



Merced County Employees' Retirement Association

August 22, 2024

Q2 Performance Update

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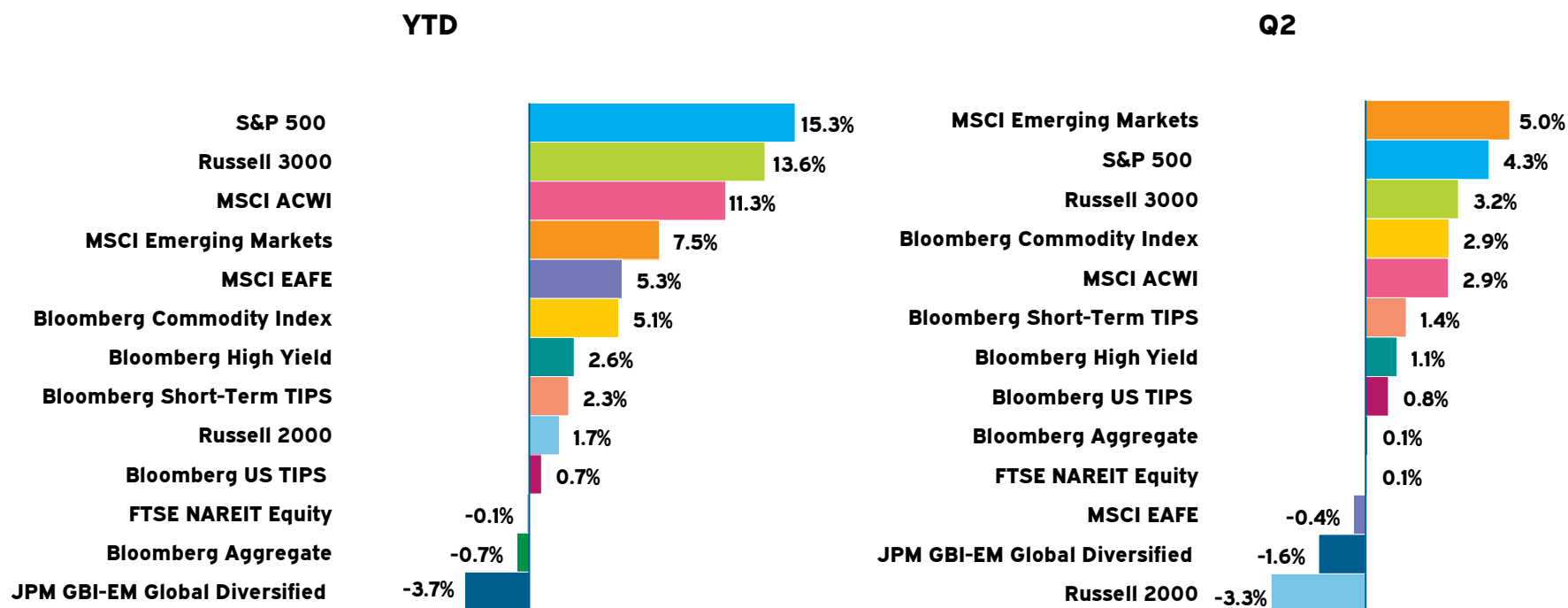
Economic and Market Update

As of June 30, 2024

Commentary

- Softening economic data, increased hopes of interest rate cuts, and ongoing AI optimism drove most asset classes higher in the second quarter.
- While the Fed remains data dependent, improvements in inflation and a cooling labor market may clear the way for several rate cuts this year.
 - Inflation pressures have eased in most countries from their pandemic peaks, but some uncertainty remains and levels are still above most central bank targets. In the second quarter, headline and core inflation measures in the US both fell, with most readings coming in below expectations.
 - The US equity markets (Russell 3000 index) added to its gains in the second quarter, rising 3.2%. Technology continued to drive results in the quarter due to AI demand and investment.
 - Non-US developed equity markets fell in the second quarter (-0.4%) on continued strength in the US dollar and political uncertainty in Europe.
 - Emerging market equities rallied (5.0%), for the quarter. Chinese stocks were up 7.1% as coordinated buying of Chinese exchange traded funds (ETFs) by state-backed financial services companies helped boost stock prices.
 - US interest rates rose over the quarter but finished off their highs. Income offset capital losses though, leading to the broad US bond market rising 0.1% in the second quarter.
- Looking to the rest of this year, the paths of inflation and monetary policy, China's economic disorder and slowing economic growth, and the many looming elections will be key factors.

Index Returns¹



→ Declining inflation, resilient growth, and strong corporate earnings supported most asset classes in the second quarter.

→ Mid-way through 2024, US stocks have significantly outperformed other asset classes on a year-to-date basis.

¹ Source: Bloomberg. Data is as of June 30, 2024.

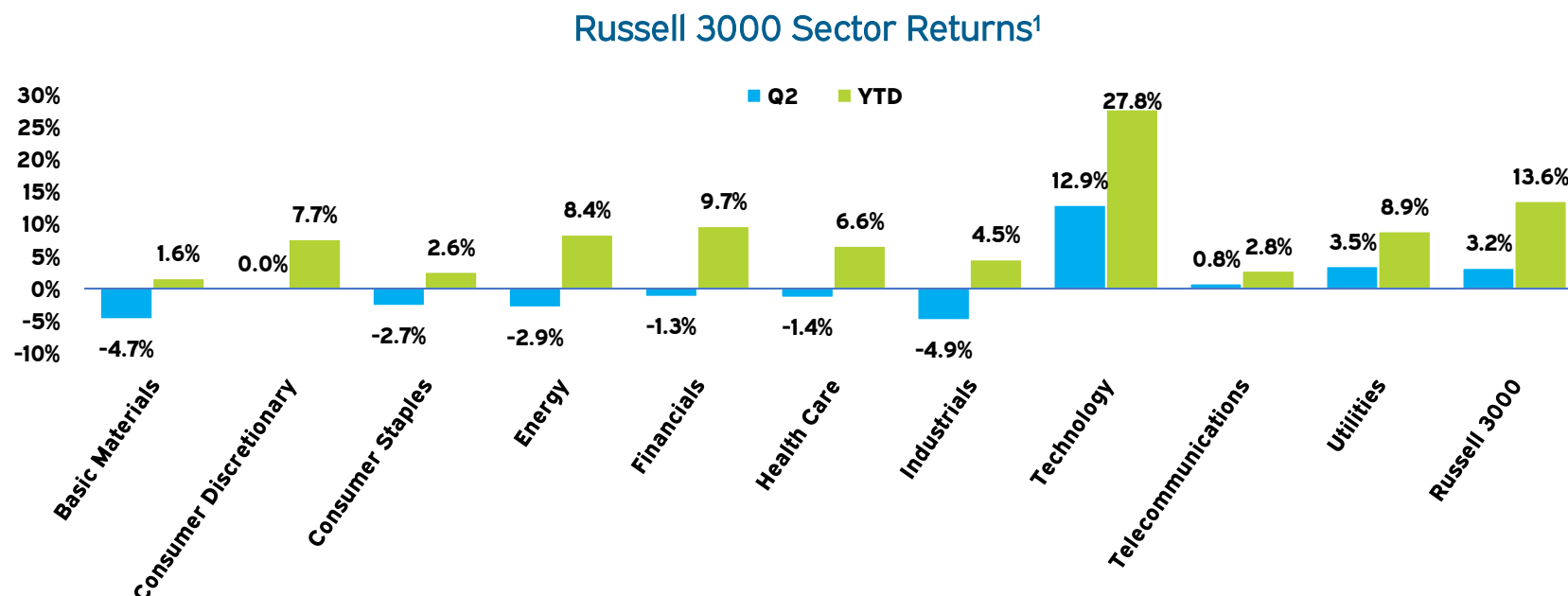
Domestic Equity Returns¹

Domestic Equity	June (%)	Q2 (%)	YTD (%)	1 YR (%)	3 YR (%)	5 YR (%)	10 YR (%)
S&P 500	3.6	4.3	15.3	24.6	10.0	15.1	12.9
Russell 3000	3.1	3.2	13.6	23.1	8.1	14.2	12.1
Russell 1000	3.3	3.6	14.2	23.9	8.8	14.6	12.5
Russell 1000 Growth	6.7	8.3	20.7	33.5	11.3	19.4	16.3
Russell 1000 Value	-0.9	-2.2	6.6	13.1	5.5	9.0	8.2
Russell MidCap	-0.7	-3.3	5.0	12.9	2.4	9.5	9.0
Russell MidCap Growth	1.7	-3.2	6.0	15.1	-0.1	9.9	10.5
Russell MidCap Value	-1.6	-3.4	4.5	12.0	3.7	8.5	7.6
Russell 2000	-0.9	-3.3	1.7	10.1	-2.6	6.9	7.0
Russell 2000 Growth	-0.2	-2.9	4.4	9.1	-4.9	6.2	7.4
Russell 2000 Value	-1.7	-3.6	-0.8	10.9	-0.5	7.1	6.2

US Equities: The Russell 3000 rose 3.2% in the second quarter, bringing the year-to-date results to 13.6%.

- US stocks continued their rise in June driven by on-going AI optimism. Nearly all the quarterly market gains in the S&P 500 were driven by large cap technology stocks, with the S&P 500 equal weighted index down 3.1% for the quarter.
- US large cap stocks continue to outperform small cap stocks. This dynamic is driven by the large technology stocks like NVIDIA, Apple, and Alphabet and the underperformance of small cap biopharma companies and banks.
- Growth outperformed value for the quarter, with the most pronounced outperformance in the large cap space (8.3% versus -2.2%).

¹ Source: Bloomberg. Data is as of June 30, 2024.



- Unlike first quarter performance, where all sectors gained, the second quarter saw mixed results across the major sectors.
- Technology (+12.9%) continued to drive results fueled by on-going AI optimism. Utilities were a distant second increasing 3.5%, on expectations of increased demand from AI-related companies.
- Many other sectors fell, including financials (-1.3%), health care (-1.4%), consumer staples (-2.7%), energy (-2.9%), materials (-4.7%), and industrials (-4.9%).
- All sectors have positive returns for the year-to-date period. Technology stocks (+27.8%) continue to lead the broader market, followed by financials (9.7%).

¹ Source: Bloomberg. Data is as of June 30, 2024.

Foreign Equity Returns¹

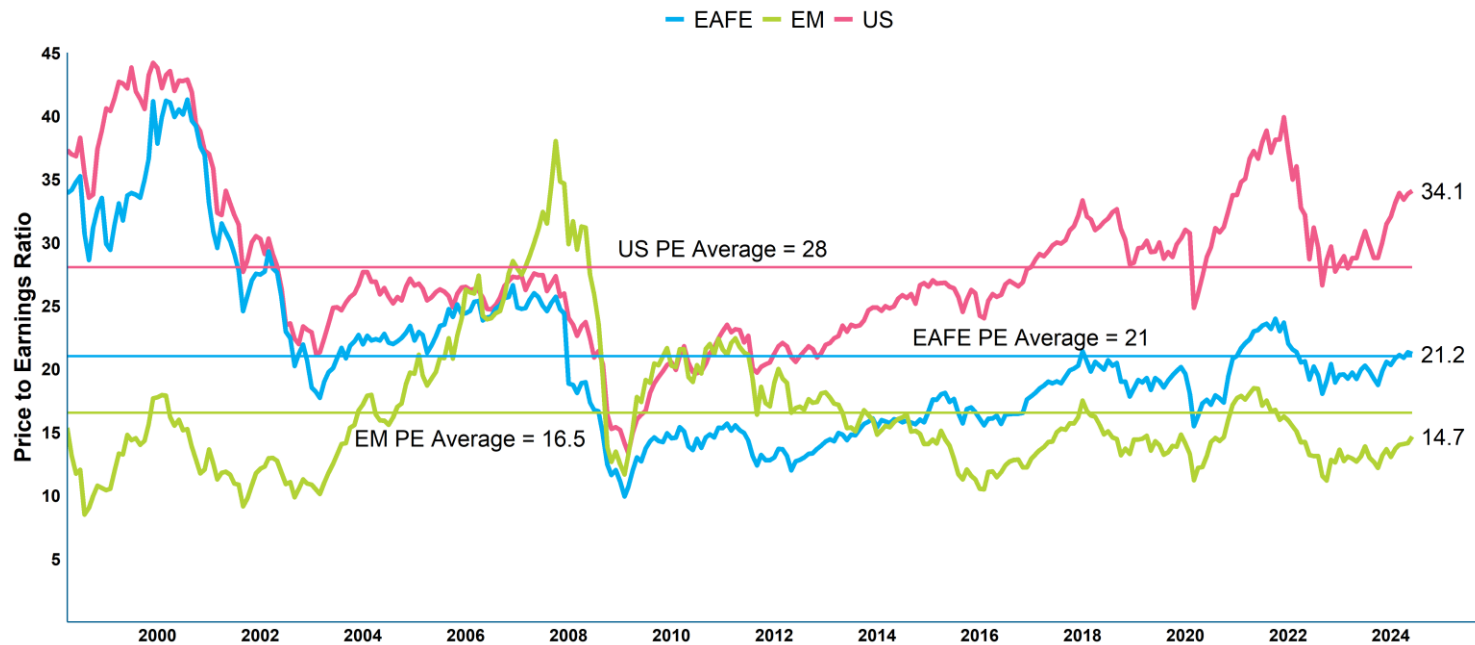
Foreign Equity	June (%)	Q2 (%)	YTD (%)	1 YR (%)	3 YR (%)	5 YR (%)	10 YR (%)
MSCI ACWI ex. US	-0.1	1.0	5.7	11.6	0.5	5.6	3.8
MSCI EAFE	-1.6	-0.4	5.3	11.5	2.9	6.5	4.3
MSCI EAFE (Local Currency)	-0.6	1.0	11.1	15.1	8.1	9.0	7.4
MSCI EAFE Small Cap	-3.0	-1.8	0.5	7.8	-3.4	4.2	4.3
MSCI Emerging Markets	3.9	5.0	7.5	12.5	-5.1	3.1	2.8
MSCI Emerging Markets (Local Currency)	4.3	6.2	11.0	15.5	-1.6	5.6	5.8
MSCI EM ex. China	6.1	4.2	8.4	18.5	1.4	6.7	3.9
MSCI China	-1.9	7.1	4.7	-1.6	-17.7	-4.3	1.4

Foreign Equity: Developed international equities (MSCI EAFE) fell 0.4% in the second quarter, while emerging market equities (MSCI Emerging Markets) gained 5.0%.

- For the second quarter, developed market equities declined driven by continued strength in the US dollar and regional political risks particularly in France. UK and Japanese equities made new all-time highs during the quarter, but this was not enough to offset losses in Europe.
- Emerging market equities outpaced developed market equities during the quarter given strong results in China (7.1%). China equities moved into positive territory for the year (4.7%) due to government purchases of shares, improving economic data, and returning foreign investors.

¹ Source: Bloomberg. Data is as of June 30, 2024.

Equity Cyclically Adjusted P/E Ratios¹



- At the end of the second quarter, the US equity price-to-earnings ratio remained elevated and above its 21st century average.
- International equity market valuations remain well below the US. International developed market valuations have increased to slightly above their long-term average, while emerging market equities remain below their long-term average despite recent gains.

