
Taylor Police & Fire Retirement System

Investment Performance Review
Period Ending September 30, 2024

MARINER

3rd Quarter 2024 Market Environment

The Economy

- The US Federal Reserve (the Fed) shifted its policy stance during the quarter and cut the fed funds rate by 0.50% for the first time in four years to a range of 4.75%-5.00%. Capital markets celebrated the move after struggling to predict the pace and timing of future Fed actions earlier in the year. In its press release for the September meeting, the Fed continued to assert its stance on fighting inflation, while also inserting that the committee is strongly committed to “supporting maximum employment.” Fed Chairman Jerome Powell signaled to the markets that the expectation is for the committee to shift to a more expansionary policy moving forward.
- The Fed’s September “Dot Plot” showed revised expectations from a single 0.25% rate cut for the remainder of 2024 to a low-end estimate of a 4.25%-4.50% range. The dots also showed the target rate range decreasing below 4.00% in 2025.
- Growth in the US labor market continued in the third quarter, albeit at a slower pace than previous quarters with growth coming in at 527,000 new jobs. However, the strength of the labor market during the previous year was undermined by the large downward revision (818,000) on the trailing one-year statistic.

Equity (Domestic and International)

- US equity results were sharply higher for the quarter, which also saw a significant broadening of returns across both the style and capitalization spectrum. The S&P 500 Index rose a solid 5.9% for the quarter and the small-cap Russell 2000 Index posted a higher gain of 9.3%. This quarter not only saw a significant rotation from large-cap to small-cap stocks but also from growth stocks to value stocks as value indexes outpaced their growth counterparts.
- Large-cap equity benchmarks continue to represent top-heavy concentration among a limited number of stocks. As of quarter end, the top 10 stocks in the S&P 500 Index made up nearly 35% of the index.
- International stocks continued delivering positive results during the third quarter and US Dollar (USD) denominated results were further helped by a weakening USD. USD performance of international stocks surged past local currency (LCL) returns in most regions for the quarter, albeit to varying degrees.

Fixed Income

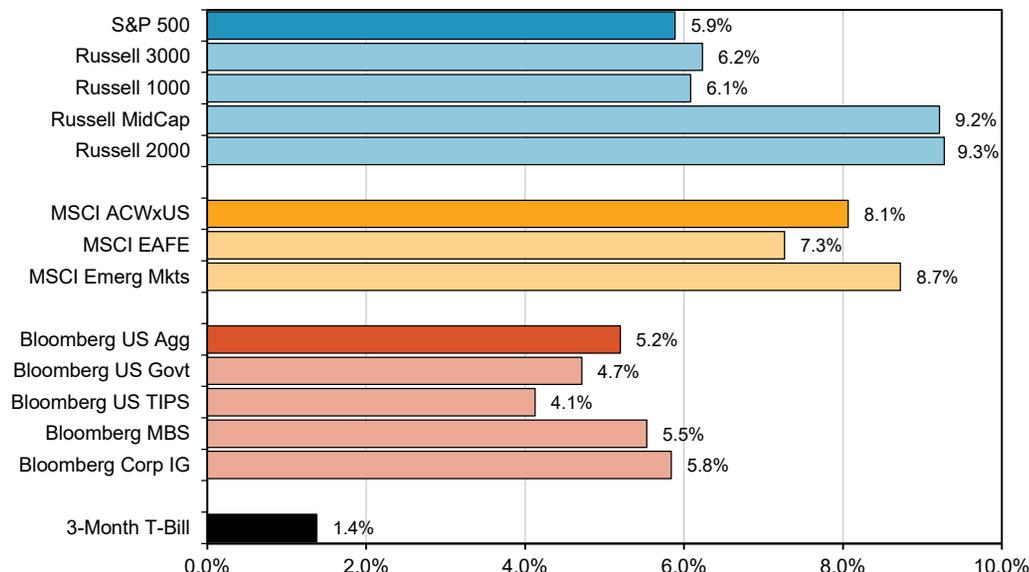
- Fixed-income markets traded higher during the quarter on the back of the Fed’s policy shift as Treasury yields fell. The inverse relationship between prices and yields resulted in the Bloomberg US Aggregate Bond Index advancing 5.2%. The yield on the bellwether 10-year Treasury declined by 0.55% during the quarter.
- High-yield bonds slightly outperformed the Bloomberg US Aggregate Bond Index for the quarter, largely due to higher coupons and partly due to narrowing option-adjusted spreads (OAS) for the Bloomberg US High-Yield index.
- Global bonds outpaced the domestic benchmarks, with the Bloomberg Global Aggregate ex-US returning 8.5% for the quarter in USD terms. Global bond performance was boosted by a weakening USD during the quarter.

Market Themes

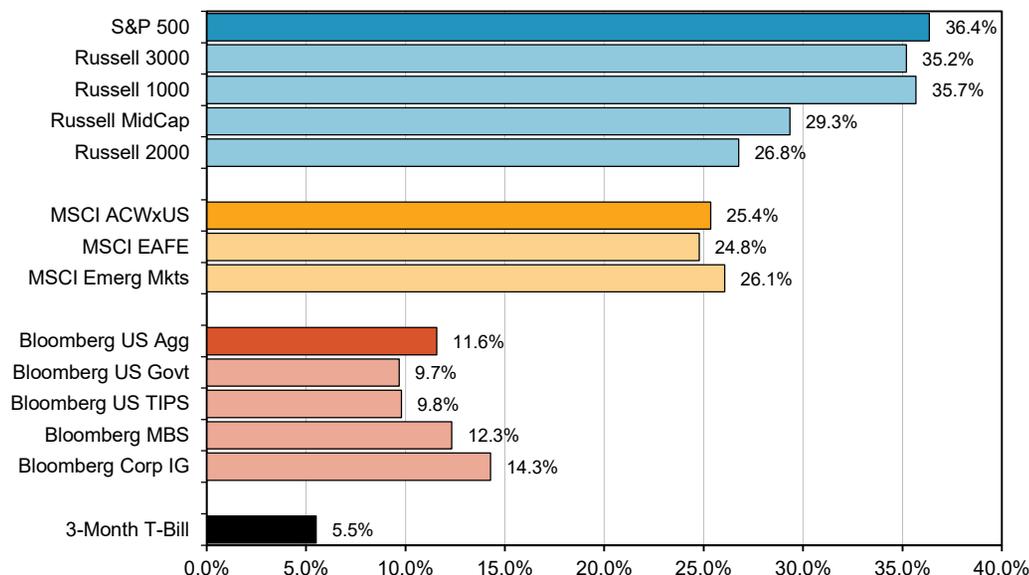
- Divergent monetary policies across regions led to increased volatility during the quarter. Most developed markets across the world kept rates at elevated levels as central banks continued their tight monetary stances. However, the Japanese Central Bank chose to raise its policy rates at the end of July, shortly before the Fed cut its policy rate in September. This divergence led to an unwinding of the systematic Yen carry trade, where investors quickly took action to cover short yen positions by taking down positions in various higher growth investments, including US equities. This subsequently led to a sharp decline in equity markets around the world in early August.
- Ongoing military conflicts in Ukraine and the Middle East, coupled with global economic uncertainty, continue to act as headwinds for international market results but they received a boost from the weakening USD. New escalations to existing conflicts have resulted in anticipated and unanticipated consequences. Domestic Defense companies have tended to trade higher on the news of developing escalations abroad while similarly putting upward pressure on oil prices and downward pressure on energy stocks as a result.

- Performance in the domestic equity markets was broadly positive after markets received a boost from the Fed's first rate cut in four years. Small-cap stocks outperformed their large-cap counterparts, with the Russell 2000 returning 9.3% versus a gain of 5.9% for the S&P 500. The all-cap Russell 3000, which is heavily weighted in its large-cap names, lagged the Russell 2000 Index by 3.1%, returning 6.2% for the quarter.
- International developed market equities realized similar results with both the MSCI ACWI ex US and MSCI EAFE indexes gaining during the quarter. The MSCI ACWI ex US Index posted a strong 8.1% for the quarter, while the MSCI EAFE Index returned a slightly lower 7.3%, both in USD terms. International emerging market (EM) equities were the best performing foreign segment, gaining 8.7% in for the quarter and outpacing their developed market counterparts. Much of the solid USD performance for EM can be attributed to the Far East index countries, particularly China, Taiwan, and Singapore.
- Broad fixed-income indexes added to their year-to-date results during the quarter, thanks in large part to the Fed's 0.50% rate cut on September 18th. The Bloomberg US Aggregate Index returned a solid 5.2% for the quarter. Investment-grade corporate bonds topped other US fixed-income sectors for the quarter, finishing with a return of 5.8%. The TIPS market, which is not part of the Aggregate Index, was the worst-performing bond benchmark during the quarter with a return of 4.1%, lagging the rest of the domestic fixed-income indexes.
- Large-cap US equity indexes built on their already massive returns over the trailing one-year period. The S&P 500 Index has gained 36.4%, while the Russell 1000 Index returned 35.7%. The weakest performing capitalization range of domestic equities for the year has been the small-cap Russell 2000 Index, which still posted a double-digit return of 26.8% over the last 12 months.
- Domestic bond indexes also produced strong, positive results for the year. Investment-grade corporate bonds continued to lead, returning an impressive 14.3% for the trailing one-year. The government bond index lagged for the year, but still returned a solid 9.7%.
- International markets also showcased healthy performance for the trailing one-year period. The MSCI EM Index was the best international performer, returning 26.1%, while the MSCI EAFE and MSCI ACWI ex US indexes posted returns of 24.8% and 25.4%, respectively.

Quarter Performance

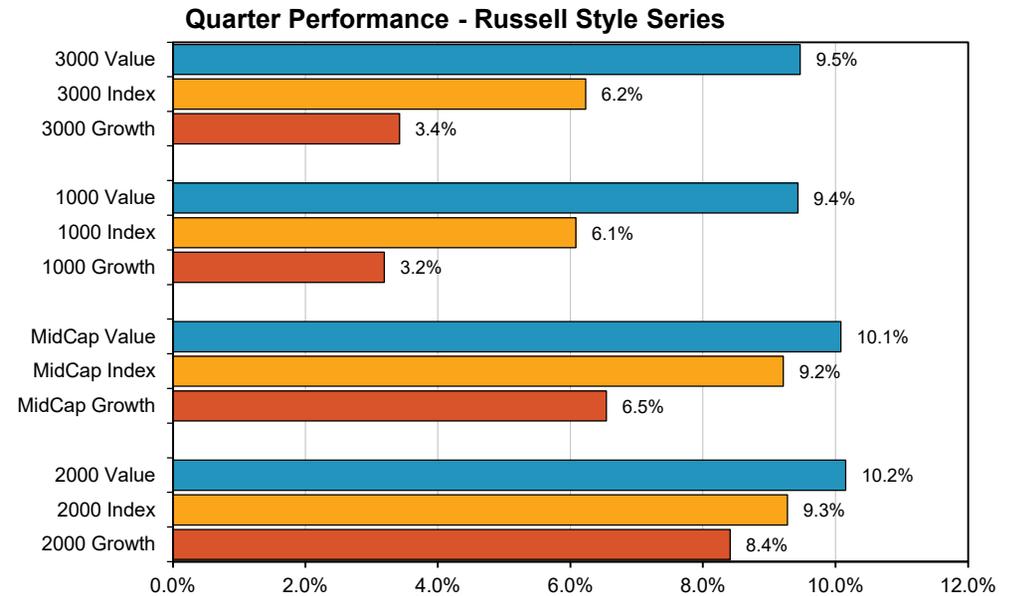


1-Year Performance

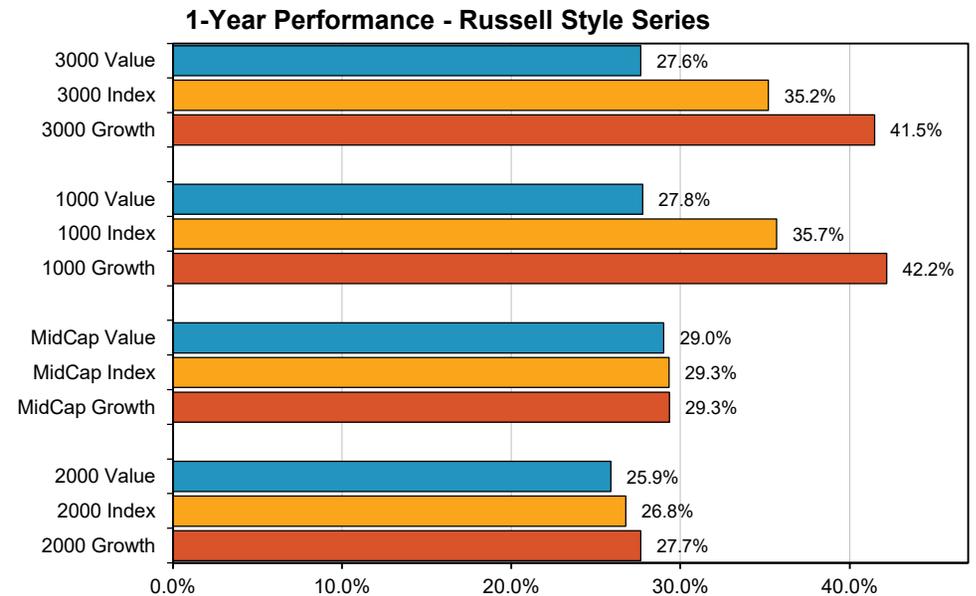


Source: Investment Metrics

- Domestic equity benchmarks posted strong absolute results across styles and market capitalization ranges. During the third quarter, value stocks outpaced their growth counterparts at each capitalization level for the first time since Q4 2022. The best-performing segment of the equity market was small-cap value, with the Russell 2000 Value Index advancing 10.2% for the quarter. Conversely, the large-cap growth Russell 1000 Growth Index produced the weakest relative equity performance, returning just 3.2%.
- The growth-oriented rally took a hiatus during the quarter with the broadest disparity visible in large-cap indexes. The Russell 1000 Value Index return of 9.4% surpassed the Russell 1000 Growth Index return by 6.2%. This quarter's results bucked the trend of large-cap growth stocks being the best-performing segment of the domestic equity market.



