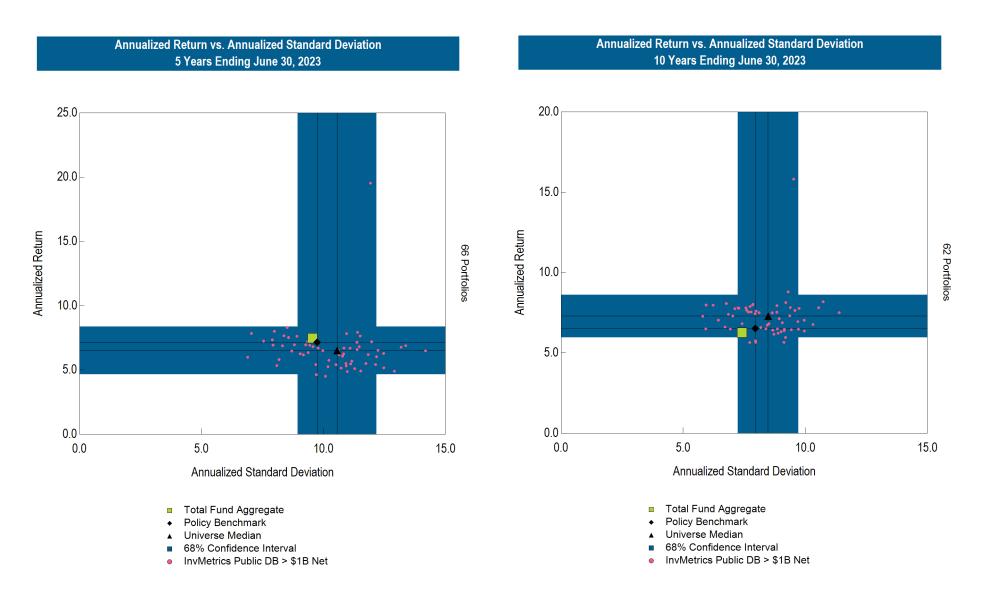
Annualized Return vs. Annualized Standard Deviation 3 Years Ending June 30, 2023



- Total Fund Aggregate
- Policy Benchmark
- ▲ Universe Median
- 68% Confidence Interval
- InvMetrics Public DB > \$1B Net