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: Bloomberg. Earnings figures represent the average of monthly “as reported” earnings over the previous ten years. Data is as of June 2024. The average line is the long-term average of the US, EM, and EAFE PE values from April 1998 to the recent month-end respectively.

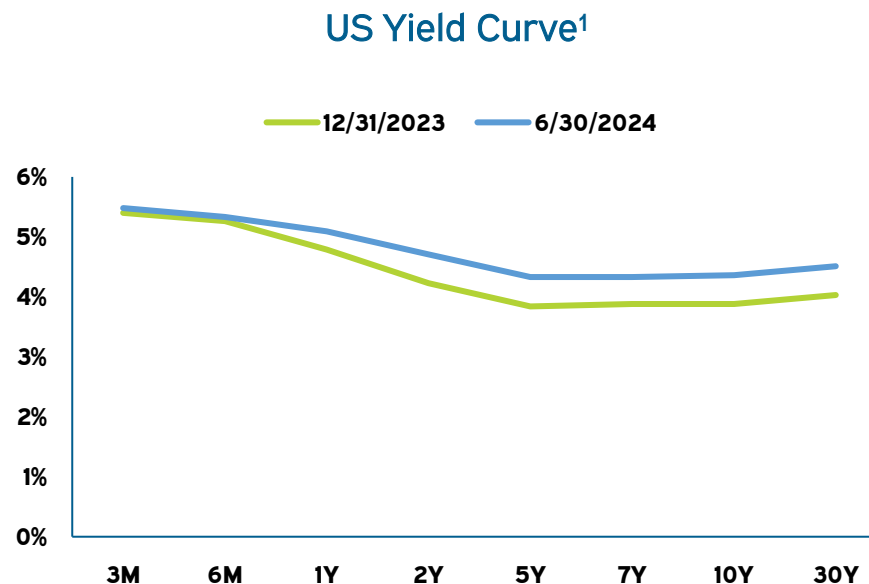
Fixed Income Returns¹

Fixed Income	June (%)	Q2 (%)	YTD (%)	1 YR (%)	3 YR (%)	5 YR (%)	10 YR (%)	Current Yield (%)	Duration (Years)
Bloomberg Universal	0.9	0.2	-0.3	3.5	-2.7	0.1	1.6	5.3	6.0
Bloomberg Aggregate	0.9	0.1	-0.7	2.6	-3.0	-0.2	1.3	5.0	6.2
Bloomberg US TIPS	0.8	0.8	0.7	2.7	-1.3	2.1	1.9	4.8	6.6
Bloomberg Short-term TIPS	0.6	1.4	2.3	5.4	2.2	3.2	2.0	5.1	2.4
Bloomberg High Yield	0.9	1.1	2.6	10.4	1.6	3.9	4.3	7.9	3.7
JPM GBI-EM Global Diversified (USD)	-1.1	-1.6	-3.7	0.7	-3.3	-1.3	-0.9	--	--

Fixed Income: The Bloomberg Universal index rose 0.2% in the second quarter, reducing the year-to-date decline to -0.3%.

- Bonds finished the quarter slightly up as May and June gains offset the April declines.
- The broad US bond market (Bloomberg Aggregate) rose 0.1% in the second quarter, with the broad TIPS market gaining 0.8%. The less interest rate sensitive short-term TIPS index increased 1.4% for the quarter, leading to the best results.
- High yield bonds (1.1%) also rose, as risk appetite remains strong.

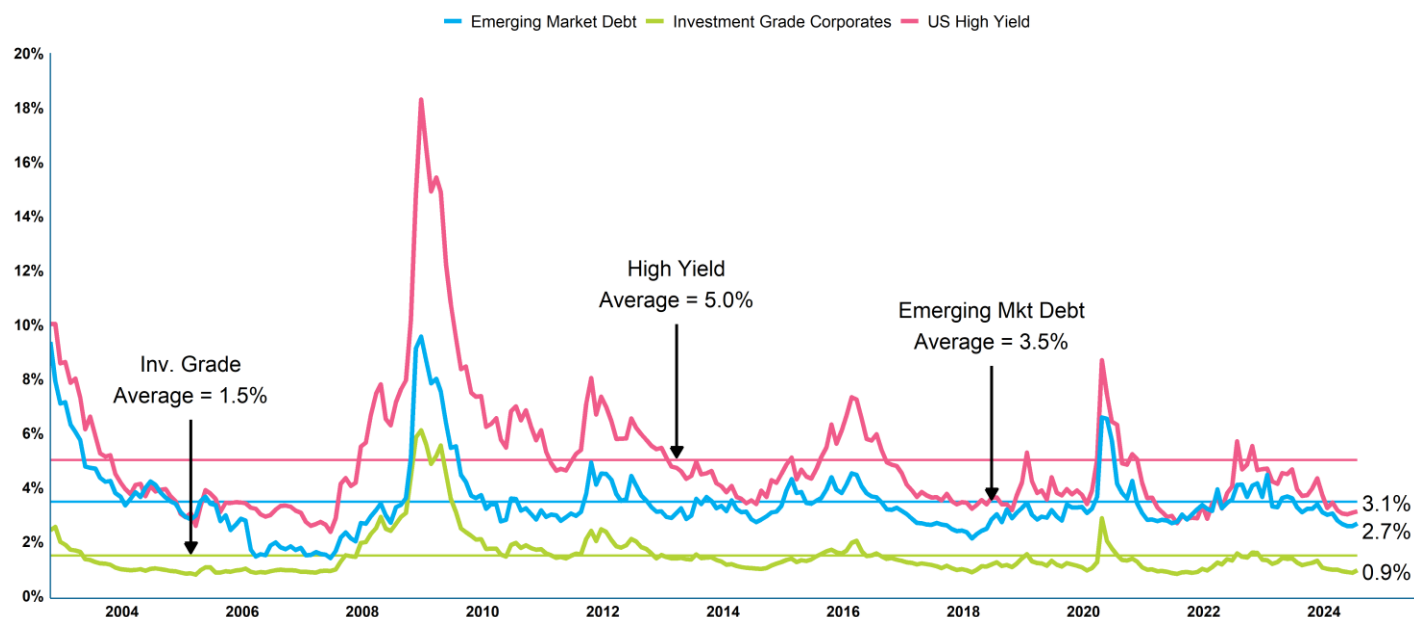
¹ Source: Bloomberg. Data is as of June 30, 2024. The yield and duration data from Bloomberg is defined as the index's yield to worst and modified duration respectively. JPM GBI-EM data is from J.P. Morgan. Current yield and duration data is not available.



- After rates significantly increased in April on strong inflation data, they then declined in May and June. Chair Powell confirming that the FOMC would not raise rates again this year as economic data appears to be returning to long-run trends led to rates declining from the April highs.
- The more policy sensitive 2-year Treasury yield finished the quarter roughly 0.2% higher at 4.76% but well off its peak of over 5.0%. The 10-year Treasury rose by a similar amount during the quarter finishing at 4.39%; also, off its April peak of 4.68%.
- The yield curve remained inverted at month-end, with the spread between the 2-year and 10-year Treasury at roughly -35 basis points.

¹ Source: Bloomberg. Data is as of June 30, 2024.

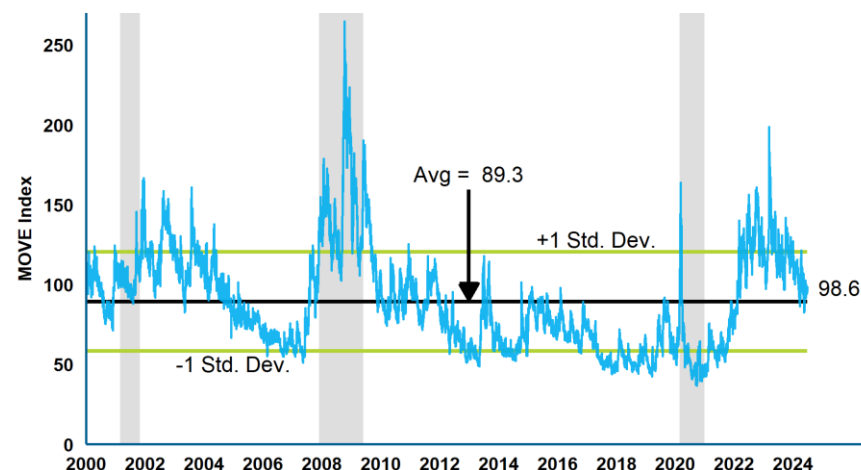
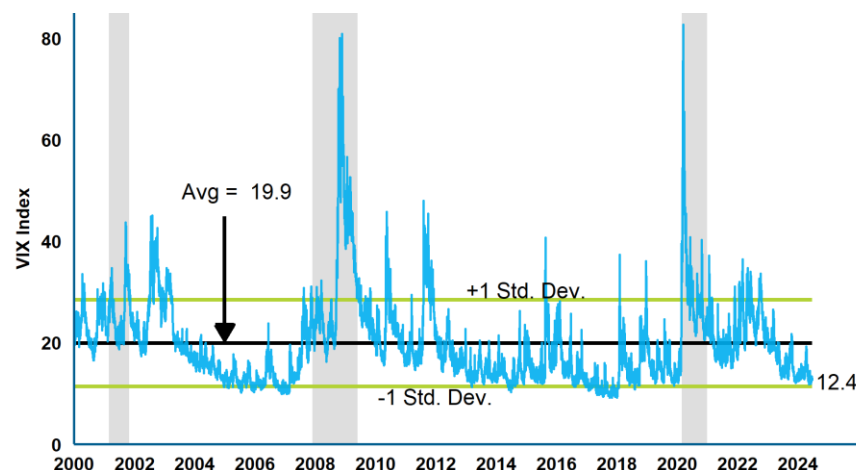
Credit Spreads vs. US Treasury Bonds¹



- Despite rising rates, investor demand for risk exposure in credit markets remained strong in Q2 given measured weakness in the economic outlook and expectations of lower interest rates by year-end.
- Spreads (the yield above a comparable maturity Treasury) stayed relatively steady over the quarter, near post-pandemic lows. All spreads remained below their respective long-run averages, particularly high yield.
- Although spreads are relatively tight, yields remain at above-average levels compared to the last two decades, particularly for short-term issues.

¹ Source: Bloomberg. Data is as of June 30, 2024. Average lines denote the average of the investment grade, high yield, and emerging market spread values from September 2002 to the recent month-end, respectively.

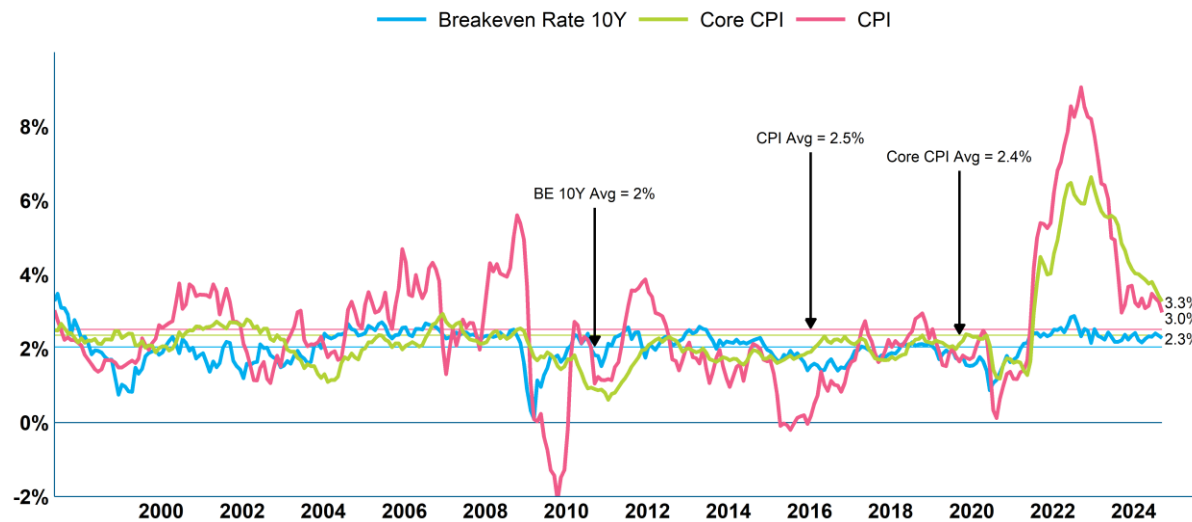
Equity and Fixed Income Volatility¹



- Volatility in equities was around one standard deviation below its long-term average at the end of the quarter as continued strength in technology stocks and weakening economic data has moderated fear in the markets.
- Volatility in bonds (MOVE) ended June higher than where it started the quarter (98.6 versus 86.4) and above its long-run average.

¹ Equity Volatility – Source: FRED. 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 June 2024. The average line indicated is the average of the VIX and MOVE values between January 2000 and June 2024.

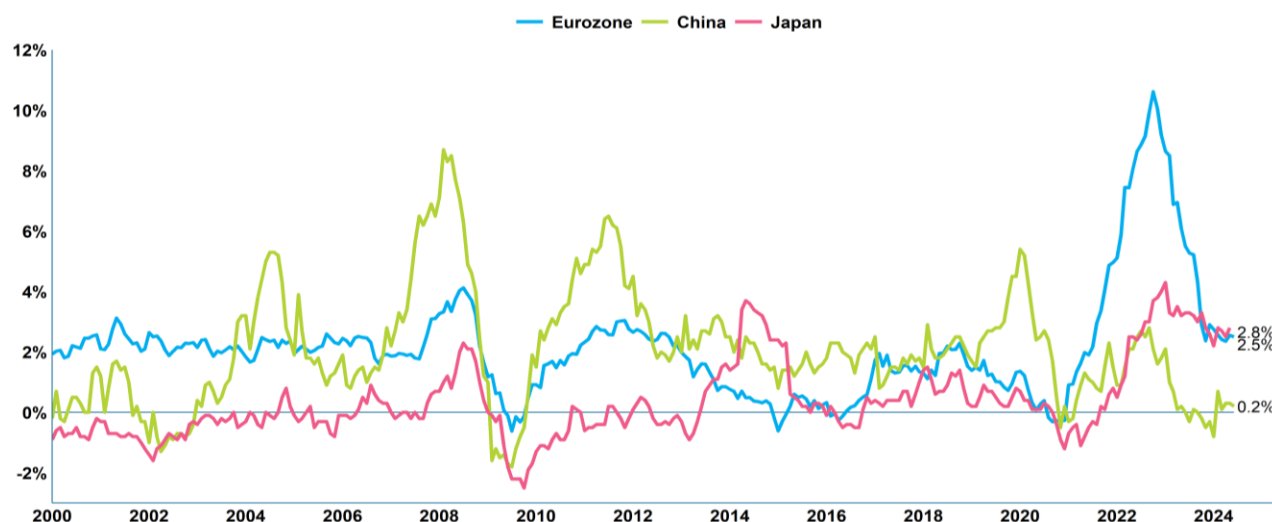
US Ten-Year Breakeven Inflation and CPI¹



- Year-over-year headline inflation continued to fall in June (3.3% to 3.0%) and again came in below expectations. Over the quarter, inflation fell by a total of 0.5%.
- Month-over-month inflation was negative for the first time since March 2020, largely because of price declines in energy and core goods.
- Core inflation (excluding food and energy) also declined in June (3.4% to 3.3%) and came in below expectations. A drop in used car prices, transportation services, and a slowing of the pace of shelter price increases all contributed to the decline.
- Inflation expectations (breakevens) have been volatile, but they finished the quarter largely where they started.