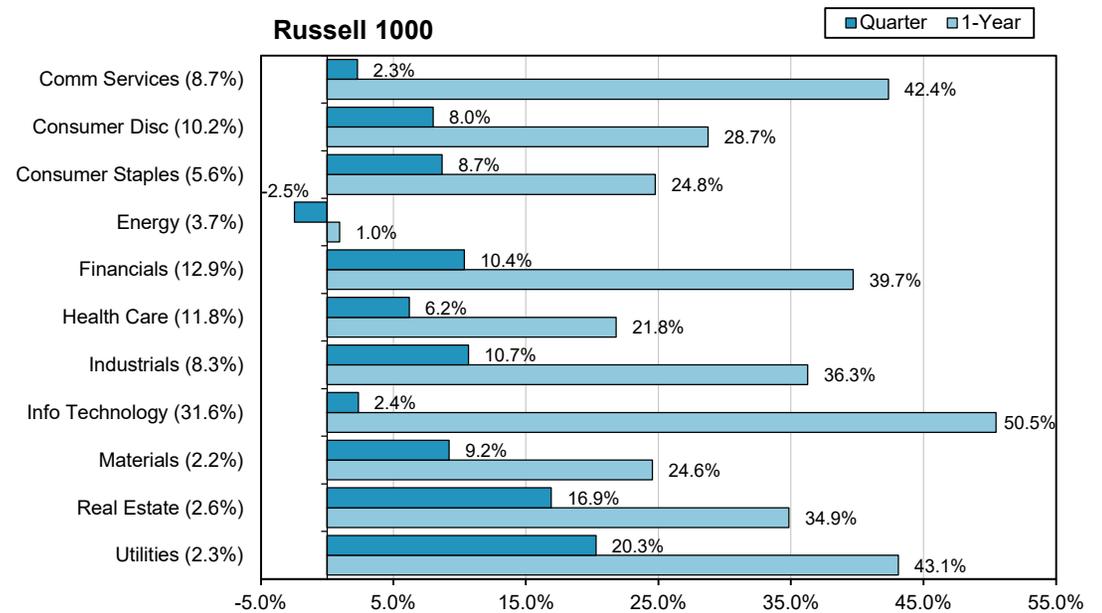
- This quarter's resurgence by the value indexes was not enough to bring them above growth indexes on a trailing one-year basis. The Russell 1000 Growth Index amassed a staggering 42.2%, leading the way among style and market capitalization classifications. Much of this strong performance has been attributable to the emergence of the "Magnificent 7" stocks (Alphabet, Amazon, Apple, Meta, Microsoft, Nvidia, and Tesla) which have dominated the large-cap core and growth indexes over the past several years. The 10 largest stocks in the Russell 1000 Index have contributed more than 50% of the index's total performance over the trailing 12-month period. The weakest performing index for the year was the Russell 2000 Value Index, which still posted an impressive 25.9%.
- The strength of growth sectors is evident in the chart with the broad-cap, large-cap, and small-cap benchmarks outpacing their value counterparts for the trailing one-year period. The gap between the Russell 1000 Growth Index and the Russell 1000 Value Index was in double-digits for the year, while the gaps for mid- and small-cap indexes were much narrower.



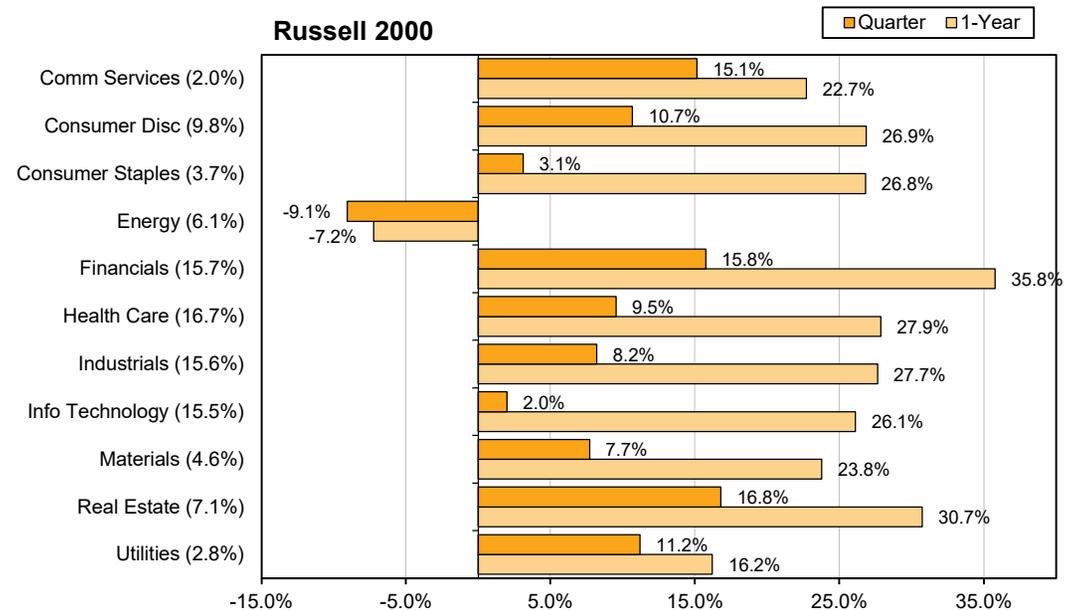
Source: Investment Metrics

- Economic sector performance was mostly positive during the third quarter, with 10 of the 11 economic sectors moving higher in both the large-cap and small-cap indexes. The quarter continued the previous trend in the domestic equities markets of broader participation in companies outside of the technology sector. Energy was the lone sector to slide during the quarter, posting a return of -2.5%.
- Third-quarter results for the large-cap benchmark added to already strong trailing one-year numbers, with all but one sector producing a return of greater than 20%. Similar to the quarter's results, the energy sector was the one to fall short, gaining just 1.0% over the trailing year. Of the 11 sectors, three (communication services, information technology, and utilities) were up by more than 40.0% for the past year. Financials, industrials, and real estate followed closely behind with gains of 39.7%, 36.3%, and 34.9%, respectively. Despite this strong sector performance, only five of the six leading sectors managed to outpace the Russell 1000 Index's return of 35.7%, which was lifted even higher by the strong results in the most heavily weighted sector, information technology.
- Small-cap stocks displayed similar strength, with 10 of the 11 small-cap economic sectors gaining value during the quarter. Real estate, financials, and communication services led the way with gains of more than 15% for the quarter. Similar to the large-cap benchmark, energy was the worst-performing sector for the quarter and produced the sole negative sector return, falling -9.1%.
- Small-cap stocks also had a strong performance for the trailing year. The same 10 small-cap sectors that advanced during the quarter moved higher over the trailing one-year period. Energy remains the weakest performing sector, with the most recent quarterly return dragging the sector's performance to -7.2% for the trailing year. Financials (up 35.8%), and seven other sectors earned more than 20%.

Russell 1000



Russell 2000



Source: Morningstar Direct
As a result of the GICS classification changes on 9/28/2018 and certain associated reporting limitations, sector performance represents backward looking performance for the prior year of each sector's current constituency, post creation of the Communication Services sector.

The Market Environment
Top 10 Index Weights & Quarterly Performance for the Russell 1000 & 2000
As of September 30, 2024

Top 10 Weighted Stocks				
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector
Apple Inc	6.4%	10.8%	36.8%	Information Technology
Microsoft Corp	6.1%	-3.6%	37.3%	Information Technology
NVIDIA Corp	5.4%	-1.7%	179.3%	Information Technology
Amazon.com Inc	3.3%	-3.6%	46.6%	Consumer Discretionary
Meta Platforms Inc Class A	2.4%	13.6%	91.3%	Communication Services
Alphabet Inc Class A	1.8%	-8.8%	27.1%	Communication Services
Berkshire Hathaway Inc Class B	1.6%	13.1%	31.4%	Financials
Alphabet Inc Class C	1.6%	-8.7%	27.1%	Communication Services
Broadcom Inc	1.5%	7.8%	110.9%	Information Technology
Tesla Inc	1.4%	32.2%	4.6%	Consumer Discretionary

Top 10 Weighted Stocks				
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector
Vaxcyte Inc Ordinary Shares	0.5%	51.3%	124.1%	Health Care
FTAI Aviation Ltd	0.5%	29.1%	281.0%	Industrials
Insmed Inc	0.4%	9.0%	189.1%	Health Care
Sprouts Farmers Market Inc	0.4%	32.0%	158.0%	Consumer Staples
Fabrinet	0.3%	-3.4%	41.9%	Information Technology
Applied Industrial Technologies Inc	0.3%	15.2%	45.4%	Industrials
Mueller Industries Inc	0.3%	30.5%	100.0%	Industrials
Fluor Corp	0.3%	9.6%	30.0%	Industrials
Ensign Group Inc	0.3%	16.3%	55.1%	Health Care
UFP Industries Inc	0.3%	17.5%	29.6%	Industrials

Top 10 Performing Stocks (by Quarter)				
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector
Exact Sciences Corp	0.0%	61.2%	-0.1%	Healthcare
Inspire Medical Systems Inc	0.0%	57.7%	6.4%	Healthcare
AppLovin Corp Ordinary Shares - A	0.1%	56.9%	226.7%	Information Technology
Doximity Inc Class A	0.0%	55.8%	105.3%	Healthcare
Ubiquiti Inc	0.0%	52.7%	55.3%	Information Technology
Vornado Realty Trust	0.0%	49.9%	75.4%	Real Estate
GE Vernova Inc	0.1%	48.7%	N/A	Utilities
VF Corp	0.0%	48.5%	15.5%	Communication Services
Palantir Technologies Inc Ordinary - A	0.1%	46.9%	132.5%	Technology
SharkNinja Inc	0.0%	44.7%	139.9%	Communication Services

Top 10 Performing Stocks (by Quarter)				
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector
Lumen Technologies Inc Ordinary	0.1%	545.5%	400.0%	Communication Services
CommScope Holding Co Inc	0.0%	396.7%	81.8%	Information Technology
Capricor Therapeutics Inc	0.0%	218.9%	344.7%	Health Care
Summit Therapeutics Inc Ordinary	0.0%	180.8%	1071.1%	Health Care
Q32 Bio Inc	0.0%	148.6%	N/A	Health Care
Intuitive Machines Inc Ordinary - A	0.0%	143.9%	120.5%	Industrials
IGM Biosciences Inc Ordinary	0.0%	140.8%	98.1%	Health Care
Cassava Sciences Inc	0.0%	138.3%	76.9%	Health Care
AST SpaceMobile Inc Ordinary - A	0.1%	125.2%	588.2%	Communication Services
Biomea Fusion Inc	0.0%	124.4%	-26.6%	Health Care