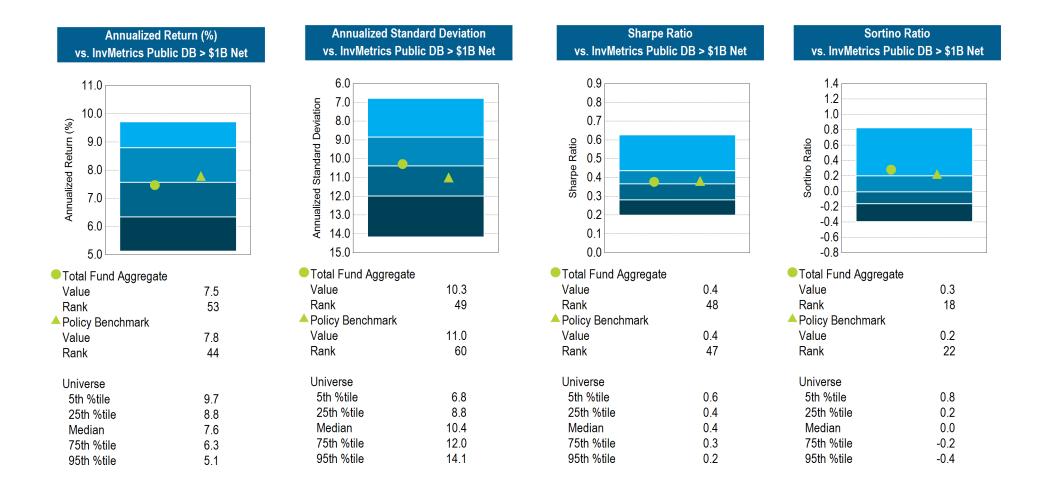


Total Fund | As of June 30, 2023



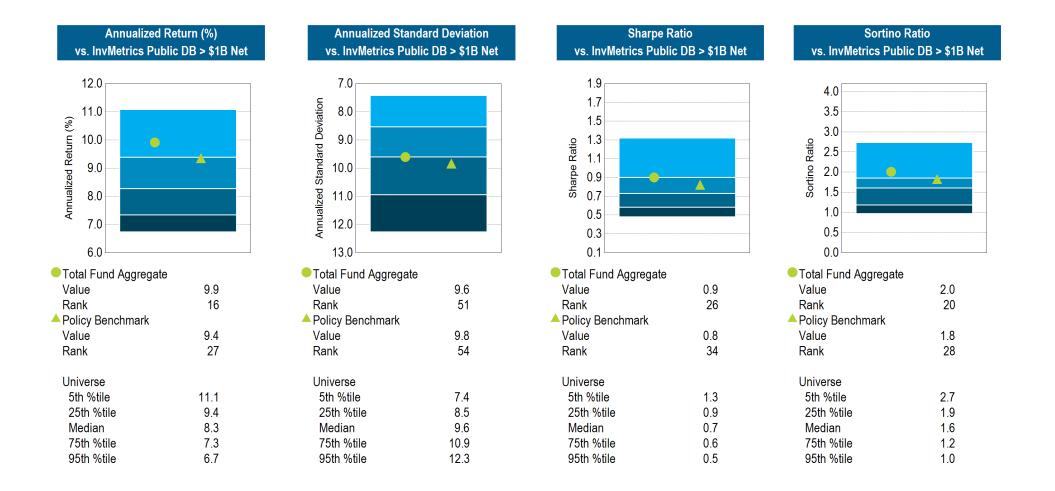


Total Fund | One Year As of June 30, 2023



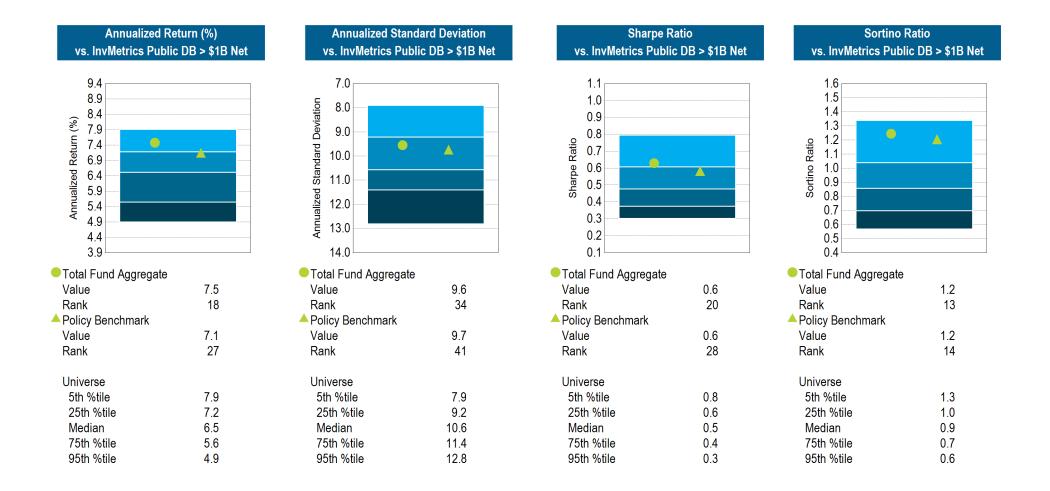


Total Fund | Three Years As of June 30, 2023



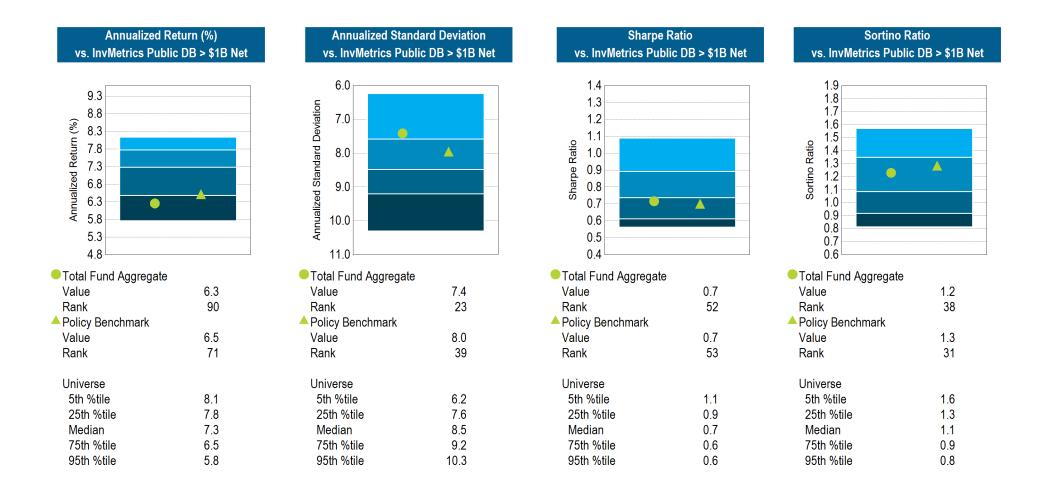


Total Fund | Five Years As of June 30, 2023



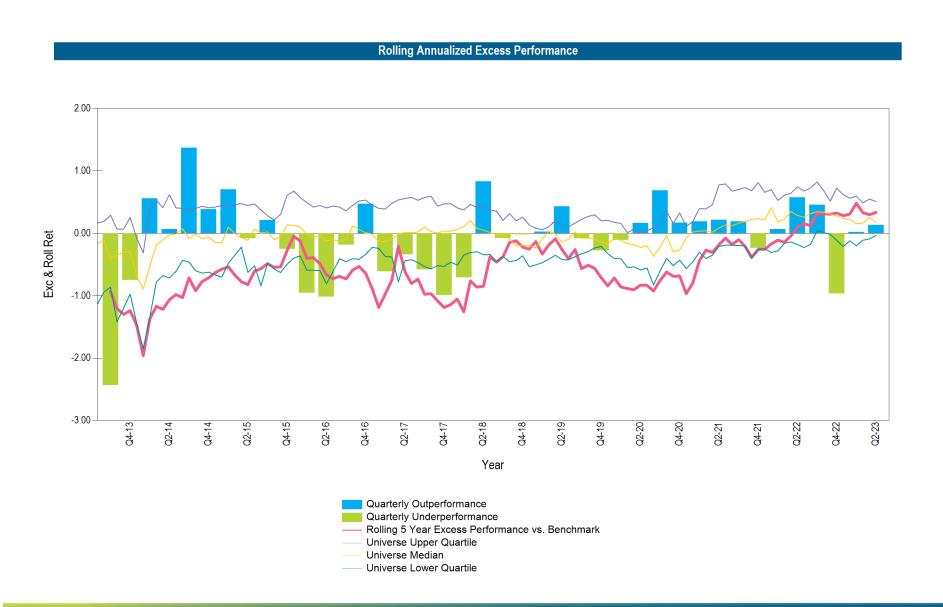


Total Fund | Ten Years As of June 30, 2023



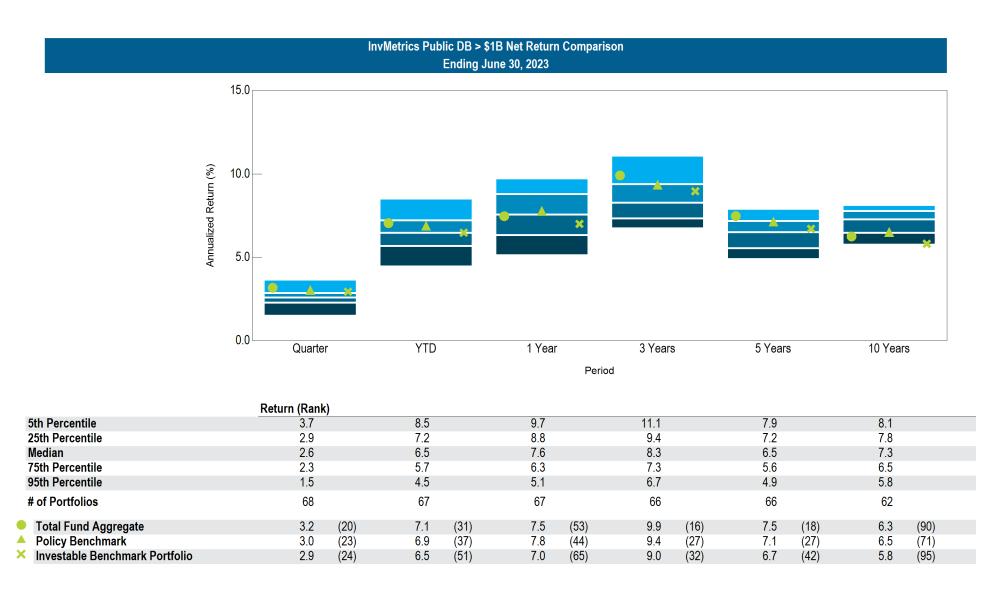


Total Fund | As of June 30, 2023



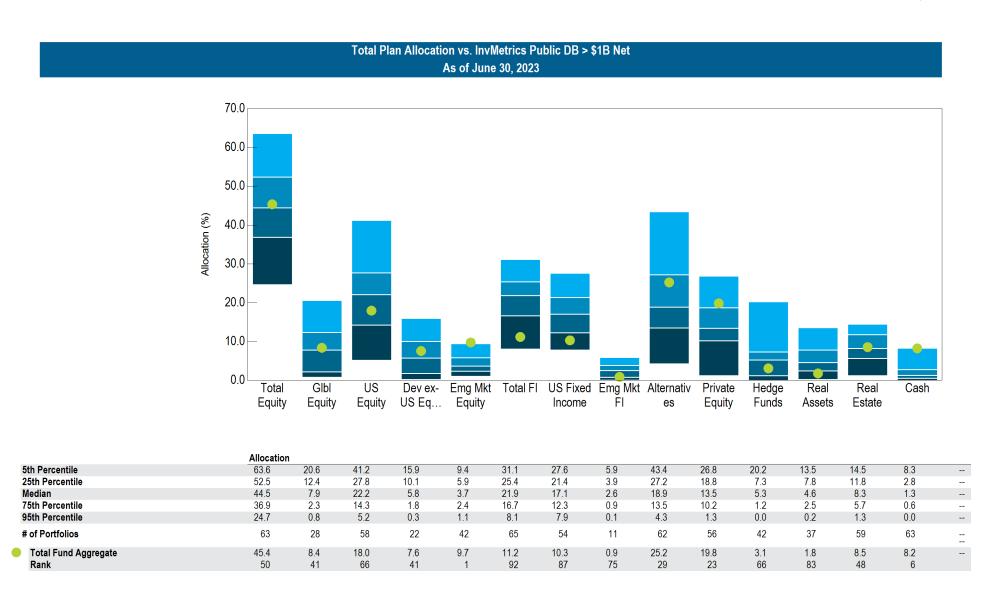


Total Fund | As of June 30, 2023





Total Fund | As of June 30, 2023



Alternatives group includes Private Equity, Hedge Funds, and Real Assets. Private Equity group includes Private Debt and Venture Capital.



Total Fund | As of June 30, 2023

| | Major Benchmark R | eturns | | | |
|------------------------------------|-----------------------|---------|-------|-------|--------|
| | Periods Ending June 3 | 0, 2023 | | | |
| Name | Q2-23 | 1 Yr | 3 Yrs | 5 Yrs | 10 Yrs |
| US Equity | | | | | |
| Russell 3000 | 8.4 | 19.0 | 13.9 | 11.4 | 12.3 |
| S&P 500 | 8.7 | 19.6 | 14.6 | 12.3 | 12.9 |
| Russell 1000 | 8.6 | 19.4 | 14.1 | 11.9 | 12.6 |
| Russell 1000 Growth | 12.8 | 27.1 | 13.7 | 15.1 | 15.7 |
| Russell 1000 Value | 4.1 | 11.5 | 14.3 | 8.1 | 9.2 |
| Russell MidCap | 4.8 | 14.9 | 12.5 | 8.5 | 10.3 |
| Russell 2000 | 5.2 | 12.3 | 10.8 | 4.2 | 8.3 |
| Russell 2000 Growth | 7.1 | 18.5 | 6.1 | 4.2 | 8.8 |
| Russell 2000 Value | 3.2 | 6.0 | 15.4 | 3.5 | 7.3 |
| International Equity | | | | | |
| MSCI ACWI | 6.2 | 16.5 | 11.0 | 8.1 | 8.8 |
| MSCI World ex USA | 3.0 | 17.4 | 9.3 | 4.6 | 5.4 |
| MSCI EAFE | 3.0 | 18.8 | 8.9 | 4.4 | 5.4 |
| MSCI Emerging Markets | 0.9 | 1.7 | 2.3 | 0.9 | 3.0 |
| Fixed Income | | | | | |
| 91 Day T-Bills | 1.2 | 3.6 | 1.3 | 1.5 | 0.9 |
| Bloomberg US Aggregate TR | -0.8 | -0.9 | -4.0 | 0.8 | 1.5 |
| Bloomberg US Govt/Credit TR | -0.9 | -0.7 | -4.1 | 1.0 | 1.7 |
| Bloomberg US Municipal TR | -0.1 | 3.2 | -0.6 | 1.8 | 2.7 |
| Bloomberg US High Yield TR | 1.7 | 9.1 | 3.1 | 3.4 | 4.4 |
| FTSE WGBI TR | -1.8 | -2.5 | -6.5 | -2.0 | -0.5 |
| FTSE WGBI ex US TR | -2.1 | -2.6 | -7.8 | -3.7 | -1.4 |
| Real Estate | | | | | |
| FTSE NAREIT All REIT | 1.6 | -4.3 | 6.2 | 4.3 | 6.6 |
| NCREIF Property Index | -2.0 | -6.6 | 6.8 | 5.9 | 7.8 |
| Alternatives | | | | | |
| HFRI Fund of Funds Composite Index | 1.5 | 3.7 | 5.0 | 3.3 | 3.4 |
| Inflation | | | | | |
| Consumer Price Index | 1.1 | 3.0 | 5.8 | 3.9 | 2.7 |



Total Fund | As of June 30, 2023