¹ Source: FRED. Data is as June 2024. The CPI and 10 Year Breakeven average lines denote the average values from February 1997 to the present month-end, respectively. Breakeven values represent month-end values for comparative purposes.

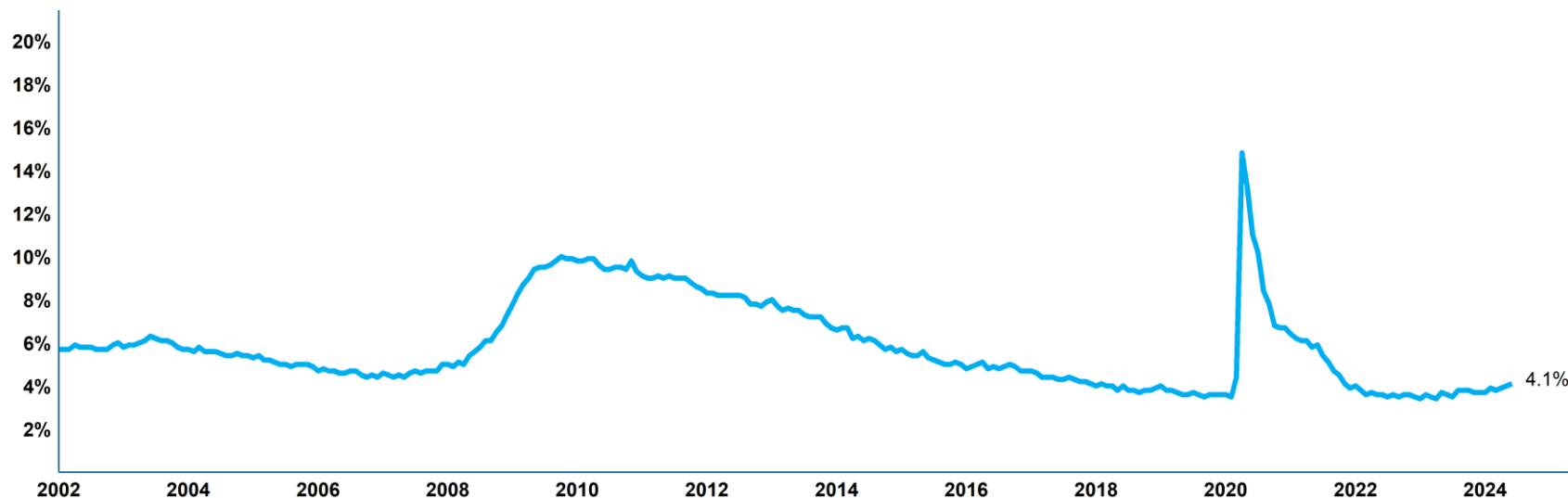
Global Inflation (CPI Trailing Twelve Months)¹



- Outside the US, inflation is also easing from the recent peaks.
- In the eurozone, inflation experienced a dramatic decline last year but remains above the central bank's 2% target. In June, inflation fell slightly from 2.6% to 2.5% year-over-year.
- Inflation in Japan has slowly dropped from the early 2023 peak of 4.3%, but it remains near levels not seen in a decade. In the most recent reading (May), inflation rose modestly from 2.5% to 2.8% as fuel and utility prices increased.
- China appears to have emerged from deflationary pressures, but inflation levels remain well below other major economies due to slowing economic growth. Annual inflation levels have been positive for the last five readings signaling improvement in domestic demand. The June year-over-year number came in at 0.2%, slightly lower than the prior reading of 0.3%.

¹ Source: Bloomberg. Data is June 30, 2024, except Japan which is as of May 31, 2024.

US Unemployment¹

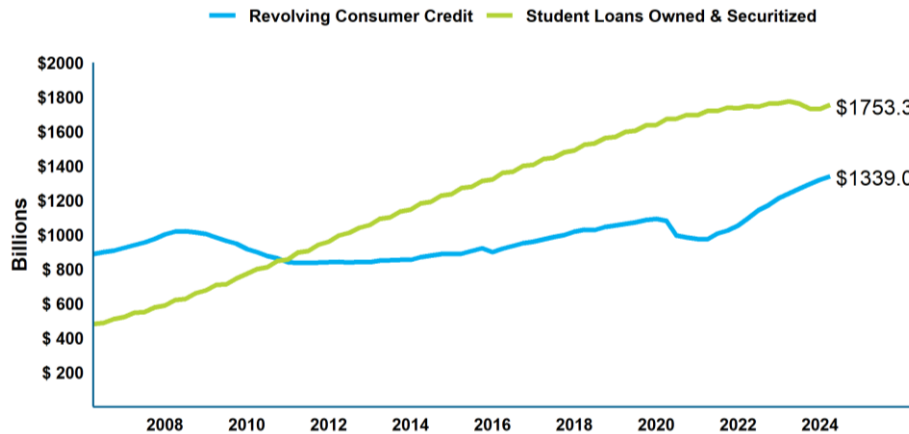


- Overall, the US labor market remains healthy, but there have been some recent signs of softening.
- The unemployment rate came in above expectations in June reaching 4.1%, a level not seen since early 2022. Over the second quarter unemployment increased 0.3%.
- Wage growth remains strong though (around 3.9% annually), and initial claims for unemployment are still subdued.
- Despite significant downward revisions to job gains in April and May, in June the economy added 206,000 jobs (above expectations). The government added the most jobs (70,000), followed by the healthcare sector (49,000).

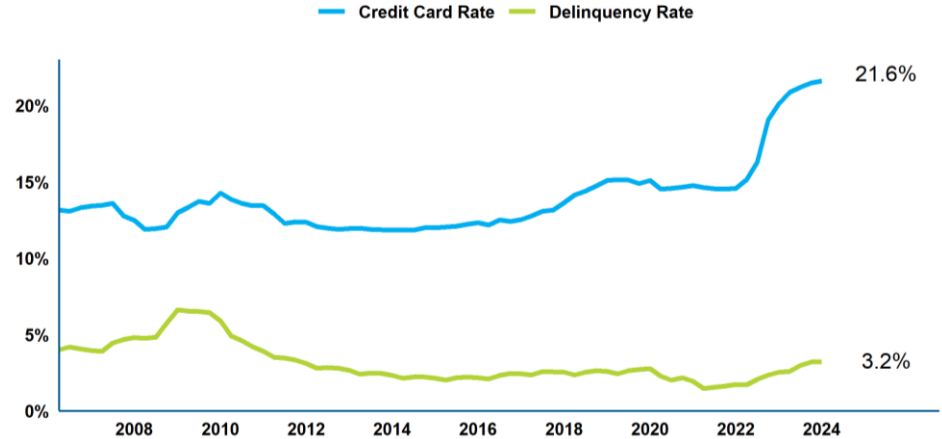
¹ Source: FRED. Data is as June 30, 2024.

US Consumer Under Stress?¹

Revolving Consumer Credit & Student Loans (\$B)



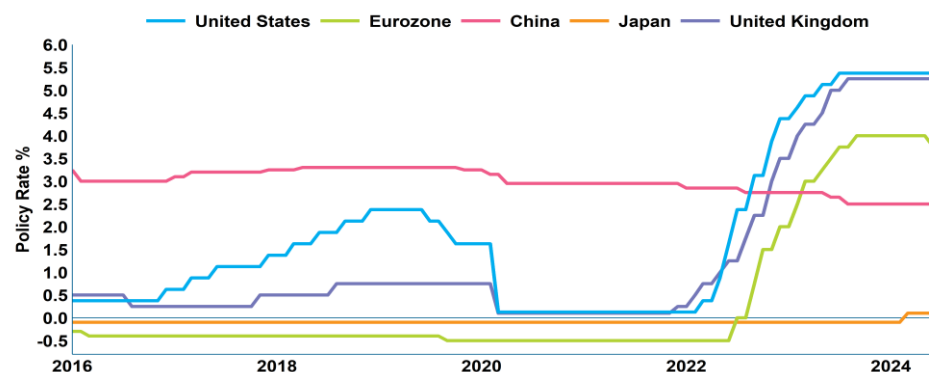
Consumer Credit Card Interest Rates (%)



- Despite the strong labor market and higher wages, pressures are building on the US consumer. This is an important consideration as consumer spending has been a key driver of economic growth.
- Revolving consumer credit surged to new highs in 2023 even as credit card interest rates hit levels not seen before (the prior peak was around 19% in the 1980s). Recently, we have also seen payment delinquencies on credit cards and auto loans start to increase, particularly for younger people.
- The return of student loan repayments after a three-year pandemic-related reprieve could add to pressures on consumers' budgets. This might be partially mitigated by recently initiated repayment and forgiveness programs.
- It is worth noting though that many people locked in low-rate fixed mortgages before rates increased and many corporations issued debt at extremely low levels, reducing the sensitivity to higher rates.

¹ Source: FRED. Data is as of March 31, 2024. Revolving Consumer Credit data is seasonally adjusted to remove distortions during the holiday season.

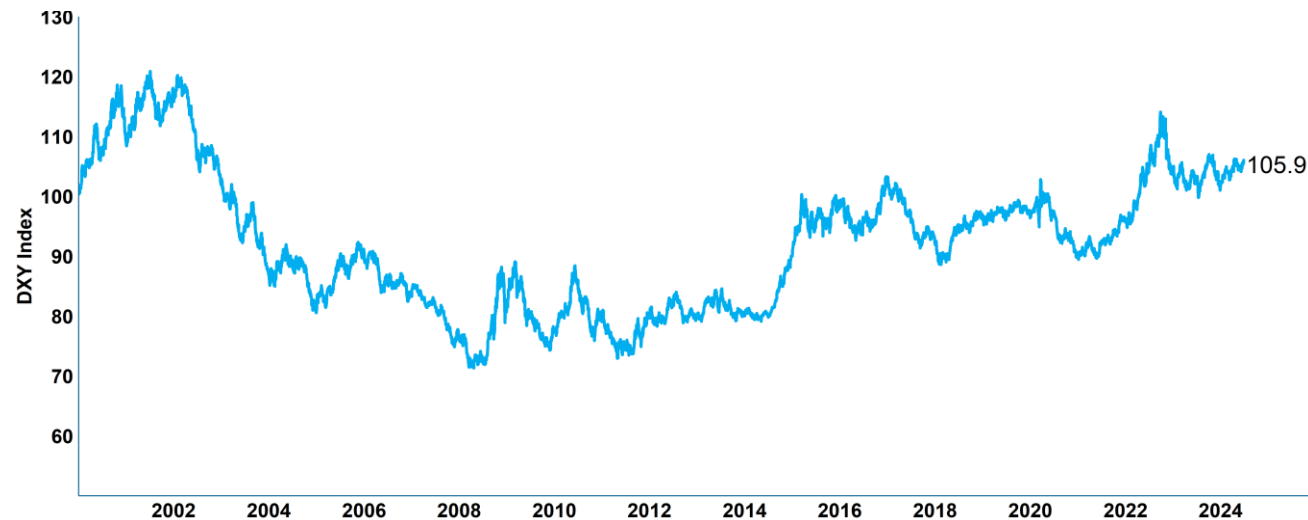
Policy Rates¹



- In the US interest rates have remained at current levels (5.25%-5.50%) for a year now. The most recent “dot plot” (the Fed’s expectation on the path of rates) showed a median expectation of roughly one rate cut this year. Markets are now pricing in two to three rate cuts in 2024 given the improving inflation data with the probability of a cut around 100% in September and slightly over 90% for December.
- The European Central Bank (ECB) cut its policy rate by 25 basis points at the beginning of June, as expected. Like the US, cuts are also anticipated at the September and December meetings.
- After ending the last negative interest rate policy given higher inflation levels, the Bank of Japan (BOJ) has since kept rates at slightly above 0%. Policy is expected to tighten going forward with the BOJ announcing at their recent meeting they would also start reducing their bond purchases. Interest rate futures markets are pricing in roughly two rate hikes (of 10 basis points) through the end of the year.
- The central bank in China has maintained interest rates at record low levels and continues to inject liquidity into the banking system, to support economic growth.

¹ Source: Bloomberg. Data is as of June 30, 2024. United States rate is the mid-point of the Federal Funds Target Rate range. Eurozone rate is the ECB Deposit Facility Announcement Rate. Japan rate is the Bank of Japan Unsecured Overnight Call Rate Expected. China rate is the China Central Bank 1-Year Medium Term Interest Rate. UK rate is the UK Bank of England Official Bank Rate.

US Dollar vs. Broad Currencies¹



- Overall, the dollar rose in the second quarter (104.5 to 105.9) versus a basket of currencies of major trading partners.
- China and the ECB cutting policy rates, stronger relative growth, and the weakening of the Japanese yen, have all collectively helped strengthen the dollar.

¹ Source: Bloomberg. Data as of June 30, 2024.

Summary

Key Trends:

- According to the International Monetary Fund's (IMF) April report, global growth this year is expected to match the 2023 estimate at around 3.2% with most major economies predicted to avoid a recession. Continued strong economic growth does run the risk of inflation and interest rates staying higher for longer.
- Key economic data in the US has largely weakened and come in below expectations, causing markets to expect between two and three rate cuts this year. Uncertainty remains though regarding the timing and pace of interest rate cuts in the coming year.
- We have started to see some divergences in monetary policy with other central banks, such as the European Central Bank (ECB), starting to cut interest rates while the Fed remains on hold. This disparity will likely influence investment flows and currencies.
- US consumers could feel pressure as certain components of inflation (e.g., shelter) remain high, borrowing costs are elevated, and the job market may weaken.
- A focus for US equities going forward will be whether earnings can remain resilient if growth slows. Also, the future paths 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 China's economic uncertainty and ongoing weakness in the real estate sector. Japan's recent tightening of monetary policy along with changes in corporate governance in the country could influence relative results.

Q2 Executive Summary

Performance Overview – Q2 2024

Total Market Value		Q1 Results		5 Year Results	
Q2 2023	\$1,238,599,556	MercedCERA	2.5%	MercedCERA	8.6%
Q1 2023	\$1,219,656,060	MercedCERA	4.8%	MercedCERA	8.8%

As of June 30, 2024, the value of the Fund's assets was \$1,238 million.