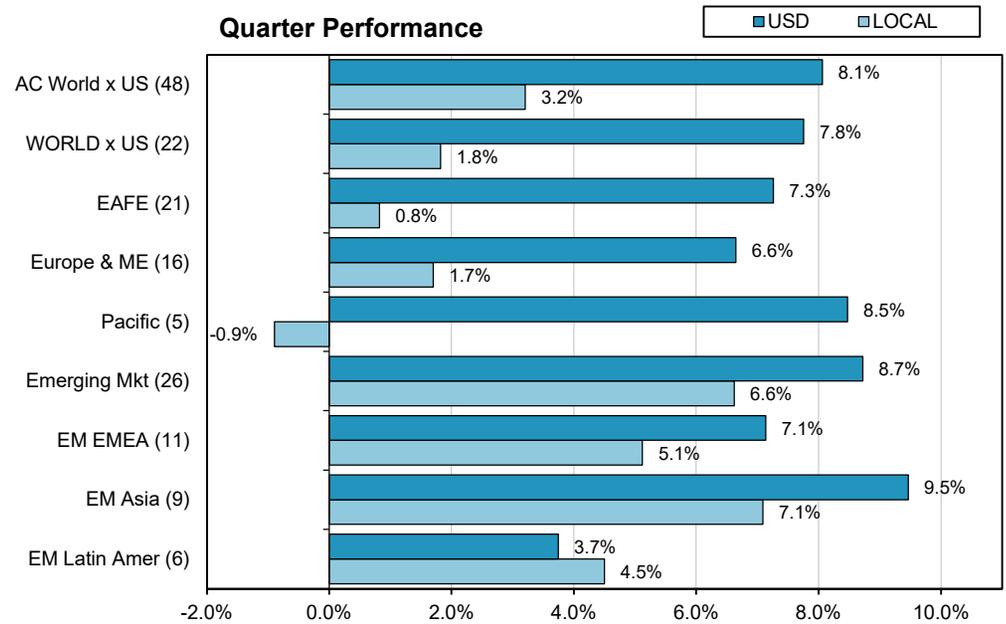
Bottom 10 Performing Stocks (by Quarter)				
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector
New Fortress Energy Inc Class A	0.0%	-58.3%	-71.7%	Utilities
Wolfspeed Inc	0.0%	-57.4%	-74.5%	Information Technology
Trump Media & Technology Group Corp	0.0%	-50.9%	N/A	Communication Services
Super Micro Computer Inc	0.0%	-49.2%	51.8%	Information Technology
e.l.f. Beauty Inc	0.0%	-48.3%	-0.7%	Consumer Staples
Celsius Holdings Inc	0.0%	-45.1%	-45.2%	Consumer Staples
Moderna Inc	0.1%	-43.7%	-35.3%	Health Care
DexCom Inc	0.1%	-40.9%	-28.1%	Health Care
Advance Auto Parts Inc	0.0%	-38.2%	-29.1%	Communication Services
Dollar General Corp	0.0%	-35.7%	-18.6%	Consumer Staples

Bottom 10 Performing Stocks (by Quarter)				
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector
Conduit Pharmaceuticals Inc	0.0%	-88.8%	-98.0%	Health Care
HilleVax Inc	0.0%	-87.8%	-86.9%	Health Care
iLearningEngines Inc	0.0%	-81.6%	N/A	Information Technology
SolarMax Technology Inc	0.0%	-80.8%	N/A	Industrials
Verrica Pharmaceuticals Inc	0.0%	-80.1%	-62.7%	Health Care
Elevation Oncology Inc	0.0%	-77.8%	-9.5%	Health Care
Actinium Pharmaceuticals Inc	0.0%	-74.6%	-68.2%	Health Care
Renovaro Inc	0.0%	-72.4%	-89.2%	Health Care
B. Riley Financial Inc	0.0%	-70.2%	-86.1%	Financials
ALX Oncology Holdings Inc Ordinary	0.0%	-69.8%	-62.1%	Health Care

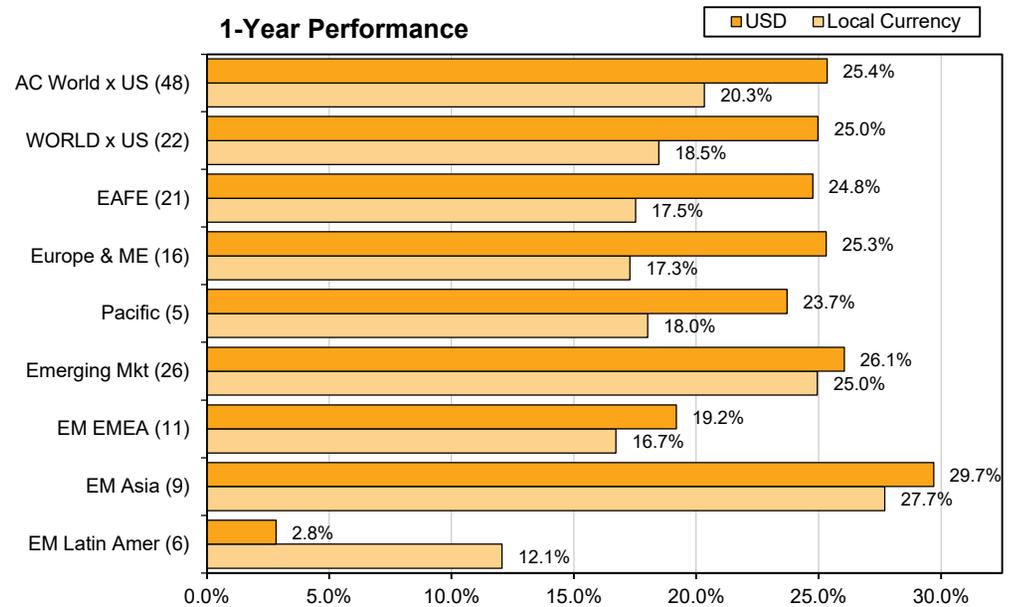
Source: Morningstar Direct

- Results in USD terms among the headline international equity indexes were sharply higher during the quarter, echoing the performance of major domestic equity benchmarks. The weakening USD relative to many major currencies during the quarter was a tailwind for the USD performance of most regional benchmarks' returns. The developed-market MSCI EAFE Index returned a muted 0.8% in LCL terms but rose 7.3% in USD terms. The MSCI Emerging Markets Index was the best-performing broad index, climbing 8.7% in USD and 6.6% in LCL terms for the quarter.
- Latin America lagged other regions during the quarter in USD terms, posting a return of 3.7%. Weakening currencies in the region put pressure on performance, making it the only region with USD performance that lagged LCL currency performance. The MSCI Pacific benchmark was the only regional benchmark to deliver negative performance in LCL teams (-0.9%), but USD weakness led to an 8.5% positive return in USD terms. Regional LCL currency performance struggles were led by the unwinding of the carry trade in the Japanese equity markets in early August which carried over to neighboring Pacific countries and US markets.
- China, which is the most heavily weighted country in the emerging market index, continued its rebound during the quarter posting a 23.5% gain in USD terms. Recently announced government stimulus for the Chinese economy helped lift equity markets in the country during the quarter. The Chinese economy has yet to expand at its pre-pandemic rate of roughly 5.0% primarily due to troubles in its commercial property and banking sectors, which have created challenges for growth in the region.
- Much like domestic markets, trailing one-year results for international developed and emerging markets benchmarks were strongly positive. Higher USD versus LCL returns for most international benchmarks demonstrate the USD's relative weakness over the trailing one-year period.
- All broad and regional indexes were positive for the trailing 12 months in both USD and LCL terms. The EM Latin America index, where weakening local currencies dragged the region's double-digit LCL performance to a muted 2.8% in USD terms. MSCI Asia Index led the way with a return of 27.7% in LCL terms for the trailing year. The relative weakening of the USD during the period further boosted returns in the region to 29.7% in USD terms.

Quarter Performance



1-Year Performance



Source: MSCI Global Index Monitor (Returns are Net)

The Market Environment
US Dollar International Index Attribution & Country Detail
As of September 30, 2024

MSCI - EAFE	Sector Weight	Quarter Return	1-Year Return
Communication Services	4.3%	11.5%	27.1%
Consumer Discretionary	11.0%	4.8%	14.4%
Consumer Staples	8.7%	10.6%	10.9%
Energy	3.6%	-5.8%	-2.1%
Financials	20.6%	10.4%	36.0%
Health Care	13.3%	4.6%	20.4%
Industrials	17.3%	9.4%	33.8%
Information Technology	8.7%	-2.4%	35.6%
Materials	6.8%	10.7%	24.0%
Real Estate	2.2%	17.3%	27.6%
Utilities	3.4%	14.9%	25.4%
Total	100.0%	7.3%	24.8%

MSCI - ACWixUS	Sector Weight	Quarter Return	1-Year Return
Communication Services	5.6%	13.6%	26.3%
Consumer Discretionary	11.3%	11.5%	20.4%
Consumer Staples	7.4%	10.5%	11.1%
Energy	5.0%	-1.7%	7.2%
Financials	22.5%	11.4%	33.2%
Health Care	9.4%	6.4%	20.4%
Industrials	13.8%	8.7%	30.5%
Information Technology	12.8%	-1.6%	38.3%
Materials	7.1%	9.4%	18.8%
Real Estate	1.9%	16.9%	23.5%
Utilities	3.2%	13.4%	27.7%
Total	100.0%	8.1%	25.4%

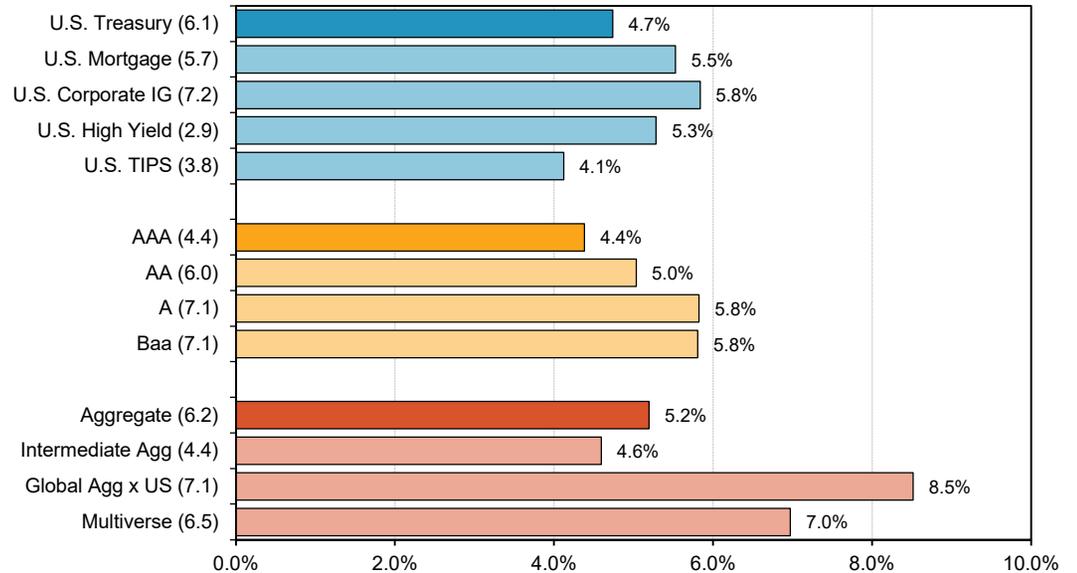
MSCI - Emerging Mkt	Sector Weight	Quarter Return	1-Year Return
Communication Services	9.4%	15.6%	26.2%
Consumer Discretionary	14.0%	25.0%	31.9%
Consumer Staples	5.2%	11.1%	9.6%
Energy	4.8%	-0.4%	17.4%
Financials	22.8%	10.4%	26.5%
Health Care	3.6%	22.9%	20.5%
Industrials	6.8%	7.0%	19.9%
Information Technology	22.2%	-2.6%	40.3%
Materials	6.6%	5.5%	5.5%
Real Estate	1.6%	14.8%	10.8%
Utilities	2.9%	9.3%	35.5%
Total	100.0%	8.7%	26.1%