| | | | | S | Statistics Sur | nmary | | | | | | |
|---|------------------|-----------------|-------------------------|--------------------------------|--|------------------|--------------------------|-------------------|----------------------|---------------------------|-------|-----------------|
| | | | | 3 Yea | ars Ending Jui | ne 30, 2023 | | | | | | |
| | % of Total MV | Anlzd Return | Anlzd Return Rank | Anlzd Standard Deviation | Anlzd Standard Deviation Rank | Anlzd Alpha J | Anlzd Alpha J Rank | Tracking Error | Information Ratio | Information Ratio Rank | Beta | Sharpe Ratio |
| Total Fund Aggregate | 100.00% | 9.91% | 16 | 9.61% | 51 | 0.77% | 55 | 0.75% | 0.74 | 11 | 0.97 | 0.90 |
| Policy Benchmark | | 9.35% | 27 | 9.84% | 54 | 0.00% | 85 | 0.00% | | | 1.00 | 0.82 |
| Growth | 75.52% | 12.85% | | 12.53% | | 0.48% | | 0.81% | 0.48 | | 0.99 | 0.93 |
| Growth Benchmark | | 12.47% | | 12.60% | | 0.00% | | 0.00% | | | 1.00 | 0.89 |
| Public Equity | 46.83% | 10.59% | 42 | 17.31% | 86 | 0.17% | 48 | 1.16% | 0.30 | 18 | 1.02 | 0.54 |
| Public Equity Benchmark | | 10.23% | 67 | 16.93% | 82 | 0.00% | 57 | 0.00% | | | 1.00 | 0.53 |
| Global Equity | 8.38% | 10.88% | 47 | 17.88% | 44 | -0.21% | 52 | 3.25% | -0.02 | 48 | 1.01 | 0.54 |
| MSCI ACWI IMI Index | | 10.97% | 46 | 17.36% | 34 | 0.00% | 49 | 0.00% | | | 1.00 | 0.56 |
| US Equity | 19.03% | 14.31% | 41 | 18.45% | 38 | 0.77% | 50 | 0.73% | 1.01 | 2 | 1.00 | 0.71 |
| MSCI USA IMI NR USD | | 13.57% | 50 | 18.49% | 39 | 0.00% | 58 | 0.00% | | | 1.00 | 0.67 |
| International Equity | 9.29% | 7.39% | 54 | 19.17% | 69 | -1.83% | 61 | 3.03% | -0.49 | 76 | 1.05 | 0.32 |
| MSCI World ex USA IMI NR USD | | 8.87% | 36 | 18.10% | 43 | 0.00% | 44 | 0.00% | | | 1.00 | 0.42 |
| Emerging Markets Equity | 10.13% | 6.33% | 37 | 17.08% | 28 | 2.81% | 36 | 2.65% | 1.03 | 16 | 0.96 | 0.30 |
| MSCI Emerging Markets IMI Net | | 3.60% | 54 | 17.52% | 35 | 0.00% | 54 | 0.00% | | | 1.00 | 0.13 |
| Private Markets | 23.74% | 20.28% | | 8.12% | | 0.00% | | 0.00% | | | 1.00 | 2.34 |
| Private Markets Benchmark | | 20.28% | | 8.12% | | 0.00% | | 0.00% | | | 1.00 | 2.34 |
| Private Equity | 12.48% | 26.34% | 19 | 14.47% | 68 | 27.98% | 1 | 22.50% | 0.07 | 50 | -0.12 | 1.73 |
| San Jose Custom Private Equity Benchmark | | 24.86% | 44 | 15.44% | 72 | 0.00% | 99 | 0.00% | | | 1.00 | 1.53 |
| Private Debt | 4.23% | 17.62% | 1 | 8.36% | 99 | 15.20% | 1 | 8.99% | 1.02 | 39 | 0.16 | 1.96 |
| S&P Global Leveraged Loan Index +2% | _ | 8.43% | 2 | 4.02% | 11 | 0.00% | 91 | 0.00% | | | 1.00 | 1.78 |