- The MercedCERA portfolio returned 2.5% for the quarter, mirroring its policy index. This translates to annualized returns of 4.0%, 8.6% and 7.3% over the three, five and ten-year trailing periods. The portfolio's since inception annualized return is 8.1%.
- Most equity markets continued to climb during the second quarter of 2024 as softening economic data increased optimism around interest rate cuts, whereas Fixed Income markets saw marginal gains due to income being offset by capital losses due to rising interest rates over the period. US Equities returned 3.0%, marginally trailing the index return of 3.2%. Developed International Equity returned 1.6% over the period, outpacing the benchmark by 180 basis points. Emerging Markets Equity posted 4.8% over the period, marginally trailing the benchmark by 20 basis points. US Fixed Income returned 0.2%, mirroring the benchmark. Opportunistic Credit saw strong returns at 1.9% over the quarter, outpacing the blended benchmark by 110 basis points. Real Estate posted 0.1% for the quarter, outpacing the benchmark by 250 basis points. Private Equity saw strong absolute returns at 4.9%, compared to the (public market plus premium) index return of 9.2%. Real Assets returned 4.0%, outpacing the index return of 0.4%.
- Relative outperformance from Developed International Equity, and Real Asset contributed over the quarter, though sharp underperformance from Private Equity versus their respective benchmark was the primary detractor.

Public Manager Highlights Q2 2024

9 out of 13 Public Active Managers¹ either outperformed or matched their respective benchmarks for Q2 2024.

Total Equity (Active)

- US Equity, returned 3.0%, trailing the benchmark (Russell 3000) by 20 basis points. BNY Mellon Newton Dynamic US Equity, MercedCERA's active large cap manager, marginally trailed the S&P 500 Index return of 4.3%. Champlain Small Cap, the portfolio's active small cap manager, returned -2.6%, outpacing the Russell 2000 Index return by 70 basis points. Outperformance was attributable to the fund's exclusion of the Energy and Communication Services sectors, as well as stock selection in Information Technology over the period.
- Developed International Equity returned 1.6%, outpacing its benchmark by 180 basis points as all managers in the sleeve, except for the Driehaus International Small Cap Growth, outpaced their respective benchmarks. GQG was the strongest performer on both absolute and relative to benchmark basis, outpacing its benchmark by 400 basis points. Driehaus, the struggled on both relative and absolute basis, returning -1.8% over the quarter. Driehaus cited manager selection in Industrials and Health Care sectors as the largest detractors over the period.
- Artisan & RWC, the two managers in the Emerging Markets space posted returns of 5.3% & 3.9% respectively. Relative to their index (MSCI Emerging Markets) return of 5.0%, Artisan slightly outpaced the index, whereas RWC underperformed over the period. Artisan is a benchmark-agnostic strategy that invests in a small number of securities. Artisan cited positions in Southeast Asian e-commerce company Sea, Nvidia, Indian online travel company MakeMyTrip and cybersecurity firm CrowdStrike as some of the strongest contributors over the quarter.

¹ Excludes Public Managers that do not have a full quarter of performance, Private Markets and Hedge Fund Managers.

Public Manager Highlights Q2 2024 (continued)**Total Fixed Income (Active)**

- US Fixed Income returned 0.2%, mirroring the asset class benchmark performance over the quarter. Payden & Rygel provided the strongest absolute returns at 1.2% over the period, outperforming its benchmark by 30 basis points. Wellington Core Bond saw marginally positive performance at 0.4%, while also outperforming its benchmark by 30 basis points. Brandywine struggled on both absolute and relative basis, returned -0.5% while trailing the index by 60 basis points.
- Opportunistic Credit returned 1.9%, outpacing the blended benchmark return of 0.8%. Both PIMCO and GoldenTree funds posted positive absolute returns for the quarter, as well as outpacing their respective benchmarks. PIMCO Income attributed strong performance to security selection in non-Agency MBS, Investment grade corporate credit classes and High-yield corporate credit classes.

Active Manager Expectations

Manager	Strategy Description	Beta (High/Neutral/Low)	Tracking Error Range (basis points)	Environments Manager Underperforms
Domestic Equity				
Champlain Small Cap	Moderately diversified small cap portfolio.	Low	4.0% to 7.0%	In low quality rallies.
Newton/Mellon Capital MCM Dynamic US Equity	Very diversified, quantitative, large cap core portfolio. Also has exposure to fixed income assets.	Neutral (higher in more recent periods)	2.5% to 5.0%	When investors misprice forward looking return/risk characteristics; when returns are concentrated in one sector.
Developed Markets Equity (Non-US)				
Driehaus International Small Cap Growth	Diversified growth manager that seeks to invest in companies experiencing positive growth inflections, using a combination of fundamental and macroeconomic analysis.	Low	4.0% to 7.0%	At market inflection points, with abrupt leadership change. Deep value, low quality market environments.
Acadian ACWI ex US Small Cap Equity	Very diversified international small cap portfolio, employing highly adaptive quantitative models.	Neutral	2.5% to 4.5%	During narrow markets, abrupt changes in leadership. In "value" challenged periods.
First Eagle International Value Fund	Benchmark agnostic, diversified international value manager with strategic gold allocation and willingness to utilize cash when valuations are elevated across the market.	Low	5.0% to 10.0%	In growth- and momentum-led rallies, where value discipline and an allocation to cash will be headwinds, and if physical gold underperforms.
GQG International Equity	Benchmark agnostic, concentrated international quality-growth equity manager with valuation discipline and macro awareness. Willing to invest in US-listed companies.	Low	5.0% to 10.0%	In cyclical recoveries where deep value, asset-heavy, smaller cap stocks rally.

Active Manager Expectations (continued)

Manager	Strategy Description	Beta (High/Neutral/Low)	Tracking Error Range (basis points)	Environments Manager Underperforms
Emerging Markets Equity				
Artisan Developing World	Concentrated, benchmark agnostic emerging markets strategy focused on high quality companies, overlaid with top-down macro (currency) awareness.	Neutral	5.0% to 10.0%	During cyclical rallies concentrated in deeper value, smaller cap stocks.
RWC Emerging Markets	Concentrated, growth-at-a-reasonable-price emerging markets equity strategy focused on mid cap stocks.	High	6.0% to 10.0%	Narrow rallies in large cap stocks where small and mid-caps lag, periods of heightened market volatility, deep drawdowns in asset-heavy cyclicals.
Investment Grade Bonds				
Brandywine	Top-down, macro, value-oriented strategy that invests with a benchmark agnostic philosophy	Neutral	2.0% to 7.0%	
Payden & Rygel	Short-term portfolios with emphasis on sector selection and yield curve management rather than relying on duration management	Low	0.2% to 0.7%	
Wellington	Benchmark-relative, diversified strategy with emphasis on individual security analysis, with Broad Markets teams' top-down sector views taken into consideration	Neutral	1.0 to 1.5%	
Opportunistic Credit				
PIMCO Income	Global multi-sector, benchmark agnostic approach, utilizing firm's resources to identify best income ideas while staying senior in the capital structure.	Low	1.5% to 3.5%	During periods of lower quality bond rallies and volatility in interest rates and certain currencies.
GoldenTree Multi-Sector Credit	Bottom-up security selection, managing risk and adding value through credit sector rotation.	Low	2.5% to 4.5%	During initial periods of economic recovery and rapid spread tightening.

Manager Monitor

Manager	Significant Events (Yes/No)	Last Meeting w Board of Retirement	Last Meeting with MIG	Comments
Domestic Equity Assets				
BNY Mellon Newton Dynamic US Equity Fund	No	-	Feb-24	Review of strategy, and discussion on current market environment. No changes to conviction level
Champlain Small Cap	No	-	Dec-23	Review of strategy & discussion of long-term management team succession plans, no changes to conviction level
Developed Markets Equity (Non-US) Assets				
Driehaus International Small Cap Growth	No	-	Oct-23	Review of strategy, no changes to conviction level. Regarding market outlooks, team somewhat bearish on China due to geopolitical concerns.
Acadian ACWI ex US Small Cap Equity	No	-	Oct-23	Review of staffing changes at firm
First Eagle International Value Fund	No	-	Mar-23	Review of strategy, no changes to conviction level
GQG International Equity	Yes	-	Mar-24	Discussion with recent team structure changes regarding leadership turnover & non-US Equity strategies. Removing fund from Watch status.
Emerging Markets Equity Assets				
Artisan Developing World	No	-	Jun-23	Discussion around trend of increasing develop markets names exposure in portfolio. No major changes to conviction level.
RWC Emerging Markets	No	-	Oct-23	Review of strategy, no changes to conviction level.
US Fixed Income Assets				
Brandywine US Fixed Income	No	-	Jul-24	Review of strategy, no changes to conviction level
Payden & Rygel Low Duration	No	-	Aug-23	Review of strategy, no changes to conviction level
Wellington Core Bond	No	-	Mar-23	Review of strategy, no changes to conviction level
Opportunistic Credit				
PIMCO Income Fund	No	-	Dec-23	Review of Portfolio Manager changes at firm level. No concerns after review.
GoldenTree Multi-Sector Credit	No	-	Jun-24	Review of strategy & market outlook, no changes to conviction level.
Private Equity Program	N/A	N/A	N/A	Oversight by Cliffwater.
Real Assets Program	N/A	N/A	N/A	Oversight by Cliffwater.
Hedge Fund Program	N/A	N/A	N/A	Oversight by Cliffwater.

Active Manager Peer Rankings¹

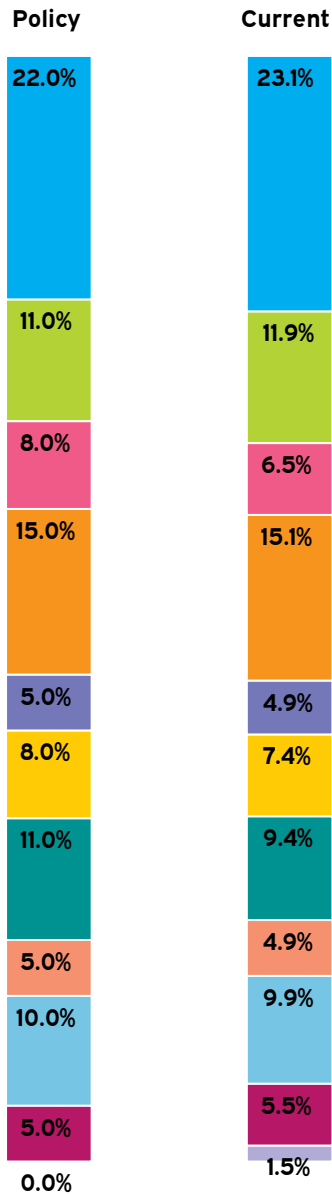
Investment Managers	Product	Peer Group	Market Value					Client Inception	Years in Portfolio
			(\$M)	1YR	3YR	5YR	10YR		
Champlain	Small Cap Fund	US Small Cap Core	30	93	89	97	57	Nov-20	3.7
Newton	Dynamic US Equity Strategy	US Large Cap Core	68	47	59	40	9	Dec-12	11.6
Acadian	All-Country World ex US Small Cap	Non-US Div Small Cap	19	30	27	8	12	May-19	51.
Driehaus	International Small Cap Growth	ACWI ex US Small Cap Growth	18	38	60	29	24	May-19	5.1
GQG	International Equity	All ACWI ex US Equity	57	2	2	3	-	Dec-19	4.6
First Eagle	International Value	EAFE Value Equity	54	83	76	86	71	Dec-19	4.6
Artisan	Developing World	Emerging Markets	53	17	94	13	-	Dec-19	4.6
RWC	Emerging Markets	Emerging Markets	27	82	94	65	50	Dec-19	4.6
Brandywine	US Fixed Income	US Fixed Income	34	99	65	4	1	Nov-22	1.7
Payden & Rygel	Low Duration	US Short Duration Gov/Cred Fixed Income	8	38	34	48	52	Nov-22	1.7
Wellington	Core Bond	US Fixed Income	50	24	78	72	63	Nov-22	1.7
PIMCO	Income Fund	Global Multi-Sector Fixed Income	12	47	20	38	5	May-19	5.1
GoldenTree	Multi-Sector Credit Strategy	Global Multi-Sector Fixed Income	27	4	5	11	-	Jun-19	5.0

¹ Source: eVestment. Ranks are greyed out for periods before Merced CERA was invested.

Performance Update

As of June 30, 2024

Total Fund | As of June 30, 2024



Allocation vs. Targets and Policy						
	Current Balance (\$)	Current Allocation (%)	Policy (%)	Difference (%)	Policy Range (%)	Within IPS Range?
US Equity	286,461,739	23.1	22.0	1.1	16.0 - 27.0	Yes
International Equity	147,220,883	11.9	11.0	0.9	6.0 - 16.0	Yes
Emerging Markets Equity	80,457,646	6.5	8.0	-1.5	4.0 - 12.0	Yes
Private Equity	186,445,590	15.1	15.0	0.1	5.0 - 20.0	Yes
Direct Lending	60,480,545	4.9	5.0	-0.1	0.0 - 10.0	Yes
Real Estate	91,618,620	7.4	8.0	-0.6	6.0 - 10.0	Yes
US Fixed Income	116,195,335	9.4	11.0	-1.6	6.0 - 16.0	Yes
Opportunistic Credit	60,937,198	4.9	5.0	-0.1	3.0 - 7.0	Yes
Hedge Funds	122,445,424	9.9	10.0	-0.1	5.0 - 15.0	Yes
Real Assets	68,320,908	5.5	5.0	0.5	3.0 - 7.0	Yes
Cash	18,015,667	1.5	0.0	1.5	0.0 - 5.0	Yes
Total	1,238,599,556	100.0	100.0	0.0		

Asset Allocation & Performance | As of June 30, 2024

	Market Value \$	% of Portfolio	QTD (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Total Fund (Net)	1,238,599,556	100.0	2.5	7.4	12.4	4.0	8.6	7.3	8.1	Jan-95
Total Fund (Gross)			2.6	7.6	12.8	4.3	9.0	7.6	8.3	Jan-95
<i>Policy Index</i>			2.5	7.7	13.2	4.8	8.5	7.4	6.4	
Total Fund w/o Alternatives (Net)	691,272,802	55.8	2.4	9.1	15.4	2.4	8.6	7.2	--	Jan-08
Total Fund w/o Alternatives (Gross)			2.5	9.3	15.9	2.8	9.0	7.6	--	Jan-08
<i>Policy Index w/o AI</i>			1.6	6.4	12.9	1.9	7.0	6.4	--	
US Equity (Net)	286,461,739	23.1	3.0	12.8	21.5	7.3	13.2	12.1	10.6	Jan-95
US Equity (Gross)			3.0	12.9	21.7	7.5	13.5	12.4	10.7	Jan-95
<i>Russell 3000</i>			3.2	13.6	23.1	8.1	14.1	11.9	10.6	
International Equity (Net)	227,678,530	18.4	2.8	10.8	16.9	-1.5	9.1	5.5	5.9	Jan-99
International Equity (Gross)			3.0	11.3	17.9	-0.7	10.0	6.2	6.3	Jan-99
<i>International Equity Custom</i>			2.2	6.7	12.6	-0.1	5.6	4.2	4.6	
Developed International Equity (Net)	147,220,883	11.9	1.6	9.7	17.3	3.7	8.6	5.1	4.8	Feb-08
Developed International Equity (Gross)			1.8	10.1	18.1	4.5	9.3	5.7	5.4	Feb-08
<i>Custom Blended Developed International Equity BM</i>			-0.2	4.8	11.5	2.0	6.3	4.3	3.6	
Emerging Markets Equity (Net)	80,457,646	6.5	4.8	12.7	16.5	-9.3	8.5	6.0	5.5	May-12
Emerging Markets Equity (Gross)			5.0	13.3	17.7	-8.4	9.5	7.0	6.5	May-12
<i>MSCI EM</i>			5.0	7.5	12.5	-5.1	3.1	3.0	3.2	
US Fixed Income (Net)	116,195,335	9.4	0.2	-0.4	3.0	-3.4	-0.5	1.2	4.3	Jan-95
US Fixed Income (Gross)			0.2	-0.3	3.2	-3.3	-0.4	1.4	4.5	Jan-95
<i>US Fixed Income Custom Benchmark</i>			0.2	-0.5	2.8	-2.7	-0.2	1.4	4.5	

Data Prior to March 2018 provided by prior consultant.