Country	MSCI-EAFE Weight	MSCI-ACWixUS Weight	Quarter Return	1-Year Return
Japan	22.3%	14.0%	5.7%	21.6%
United Kingdom	14.7%	9.3%	7.9%	23.3%
France	11.4%	7.1%	7.7%	16.4%
Switzerland	9.9%	6.2%	8.5%	21.6%
Germany	9.0%	5.7%	10.7%	32.1%
Australia	7.8%	4.9%	11.5%	31.6%
Netherlands	4.8%	3.0%	-4.5%	38.7%
Denmark	3.4%	2.1%	-10.3%	24.5%
Sweden	3.4%	2.1%	8.4%	35.8%
Italy	2.7%	1.7%	8.6%	34.4%
Spain	2.8%	1.8%	13.7%	35.9%
Hong Kong	2.0%	1.3%	24.4%	14.8%
Singapore	1.5%	0.9%	17.6%	33.9%
Finland	1.0%	0.7%	8.1%	16.5%
Belgium	1.0%	0.6%	15.3%	25.9%
Israel	0.8%	0.5%	12.4%	32.4%
Norway	0.6%	0.4%	2.1%	4.5%
Ireland	0.3%	0.2%	13.9%	38.6%
Portugal	0.2%	0.1%	8.7%	11.3%
Austria	0.2%	0.1%	8.7%	28.3%
New Zealand	0.2%	0.1%	5.6%	20.1%
Total EAFE Countries	100.0%	62.7%	7.3%	24.8%
Canada		7.7%	12.0%	26.8%
Total Developed Countries		70.4%	7.8%	25.0%
China		8.2%	23.5%	23.9%
India		5.8%	7.3%	40.3%
Taiwan		5.2%	0.5%	52.7%
Korea		3.1%	-5.6%	9.3%
Brazil		1.4%	7.1%	2.6%
Saudi Arabia		1.1%	5.3%	11.2%
South Africa		0.9%	16.1%	36.7%
Mexico		0.6%	-3.4%	-3.4%
Indonesia		0.5%	15.3%	5.2%
Malaysia		0.4%	20.5%	35.6%
Thailand		0.4%	28.9%	17.0%
United Arab Emirates		0.3%	12.0%	6.4%
Poland		0.3%	-3.9%	45.7%
Turkey		0.2%	-12.6%	6.8%
Qatar		0.2%	10.6%	11.2%
Kuwait		0.2%	3.7%	8.9%
Philippines		0.2%	21.7%	22.7%
Greece		0.1%	10.4%	31.3%
Chile		0.1%	5.3%	5.8%
Peru		0.1%	7.9%	57.4%
Hungary		0.1%	6.3%	36.4%
Czech Republic		0.0%	5.1%	7.7%
Colombia		0.0%	-0.9%	25.4%
Egypt		0.0%	12.3%	-7.3%
Total Emerging Countries		29.6%	8.7%	26.1%
Total ACWixUS Countries		100.0%	8.1%	25.4%

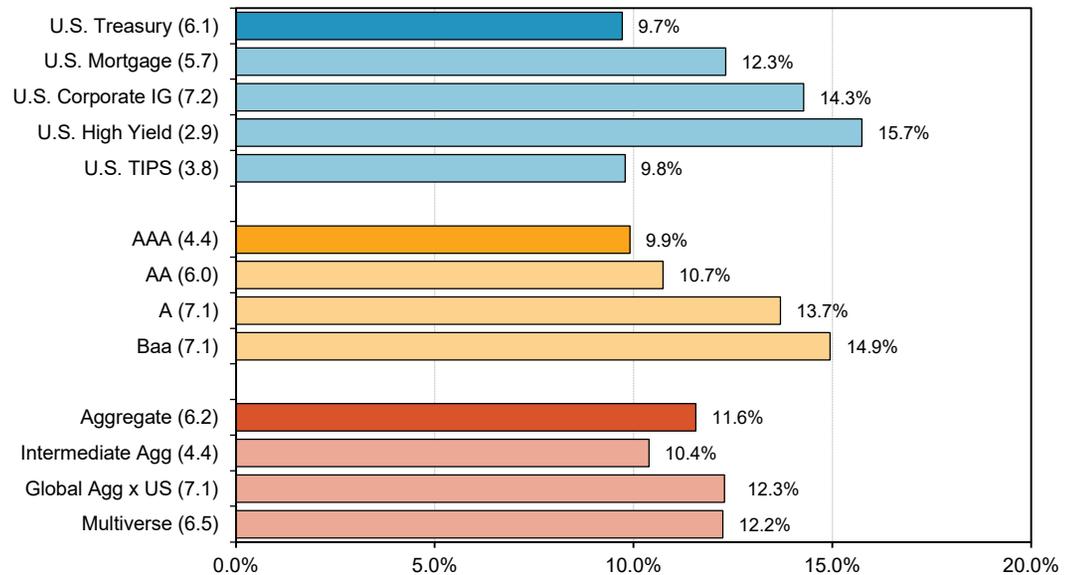
Source: Morningstar Direct, MSCI Global Index Monitor (Returns are Net in USD)
As a result of the GICS classification changes on 9/28/2018 and certain associated reporting limitations, sector performance represents backward looking performance for the prior year of each sector's current constituency, post creation of the Communication Services sector.

- Domestic fixed-income markets advanced during the third quarter. Although the Federal Reserve began to unwind its tight monetary policy stance that began in 2022 during the quarter, yields remained elevated. On September 18, the Fed reduced its target policy rate by 0.50%, a move that was celebrated in a performance boost by equity and bond markets alike.
- After a muted first half of 2024, which held the Bloomberg US Aggregate Bond Index slightly negative for the year, the index posted its best quarterly performance year-to-date, climbing 5.2% during the third quarter. Performance across the investment-grade index's segments was more favorable in the credit sectors, with the corporate investment-grade index rising 5.8%, outpacing the government and mortgage-backed-securities sectors. Lower quality issues also performed better, with A and BAA components of the index outpacing higher quality issues during the quarter.
- High Yield bonds underperformed investment grade issues as interest rates declined primarily due to the high-yield benchmark's lower duration. Despite their lower duration, below-investment grade issues continued to rise, posting a return of 5.3% for the quarter. The Bloomberg Global Aggregate ex-US Index outperformed all broad-market domestic indexes with a return of 8.5% for the quarter, aided by a weakening USD.
- Over the trailing one-year period, the Bloomberg US Aggregate Bond Index posted a solid 11.6% return. The benchmark's sub-components also posted positive performance over the trailing 12 months with the Bloomberg US Corporate Investment Grade Index rising a strong 14.3% and the US Mortgage Index returning 12.3%. US TIPS, which are excluded from the Bloomberg US Aggregate Bond Index, returned 9.8% for the trailing year.
- Among credit qualities, lower-quality issues (both within investment grade and below investment grade) have outperformed higher-quality bonds due to higher yields and credit spread compression over the last year. Higher yields mean larger coupon payments as well as greater sensitivity to changes in credit spreads, which narrowed. High-yield bonds have enjoyed a healthy 15.7% gain for the trailing year.
- The Bloomberg Global Aggregate ex-US Index moderately outpaced its domestic counterpart, the Bloomberg US Aggregate Bond Index, by 0.7% during the trailing year.

Quarter Performance



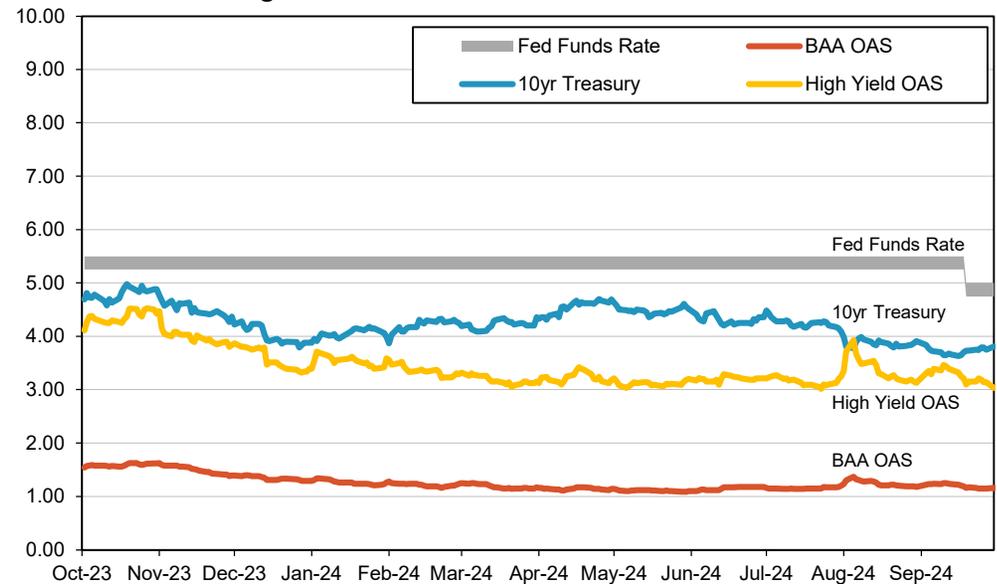
1-Year Performance



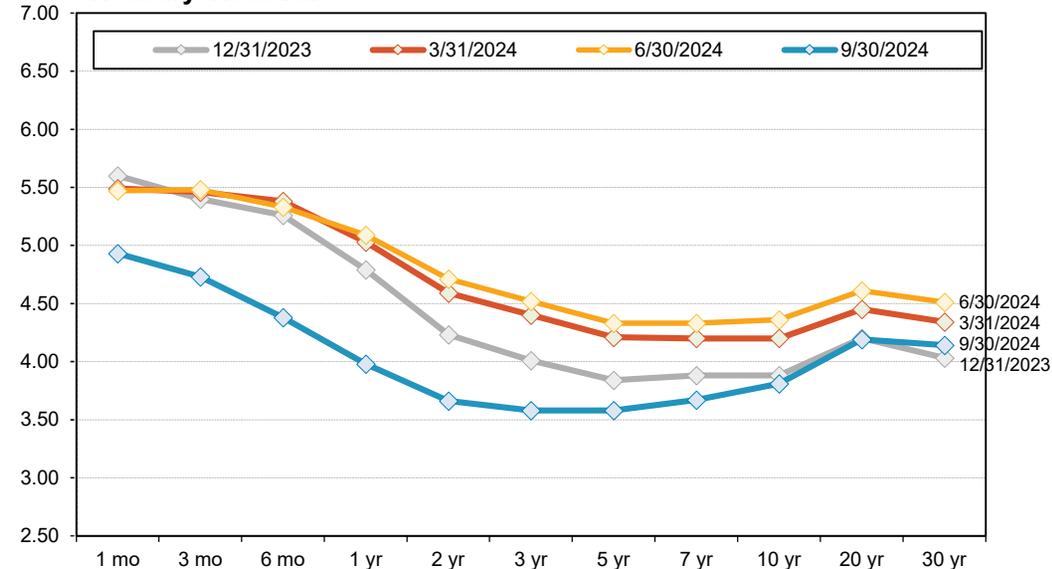
Source: Bloomberg

- The gray band across the graph illustrates the fed funds target rate range over the last 12 months. During the third quarter, the Federal Open Market Committee (FOMC) cut its policy rates by 0.50%, to a range of 4.75-5.00%. The last rate increase occurred at the FOMC's July 2023 meeting, and this was the first rate cut since March of 2020. With inflation declining and unemployment remaining largely stable, the Fed appears to be pivoting from a tight monetary policy stance. The most recent FOMC press release continued to emphasize economic data-dependent outcomes while placing renewed emphasis on the second part of the committee's dual mandate: full employment. The CME FedWatch tool, which forecasts rates based on fed fund futures pricing, showed a greater than 80% probability of a 0.25% rate decrease at the FOMC November meeting at the time of this writing. Fed officials and market participants continue to express concern that leaving rates at their current elevated levels for an extended period could tip the US economy into a recession. However, inflation remains above the FOMC's long-term 2.0% target level.
- The yield on the US 10-year Treasury (blue line of the top chart) fell roughly 0.55% during the quarter, attributable to Fed policy decisions and expectations of future rate actions. The bellwether benchmark rate opened the quarter at a yield of 4.36% and finished September at a yield of 3.81%. The 10-year Treasury benchmark's rate peaked in October 2023, cresting at a yield of just under 5.00% before pulling back during the remainder of the year.
- The red line in the top chart shows the option-adjusted spread (OAS) for BAA-rated corporate bonds. This measure quantifies the additional yield premium investors require to purchase and hold non-US Treasury issues with the lowest investment grade rating. During the quarter, the yield spread was relatively stable, beginning July at 1.18% and finishing September at 1.16%. High-yield OAS spreads (represented by the yellow line in the top chart) have also remained relatively unchanged, despite a sharp spike in early August spurred by an unwinding of the Yen carry trade. The high-yield OAS fell 0.18% over the quarter from 3.21% to 3.03%. The spread measure's relative stability over the trailing year results from steady economic growth, stable monetary policy, and falling inflation readings.
- The lower graph provides a snapshot of the US Treasury yield curve at the end of each of the last four quarters. For the first time since July 2022, the quarter-end yield on the 10-year Treasury was higher relative to the two-year Treasury. The yield curve has been inverted for each of the previous three quarter-end readings on the graph and for much of the last two years. This 2-10-year yield curve inversion is a common heuristic used to foretell a pending recession environment.