Total Fund | As of June 30, 2023

| | % of Total MV | Anlzd Return | Anlzd Return Rank | Anlzd Standard Deviation | Anlzd Standard Deviation Rank | Anizd Alpha J | Anlzd Alpha J Rank | Tracking Error | Information Ratio | Information Ratio Rank | Beta | Sharpe Ratio |
|---|------------------|-----------------|-------------------------|--------------------------------|--|------------------|--------------------------|-------------------|----------------------|---------------------------|-------|-----------------|
| Growth Real Estate | 4.10% | 13.17% | 1 | 7.25% | 23 | 12.80% | 1 | 10.56% | 0.60 | 1 | -0.16 | 1.64 |
| NCREIF Property Index | | 6.80% | 64 | 6.67% | 20 | 0.00% | 38 | 0.00% | | | 1.00 | 0.83 |
| Emerging Markets Debt | 2.89% | 3.43% | 5 | 6.72% | 7 | 3.48% | 13 | 8.45% | 0.67 | 29 | 0.37 | 0.32 |
| 50% JPM EMBI GD / 50% JPM GBI-EM | | -2.24% | 79 | 10.25% | 49 | 0.00% | 74 | 0.00% | | | 1.00 | -0.34 |
| High Yield Bonds | 2.05% | 3.65% | 33 | 8.65% | 89 | 0.47% | 42 | 0.80% | 0.64 | 15 | 1.02 | 0.28 |
| Bloomberg US Corporate High Yield TR | | 3.13% | 51 | 8.41% | 77 | 0.00% | 58 | 0.00% | | | 1.00 | 0.22 |
| Low Beta | 10.51% | 4.40% | | 1.91% | | 3.08% | | 2.36% | 1.73 | | -0.06 | 1.65 |
| Low Beta Benchmark | | 0.31% | | 1.31% | | 0.00% | | 0.00% | | | 1.00 | -0.72 |
| Immunized Cash Flows | 5.64% | -0.76% | 99 | 2.01% | 99 | 0.13% | 74 | 0.64% | 0.20 | 99 | 1.00 | -1.01 |
| Bloomberg US Govt/Credit 1-3 Yr. TR | | -0.88% | 99 | 1.91% | 99 | 0.00% | 89 | 0.00% | | | 1.00 | -1.13 |
| Market Neutral Strategies | 3.07% | 15.10% | | 6.30% | | 15.35% | | 6.47% | 2.01 | | -1.75 | 2.20 |
| Market Neutral Strategies Benchmark | | 2.12% | | 0.71% | | 0.00% | | 0.00% | | | 1.00 | 1.21 |
| Relative Value | 3.07% | 15.59% | | 6.31% | | 15.07% | | 7.35% | 1.32 | | -0.16 | 2.27 |
| HFRI Relative Value (Total) Index | | 5.89% | | 3.28% | | 0.00% | | 0.00% | | | 1.00 | 1.41 |
| Cash | 1.80% | 1.07% | | 0.47% | | -0.20% | | 0.31% | -0.65 | | 0.72 | -0.41 |
| ICE BofA 91 Days T-Bills TR | | 1.27% | | 0.53% | | 0.00% | | 0.00% | | | 1.00 | 0.03 |
| Other | 13.70% | 0.07% | | 3.31% | | 0.01% | | 1.23% | 0.20 | | 0.83 | -0.36 |
| Other Benchmark | | -0.18% | | 3.77% | | 0.00% | | 0.00% | | | 1.00 | -0.38 |
| Investment Grade Bonds | 4.30% | -2.70% | 9 | 5.17% | 8 | 0.49% | 51 | 1.11% | 0.40 | 8 | 1.01 | -0.77 |
| Custom IG Bonds Benchmark | | -3.14% | 23 | 5.00% | 7 | 0.00% | 86 | 0.00% | | | 1.00 | -0.88 |
| TIPS | 1.98% | 2.38% | | 3.14% | | 0.08% | | 0.46% | 0.09 | | 0.97 | 0.36 |



Total Fund | As of June 30, 2023

| | % of Total MV | Anlzd Return | Anlzd Return Rank | Anlzd Standard Deviation | Anlzd Standard Deviation Rank | Anizd Alpha J | Anlzd Alpha J Rank | Tracking Error | Information Ratio | Information Ratio Rank | Beta | Sharpe Ratio |
|-------------------------------|------------------|-----------------|-------------------------|--------------------------------|--|------------------|--------------------------|-------------------|----------------------|---------------------------|------|-----------------|
| BBg U.S. TIPS 0-5 Years | | 2.34% | | 3.22% | | 0.00% | | 0.00% | | | 1.00 | 0.34 |
| Core Private Real Estate | 5.46% | 10.14% | | 9.30% | | 1.59% | | 2.10% | 0.97 | | 1.07 | 0.95 |
| Core Real Estate Benchmark | | 8.09% | | 8.51% | | 0.00% | | 0.00% | | | 1.00 | 0.80 |
| Long-Term Government Bonds | 1.96% | -11.97% | | 13.61% | | 0.09% | | 1.69% | 0.07 | | 1.00 | -0.97 |
| Bloomberg US Treasury Long TR | | -12.09% | | 13.53% | | 0.00% | | 0.00% | | | 1.00 | -0.99 |
| Overlay | 0.27% | -27.14% | | 38.74% | | -28.40% | | 38.70% | -0.73 | | 6.37 | -0.73 |
| 91 Day T-Bills | | 1.26% | | 0.53% | | 0.00% | | 0.00% | | | 1.00 | 0.00 |