Asset Allocation & Performance | As of June 30, 2024

	Market Value \$	% of Portfolio	QTD (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Opportunistic Credit (Net)	60,937,198	4.9	1.9	4.6	10.3	4.0	5.2	--	5.4	May-19
Opportunistic Credit (Gross)			2.0	4.8	10.8	4.6	5.7	--	5.9	May-19
50% Barclays US Aggregate / 25% Barclays US High Yield / 25% Credit Suisse Lever			0.8	1.4	6.7	0.4	2.3	--	2.5	
Real Estate (Net)	91,618,620	7.4	0.1	-0.1	-0.1	2.4	2.4	4.8	6.3	Dec-10
Real Estate (Gross)			0.1	-0.1	-0.1	2.4	2.4	5.2	7.3	Apr-99
Custom Blended Real Estate Benchmark			-2.4	-7.1	-11.3	3.4	3.5	6.1	6.6	
CPI +5% (Seasonally Adjusted)			1.5	3.9	8.1	10.2	9.4	8.0	7.7	
Private Real Estate (Net)	74,324,765	6.0	0.6	0.6	-1.1	4.7	2.9	5.1	6.5	Dec-10
Private Real Estate (Gross)			0.6	0.6	-1.1	4.7	2.9	5.5	7.5	Apr-99
Custom Blended Real Estate Benchmark			-2.4	-7.1	-11.3	3.4	3.5	6.1	6.6	
Private Equity (Net)	186,445,590	15.1	4.9	7.6	11.0	14.0	17.2	13.5	10.4	Jul-05
Private Equity (Gross)			4.9	7.6	11.0	14.0	17.2	13.5	10.5	Jul-05
Custom Private Equity Benchmark			9.2	22.5	28.0	12.1	17.9	15.7	--	
Direct Lending (Net)	60,480,545	4.9	1.7	5.0	11.0	6.4	--	--	10.1	Jul-20
Direct Lending (Gross)			1.7	5.0	11.0	6.4	--	--	10.1	Jul-20
S&P LSTA Leveraged Loan +2%			2.4	5.4	13.3	8.3	7.6	6.7	9.6	
Hedge Fund (Net)	122,445,424	9.9	1.0	4.5	8.1	3.7	5.2	4.6	4.6	Jul-14
Hedge Fund (Gross)			1.3	5.3	9.6	4.8	6.2	5.2	5.2	Jul-14
Custom Blended Hedge Fund Benchmark			0.6	4.8	8.7	2.1	4.8	3.8	3.8	
Real Assets (Net)	68,320,908	5.5	4.0	7.8	13.0	13.3	11.7	9.7	9.9	Dec-10
Real Assets (Gross)			4.0	7.8	13.0	13.4	11.9	10.1	10.4	Dec-10
Custom Blended Real Assets Benchmark			0.4	2.2	7.6	6.6	5.0	6.6	--	
CPI +5% (Seasonally Adjusted)			1.5	3.9	8.1	10.2	9.4	8.0	7.8	

Real Assets includes State Street Real Assets NL Fund.

Asset Allocation & Performance | As of June 30, 2024

	Market Value \$	% of Portfolio	QTD (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Private Infrastructure (Net)	33,496,741	2.7	0.9	5.7	9.3	10.2	12.5	--	10.1	Jan-15
Private Infrastructure (Gross)			0.9	5.7	9.3	10.3	12.6	--	10.1	Jan-15
<i>S&P Global Infrastructure</i>			<i>2.7</i>	<i>4.0</i>	<i>7.0</i>	<i>5.6</i>	<i>4.3</i>	<i>4.6</i>	<i>5.1</i>	
Private Natural Resources (Net)	30,337,069	2.4	8.1	11.0	19.4	25.9	15.5	--	16.3	Oct-15
Private Natural Resources (Gross)			8.1	11.0	19.4	25.9	15.5	--	16.3	Oct-15
<i>S&P Global Natural Resources Sector Index (TR)</i>			<i>-1.8</i>	<i>0.4</i>	<i>7.8</i>	<i>6.3</i>	<i>8.4</i>	<i>4.5</i>	<i>10.7</i>	
Cash (Net)	18,015,667	1.5	1.0	2.1	4.2	2.0	1.5	--	--	Dec-10
Cash (Gross)			1.0	2.1	4.2	2.0	1.5	--	--	Dec-10

Asset Allocation & Performance | As of June 30, 2024

	Market Value \$	% of Portfolio	QTD (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Total Fund	1,238,599,556	100.0	2.5	7.4	12.4	4.0	8.6	7.3	8.1	Jan-95
<i>Policy Index</i>			<i>2.5</i>	<i>7.7</i>	<i>13.2</i>	<i>4.8</i>	<i>8.5</i>	<i>7.4</i>	<i>6.4</i>	
Total Fund w/o Alternatives	691,272,802	55.8	2.4	9.1	15.4	2.4	8.6	7.2	--	Jan-08
<i>Policy Index w/o AI</i>			<i>1.6</i>	<i>6.4</i>	<i>12.9</i>	<i>1.9</i>	<i>7.0</i>	<i>6.4</i>	<i>--</i>	
US Equity	286,461,739	23.1	3.0	12.8	21.5	7.3	13.2	12.1	10.6	Jan-95
<i>Russell 3000</i>			<i>3.2</i>	<i>13.6</i>	<i>23.1</i>	<i>8.1</i>	<i>14.1</i>	<i>11.9</i>	<i>10.6</i>	
BNY Mellon Newton Dynamic US Equity	67,552,046	5.5	4.0	14.8	23.2	7.9	14.4	13.8	16.0	Jan-13
<i>S&P 500 Index</i>			<i>4.3</i>	<i>15.3</i>	<i>24.6</i>	<i>10.0</i>	<i>15.0</i>	<i>12.9</i>	<i>14.5</i>	
BNY Mellon Large Cap	189,143,844	15.3	3.6	14.3	23.9	8.7	14.6	--	14.3	Apr-16
<i>Russell 1000 Index</i>			<i>3.6</i>	<i>14.2</i>	<i>23.9</i>	<i>8.7</i>	<i>14.6</i>	<i>12.5</i>	<i>14.3</i>	
Champlain Small Cap	29,765,848	2.4	-2.6	0.3	4.0	-2.2	--	--	6.9	Nov-20
<i>Russell 2000 Index</i>			<i>-3.3</i>	<i>1.7</i>	<i>10.1</i>	<i>-2.6</i>	<i>6.9</i>	<i>7.0</i>	<i>9.6</i>	
International Equity	227,678,530	18.4	2.8	10.8	16.9	-1.5	9.1	5.5	5.9	Jan-99
<i>International Equity Custom</i>			<i>2.2</i>	<i>6.7</i>	<i>12.6</i>	<i>-0.1</i>	<i>5.6</i>	<i>4.2</i>	<i>4.6</i>	
Developed International Equity	147,220,883	11.9	1.6	9.7	17.3	3.7	8.6	5.1	4.8	Feb-08
<i>Custom Blended Developed International Equity BM</i>			<i>-0.2</i>	<i>4.8</i>	<i>11.5</i>	<i>2.0</i>	<i>6.3</i>	<i>4.3</i>	<i>3.6</i>	
Acadian ACWI ex U.S. Small Cap Equity	18,841,105	1.5	2.8	8.4	16.8	1.6	10.3	--	9.9	May-19
<i>MSCI AC World ex USA Small Cap (Net)</i>			<i>0.7</i>	<i>2.8</i>	<i>11.3</i>	<i>-1.4</i>	<i>6.1</i>	<i>4.4</i>	<i>5.7</i>	
Driehaus International Small Cap Growth	17,994,203	1.5	-1.8	5.8	12.8	-3.2	8.2	--	8.4	May-19
<i>MSCI AC World ex USA Small Growth Index (Net)</i>			<i>0.7</i>	<i>2.5</i>	<i>8.8</i>	<i>-4.4</i>	<i>5.5</i>	<i>4.5</i>	<i>5.2</i>	
GQG International Equity	56,510,186	4.6	3.0	16.6	29.2	8.2	--	--	11.3	Dec-19
<i>MSCI AC World ex USA (Net)</i>			<i>1.0</i>	<i>5.7</i>	<i>11.6</i>	<i>0.5</i>	<i>5.5</i>	<i>3.8</i>	<i>5.5</i>	

Historical returns for the US Equity Composite prior to January 2012 and for the International Equity Composite prior to December 2010 are gross only.

Asset Allocation & Performance | As of June 30, 2024

	Market Value \$	% of Portfolio	QTD (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
First Eagle International Value Fund <i>MSCI EAFE (Net)</i>	53,875,390	4.3	0.8 -0.4	4.1 5.3	7.0 11.5	1.8 2.9	-- 6.5	-- 4.3	4.0 6.2	Dec-19
Emerging Markets Equity <i>MSCI EM</i>	80,457,646	6.5	4.8 5.0	12.7 7.5	16.5 12.5	-9.3 -5.1	8.5 3.1	6.0 3.0	5.5 3.2	May-12
Artisan Developing World TR <i>MSCI Emerging Markets (Net)</i>	53,497,422	4.3	5.3 5.0	16.9 7.5	21.3 12.5	-9.0 -5.1	-- 3.1	-- 2.8	8.6 3.5	Dec-19
RWC <i>MSCI Emerging Markets (Net)</i>	26,960,224	2.2	3.9 5.0	3.6 7.5	6.1 12.5	-9.6 -5.1	-- 3.1	-- 2.8	1.4 3.5	Dec-19
US Fixed Income <i>US Fixed Income Custom Benchmark</i>	116,195,335	9.4	0.2 0.2	-0.4 -0.5	3.0 2.8	-3.4 -2.7	-0.5 -0.2	1.2 1.4	4.3 4.5	Jan-95
Vanguard Short-Term Treasury Index Fund <i>Bloomberg U.S. Government 1-3 Year Index</i>	6,797,672	0.5	0.9 0.9	1.2 1.2	4.5 4.5	0.3 0.3	1.0 1.0	-- 1.1	1.5 1.5	Mar-18
Vanguard Total Bond Market Index Fund <i>Blmbg. U.S. Aggregate Index</i>	17,658,640	1.4	0.2 0.1	-0.6 -0.7	2.8 2.6	-3.0 -3.0	-0.2 -0.2	-- 1.3	0.4 0.4	May-19
Payden & Rygel Low Duration Fund <i>Blmbg. U.S. Treasury: 1-3 Year</i>	8,206,548	0.7	1.2 0.9	2.0 1.2	5.9 4.5	-- 0.3	-- 1.0	-- 1.1	6.2 3.8	Nov-22
Brandywine US Fixed Income <i>Blmbg. U.S. Aggregate Index</i>	33,529,877	2.7	-0.5 0.1	-2.2 -0.7	0.4 2.6	-- -3.0	-- -0.2	-- 1.3	0.4 4.8	Nov-22
Wellington Core Bond <i>Blmbg. U.S. Aggregate Index</i>	50,002,598	4.0	0.4 0.1	0.2 -0.7	4.2 2.6	-- -3.0	-- -0.2	-- 1.3	4.4 4.8	Nov-22

Developed International Equity and Emerging Markets Equity composites were only reported as one composite prior to March 2018.

Asset Allocation & Performance | As of June 30, 2024

	Market Value \$	% of Portfolio	QTD (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Opportunistic Credit	60,937,198	4.9	1.9	4.6	10.3	4.0	5.2	--	5.4	May-19
<i>50% Barclays US Aggregate / 25% Barclays US High Yield / 25% Credit Suisse Lever</i>			<i>0.8</i>	<i>1.4</i>	<i>6.7</i>	<i>0.4</i>	<i>2.3</i>	<i>--</i>	<i>2.5</i>	
PIMCO Income Fund	11,846,623	1.0	0.4	1.8	7.2	1.1	2.7	--	2.9	May-19
<i>Blmbg. U.S. Aggregate Index</i>			<i>0.1</i>	<i>-0.7</i>	<i>2.6</i>	<i>-3.0</i>	<i>-0.2</i>	<i>1.3</i>	<i>0.4</i>	
GoldenTree Multi-Sector Credit	27,227,789	2.2	2.2	5.6	13.2	4.7	5.6	--	5.8	Jun-19
<i>50% BBg US High Yield TR/50% Credit Suisse Leveraged Loans</i>			<i>1.5</i>	<i>3.5</i>	<i>10.8</i>	<i>3.8</i>	<i>4.7</i>	<i>4.5</i>	<i>4.9</i>	
OWS Credit Opportunity Fund LP	21,862,786	1.8	2.3	5.1	--	--	--	--	7.4	Oct-23
<i>50% BBg US High Yield TR/50% Credit Suisse Leveraged Loans</i>			<i>1.5</i>	<i>3.5</i>	<i>10.8</i>	<i>3.8</i>	<i>4.7</i>	<i>4.5</i>	<i>8.7</i>	
Real Estate	91,618,620	7.4	0.1	-0.1	-0.1	2.4	2.4	4.8	6.3	Dec-10
<i>Custom Blended Real Estate Benchmark</i>			<i>-2.4</i>	<i>-7.1</i>	<i>-11.3</i>	<i>3.4</i>	<i>3.5</i>	<i>6.1</i>	<i>8.0</i>	
<i>CPI +5% (Seasonally Adjusted)</i>			<i>1.5</i>	<i>3.9</i>	<i>8.1</i>	<i>10.2</i>	<i>9.4</i>	<i>8.0</i>	<i>7.8</i>	
Vanguard REIT Index	17,293,855	1.4	-1.9	-3.0	4.8	-2.5	--	--	4.8	Sep-20
<i>Spliced Vanguard REIT Benchmark</i>			<i>-1.9</i>	<i>-3.0</i>	<i>4.9</i>	<i>-2.4</i>	<i>3.1</i>	<i>5.4</i>	<i>4.9</i>	
Private Real Estate	74,324,765	6.0	0.6	0.6	-1.1	4.7	2.9	5.1	6.5	Dec-10
<i>Custom Blended Real Estate Benchmark</i>			<i>-2.4</i>	<i>-7.1</i>	<i>-11.3</i>	<i>3.4</i>	<i>3.5</i>	<i>6.1</i>	<i>8.0</i>	
Greenfield Gap VII	676,443	0.1	-1.8	-12.5	-7.8	12.8	14.0	--	13.3	Jan-15
Patron Capital V	4,906,127	0.4	-10.9	0.0	-13.2	-12.8	-9.2	--	-0.5	Feb-16
UBS Trumbull Property	20,953,224	1.7	-3.3	-7.2	-11.9	0.2	-1.2	2.8	5.5	Apr-99
Carlyle Realty VIII	2,377,831	0.2	-0.5	-4.3	-1.5	35.9	27.6	--	8.8	Jan-18
Taconic CRE Dislocation Fund II	3,235,652	0.3	0.0	-2.0	0.7	8.3	9.2	--	8.1	Nov-18
Carmel Partners Investment Fund VII	4,781,205	0.4	3.5	9.2	10.5	5.7	-13.1	--	-16.2	Apr-19

Sculptor market value reflects holdback from June liquidation.