1-Year Trailing Market Rates



Treasury Yield Curve



Source: US Department of Treasury, FRED (Federal Reserve of St. Louis)

[CME FedWatch Tool - CME Group](#)

[Effective Federal Funds Rate - FEDERAL RESERVE BANK of NEW YORK \(newyorkfed.org\)](#)

[ICE BofA US High Yield Index Option-Adjusted Spread \(BAMLH0A0HYM2\) | FRED | St. Louis Fed \(stlouisfed.org\)](#)

[When will the Federal Reserve start cutting interest rates? | J.P. Morgan Asset Management \(jpmorgan.com\)](#)

[U.S. Department of the Treasury](#)

[China's Economy Limpes Into 2024 – WSJ Support Site - Global Index Lens: Index Returns – MSCI](#)

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[Yen drops to 38-year low, U.S. dollar slumps after weak data \(cnbc.com\)](#)

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[The Federal Reserve's latest dot plot, explained – and what it says about interest rates | Bankrate](#)

[Top 25 Stocks in the S&P 500 By Index Weight for July 2024 \(investopedia.com\)](#)

[Fed's Jerome Powell Declares 'Time Has Come' for Interest-Rate Cuts – WSJ](#)

[Why Chinese banks are now vanishing \(economist.com\)](#)

[Fed rate cut: Here's what changed in the central bank's statement \(cnbc.com\)](#)

[10-Year Treasury Constant Maturity Minus 2-Year Treasury Constant Maturity \(T10Y2Y\) | FRED | St. Louis Fed \(stlouisfed.org\)](#)

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Total Fund Compliance:

Yes No N/A

Equity Compliance:

Yes No N/A

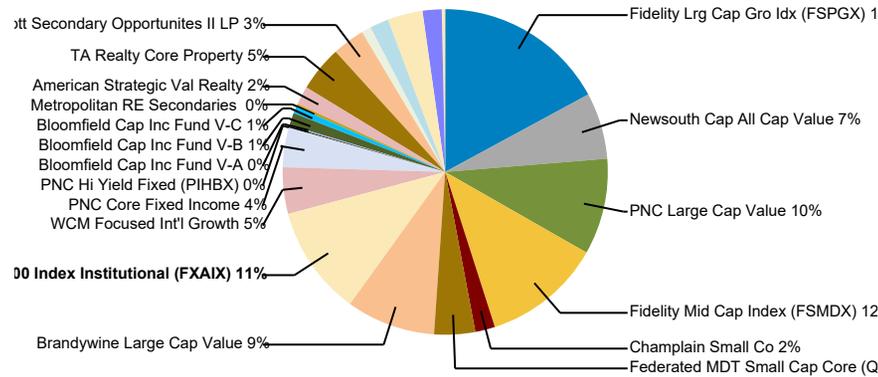
Fixed Income Compliance:

Yes No N/A

Manager Compliance:															
	Yes	No	N/A												

Asset Allocation Summary
Taylor Police & Fire Total Fund
As of September 30, 2024

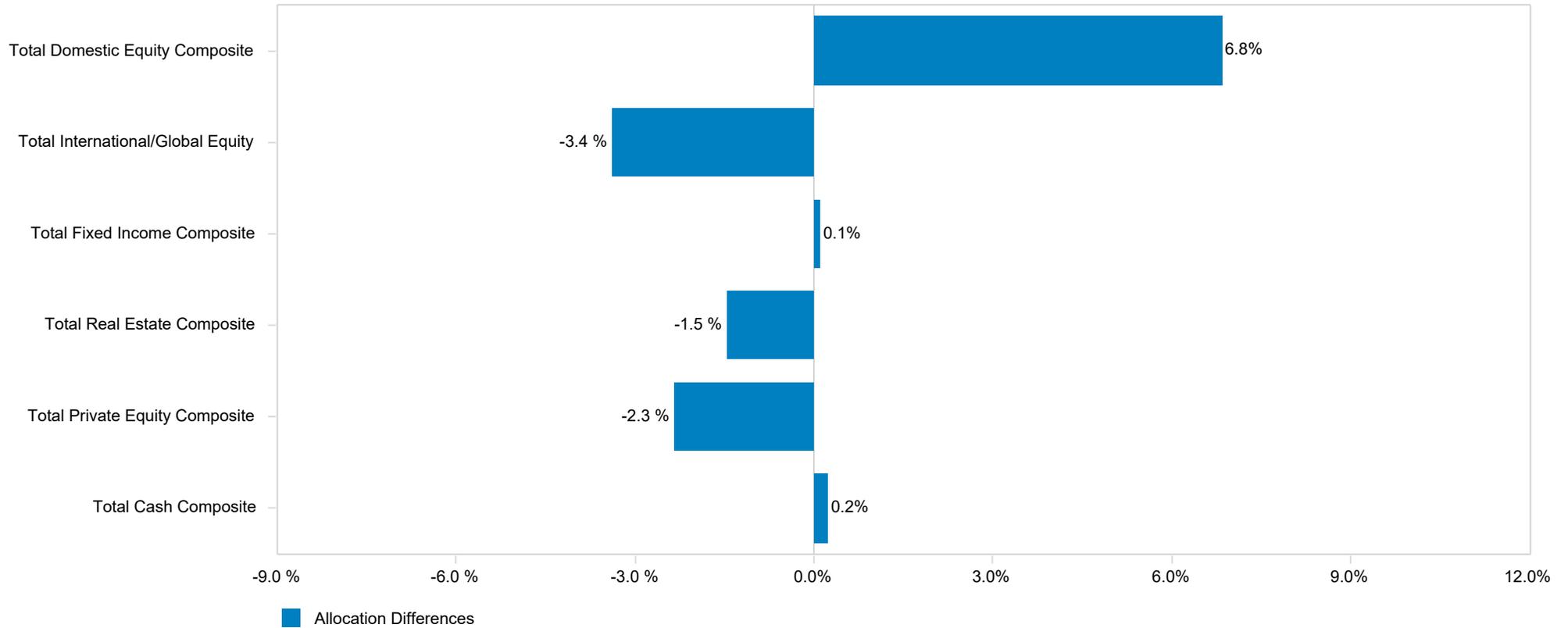
Sep-2024 : \$144,435,017



Allocation

	Market Value	Allocation
Fidelity Lrg Cap Gro Idx (FSPGX)	24,715,259	17.1
Newsouth Cap All Cap Value	9,513,850	6.6
PNC Large Cap Value	13,782,301	9.5
Fidelity Mid Cap Index (FSMDX)	17,080,455	11.8
Champlain Small Co	2,831,642	2.0
Federated MDT Small Cap Core (QISCX)	5,887,366	4.1
Brandywine Large Cap Value	12,789,487	8.9
Fidelity 500 Index Institutional (FXAIX)	15,726,913	10.9
WCM Focused Int'l Growth	6,667,006	4.6
PNC Core Fixed Income	5,694,699	3.9
PNC Hi Yield Fixed (PIHBX)	175,826	0.1
Bloomfield Cap Inc Fund V-A	203,096	0.1
Bloomfield Cap Inc Fund V-B	1,755,581	1.2
Bloomfield Cap Inc Fund V-C	974,464	0.7
Metropolitan RE Secondaries	447,480	0.3
American Strategic Val Realty	2,645,360	1.8
TA Realty Core Property	6,544,488	4.5
Abbott Secondary Opportunites II LP	4,658,385	3.2
Sturbridge Diversified III	1,361,262	0.9
Terracap Partners V LP	2,703,520	1.9
Portfolio Advisors Secondary Fund IV	5,035,309	3.5
Cash Account	2,749,794	1.9
Commingled Fund Cash	491,473	0.3

Asset Allocation vs. Target Allocation

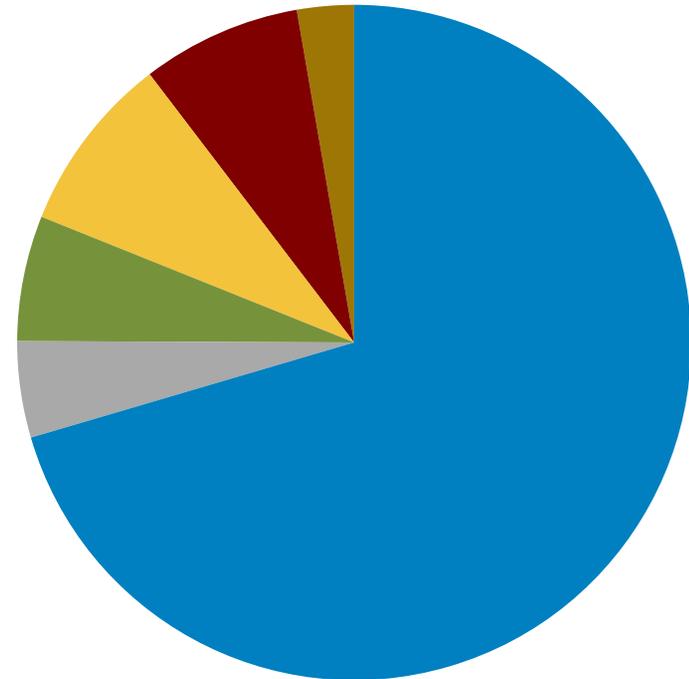
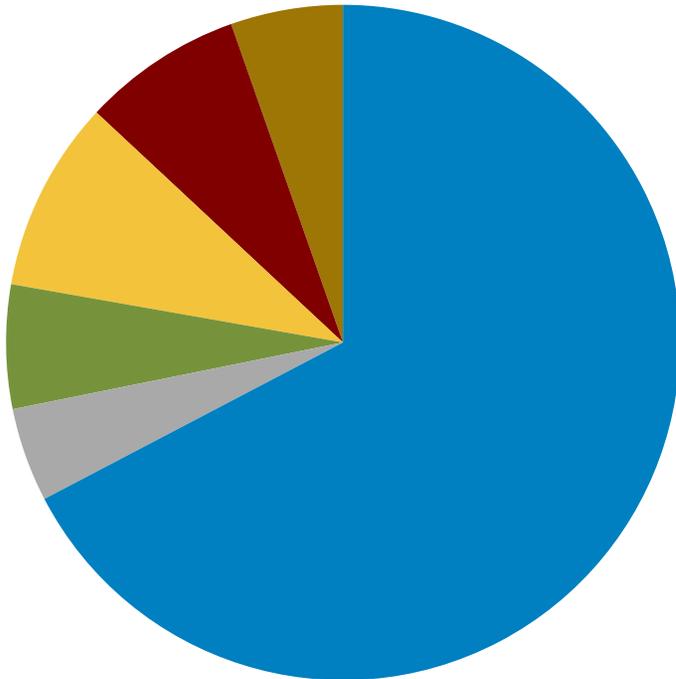


Asset Allocation vs. Target Allocation

	Market Value\$	Allocation (%)	Target (%)
Total Domestic Equity Composite	102,327,273	70.8	64.0
Total International/Global Equity	6,667,006	4.6	8.0
Total Fixed Income Composite	8,803,667	6.1	6.0
Total Real Estate Composite	12,340,848	8.5	10.0
Total Private Equity Composite	11,054,956	7.7	10.0
Total Cash Composite	3,241,267	2.2	2.0
Total Fund	144,435,017	100.0	100.0

Asset Allocation By Segment as of
June 30, 2024 : \$141,098,200

Asset Allocation By Segment as of
September 30, 2024 : \$144,435,017



Allocation			Allocation		
Segments	Market Value	Allocation	Segments	Market Value	Allocation
Domestic Equity	95,001,547	67.3	Domestic Equity	101,756,365	70.5
International Equity	6,354,049	4.5	International Equity	6,667,006	4.6
Domestic Fixed Income	8,371,834	5.9	Domestic Fixed Income	8,668,264	6.0
Real Estate	12,937,109	9.2	Real Estate	12,340,848	8.5
Private Equity	10,827,761	7.7	Private Equity	11,054,956	7.7
Cash Equivalent	7,605,900	5.4	Cash Equivalent	3,947,578	2.7