Total Fund | As of June 30, 2023

| | | Benchmark History |
|----------------|------------|--|
| Total Fund Ago | gregate | |
| 3/1/2022 | Present | 25% MSCI USA IMI NR USD / 12% MSCI World ex USA IMI NR USD / 12% MSCI Emerging Markets IMI NR USD / 21% Private Markets Benchmark / 5% NCREIF-ODCE NR USD / 3% 50% JPM EMBI GD / 50% JPM GBI-EM / 2% Bloomberg US Corporate High Yield TR / 3% SOFR +1.5% / 5% Immunized Cash Flow Benchmark / 2% Bloomberg US Treasury TIPS 0-5 Yr TR / 8% Custom IG Bonds Benchmark / 2% Bloomberg US Treasury Long TR |
| 6/1/2021 | 2/28/2022 | 25% MSCI USA IMI NR USD / 12% MSCI World ex USA IMI NR USD / 12% MSCI Emerging Markets IMI NR USD / 21% Private Markets Benchmark / 5% NCREIF-ODCE NR USD / 3% 50% JPM EMBI GD / 50% JPM GBI-EM / 2% Bloomberg US Corporate High Yield TR / 3% LIBOR 3-Month +1.5% / 5% Immunized Cash Flow Benchmark / 2% Bloomberg US Treasury TIPS 0-5 Yr TR / 8% Custom IG Bonds Benchmark / 2% Bloomberg US Treasury Long TR |
| 4/1/2020 | 5/31/2021 | 25% MSCI USA IMI NR USD / 12% MSCI World ex USA IMI NR USD / 12% MSCI Emerging Market IMI Net / 21% Private Markets Benchmark / 3% 50% JPM EMBI GD / 50% JPM GBI-EM / 2% Bloomberg US Corporate High Yield TR / 5% Immunized Cash Flows Benchmark / 3% Market Neutral Strategies Benchmark / 5% NCREIF-ODCE / 2% Bloomberg US Govt Long TR / 2% Bloomberg US Treasury TIPS 0-5 Yr TR / 8% Custom IG Bonds Benchmark |
| 12/1/2019 | 3/31/2020 | 13% MSCI USA IMI NR USD / 10% MSCI World ex USA IMI NR USD / 12% MSCI Emerging Market IMI Net / 23% Private Markets Benchmark / 3% 50% JPM EMBI GD / 50% JPM GBI-EM / 15% ICE BofA 91 Days T-Bills TR / 5% Immunized Cash Flows Benchmark / 7% Market Neutral Strategies Benchmark / 5% NCREIF-ODCE / 2% Bloomberg Commodity Index TR USD / 2% Bloomberg US Treasury TIPS 0-5 Yr TR / 3% BBgBarc Global Aggregate TR |
| 11/1/2019 | 11/30/2019 | 13% MSCI USA IMI NR USD / 10% MSCI World ex USA IMI NR USD / 12% MSCI Emerging Market IMI Net / 23% Private Markets Benchmark / 3% 50% JPM EMBI GD / 50% JPM GBI-EM / 18% ICE BofA 91 Days T-Bills TR / 5% Immunized Cash Flows Benchmark / 7% Market Neutral Strategies Benchmark / 5% NCREIF-ODCE / 2% Bloomberg Commodity Index TR USD / 2% Bloomberg US Treasury TIPS 0-5 Yr TR |
| 10/1/2019 | 10/31/2019 | 13% MSCI USA IMI NR USD / 7% MSCI World ex USA IMI NR USD / 10% MSCI Emerging Market IMI Net / 25% Private Markets Benchmark / 5% 50% JPM EMBI GD / 50% JPM GBI-EM / 18% ICE BofA 91 Days T-Bills TR / 5% Immunized Cash Flows Benchmark / 7% Market Neutral Strategies Benchmark / 5% NCREIF-ODCE / 3% Bloomberg Commodity Index TR USD / 2% Bloomberg US Treasury TIPS 0-5 Yr TR |
| 10/1/2018 | 9/30/2019 | 13% MSCI USA IMI NR USD / 7% MSCI World ex USA IMI NR USD / 10% MSCI Emerging Market IMI Net / 25% Private Markets Benchmark / 3% 50% JPM EMBI GD / 50% JPM GBI-EM / 20% ICE BofA 91 Days T-Bills TR / 5% Immunized Cash Flows Benchmark / 7% Market Neutral Strategies Benchmark / 5% NCREIF-ODCE / 3% Bloomberg Commodity Index TR USD / 2% Bloomberg US Treasury TIPS 0-5 Yr TR |
| 11/1/2017 | 9/30/2018 | 28% MSCI ACWI IMI Net USD / 9% Cambridge PE Composite BM / 33% Fixed Income Custom Benchmark / 6% S&P Global Leveraged Loan Index +2% / 8% NCREIF Property Index / 4% Bloomberg Commodity Index TR USD / 1% DJ Brookfield Global Infrastructure Net TR USD / 11% HFRI Macro (Total) Index |
| 7/1/2015 | 10/31/2017 | 28% MSCI ACWI IMI Net USD / 9% Cambridge Associates Private Equity Composite / 19% Fixed Income Custom Benchmark / 5% S&P Global Leveraged Loan Index +2% / 7% NCREIF Property Index / 6% Bloomberg Commodity Index TR USD / 5% DJ Brookfield Global Infrastructure Net TR USD / 5% S&P Global LargeMidCap Commodity and Resources GR USD / 11% HFRI Macro (Total) Index / 5% 60/40 MSCI ACWI IMI/BC Global |