All private markets performance and market values reflect a 12/31/2023 capital account balance unless otherwise noted.

Private Real Estate results prior to 1/1/2019 were included in the Real Assets composite. All results for the Private Real Estate composite that include the period prior to 1/1/2019 will reflect only the latest lineup of managers that Meketa received information for, therefore it may not reflect the entire Private Real Estate composite at that given time.

Asset Allocation & Performance | As of June 30, 2024

	Market Value \$	% of Portfolio	QTD (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
AG Realty Value Fund X, L.P.	3,306,974	0.3	-1.3	-3.7	-6.5	8.3	3.9	--	3.8	Jun-19
Rockpoint Real Estate Fund VI, L.P.	4,654,854	0.4	2.2	-2.5	-4.5	9.2	--	--	7.5	May-20
Cerberus Real Estate Debt Fund, L.P.	4,986,913	0.4	1.1	2.8	10.5	5.8	--	--	10.3	Jul-20
Taconic CRE Dislocation Onshore Fund III	7,783,315	0.6	2.0	4.9	10.8	8.4	--	--	8.1	Jun-21
Starwood Distressed Opportunity Fund XII Global	4,442,900	0.4	3.0	10.7	6.8	54.0	--	--	82.5	Jun-21
Carlyle Realty Partners IX	2,849,723	0.2	26.3	15.5	20.6	--	--	--	-165.2	Dec-21
Carmel Partners Investment Fund VIII	6,121,025	0.5	10.4	14.4	21.9	--	--	--	1.3	Apr-22
Rockpoint Real Estate Fund VII L.P.	3,248,579	0.3	1.9	3.0	2.1	--	--	--	8.1	Aug-22
Private Equity	186,445,590	15.1	4.9	7.6	11.0	14.0	17.2	13.5	10.4	Jul-05
<i>Custom Private Equity Benchmark</i>			<i>9.2</i>	<i>22.5</i>	<i>28.0</i>	<i>12.1</i>	<i>17.9</i>	<i>15.7</i>	<i>--</i>	
Taconic Credit Dislocation Fund IV L.P.	3,460,758	0.3	6.4	10.2	16.6	--	--	--	16.6	Jul-23
Khosla Ventures Seed F, L.P.	630,634	0.1	14.0	10.6	5.4	--	--	--	5.4	Jul-23
Adams Street	3,393,143	0.3	-4.8	-3.4	-7.1	-3.4	7.7	10.1	7.4	Oct-05
Invesco VI	368,007	0.0	-15.9	-22.9	-30.6	-13.1	9.8	15.3	10.9	Jul-13
Ocean Avenue II	5,577,155	0.5	-15.7	-12.8	-18.9	8.8	22.8	17.5	17.5	Jul-14
Pantheon I	57,307	0.0	-8.7	-7.0	-8.5	-15.9	-15.3	-5.9	-1.9	Jan-06
Pantheon II	2,458,447	0.2	-2.4	-0.5	-2.6	-0.9	10.1	11.2	11.3	Jan-12
Pantheon Secondary	108,027	0.0	-0.4	-0.9	-2.3	-8.8	-8.0	-2.3	0.4	Jul-07
Davidson Kempner Long-Term Distressed Opportunities Fund IV	2,667,114	0.2	1.2	4.4	11.5	28.3	19.0	--	17.9	Apr-18

Pantheon I includes Pantheon US Fund VI and Pantheon Europe Fund IV. Pantheon Europe Fund IV is adjusting from the 12/31/2022 NAV.

Pantheon II includes Pantheon US Fund IX, Pantheon Asia Fund VI, and Pantheon Europe Fund VII.

Pantheon Secondary includes Pantheon GLO SEC III B.

Adams Street includes Adams street 2005, Adams Street 2007, and Adams Street 2011.

Asset Allocation & Performance | As of June 30, 2024

	Market Value \$	% of Portfolio	QTD (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
GTCR Fund XII	5,770,131	0.5	2.2	2.2	8.5	15.6	25.8	--	14.4	Jun-18
Carrick Capital Partners III	4,970,159	0.4	-1.2	1.5	8.5	12.7	16.5	--	10.8	Aug-18
Cressey & Company Fund VI	5,019,159	0.4	-1.4	-4.3	-5.7	11.2	17.6	--	12.4	Jan-19
TCV X	7,115,797	0.6	11.1	15.7	21.4	9.8	19.3	--	18.3	Apr-19
Accel-KKR Growth Capital Partners III	5,299,200	0.4	5.1	7.1	-3.9	12.4	7.4	--	7.4	Jul-19
Genstar Capital Partners IX	9,853,666	0.8	-0.5	3.0	11.7	25.0	--	--	24.0	Aug-19
Cortec Group Fund VII	9,105,448	0.7	-0.3	3.6	8.0	21.3	--	--	23.2	Dec-19
Spark Capital Growth Fund III	8,447,769	0.7	-0.4	-2.3	-3.8	13.2	--	--	12.1	Mar-20
Spark Capital VI	3,717,412	0.3	-1.0	2.3	43.5	15.6	--	--	6.4	Mar-20
Summit Partners Growth Equity Fund X-A	9,090,048	0.7	0.0	5.0	8.5	12.8	--	--	7.1	Mar-20
Taconic Market Dislocation Fund III L.P.	4,220,515	0.3	-19.4	-14.6	-8.9	2.9	--	--	7.9	Jul-20
Marlin Heritage Europe II, L.P.	7,997,290	0.6	0.4	5.1	4.0	1.8	--	--	0.9	Oct-20
Khosla Ventures VII	6,931,624	0.6	18.1	25.3	33.8	17.3	--	--	13.0	Jan-21
Accel-KKR Capital Partners VI	4,821,009	0.4	3.6	3.6	3.6	15.3	--	--	-3.1	Feb-21
Khosla Ventures Seed E	2,331,327	0.2	0.1	1.7	9.7	119.2	--	--	92.6	Feb-21
TCV XI	6,035,022	0.5	17.0	18.5	12.6	1.6	--	--	-0.2	Feb-21
Thoma Bravo Discover Fund III	9,637,354	0.8	4.4	10.4	14.9	7.8	--	--	9.1	Jun-21
Summit Partners Venture Capital Fund V-A	4,175,048	0.3	8.3	14.0	18.0	1.5	--	--	0.8	May-21

Asset Allocation & Performance | As of June 30, 2024

	Market Value \$	% of Portfolio	QTD (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
GTCR Fund XIII/A & B	6,588,299	0.5	22.6	27.7	34.6	45.0	--	--	78.4	Jun-21
Genstar Capital Partners X	7,858,562	0.6	2.0	0.5	0.4	--	--	--	4.4	Oct-21
Nautic Partners X	6,100,614	0.5	16.8	20.8	36.1	--	--	--	13.6	Jan-22
Spark Capital Growth Fund IV	4,826,809	0.4	26.4	24.6	19.5	--	--	--	19.9	Jan-22
Spark Capital VII	2,418,335	0.2	18.8	19.8	15.9	--	--	--	1.4	Feb-22
TCV Velocity Fund I	4,666,683	0.4	16.2	21.7	96.9	--	--	--	8.8	Feb-22
Accel-KKR Growth Capital Partners IV	2,707,818	0.2	18.3	19.3	20.2	--	--	--	-5.3	Apr-22
Summit Partners Growth Equity Fund XI-A	2,671,808	0.2	7.9	12.5	17.3	--	--	--	-29.6	Apr-22
GTCR Strategic Growth Fund I/A&B LP	2,793,377	0.2	23.3	21.5	29.2	--	--	--	-19.9	Jul-22
Threshold Ventures IV LP	2,053,281	0.2	42.4	44.2	32.9	--	--	--	0.4	Aug-22
Thoma Bravo Discovery Fund IV	5,291,941	0.4	6.2	9.7	14.3	--	--	--	15.7	Jan-23
Marlin Heritage III	1,939,540	0.2	2.7	7.2	2.1	--	--	--	-69.2	Jan-23
Cortec Group Fund VIII, L.P.	759,156	0.1	-9.6	-11.5	-23.8	--	--	--	-20.3	Apr-23
Khosla Ventures VIII	2,470,072	0.2	50.9	45.8	--	--	--	--	43.0	Sep-23
Ares Capital Europe VI (D) Levered, L.P.	5,741,937	0.5	17.4	18.9	--	--	--	--	26.6	Nov-23
Genstar Capital Partners XI	82,549	0.0	92.3	-31.3	--	--	--	--	-31.3	Nov-23
GTCR XIV/A & B LP	-9,451	0.0								
Summit Partners Europe Growth Equity Fund IV, SCSp	-32,372	0.0								

Asset Allocation & Performance | As of June 30, 2024

	Market Value \$	% of Portfolio	QTD (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Direct Lending	60,480,545	4.9	1.7	5.0	11.0	6.4	--	--	10.1	Jul-20
<i>S&P LSTA Leveraged Loan +2%</i>			<i>2.4</i>	<i>5.4</i>	<i>13.3</i>	<i>8.3</i>	<i>7.6</i>	<i>6.7</i>	<i>9.6</i>	
Silver Point Specialty Credit Fund II, L.P.	6,607,892	0.5	2.8	5.6	11.4	6.9	--	--	10.5	Jul-20
Ares Senior Direct Lending Fund II	13,670,249	1.1	3.9	7.7	17.1	--	--	--	12.0	Jan-22
Varagon Capital Direct Lending Fund	13,027,614	1.1	-0.3	3.2	8.3	--	--	--	3.2	Jan-22
AG Direct Lending Fund IV Annex	9,209,223	0.7	0.0	2.9	8.5	--	--	--	8.3	May-22
AG Direct Lending Fund V	3,916,630	0.3	-7.2	-6.7	-3.1	--	--	--	2.2	Aug-22
Accel-KKR Credit Partners II LP	2,223,997	0.2	2.1	4.3	11.6	--	--	--	32.4	Mar-23
Silver Point Specialty Credit Fund III	6,022,098	0.5	-3.3	2.5	4.1	--	--	--	1.7	Mar-23
Ares Senior Direct Lending Fund III	60,904	0.0								
Hedge Fund	122,445,424	9.9	1.0	4.5	8.1	3.7	5.2	4.6	4.6	Jul-14
<i>Custom Blended Hedge Fund Benchmark</i>			<i>0.6</i>	<i>4.8</i>	<i>8.7</i>	<i>2.1</i>	<i>4.8</i>	<i>3.8</i>	<i>3.8</i>	
Hudson Bay Fund	16,103,747	1.3	1.7	4.1	7.1	--	--	--	6.8	Jun-23
Graham Absolute Return	10,873,744	0.9	0.7	6.6	12.0	8.4	5.6	--	5.2	Sep-17
Wellington-Archipelago	18,161,035	1.5	3.2	10.8	15.4	8.3	7.6	--	6.9	Sep-17
Marshall Wace Eureka	5,029,619	0.4	1.6	8.9	10.2	5.6	7.2	--	6.4	Dec-17
Silver Point Capital	20,510,878	1.7	3.1	6.7	8.7	6.8	10.3	--	8.3	Dec-17
Laurion Capital	13,456,304	1.1	-4.4	-4.5	-1.0	-6.0	7.0	--	7.5	Aug-18
Taconic Opportunity Fund	14,533,922	1.2	-0.2	1.7	4.7	1.2	2.8	--	3.2	Jan-19

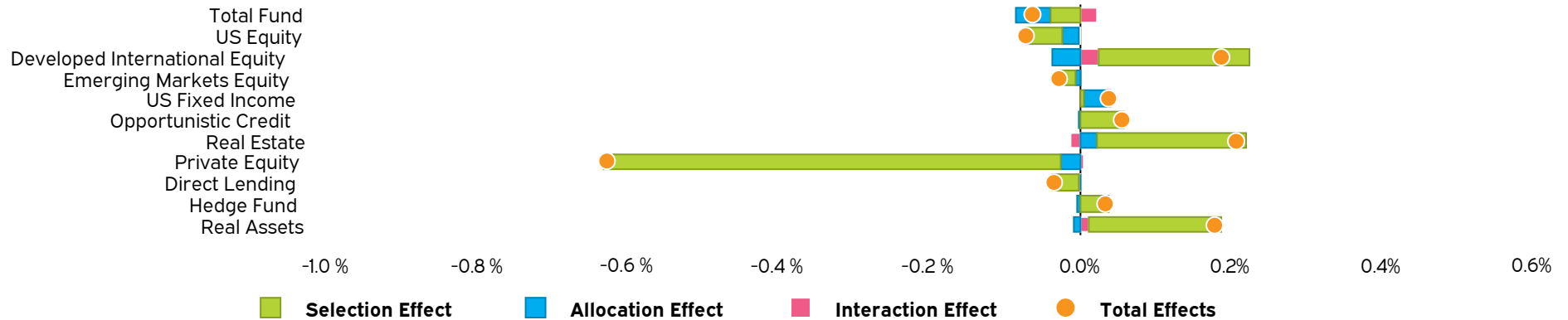
Asset Allocation & Performance | As of June 30, 2024