Financial Reconciliation

Total Fund

1 Quarter Ending September 30, 2024

	Market Value 07/01/2024	Net Transfers	Contributi ons	Distributi ons	Management Fees	Other Expenses	Income	Apprec./ Deprec.	Market Value 09/30/2024
Total Domestic Equity Composite	95,605,230	29,038	-	-	-40,361	-	177,280	6,556,086	102,327,273
Fidelity Lrg Cap Gro Idx (FSPGX)	23,961,416	-	-	-	-	-	-	753,842	24,715,259
PNC Large Cap Value	12,981,178	-	-	-	-11,323	-	32,439	780,007	13,782,301
Newsouth Capital All Cap Value	8,532,754	15,998	-	-	-15,998	-	25,089	956,006	9,513,850
Fidelity Mid Cap Index (FSMDX)	15,642,153	-	-	-	-	-	-	1,438,302	17,080,455
Brandywine Large Cap Value	11,790,362	13,040	-	-	-13,040	-	70,941	928,183	12,789,487
Champlain Small Company (CIPNX)	2,619,575	-	-	-	-	-	-	212,067	2,831,642
Federated MDT Small Cap Core (QISCX)	5,223,908	-	-	-	-	-	-	663,458	5,887,366
Fidelity 500 Index Institutional (FXAIX)	14,853,883	-	-	-	-	-	48,810	824,220	15,726,913
Total International Equity Composite	6,354,049	-	-	-	-	-	-	312,958	6,667,006
WCM Focused Int'l Growth Fund LP	6,354,049	-	-	-	-	-	-	312,958	6,667,006
Total Fixed Income Composite	8,519,706	-52,869	-	-	-	-	103,774	233,056	8,803,667
PNC Core Fixed Income	5,457,866	2,851	-	-	-	-	53,841	180,142	5,694,699
PNC High Yield Fixed Income (PIHBX)	169,497	-2,851	-	-	-	-	2,851	6,329	175,826
Total Non-Core Fixed Composite	2,892,343	-52,869	-	-	-	-	47,082	46,585	2,933,141
Bloomfield Capital Income Fund V Series - A	186,473	-2,266	-	-	-	-	2,291	16,598	203,096
Bloomfield Capital Income Fund V Series - B	1,873,756	-162,578	-	-	-	-	27,424	16,979	1,755,581
Bloomfield Capital Income Fund V Series - C	832,113	111,976	-	-	-	-	17,367	13,008	974,464
Total Real Estate Composite	12,937,109	-593,287	-	-	-20,663	-	87,838	-70,150	12,340,848
Metropolitan Real Estate Partners Secondaries & Co-Investments Fund, L.P.	547,826	-100,346	-	-	-	-	2,609	-2,609	447,480
American Strategic Value Realty	2,648,916	-	-	-	-8,349	-	8,338	-3,545	2,645,360
TA Realty Core Property Fund LP	7,036,848	-492,941	-	-	-12,314	-	76,891	-63,996	6,544,488
Terracap Partners V LP	2,703,520	-	-	-	-	-	-	-	2,703,520
Total Private Equity Composite	10,827,761	160,712	-	-	-	-	18,708	47,775	11,054,956
Abbott Secondary Opportunites II LP	4,658,386	-	-	-	-	-	-	-1	4,658,385
Portfolio Advisors Secondary Fund IV	5,056,843	-88,018	-	-	-	-	-	66,484	5,035,309
Sturbridge Diversified III	1,112,532	248,730	-	-	-	-	18,708	-18,708	1,361,262
Total Cash Composite	6,854,345	456,405	298,609	-4,382,600	-1	-46,572	61,079	1	3,241,267
Cash Account	6,763,413	62,203	298,299	-4,382,600	-1	-46,572	55,050	-	2,749,794
Cash Account from Commingled Fund	90,932	394,202	310	-	-	-	6,029	1	491,473
Total Fund Composite	141,098,200	-	298,609	-4,382,600	-61,026	-46,572	448,679	7,079,726	144,435,017

Comparative Performance

Total Fund

As of September 30, 2024

Comparative Performance																
	QTR		1 YR		3 YR		5 YR		7 YR		10 YR		Inception		Inception Date	
Total Fund Composite (Gross)	5.43	(45)	20.58	(44)	5.19	(36)	9.86	(7)	9.24	(4)	9.15	(2)	8.22	(28)	04/01/2003	
Total Fund Policy	5.83	(31)	26.51	(3)	7.29	(3)	11.36	(2)	10.30	(1)	9.70	(1)	9.52	(1)		
Difference	-0.40		-5.93		-2.10		-1.50		-1.06		-0.55		-1.30			
All Public Plans-Total Fund Median	5.32		19.81		4.71		8.31		7.63		7.37		7.83			
Total Fund Composite (Net)	5.39		20.34		4.86		9.52		8.87		8.71		7.99		04/01/2008	
Total Fund Policy	5.83		26.51		7.29		11.36		10.30		9.70		8.51			
Difference	-0.44		-6.17		-2.43		-1.84		-1.43		-0.99		-0.52			
Total Domestic Equity Composite	7.04		31.70		7.31		12.62		11.30		10.74		9.72		04/01/2008	
Total Domestic Equity Policy	6.23		35.19		10.29		15.26		13.42		12.72		11.11			
Difference	0.81		-3.49		-2.98		-2.64		-2.12		-1.98		-1.39			
Total International/Global Equity	4.93		25.64		2.99		8.01		7.03		6.97		5.17		04/01/2008	
Total International Equity Policy	8.06		25.35		4.14		7.59		5.44		5.22		3.70			
Difference	-3.13		0.29		-1.15		0.42		1.59		1.75		1.47			
Total Fixed Income Composite	3.97		7.48		3.96		4.62		4.78		5.27		5.12		07/01/2014	
Total Fixed Income Policy	4.17		9.45		0.17		1.26		1.98		2.11		2.06			
Difference	-0.20		-1.97		3.79		3.36		2.80		3.16		3.06			
Total Real Estate Composite	0.14		-14.08		-0.25		3.46		5.26		7.56		7.76		07/01/2014	
Total Real Estate Policy	0.25		-7.27		-0.18		2.94		4.12		6.10		6.27			
Difference	-0.11		-6.81		-0.07		0.52		1.14		1.46		1.49			

Returns for periods greater than one year are annualized.
Returns are expressed as percentages.

Comparative Performance

Total Fund

As of September 30, 2024

	QTR		1 YR		3 YR		5 YR		7 YR		10 YR		Inception		Inception Date
Total Domestic Equity Composite	7.04		31.70		7.31		12.62		11.30		10.74		9.72		04/01/2008
Fidelity Lrg Cap Gro Idx (FSPGX)	3.15	(57)	42.19	(36)	N/A		N/A		N/A		N/A		N/A		06/01/2023
Russell 1000 Growth Index	3.19	(55)	42.19	(36)	12.02	(9)	19.74	(11)	18.20	(8)	16.52	(8)	33.61	(30)	
Difference	-0.04		0.00		N/A		N/A		N/A		N/A		N/A		
Large Growth Median	3.40		40.06		8.61		16.52		15.57		14.33		31.49		
PNC Large Cap Value	6.26	(77)	26.51	(73)	10.43	(56)	11.60	(73)	9.74	(80)	9.59	(76)	10.63	(69)	06/01/2013
Russell 1000 Value Index	9.43	(19)	27.76	(60)	9.03	(78)	10.69	(85)	9.53	(83)	9.23	(86)	10.06	(85)	
Difference	-3.17		-1.25		1.40		0.91		0.21		0.36		0.57		
IM U.S. Large Cap Value Equity (SA+CF) Median	7.72		28.85		10.70		12.89		11.16		10.52		11.24		
Newsouth Capital All Cap Value	11.50	(8)	28.25	(41)	5.48	(88)	9.32	(89)	8.91	(73)	8.08	(93)	10.61	(88)	08/01/2012
Russell 3000 Value Index	9.47	(27)	27.65	(45)	8.70	(60)	10.61	(74)	9.34	(65)	9.17	(77)	11.26	(75)	
Difference	2.03		0.60		-3.22		-1.29		-0.43		-1.09		-0.65		
IM U.S. Value Equity (SA+CF) Median	8.20		27.08		9.41		12.11		10.13		10.09		12.13		
Fidelity Mid Cap Index (FSMDX)	9.20	(30)	29.29	(32)	N/A		N/A		N/A		N/A		5.28	(72)	12/01/2021
Russell Midcap Index	9.21	(29)	29.33	(31)	5.75	(71)	11.30	(72)	10.48	(38)	10.19	(53)	5.27	(72)	
Difference	-0.01		-0.04		N/A		N/A		N/A		N/A		0.01		
Mid-Cap Blend Median	8.13		27.91		7.47		11.78		10.04		10.24		6.91		
Brandywine Large Cap Value	8.47	(36)	24.15	(88)	7.92	(90)	12.93	(48)	11.44	(44)	N/A		12.06	(34)	04/01/2017
Russell 1000 Value Index	9.43	(19)	27.76	(60)	9.03	(78)	10.69	(85)	9.53	(83)	9.23	(86)	9.51	(88)	
Difference	-0.96		-3.61		-1.11		2.24		1.91		N/A		2.55		
IM U.S. Large Cap Value Equity (SA+CF) Median	7.72		28.85		10.70		12.89		11.16		10.52		11.28		
Champlain Small Company (CIPNX)	8.10	(67)	20.77	(87)	1.11	(91)	N/A		N/A		N/A		7.77	(86)	11/01/2019
Russell 2000 Index	9.27	(35)	26.76	(30)	1.84	(80)	9.39	(61)	7.36	(65)	8.78	(52)	8.98	(64)	
Difference	-1.17		-5.99		-0.73		N/A		N/A		N/A		-1.21		
Small Blend Median	8.86		25.44		3.90		9.94		7.83		8.82		9.65		
Federated MDT Small Cap Core (QISCX)	12.70	(1)	32.37	(7)	4.26	(44)	N/A		N/A		N/A		10.82	(25)	12/01/2019
Russell 2000 Index	9.27	(35)	26.76	(30)	1.84	(80)	9.39	(61)	7.36	(65)	8.78	(52)	8.23	(68)	
Difference	3.43		5.61		2.42		N/A		N/A		N/A		2.59		
Small Blend Median	8.86		25.44		3.90		9.94		7.83		8.82		9.08		
Fidelity 500 Index Institutional (FXAIX)	5.88	(54)	36.33	(40)	N/A		N/A		N/A		N/A		10.25	(48)	12/01/2021
S&P 500 Index	5.89	(51)	36.35	(36)	11.91	(37)	15.98	(38)	14.50	(31)	13.38	(34)	10.27	(43)	
Difference	-0.01		-0.02		N/A		N/A		N/A		N/A		-0.02		
Large Blend Median	5.89		35.66		11.54		15.66		14.00		12.94		10.23		

Returns for periods greater than one year are annualized.
Returns are expressed as percentages.

Comparative Performance

Total Fund

As of September 30, 2024

	QTR		1 YR		3 YR		5 YR		7 YR		10 YR		Inception		Inception Date
Total International/Global Equity	4.93		25.64		2.99		8.01		7.03		6.97		5.17		04/01/2008
WCM Focused Int'l Growth Fund LP	4.93	(90)	29.42	(5)	0.54	(95)	10.57	(6)	N/A		N/A		10.05	(1)	09/01/2018
MSCI AC World ex USA (Net)	8.06	(26)	25.35	(31)	4.14	(53)	7.59	(59)	5.44	(52)	5.22	(59)	6.06	(55)	
Difference	-3.13		4.07		-3.60		2.98		N/A		N/A		3.99		
MSCI EAFE Growth Index	5.72	(78)	26.93	(15)	2.25	(87)	8.08	(40)	7.03	(11)	6.99	(8)	7.02	(17)	
Difference	-0.79		2.49		-1.71		2.49		N/A		N/A		3.03		
Foreign Large Blend Median	7.12		24.46		4.25		7.78		5.45		5.40		6.13		
Total Fixed Income Composite	3.97		7.48		3.96		4.62		4.78		5.27		5.12		07/01/2014
Total PNC Fixed Income Composite	4.32	(37)	10.57	(36)	0.85	(25)	2.17	(13)	2.62	(12)	2.48	(29)	3.56	(48)	04/01/2003
Bloomberg Intermediate US Govt/Credit Idx	4.17	(63)	9.45	(82)	0.17	(86)	1.26	(95)	1.89	(94)	1.96	(95)	3.04	(96)	
Difference	0.15		1.12		0.68		0.91		0.73		0.52		0.52		
IM U.S. Intermediate Duration (SA+CF) Median	4.23		10.19		0.53		1.66		2.24		2.29		3.54		
Total Real Estate Composite	0.14		-14.08		-0.25		3.46		5.26		7.56		7.76		07/01/2014
American Strategic Value Realty	0.18	(58)	-6.80	(51)	0.20	(47)	4.19	(20)	5.74	(21)	N/A		6.62	(N/A)	06/01/2016
NCREIF Fund Index-ODCE (VW)	0.25	(51)	-7.27	(53)	-0.18	(52)	2.94	(52)	4.12	(62)	6.10	(63)	4.89	(N/A)	
Difference	-0.07		0.47		0.38		1.25		1.62		N/A		1.73		
IM U.S. Open End Private Real Estate (SA+CF) Median	0.25		-6.78		0.17		3.03		4.46		6.57		N/A		
TA Realty Core Property Fund LP	0.20	(57)	-5.60	(42)	2.75	(16)	N/A		N/A		N/A		7.29	(N/A)	05/01/2021
NCREIF Fund Index-ODCE (VW)	0.25	(51)	-7.27	(53)	-0.18	(52)	2.94	(52)	4.12	(62)	6.10	(63)	2.89	(N/A)	
Difference	-0.05		1.67		2.93		N/A		N/A		N/A		4.40		
IM U.S. Open End Private Real Estate (SA+CF) Median	0.25		-6.78		0.17		3.03		4.46		6.57		N/A		