Total Fund | As of June 30, 2023

| Low Cost Passiv | e Benchmark | |
|-----------------|-------------|---|
| 6/1/2021 | Present | 25% MSCI USA IMI NR USD / 12% MSCI World ex USA IMI NR USD / 12% MSCI Emerging Markets IMI NR USD / 12% Russell 3000 / 3% BBgBarc US Aggregate TR / 3% S&P Global Natural Resources / 3% 50% JPM EMBI GD / 50% JPM GBI-EM / 2% BBgBarc US Corporate High Yield TR / 8% FTSE EPRA/NAREIT Global NR USD / 2% BBgBarc US Treasury Long TR / 5% BBgBarc Gov/Credit 1-3 Yr / 3% LIBOR 3-Month / 2% BBgBarc US Treasury TIPS 0-5 Yr TR / 8% Custom IG Bonds Benchmark |
| 4/1/2020 | 5/31/2021 | 25% MSCI USA IMI NR USD / 12% MSCI World ex USA IMI NR USD / 12% MSCI Emerging Market IMI Net / 10% Russell 3000 / 11% BBgBarc US Aggregate TR / 2% BBgBarc US Corporate High Yield TR 8% / 3% FTSE EPRA/NAREIT Global NR USD / 2% BBgBarc US Govt Long TR / 5% ICE BofAML 91 Days T-Bills TR / 3% 3-Month Libor +1% / 2% BBgBarc US Treasury TIPS 0-5 Yr TR |
| 12/1/2019 | 3/31/2020 | 13% MSCI USA IMI NR USD / 10% MSCI World ex USA IMI NR USD / 12% MSCI Emerging Market IMI Net / 13% Russell 3000 / 7% BBgBarc US Aggregate TR / 8% FTSE EPRA/NAREIT Global NR USD / 3% S&P Global Natural Resources Net USD / 5% 50% JPM EMBI GD / 50% JPM GBI-EM / 5% ICE BofAML 91 Days T-Bills TR / 7% 3-Month Libor +1% / 2% BBgBarc US Treasury TIPS 0-5 Yr TR / 2% Bloomberg Commodity Index TR USD / 15% BBgBarc US Govt/Credit 1-3 Yr. TR |
| 11/1/2019 | 11/30/2019 | 13% MSCI USA IMI NR USD / 10% MSCI World ex USA IMI NR USD / 12% MSCI Emerging Market IMI Net / 13% Russell 3000 / 7% BBgBarc US Aggregate TR / 8% FTSE EPRA/NAREIT Global NR USD / 3% S&P Global Natural Resources Net USD / 5% 50% JPM EMBI GD / 50% JPM GBI-EM / 5% ICE BofAML 91 Days T-Bills TR / 7% 3-Month Libor +1% / 2% BBgBarc US Treasury TIPS 0-5 Yr TR / 2% Bloomberg Commodity Index TR USD / 18% BBgBarc US Govt/Credit 1-3 Yr. TR |
| 10/1/2019 | 10/31/2019 | 13% MSCI USA IMI NR USD / 7% MSCI World ex USA IMI NR USD / 10% MSCI Emerging Market IMI Net / 15% Russell 3000 / 4% BBgBarc US Aggregate TR / 8% FTSE EPRA/NAREIT Global NR USD / 3% S&P Global Natural Resources Net USD / 5% 50% JPM EMBI GD / 50% JPM GBI-EM / 5% ICE BofAML 91 Days T-Bills TR / 7% 3-Month Libor +1% / 2% BBgBarc US Treasury TIPS 0-5 Yr TR / 3% Bloomberg Commodity Index TR USD / 18% BBgBarc US Govt/Credit 1-3 Yr. TR |
| 10/1/2018 | 9/30/2019 | 13% MSCI USA IMI NR USD / 10% MSCI World ex USA IMI NR USD / 13% MSCI Emerging Market IMI Net / 12% Russell 3000 / 4% BBgBarc US Aggregate TR / 8% FTSE EPRA/NAREIT Global NR USD / 3% S&P Global Natural Resources Net USD / 3% 50% JPM EMBI GD / 50% JPM GBI-EM / 5% ICE BofAML 91 Days T-Bills TR / 5% 3-Month Libor +1% / 2% BBgBarc US Treasury TIPS 0-5 Yr TR / 2% Bloomberg Commodity Index TR USD / 3% FTSE WGBI ex US TR/17% BBgBarc US Govt/Credit 1-3 Yr. TR |



Total Fund | As of June 30, 2023

| Growth | | |
|--------------|-----------------|---|
| 6/1/2021 | Present | 65.33% Public Equity Benchmark / 28.0% Private Markets Benchmark / 4.0% 50% JPM EMBI GD / 50% JPM GBI-EM / 2.67% BBgBarc US Corporate High Yield TR |
| 4/1/2020 | 5/31/2021 | 65.33% Public Equity Benchmark / 28% Private Markets Benchmark / 6.67% 50% JPM EMBI GD / 50% JPM GBI-EM / 4.08% BBgBarc US Corporate High Yield TR |
| 11/1/2019 | 3/31/2020 | 57.38% Public Equity Benchmark / 37.7% Private Markets Benchmark / 4.92% 50% JPM EMBI GD / 50% JPM GBI-EM |
| 10/1/2019 | 10/31/2019 | 50% Public Equity Benchmark / 41.67% Private Markets Benchmark / 8.33% 50% JPM EMBI GD / 50% JPM GBI-EM |
| 10/1/2018 | 9/30/2019 | 51.73% Public Equity Benchmark / 43.1% Private Markets Benchmark / 5.17% 50% JPM EMBI GD / 50% JPM GBI-EM |
| 11/1/2017 | 9/30/2018 | 51.29% MSCI ACWI IMI Net USD / 16.48% Cambridge PE Composite BM / 10.99% S&P Global Leveraged Loan Index +2% / 7.33% NCREIF Property Index / 60.4% 50% JPM EMBI GD (US)/ 50% JPM GBIEM GD (Lcl) / 60.4% 50% BAML Global HY / 50% S&P Global Leveraged Loan / 1.83% DJ Brookfield Global Infrastructure Net TR USD |
| 7/1/2015 | 10/31/2017 | 47.23% MSCI ACWI IMI Net USD / 15.18% Cambridge PE Composite BM / 8.43% S&P Global Leveraged Loan Index +2% / 8.43% DJ Brookfield Global Infrastructure Net TR USD / 8.43% S&P Global Natural Resources Index TR USD / 5.9% NCREIF Property Index / 3.2% 50% JPM EMBI GD (US)/ 50% JPM GBIEM GD (Lcl) / 3.2% 50% BAML Global HY / 50% S&P Global Leveraged Loan |
| Public Equit | ty | |
| 6/1/2021 | Present | 51.02% MSCI USA IMI NR USD / 24.49% MSCI World ex USA IMI NR USD / 24.49% MSCI Emerging Market IMI NR USD |
| 4/1/2020 | 5/31/2021 | 51.02% MSCI USA IMI NR USD / 24.49% MSCI World ex USA IMI NR USD / 24.49% MSCI Emerging Market IMI Net |
| 11/1/2019 | 3/31/2020 | 37.14% MSCI USA IMI NR USD / 28.57% MSCI World ex USA IMI NR USD / 34.29% MSCI Emerging Market IMI Net |
| 10/1/2018 | 10/31/2019 | 43.33% MSCI USA IMI NR USD / 23.33% MSCI World ex USA IMI NR USD / 33.33% MSCI Emerging Market IMI Net |
| 5/1/2010 | 9/30/2018 | MSCI ACWI IMI Net USD |
| Global Eq | uity | |
| 7/1/2015 | Present | MSCI ACWI IMI NR USD |
| US Equity | <i>'</i> | |
| 7/1/2015 | Present | MSCI USA IMI NR USD |
| Internatio | onal Equity | |
| 7/1/2015 | Present | MSCI World ex USA IMI NR USD |
| Emerging | g Markets Equit | У |
| 7/1/2015 | Present | MSCI Emerging Markets IMI NR USD |