	Market Value \$	% of Portfolio	QTD (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Marshall Wace Global Opportunities	11,877,075	1.0	1.5	7.0	9.5	6.6	--	--	6.3	May-20
Caxton Global Investments	11,899,099	1.0	0.5	1.4	8.2	6.4	--	--	5.0	May-21
Real Assets	68,320,908	5.5	4.0	7.8	13.0	13.3	11.7	9.7	9.9	Dec-10
<i>Custom Blended Real Assets Benchmark</i>			<i>0.4</i>	<i>2.2</i>	<i>7.6</i>	<i>6.6</i>	<i>5.0</i>	<i>6.6</i>	<i>--</i>	
SSgA	4,487,098	0.4	1.4	2.4	5.0	4.0	6.0	--	5.5	May-17
<i>Real Asset NL Custom Blended Index</i>			<i>1.4</i>	<i>2.3</i>	<i>5.5</i>	<i>3.8</i>	<i>6.0</i>	<i>--</i>	<i>5.6</i>	
Private Infrastructure	33,496,741	2.7	0.9	5.7	9.3	10.2	12.5	--	10.1	Jan-15
<i>S&P Global Infrastructure</i>			<i>2.7</i>	<i>4.0</i>	<i>7.0</i>	<i>5.6</i>	<i>4.3</i>	<i>4.6</i>	<i>5.1</i>	
KKR Global II	3,580,197	0.3	3.3	10.7	15.4	14.0	23.4	--	17.1	Jan-15
North Haven Infrastructure II	2,518,956	0.2	-4.0	-3.8	-5.8	7.8	6.1	--	6.8	Jun-15
ISQ Global Infrastructure Fund II	5,680,768	0.5	1.9	4.9	8.1	10.9	11.9	--	4.8	Jul-18
KKR Global Infrastructure Investors III	4,913,501	0.4	2.1	12.1	19.6	6.6	5.0	--	1.4	Jan-19
Ardian Infrastructure Fund V	4,422,458	0.4	-0.1	5.2	8.8	11.3	--	--	-5.6	Nov-19
ISQ Global Infrastructure Fund III	3,076,039	0.2	17.7	26.0	30.3	-451.9	--	--	-440.2	Jun-21
KKR Global Infrastructure Investors IV	5,408,436	0.4	2.4	6.3	13.5	--	--	--	-218.8	Sep-21
BlackRock Global Infrastructure Fund IV	2,918,836	0.2	-15.3	-11.8	-13.1	--	--	--	-15.8	Dec-22
Ardian Infrastructure Fund VI	977,550	0.1	3.8	-1.6	--	--	--	--	-1.6	Dec-23

Asset Allocation & Performance | As of June 30, 2024

	Market Value \$	% of Portfolio	QTD (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Private Natural Resources	30,337,069	2.4	8.1	11.0	19.4	25.9	15.5	--	16.3	Oct-15
<i>S&P Global Natural Resources Sector Index (TR)</i>			<i>-1.8</i>	<i>0.4</i>	<i>7.8</i>	<i>6.3</i>	<i>8.4</i>	<i>4.5</i>	<i>10.7</i>	
EnCap Flatrock Midstream Fund V	2,945,868	0.2	0.5	-0.7	-5.5	--	--	--	-5.1	Jun-23
EnCap XI	5,276,353	0.4	9.1	7.5	27.0	36.5	10.3	--	-3.3	Aug-17
EnCap IV	1,743,100	0.1	0.4	2.0	5.0	49.1	29.1	--	21.5	Mar-18
GSO Energy Opportunities	253,359	0.0	-35.9	-15.9	-2.9	26.7	16.1	--	16.4	Dec-15
Taurus Mining	322,297	0.0	-2.7	2.9	-0.9	55.0	26.8	--	23.0	Oct-15
Taurus Mining Annex	159,142	0.0	-9.5	-4.9	-9.6	17.1	15.9	--	20.3	Feb-17
BlackRock Global Energy and Power Infrastructure Fund III LP	4,042,167	0.3	-5.9	-5.6	-2.9	5.4	--	--	10.7	Aug-19
Tailwater Energy Fund IV, LP	4,422,951	0.4	0.3	9.8	10.3	26.0	--	--	7.6	Oct-19
Carnelian Energy Capital IV	5,066,991	0.4	10.4	10.6	25.5	--	--	--	6.8	May-22
EnCap Energy Capital Fund XII	5,163,295	0.4	50.3	62.6	--	--	--	--	86.0	Aug-23
Carnelian Energy Capital V, L.P	941,546	0.1								
Cash	18,015,667	1.5	1.0	2.1	4.2	2.0	1.5	--	--	Dec-10
Cash	16,289,930	1.3	1.3	2.7	5.0	2.3	1.7	1.3	-1.1	Dec-10
Treasury Cash	1,725,737	0.1	0.0	0.0	0.0	0.0	0.0	--	0.1	Sep-17

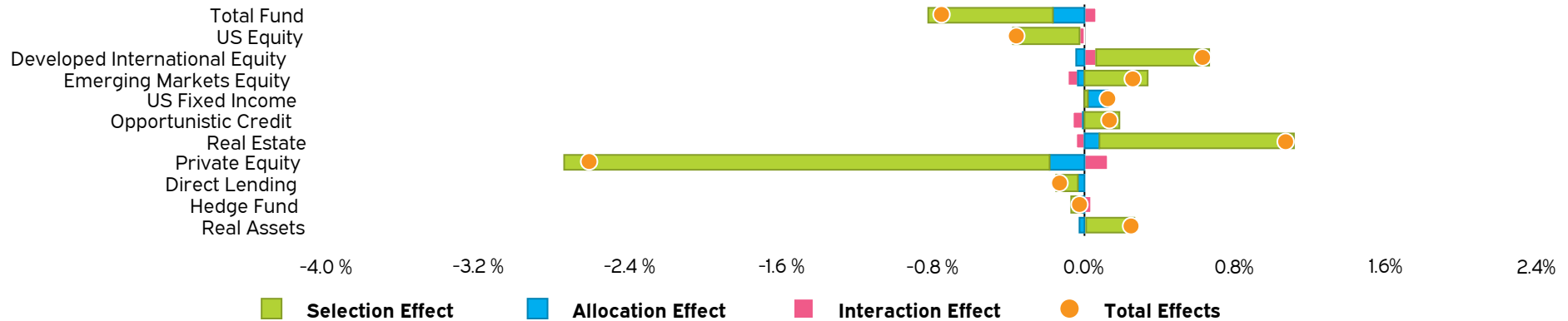
Attribution Effects 3 Months Ending June 30, 2024



Attribution Summary 3 Months Ending June 30, 2024

	Wtd. Actual Return (%)	Wtd. Index Return (%)	Excess Return (%)	Selection Effect (%)	Allocation Effect (%)	Interaction (%)	Total Effect (%)
US Equity	3.0	3.2	-0.2	0.0	0.0	0.0	-0.1
Developed International Equity	1.6	-0.2	1.8	0.2	0.0	0.0	0.2
Emerging Markets Equity	4.8	5.0	-0.2	0.0	0.0	0.0	0.0
US Fixed Income	0.2	0.2	0.0	0.0	0.0	0.0	0.0
Opportunistic Credit	1.9	0.8	1.1	0.1	0.0	0.0	0.1
Real Estate	0.1	-2.4	2.5	0.2	0.0	0.0	0.2
Private Equity	4.9	9.2	-4.2	-0.6	0.0	0.0	-0.6
Direct Lending	1.7	2.4	-0.7	0.0	0.0	0.0	0.0
Hedge Fund	1.0	0.6	0.4	0.0	0.0	0.0	0.0
Real Assets	4.0	0.4	3.6	0.2	0.0	0.0	0.2
Total Fund	2.5	2.5	-0.1	0.0	0.0	0.0	-0.1

Attribution Effects 1 Year Ending June 30, 2024



Attribution Summary 1 Year Ending June 30, 2024

	Wtd. Actual Return (%)	Wtd. Index Return (%)	Excess Return (%)	Selection Effect (%)	Allocation Effect (%)	Interaction (%)	Total Effect (%)
US Equity	21.5	23.1	-1.7	-0.3	0.0	0.0	-0.4
Developed International Equity	17.3	11.5	5.8	0.6	0.0	0.1	0.6
Emerging Markets Equity	16.5	12.5	4.0	0.3	0.0	-0.1	0.3
US Fixed Income	3.0	2.8	0.2	0.0	0.1	0.0	0.1
Opportunistic Credit	10.3	6.7	3.7	0.2	0.0	-0.1	0.1
Real Estate	-0.1	-11.3	11.2	1.0	0.1	0.0	1.1
Private Equity	11.0	28.0	-17.0	-2.6	-0.2	0.1	-2.6
Direct Lending	11.0	13.3	-2.4	-0.1	0.0	0.0	-0.1
Hedge Fund	8.1	8.7	-0.6	0.0	0.0	0.0	0.0
Real Assets	13.0	7.6	5.4	0.3	0.0	0.0	0.2
Total Fund	12.4	13.2	-0.8	-0.6	-0.2	0.1	-0.8

Benchmark History

From Date	To Date	Benchmark
Total Fund		
01/01/2022	Present	22.0% Russell 3000, 11.0% Custom Blended Developed International Equity BM, 8.0% MSCI EM, 11.0% US Fixed Income Custom Benchmark, 10.0% Custom Blended Hedge Fund Benchmark, 15.0% Custom Private Equity Benchmark, 5.0% S&P LSTA Leveraged Loan +2%, 5.0% Custom Blended Real Assets Benchmark, 8.0% Custom Blended Real Estate Benchmark, 5.0% 50% Barclays US Aggregate / 25% Barclays US High Yield / 25% Credit Suisse Lever
01/01/2020	01/01/2022	21.0% Russell 3000, 10.0% Custom Blended Developed International Equity BM, 8.0% MSCI EM, 18.0% BBgBarc US Aggregate TR, 10.0% Custom Blended Hedge Fund Benchmark, 15.0% Custom Private Equity Benchmark, 5.0% Custom Blended Real Assets Benchmark, 8.0% Custom Blended Real Estate Benchmark, 5.0% 50% Barclays US Aggregate / 25% Barclays US High Yield / 25% Credit Suisse Lever
07/01/2019	01/01/2020	21.0% US Equity Custom, 18.0% International Equity Custom, 18.0% US Fixed Custom, 10.0% Custom Blended Hedge Fund Benchmark, 15.0% Thomson Reuters Cambridge Private Equity Index, 5.0% Real Asset Custom, 8.0% NCREIF ODCE (Net), 5.0% 50% Barclays US Aggregate / 25% Barclays US High Yield / 25% Credit Suisse Lever
01/01/2019	07/01/2019	21.0% US Equity Custom, 23.0% US Fixed Custom, 18.0% International Equity Custom, 10.0% Custom Blended Hedge Fund Benchmark, 15.0% Thomson Reuters Cambridge Private Equity Index, 5.0% Real Asset Custom, 8.0% NCREIF ODCE (Net)
01/01/2017	01/01/2019	27.0% US Equity Custom, 22.0% US Fixed Custom, 23.0% International Equity Custom, 5.0% Custom Blended Hedge Fund Benchmark, 9.0% Thomson Reuters Cambridge Private Equity Index, 14.0% Real Asset Custom
07/01/2014	01/01/2017	22.7% Russell 1000 Index, 5.7% Russell 2000 Index, 23.6% International Equity Custom, 28.5% US Fixed Custom, 4.5% Custom Blended Hedge Fund Benchmark, 8.0% NCREIF ODCE (Net), 7.0% Thomson Reuters Cambridge Private Equity Index
US Equity		
01/01/2020	Present	100.0% Russell 3000 Index
12/31/1994	01/01/2020	100.0% Russell 3000
International Equity		
01/01/2019	Present	56.0% MSCI EAFE Index, 44.0% MSCI Emerging Markets Index
01/01/2017	01/01/2019	69.6% MSCI EAFE Index, 30.4% MSCI Emerging Markets Index
07/01/2013	01/01/2017	100.0% MSCI AC World ex USA index
US Fixed Income		
12/01/1994	Present	10.0% Blmbg. U.S. Treasury: 1-3 Year, 90.0% BBgBarc US Aggregate TR

Benchmark History | As of June 30, 2024

From Date	To Date	Benchmark
Hedge Fund		
07/01/2017	Present	100.0% HFRI Fund of Funds Composite Index
01/01/2015	07/01/2017	50.0% HFRI Fund of Funds Composite Index, 50.0% HFRI RV: Multi-Strategy Index
Real Assets		
01/01/2022	Present	50.0% S&P Global Infrastructure, 50.0% S&P Global Natural Resources Sector Index (TR)
01/01/2020	01/01/2022	50.0% Cambridge Energy Upstream & Royalties & Private Energy (1 Quarter Lagged), 50.0% Cambridge Infrastructure (1 Quarter Lagged)
03/01/1999	01/01/2020	100.0% Real Asset Custom
SSgA		
04/01/2017	Present	10.0% S&P Global Infrastructure, 15.0% Dow Jones U.S. Select RESI, 25.0% Bloomberg Roll Select Commodity TR Index, 25.0% S&P Global LargeMidcap Resources & Commodities Ind, 25.0% Blmbg. U.S. TIPS Index
Private Real Estate		
01/01/2020	Present	100.0% NCREIF ODCE 1Q Lagged
03/01/1999	01/01/2020	100.0% NCREIF Fund Index-Open End Diversified Core Equity (VW) (Net)
Private Equity		
01/01/2022	Present	100.0% Custom PE BM (Jan 2022 -) 1Q Lag
01/01/2020	01/01/2022	100.0% Cambridge Global Private Equity & VC (1 Quarter Lagged)
12/31/1994	01/01/2020	100.0% Thomson Reuters Cambridge Private Equity Index

Annual Investment Expense Analysis				
	Fee Schedule	Market Value	Estimated Annual Fee (%)	Estimated Expense
Total Fund		1,238,599,556		
Total Fund w/o Alternatives		691,272,802		
US Equity		286,461,739		
BNY Mellon Newton Dynamic US Equity	0.30 % of Assets	67,552,046	0.30	202,656
BNY Mellon Large Cap	0.04 % of First \$100 M 0.02 % Thereafter	189,143,844	0.03	57,829
Champlain Small Cap	1.00 % of Assets	29,765,848	1.00	297,658
International Equity		227,678,530		
Developed International Equity		147,220,883		
Acadian ACWI ex U.S. Small Cap Equity	0.99 % of Assets	18,841,105	0.99	186,527
Driehaus International Small Cap Growth	0.90 % of Assets	17,994,203	0.90	161,948
GQG International Equity	0.50 % of Assets	56,510,186	0.50	282,551
First Eagle International Value Fund	0.79 % of Assets	53,875,390	0.79	425,616
Emerging Markets Equity		80,457,646		
Artisan Developing World TR	1.05 % of Assets	53,497,422	1.05	561,723
RWC	0.87 % of Assets	26,960,224	0.87	234,554
MCERA US FIXED+OPP CREDIT		177,132,533		
US Fixed Income		116,195,335		
Vanguard Short-Term Treasury Index Fund	0.05 % of Assets	6,797,672	0.05	3,399
Vanguard Total Bond Market Index Fund	0.04 % of Assets	17,658,640	0.04	6,181
Payden & Rygel Low Duration Fund	0.43 % of Assets	8,206,548	0.43	35,288
Brandywine US Fixed Income	0.29 % of Assets	33,529,877	0.29	97,237
Wellington Core Bond	0.12 % of Assets	50,002,598	0.12	60,003
Opportunistic Credit		60,937,198		
PIMCO Income Fund	0.51 % of Assets	11,846,623	0.51	60,418
GoldenTree Multi-Sector Credit	0.70 % of Assets	27,227,789	0.70	190,595
OWS Credit Opportunity Fund LP		21,862,786	-	-