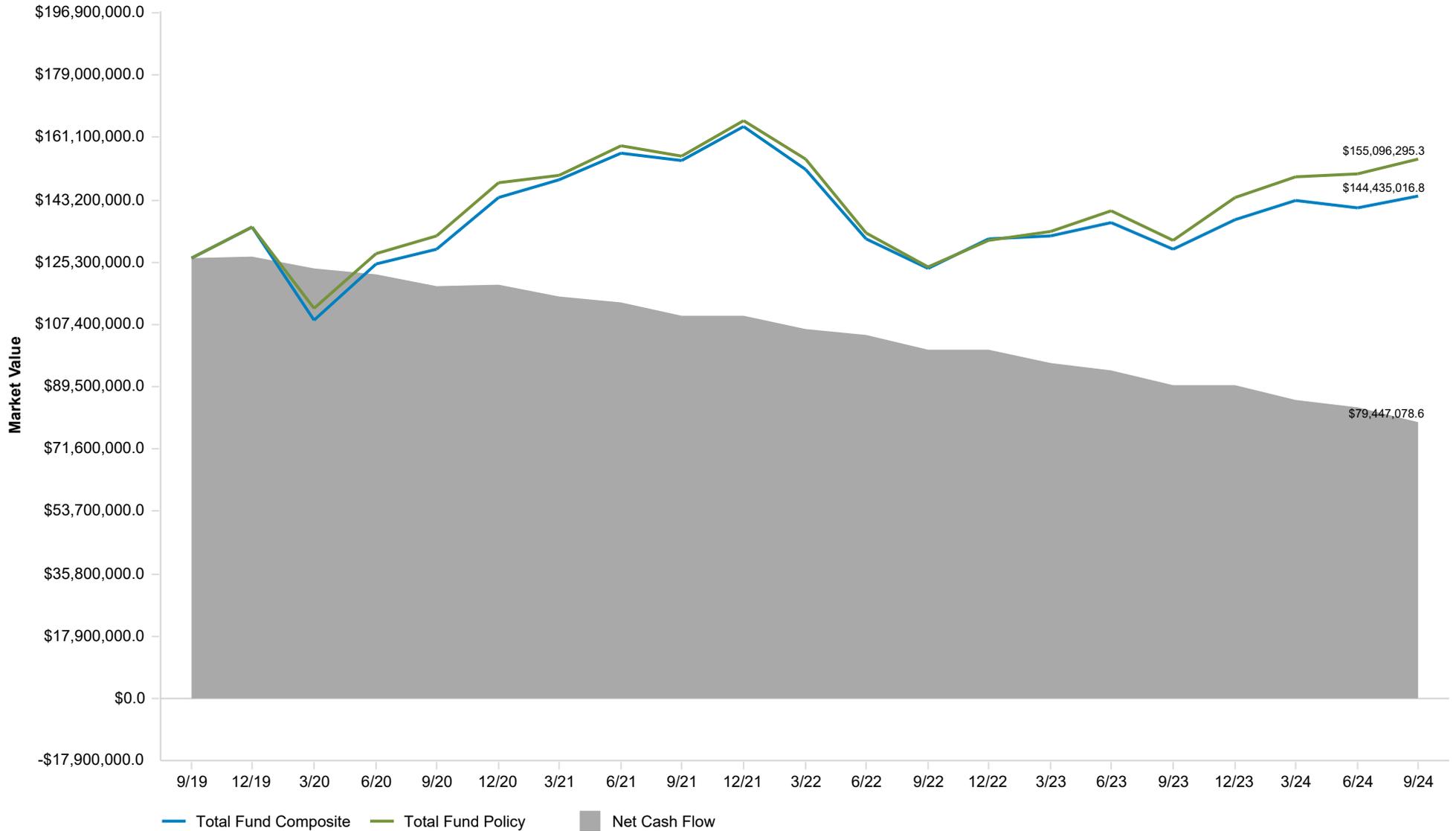
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Returns are expressed as percentages.

Comparative Performance - IRR

	QTD	1 YR	3 YR	Inception	Inception Date
Bloomfield Capital Income Fund V Series - A	10.21	0.52	1.63	9.72	12/21/2018
Bloomfield Capital Income Fund V Series - B	2.40	6.62	7.79	7.69	04/20/2021
Bloomfield Capital Income Fund V Series - C	3.69	9.50	N/A	9.92	03/31/2023
Metropolitan Real Estate Partners Secondaries & Co-Investments Fund, L.P.	0.00	-17.60	-10.74	2.92	12/30/2015
Abbott Secondary Opportunites II LP	0.00	7.46	19.55	19.31	07/23/2021
Portfolio Advisors Secondary Fund IV	1.32	3.48	6.50	9.56	08/09/2021
Sturbridge Diversified III	0.00	-8.65	N/A	26.13	12/16/2022
Terracap Partners V LP	0.00	-34.95	N/A	-13.00	05/03/2022

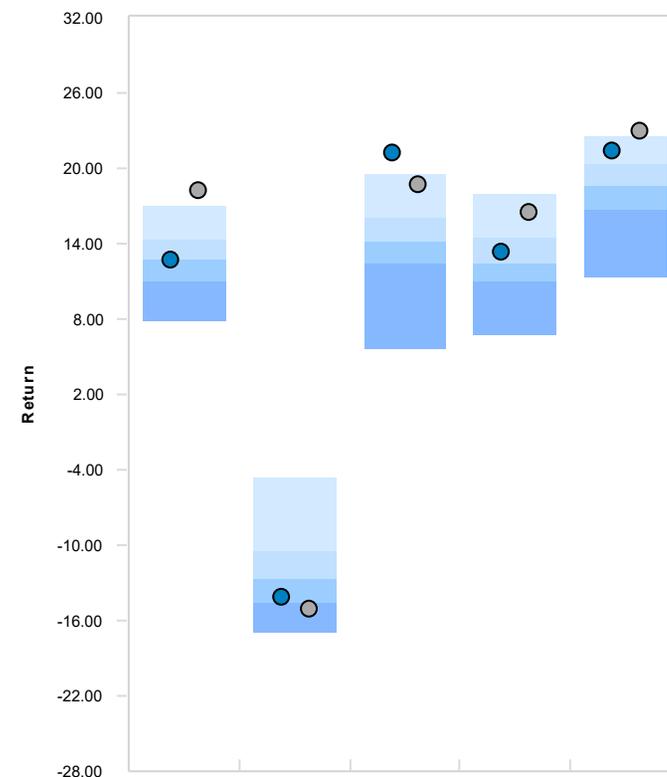
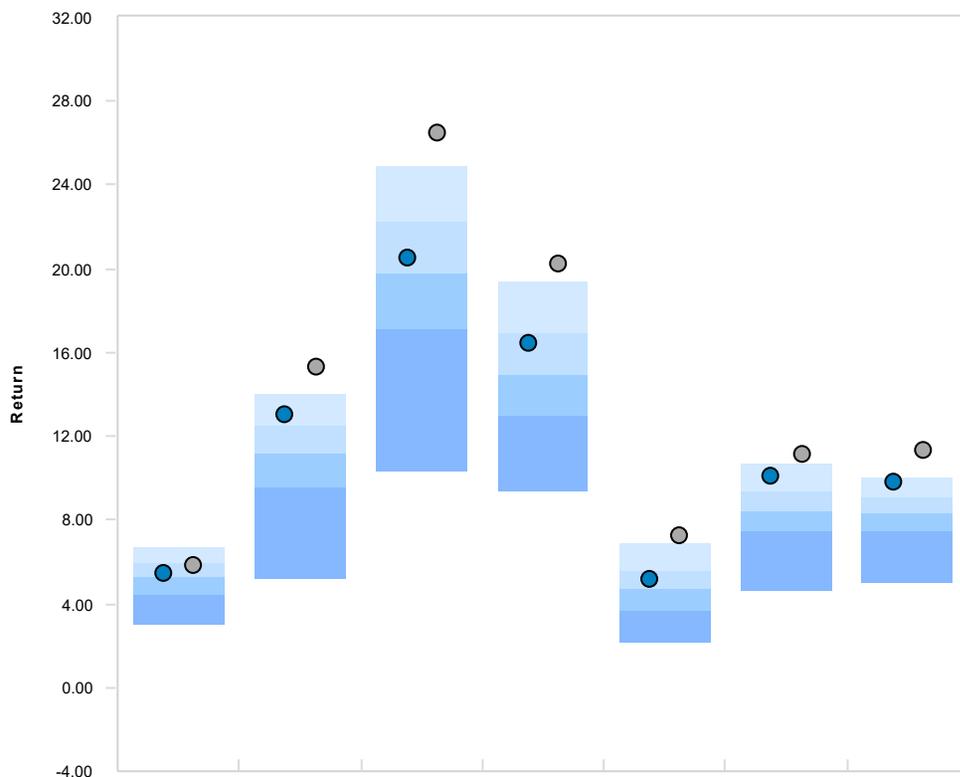
Schedule of Investable Assets
Total Fund
5 Years Ending September 30, 2024

Schedule of Investable Assets



Schedule of Investable Assets						
Periods Ending	Beginning Market Value	Contributions	Distributions	Gain/Loss	Net Cash Flow	Ending Market Value
	\$	\$	\$	\$	\$	\$
5 YR	126,403,213	376,989,684	-423,945,818	64,987,938	-46,956,135	144,435,017

Plan Sponsor Peer Group Analysis - All Public Plans-Total Fund



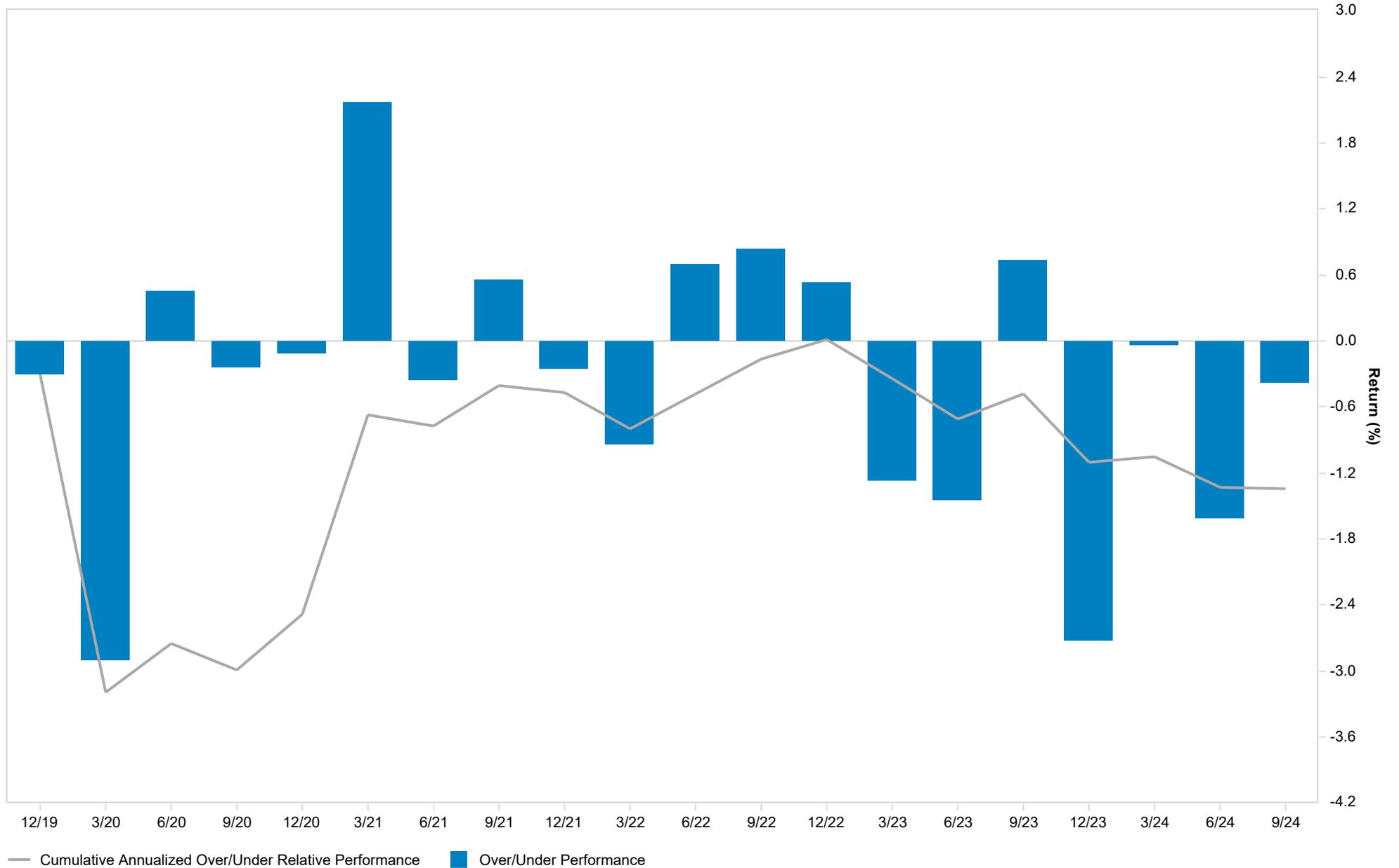
	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR
● Total Fund Composite	5.43 (45)	13.03 (18)	20.58 (44)	16.51 (30)	5.19 (36)	10.14 (10)	9.86 (7)
● Total Fund Policy	5.83 (31)	15.35 (1)	26.51 (3)	20.21 (4)	7.29 (3)	11.17 (3)	11.36 (2)
Median	5.32	11.16	19.81	14.92	4.71	8.44	8.31