Total Fund | As of June 30, 2023

| Marketal | ole Alternative I | Equity |
|--------------|-------------------|---|
| 10/1/2014 | Present | HFRI Equity Hedge (Total) Index |
| Private Ma | rkets | |
| 7/1/2015 | Present | Private Markets |
| Private M | larkets ex Russ | sell 3000 |
| | | No Benchmark Selected |
| Private | Equity | |
| 1/1/2006 | Present | Custom Private Equity BM (100% Cambridge US PE) |
| Priva | ate Equity ex Ru | ussell 3000 |
| 7/1/2018 | 9/30/2021 | Cambridge Associates Global Private Equity Index |
| Nort | hern Trust Russ | sell 3000 |
| 6/1/2018 | Present | Russell 3000 |
| Private | e Debt | |
| 12/1/2010 | Present | S&P Global Leveraged Loan Index +2% |
| Growth | Real Estate | |
| 7/1/2015 | Present | NCREIF Property Index |
| Private | Real Assets | |
| | | No Benchmark Selected |
| Emerging N | Markets Debt | |
| 7/1/2015 | Present | 50% JP Morgan GBI EM Global Diversified TR USD / 50% JP Morgan EMBI Global Diversified |
| High Yield I | Bonds | |
| 6/1/2020 | Present | BBgBarc US Corporate High Yield TR |
| Low Beta | | |
| 4/1/2020 | Present | 62.5% Immunized Cash Flows Benchmark / 37.5% Market Neutral Strategies Benchmark |
| 12/1/2019 | 3/31/2020 | 55.56% ICE BofA 91 Days T-Bills TR / 25.93% Immunized Cash Flows Benchmark / 18.52% Market Neutral Strategies Benchmark |
| 10/1/2019 | 11/30/2019 | 60% ICE BofA 91 Days T-Bills TR / 23.33% Immunized Cash Flows Benchmark / 6.67% Market Neutral Strategies Benchmark |
| 10/1/2018 | 9/30/2019 | 62.5% ICE BofA 91 Days T-Bills TR / 15.62% Immunized Cash Flows Benchmark / 21.88% Market Neutral Strategies Benchmark |
| 7/1/2015 | 9/30/2018 | HFRI Macro (Total) Index |
| | | |



Total Fund | As of June 30, 2023

| Short-Term IG Bonds | | | | |
|---------------------------|------------|---|--|--|
| 10/1/2018 | Present | 91 Day T-Bills | | |
| Immunized Cash Flows | | | | |
| 10/1/2018 | Present | Immunized Cash Flows | | |
| Market Neutral Strategies | | | | |
| 3/1/2022 | Present | SOFR + 1.5% | | |
| 6/1/2021 | 2/28/2022 | LIBOR 3-Month +1.5% | | |
| 10/1/2018 | 5/31/2021 | 3-Month Libor Total Return USD | | |
| 11/1/2012 | 9/30/2018 | HFRI Macro (Total) Index | | |
| Macro | | | | |
| 10/1/2014 | Present | HFRI Macro (Total) Index | | |
| Relative Value | | | | |
| 10/1/2014 | Present | HFRI Relative Value (Total) Index | | |
| Cash | | | | |
| 1/1/2006 | Present | ICE BofA 91 Days T-Bills TR | | |
| Other | | | | |
| 6/1/2021 | Present | 29.41% NCREIF ODCE Value Weighted (Net) (1 Qtr Lag) / 47.06% Custom IG Bonds Benchmark / 11.76% BBgBarc US Treasury Long TR / 11.76% BBgBarc US Treasury TIPS 0-5 Yr TR | | |
| 4/1/2020 | 5/31/2021 | 29.41% NCREIF ODCE Equal Weighted / 47.06% Custom IG Bonds Benchmark / 11.76% BBgBarc US Govt Long TR / 11.76% BBgBarc US Treasury TIPS 0-5 Yr TR | | |
| 12/1/2019 | 3/31/2020 | 41.67% NCREIF-ODCE / 16.67% Bloomberg Commodity Index TR USD / 16.67% BBgBarc U.S. TIPS 0-5 Years / 25% BBgBarc Global Aggregate TR | | |
| 11/1/2019 | 11/30/2019 | 55.55% NCREIF-ODCE / 22.22% Bloomberg Commodity Index TR USD / 22.22% BBgBarc U.S. TIPS 0-5 Years | | |
| 10/1/2018 | 10/31/2019 | 50% NCREIF-ODCE / 30% Bloomberg Commodity Index TR USD / 20% BBgBarc U.S. TIPS 0-5 Years | | |
| 11/1/2017 | 9/30/2018 | 76.74% BBgBarc Global Aggregate TR / 11.63% NCREIF Property Index / 11.63% Bloomberg Commodity Index TR USD | | |
| 7/1/2015 | 10/31/2017 | 51.18% BBgBarc Global Aggregate TR / 11.78% NCREIF Property Index / 20.2% Bloomberg Commodity Index TR USD / 16.84% 60/40 MSCI ACWI/BBgBarc Global Aggregate | | |
| Investment Grade Bonds | | | | |
| 12/1/2019 | Present | Custom IG Bonds Benchmark (25% BBgBac 1-3 Year Government/Credit, 56% US Aggregate, 19% US Securitized MBS/ABS/CMBS) | | |
| TIPS | | | | |
| 3/1/2017 | Present | 100% BBgBarc US Treasury TIPS 0-5 Yr TR | | |
| 3/1/2017 | Present | 100% BBgBarc US Treasury TIPS 0-5 Yr TR | | |



Total Fund | As of June 30, 2023

| Core Private Real Estate | | | | |
|----------------------------|-----------|--|--|--|
| 6/1/2021 | Present | NCREIF ODCE Value Weighted (Net) (1 Qtr Lag) | | |
| 7/1/2004 | 5/31/2021 | NCREIF ODCE Equal Weighted (Net) | | |
| Commodities | | | | |
| 5/1/2010 | Present | Bloomberg Commodity Index TR USD | | |
| Long Term Government Bonds | | | | |
| 5/1/2020 | Present | BBgBarc US Govt Long TR | | |
| Core Bonds | | | | |
| 7/1/2015 | Present | BBgBarc Global Aggregate TR | | |
| Overlay | | | | |
| 11/1/2011 | Present | 91 Day T-Bills | | |
| | | | | |



Credit Risk: Refers to the risk that the issuer of a fixed income security may default (i.e., the issuer will be unable to make timely principal and/or interest payments on the security.)