Fee Schedule | As of June 30, 2024

	Fee Schedule	Market Value	Estimated Annual Fee (%)	Estimated Expense
Real Estate		91,618,620		
Vanguard REIT Index	0.10 % of Assets	17,293,855	0.10	19,023
Private Real Estate		74,324,765		
Greenfield Gap VII		676,443	-	-
Patron Capital V		4,906,127	-	-
UBS Trumbull Property		20,953,224	-	-
Carlyle Realty VIII		2,377,831	-	-
Taconic CRE Dislocation Fund II		3,235,652	-	-
Carmel Partners Investment Fund VII		4,781,205	-	-
AG Realty Value Fund X, L.P.		3,306,974	-	-
Rockpoint Real Estate Fund VI, L.P.		4,654,854	-	-
Cerberus Real Estate Debt Fund, L.P.		4,986,913	-	-
Taconic CRE Dislocation Onshore Fund III		7,783,315	-	-
Starwood Distressed Opportunity Fund XII Global		4,442,900	-	-
Carlyle Realty Partners IX		2,849,723	-	-
Carmel Partners Investment Fund VIII		6,121,025	-	-
Rockpoint Real Estate Fund VII L.P.		3,248,579	-	-
Private Equity		186,445,590		
Adams Street		3,393,143	-	-
Invesco VI		368,007	-	-
Ocean Avenue II		5,577,155	-	-
Pantheon I		57,307	-	-
Pantheon II		2,458,447	-	-
Pantheon Secondary		108,027	-	-
Davidson Kempner Long-Term Distressed Opportunities Fund IV		2,667,114	-	-
GTCR Fund XII		5,770,131	-	-
Carrick Capital Partners III		4,970,159	-	-
Cressey & Company Fund VI		5,019,159	-	-
TCV X		7,115,797	-	-

Fee Schedule | As of June 30, 2024

	Fee Schedule	Market Value	Estimated Annual Fee (%)	Estimated Expense
Accel-KKR Growth Capital Partners III		5,299,200	-	-
Genstar Capital Partners IX		9,853,666	-	-
Cortec Group Fund VII		9,105,448	-	-
Spark Capital Growth Fund III		8,447,769	-	-
Spark Capital VI		3,717,412	-	-
Summit Partners Growth Equity Fund X-A		9,090,048	-	-
Taconic Market Dislocation Fund III L.P.		4,220,515	-	-
Marlin Heritage Europe II, L.P.		7,997,290	-	-
Khosla Ventures VII		6,931,624	-	-
Accel-KKR Capital Partners VI		4,821,009	-	-
Khosla Ventures Seed E		2,331,327	-	-
TCV XI		6,035,022	-	-
Thoma Bravo Discover Fund III		9,637,354	-	-
Summit Partners Venture Capital Fund V-A		4,175,048	-	-
GTCR Fund XIII/A & B		6,588,299	-	-
Genstar Capital Partners X		7,858,562	-	-
Nautic Partners X		6,100,614	-	-
Spark Capital Growth Fund IV		4,826,809	-	-
Spark Capital VII		2,418,335	-	-
TCV Velocity Fund I		4,666,683	-	-
Accel-KKR Growth Capital Partners IV		2,707,818	-	-
Summit Partners Growth Equity Fund XI-A		2,671,808	-	-
GTCR Strategic Growth Fund I/A&B LP		2,793,377	-	-
Threshold Ventures IV LP		2,053,281	-	-
Thoma Bravo Discovery Fund IV		5,291,941	-	-
Marlin Heritage III		1,939,540	-	-
Cortec Group Fund VIII, L.P.		759,156	-	-
Khosla Ventures VIII		2,470,072	-	-
Summit Partners Europe Growth Equity Fund IV, SCSp		-32,372	-	-

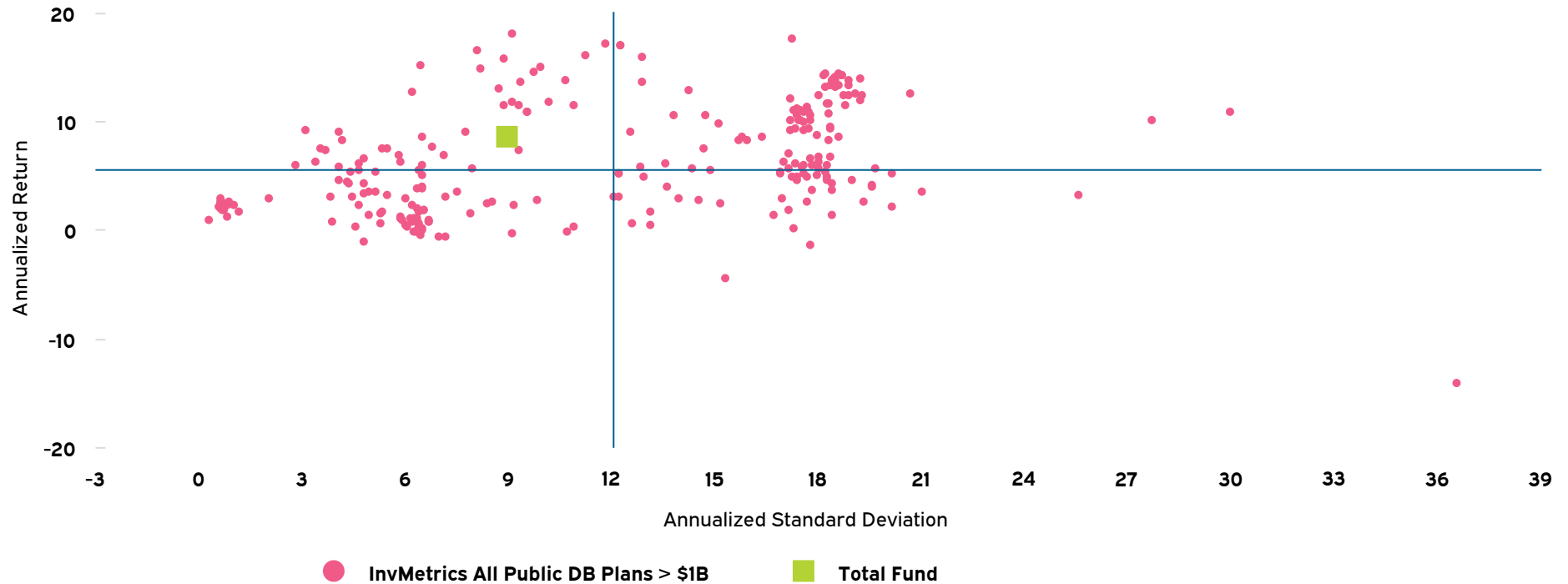
Fee Schedule | As of June 30, 2024

Fee Schedule		Market Value	Estimated Annual Fee (%)	Estimated Expense
GTCR XIV/A & B LP		-9,451	-	-
Summit Partners Europe Growth Equity Fund IV, SCSp		-32,372	-	-
GTCR XIV/A & B LP		-9,451	-	-
Direct Lending		60,480,545		
Silver Point Specialty Credit Fund II, L.P.		6,607,892	-	-
Ares Senior Direct Lending Fund II		13,670,249	-	-
Varagon Capital Direct Lending Fund		13,027,614	-	-
AG Direct Lending Fund IV Annex		9,209,223	-	-
AG Direct Lending Fund V		3,916,630	-	-
Accel-KKR Credit Partners II LP		2,223,997	-	-
Silver Point Specialty Credit Fund III		6,022,098	-	-
Ares Senior Direct Lending Fund III		60,904	-	-
Ares Senior Direct Lending Fund III		60,904	-	-
Hedge Fund		122,445,424		
Graham Absolute Return	Performance Based 1.75 % and 20.00 %	10,873,744	1.75	190,291
Wellington-Archipelago	Performance Based 1.00 % and 20.00 %	18,161,035	1.00	181,610
Marshall Wace Eureka	Performance Based 2.00 % and 20.00 %	5,029,619	2.00	100,592
Silver Point Capital	Performance Based 1.50 % and 20.00 %	20,510,878	1.50	307,663
Laurion Capital	Performance Based 2.00 % and 20.00 %	13,456,304	2.00	269,126
Taconic Opportunity Fund	Performance Based 1.40 % and 20.00 %	14,533,922	1.40	203,475
Marshall Wace Global Opportunities	Performance Based 2.00 % and 20.00 %	11,877,075	2.00	237,542
Caxton Global Investments	Performance Based 1.95 % and 22.50 %	11,899,099	1.95	232,032
Real Assets		68,320,908		
SSgA	0.30 % of First \$50 M 0.27 % of Next \$50 M 0.25 % Thereafter Minimum Fee: \$20,000	4,487,098	0.45	20,000
Private Infrastructure		33,496,741		
KKR Global II		3,580,197	-	-

Fee Schedule | As of June 30, 2024

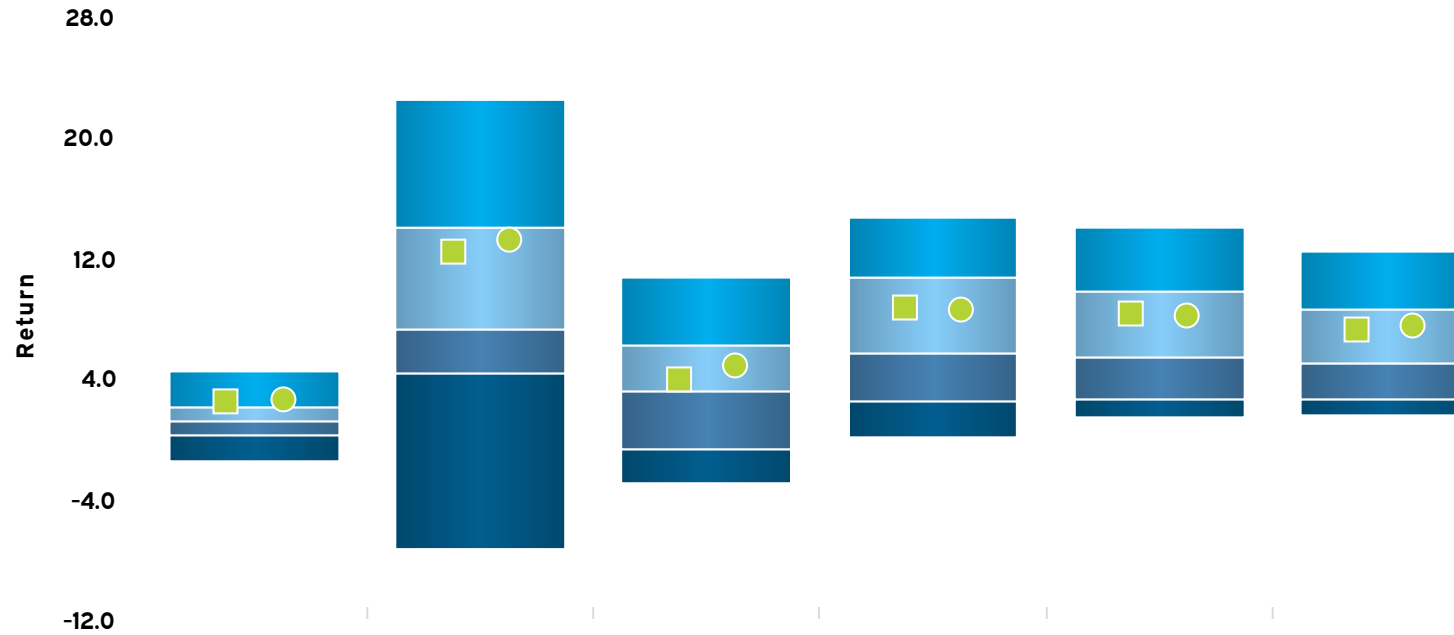
	Fee Schedule	Market Value	Estimated Annual Fee (%)	Estimated Expense
North Haven Infrastructure II		2,518,956	-	-
ISQ Global Infrastructure Fund II		5,680,768	-	-
KKR Global Infrastructure Investors III		4,913,501	-	-
Ardian Infrastructure Fund V		4,422,458	-	-
ISQ Global Infrastructure Fund III		3,076,039	-	-
KKR Global Infrastructure Investors IV		5,408,436	-	-
BlackRock Global Infrastructure Fund IV		2,918,836	-	-
Ardian Infrastructure Fund VI		977,550	-	-
Private Natural Resources		30,337,069		
EnCap XI		5,276,353	-	-
EnCap IV		1,743,100	-	-
GSO Energy Opportunities		253,359	-	-
Taurus Mining		322,297	-	-
Taurus Mining Annex		159,142	-	-
BlackRock Global Energy and Power Infrastructure Fund III LP		4,042,167	-	-
Tailwater Energy Fund IV, LP		4,422,951	-	-
Carnelian Energy Capital IV		5,066,991	-	-
EnCap Energy Capital Fund XII		5,163,295	-	-
Carnelian Energy Capital V, L.P		941,546	-	-
Cash		18,015,667		
Cash		16,289,930	-	-
Treasury Cash		1,725,737	-	-

Annualized Return vs. Annualized Standard Deviation 5 Years Ending June 30, 2024



	5 Years Return	5 Years Standard Deviation	5 Years Information Ratio	5 Years Beta	5 Years Sharpe Ratio	5 Years Tracking Error
Total Fund	8.6 (34)	8.9 (42)	0.0 (35)	1.0 (55)	0.7 (20)	3.0 (1)
Policy Index	8.5 (35)	8.8 (41)	-	1.0	0.7 (20)	0.0
InvMetrics All Public DB Plans > \$1B Median	5.6	12.0	-0.2	0.6	0.4	10.2

Statistics Summary 5 Years Ending June 30, 2024						
	5 Years Return	5 Years Standard Deviation	5 Years Information Ratio	5 Years Beta	5 Years Sharpe Ratio	5 Years Tracking Error
Total Fund	8.6	8.9	0.0	1.0	0.7	3.0
<i>Policy Index</i>	<i>8.6</i>	<i>8.8</i>	<i>-</i>	<i>1.0</i>	<i>0.7</i>	<i>0.0</i>
InvMetrics All Public DB Plans > \$1B Median	5.6	12.0	-0.2	0.6	0.4	10.2



	QTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	7 Yrs (%)	10 Yrs (%)	Since Inception
Total Fund	2.5 (17)	12.4 (29)	4.0 (42)	8.6 (34)	8.2 (33)	7.3 (33)	8.1 (-)
Policy Index	2.5 (16)	13.2 (28)	4.8 (38)	8.5 (35)	8.1 (33)	7.4 (30)	6.4 (-)
5th Percentile	4.4	22.5	10.6	14.6	14.0	12.4	-
1st Quartile	2.1	13.9	6.2	10.6	9.7	8.5	-
Median	1.1	7.2	3.0	5.6	5.4	5.0	-
3rd Quartile	0.2	4.3	-0.8	2.4	2.6	2.6	-
95th Percentile	-1.5	-7.3	-2.9	0.1	1.4	1.4	-
Population	277	277	267	255	225	183	3

Parentheses contain percentile rankings.
Calculation based on monthly periodicity.

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PERFORMANCE DATA CONTAINED HEREIN REPRESENT PAST PERFORMANCE. PAST PERFORMANCE IS NO GUARANTEE OF FUTURE RESULTS.

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. $\text{Portfolio Return} - [\text{Risk Free Rate} + \text{Beta} \times (\text{market return} - \text{Risk Free Rate})]$.

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 its 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%.

$$\frac{5\% \text{ (discount)}}{5 \text{ (yrs. to maturity)}} = 1\% \text{ pro rata, plus } 5.26\% \text{ (current yield)} = 6.26\% \text{ (yield to maturity)}$$

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.