Duration: Measure of the sensitivity of the price of a bond to a change in its yield to maturity. Duration summarizes, in a single number, the characteristics that cause bond prices to change in response to a change in interest rates. For example, the price of a bond with a duration of three years will rise by approximately 3% for each 1% decrease in its yield to maturity. Conversely, the price will decrease 3% for each 1% increase in the bond's yield. Price changes for two different bonds can be compared using duration. A bond with a duration of six years will exhibit twice the percentage price change of a bond with a three-year duration. The actual calculation of a bond's duration is somewhat complicated, but the idea behind the calculation is straightforward. The first step is to measure the time interval until receipt for each cash flow (coupon and principal payments) from a bond. The second step is to compute a weighted average of these time intervals. Each time interval is measured by the present value of that cash flow. This weighted average is the duration of the bond measured in years.

Information Ratio: This statistic is a measure of the consistency of a portfolio's performance relative to a benchmark. It is calculated by subtracting the benchmark return from the portfolio return (excess return), and dividing the resulting excess return by the standard deviation (volatility) of this excess return. A positive information ratio indicates outperformance versus the benchmark, and the higher the information ratio, the more consistent the outperformance.

Jensen's Alpha: A measure of the average return of a portfolio or investment in excess of what is predicted by its beta or "market" risk. Portfolio Return- [Risk Free Rate+Beta*(market return-Risk Free Rate)].

Market Capitalization: For a firm, market capitalization is the total market value of outstanding common stock. For a portfolio, market capitalization is the sum of the capitalization of each company weighted by the ratio of holdings in that company to total portfolio holdings; thus it is a weighted-average capitalization. Meketa Investment Group considers the largest 65% of the broad domestic equity market as large capitalization, the next 25% of the market as medium capitalization, and the smallest 10% of stocks as small capitalization.

Market Weighted: Stocks in many indices are weighted based on the total market capitalization of the issue. Thus, the individual returns of higher market-capitalization issues will more heavily influence an index's return than the returns of the smaller market-capitalization issues in the index.

Maturity: The date on which a loan, bond, mortgage, or other debt/security becomes due and is to be paid off.

Prepayment Risk: The risk that prepayments will increase (homeowners will prepay all or part of their mortgage) when mortgage interest rates decline; hence, investors' monies will be returned to them in a lower interest rate environment. Also, the risk that prepayments will slow down when mortgage interest rates rise; hence, investors will not have as much money as previously anticipated in a higher interest rate environment. A prepayment is any payment in excess of the scheduled mortgage payment.

Price-Book Value (P/B) Ratio: The current market price of a stock divided by its book value per share. Meketa Investment Group calculates P/B as the current price divided by Compustat's quarterly common equity. Common equity includes common stock, capital surplus, retained earnings, and treasury stock adjusted for both common and nonredeemable preferred stock. Similar to high P/E stocks, stocks with high P/B's tend to be riskier investments.



Price-Earnings (P/E) Ratio: A stock's market price divided by its current or estimated future earnings. Lower P/E ratios often characterize stocks in low growth or mature industries, stocks in groups that have fallen out of favor, or stocks of established blue chip companies with long records of stable earnings and regular dividends. Sometimes a company that has good fundamentals may be viewed unfavorably by the market if it is an industry that is temporarily out of favor. Or a business may have experienced financial problems causing investors to be skeptical about is future. Either of these situations would result in lower relative P/E ratios. Some stocks exhibit above-average sales and earnings growth or expectations for above average growth. Consequently, investors are willing to pay more for these companies' earnings, which results in elevated P/E ratios. In other words, investors will pay more for shares of companies whose profits, in their opinion, are expected to increase faster than average. Because future events are in no way assured, high P/E stocks tend to be riskier and more volatile investments. Meketa Investment Group calculates P/E as the current price divided by the I/B/E/S consensus of twelve-month forecast earnings per share.

Quality Rating: The rank assigned a security by such rating services as Fitch, Moody's, and Standard & Poor's. The rating may be determined by such factors as (1) the likelihood of fulfillment of dividend, income, and principal payment of obligations; (2) the nature and provisions of the issue; and (3) the security's relative position in the event of liquidation of the company. Bonds assigned the top four grades (AAA, AA, A, BBB) are considered investment grade because they are eligible bank investments as determined by the controller of the currency.

Sharpe Ratio: A commonly used measure of risk-adjusted return. It is calculated by subtracting the risk free return (usually three-month Treasury bill) from the portfolio return and dividing the resulting excess return by the portfolio's total risk level (standard deviation). The result is a measure of return per unit of total risk taken. The higher the Sharpe ratio, the better the fund's historical risk adjusted performance.

STIF Account: Short-term investment fund at a custodian bank that invests in cash-equivalent instruments. It is generally used to safely invest the excess cash held by portfolio managers.

Standard Deviation: A measure of the total risk of an asset or a portfolio. Standard deviation measures the dispersion of a set of numbers around a central point (e.g., the average return). If the standard deviation is small, the distribution is concentrated within a narrow range of values. For a normal distribution, about two thirds of the observations will fall within one standard deviation of the mean, and 95% of the observations will fall within two standard deviations of the mean.

Style: The description of the type of approach and strategy utilized by an investment manager to manage funds. For example, the style for equities is determined by portfolio characteristics such as price-to-book value, price-to-earnings ratio, and dividend yield. Equity styles include growth, value, and core.

Tracking Error: A divergence between the price behavior of a position or a portfolio and the price behavior of a benchmark, as defined by the difference in standard deviation.



Yield to Maturity: The yield, or return, provided by a bond to its maturity date; determined by a mathematical process, usually requiring the use of a "basis book." For example, a 5% bond pays \$5 a year interest on each \$100 par value. To figure its current yield, divide \$5 by \$95—the market price of the bond—and you get 5.26%. Assume that the same bond is due to mature in five years. On the maturity date, the issuer is pledged to pay \$100 for the bond that can be bought now for \$95. In other words, the bond is selling at a discount of 5% below par value. To figure yield to maturity, a simple and approximate method is to divide 5% by the five years to maturity, which equals 1% pro rata yearly. Add that 1% to the 5.26% current yield, and the yield to maturity is roughly 6.26%.

Yield to Worst: The lowest potential yield that can be received on a bond without the issuer actually defaulting. The yield to worst is calculated by making worst-case scenario assumptions on the issue by calculating the returns that would be received if provisions, including prepayment, call, or sinking fund, are used by the issuer.

NCREIF Property Index (NPI): Measures unleveraged investment performance of a very large pool of individual commercial real estate properties acquired in the private market by tax-exempt institutional investors for investment purposes only. The NPI index is capitalization-weighted for a quarterly time series composite total rate of return.

NCREIF Fund Index - Open End Diversified Core Equity (NFI-ODCE): Measures the investment performance of 28 open-end commingled funds pursuing a core investment strategy that reflects funds' leverage and cash positions. The NFI-ODCE index is equal-weighted and is reported gross and net of fees for a quarterly time series composite total rate of return.

Sources: Investment Terminology, International Foundation of Employee Benefit Plans, 1999.

The Handbook of Fixed Income Securities, Fabozzi, Frank J., 1991

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Throughout this report, numbers may not sum due to rounding.

Returns for periods greater than one year are annualized throughout this report.

Values shown are in millions of dollars, unless noted otherwise.