	2023	2022	2021	2020	2019
● Total Fund Composite	12.73 (50)	-14.12 (70)	21.31 (3)	13.33 (38)	21.48 (12)
● Total Fund Policy	18.23 (2)	-15.08 (81)	18.81 (7)	16.59 (10)	23.06 (4)
Median	12.68	-12.65	14.14	12.47	18.63

Comparative Performance

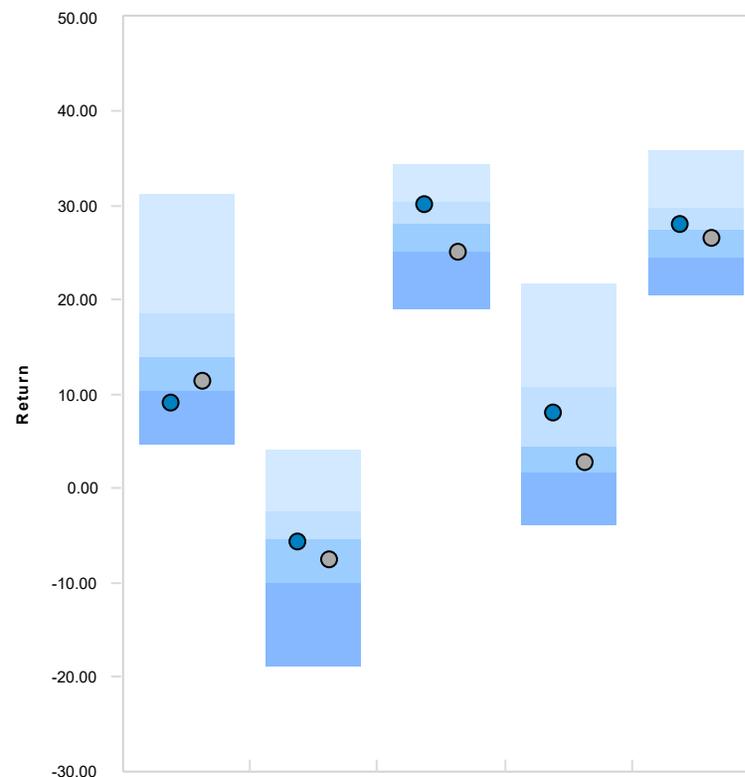
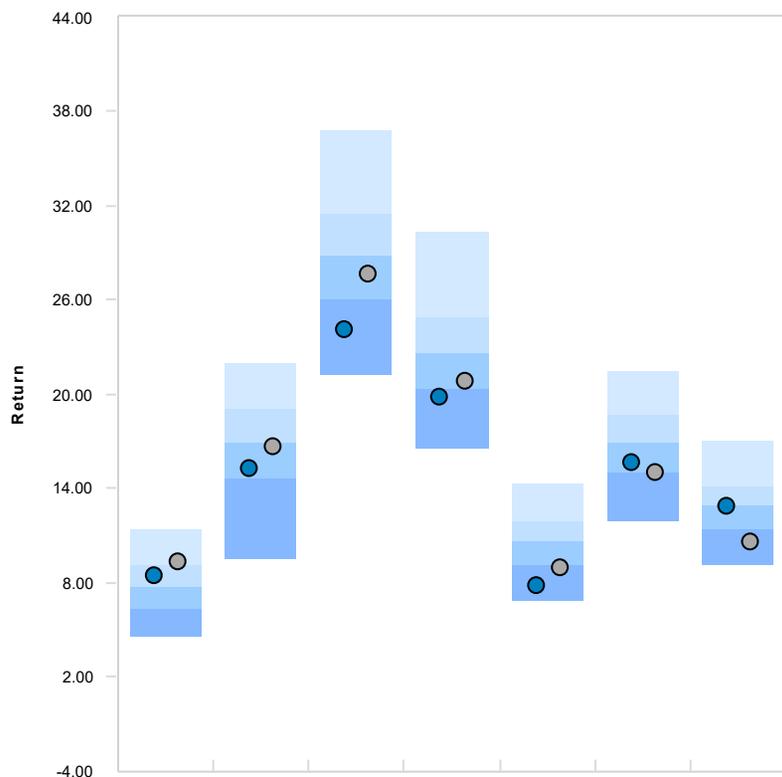
	1 Qtr Ending Jun-2024	1 Qtr Ending Mar-2024	1 Qtr Ending Dec-2023	1 Qtr Ending Sep-2023	1 Qtr Ending Jun-2023	1 Qtr Ending Mar-2023
Total Fund Composite	0.15 (92)	7.05 (2)	6.68 (74)	-2.42 (46)	4.23 (8)	3.90 (64)
Total Fund Policy	1.79 (9)	7.08 (2)	9.67 (9)	-3.13 (71)	5.75 (1)	5.23 (13)
All Public Plans-Total Fund Median	1.12	4.46	7.74	-2.53	3.11	4.16

Relative Performance



Calculation based on quarterly periodicity.
 Benchmark: 65% MSCI ACWi / 35% Barclays Global Agg

Peer Group Analysis - IM U.S. Large Cap Value Equity (SA+CF)



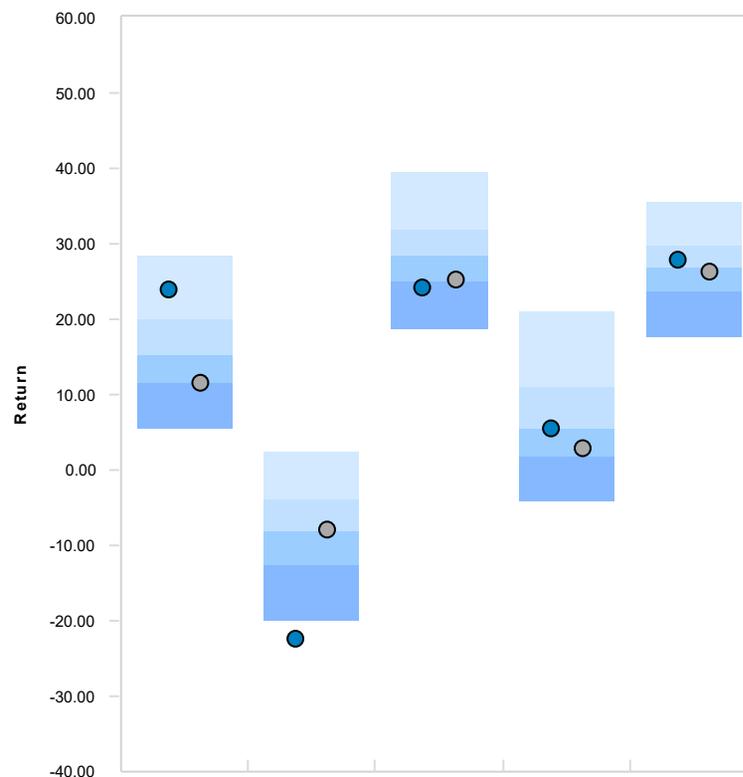
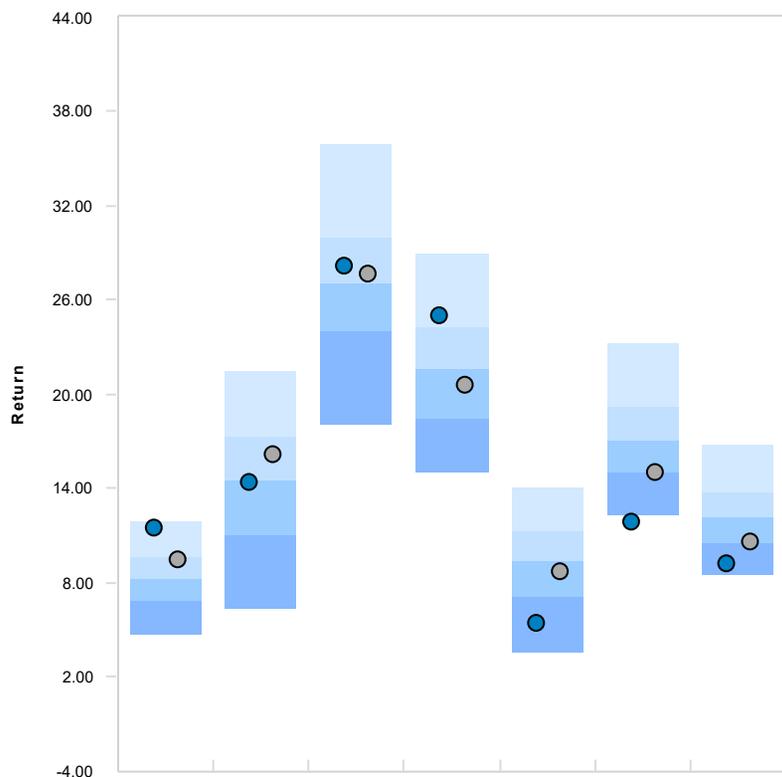
	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR
● Brandywine LCV	8.47 (36)	15.38 (69)	24.15 (88)	19.89 (80)	7.92 (90)	15.76 (68)	12.93 (48)
○ Russell 1000 Value Index	9.43 (19)	16.68 (55)	27.76 (60)	20.92 (71)	9.03 (78)	15.01 (76)	10.69 (85)
Median	7.72	16.99	28.85	22.65	10.70	16.96	12.89

	2023	2022	2021	2020	2019
● Brandywine LCV	9.06 (85)	-5.53 (55)	30.16 (27)	8.14 (37)	28.12 (44)
○ Russell 1000 Value Index	11.46 (70)	-7.54 (69)	25.16 (76)	2.80 (68)	26.54 (58)
Median	14.00	-5.41	28.03	4.55	27.52

Comparative Performance

	1 Qtr Ending Jun-2024	1 Qtr Ending Mar-2024	1 Qtr Ending Dec-2023	1 Qtr Ending Sep-2023	1 Qtr Ending Jun-2023	1 Qtr Ending Mar-2023
Brandywine LCV	-4.32 (93)	11.17 (26)	7.60 (93)	-1.42 (31)	2.66 (80)	0.14 (68)
Russell 1000 Value Index	-2.17 (69)	8.99 (60)	9.50 (66)	-3.16 (79)	4.07 (54)	1.01 (49)
IM U.S. Large Cap Value Equity (SA+CF) Median	-1.24	9.57	10.23	-2.17	4.29	0.95

Peer Group Analysis - IM U.S. Value Equity (SA+CF)



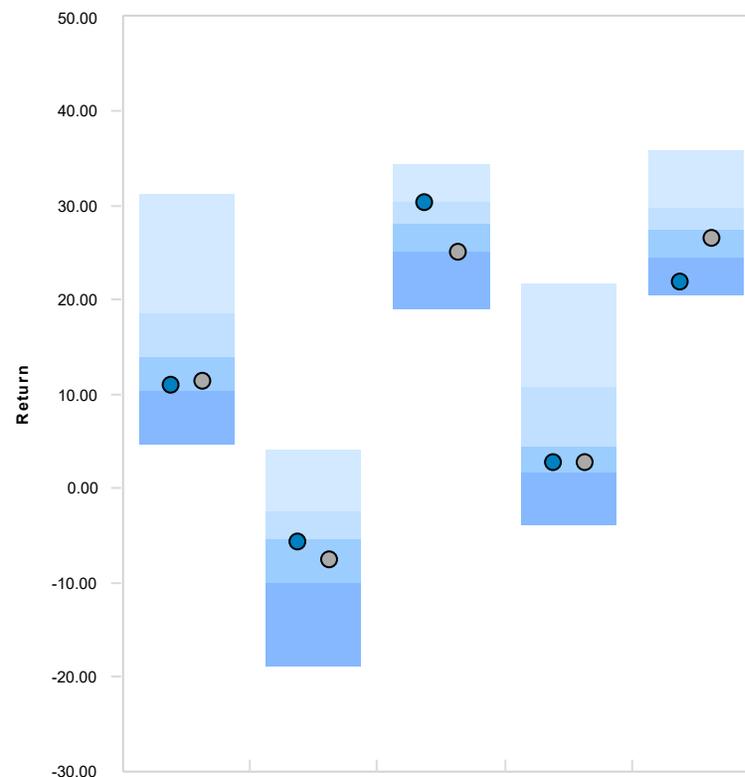
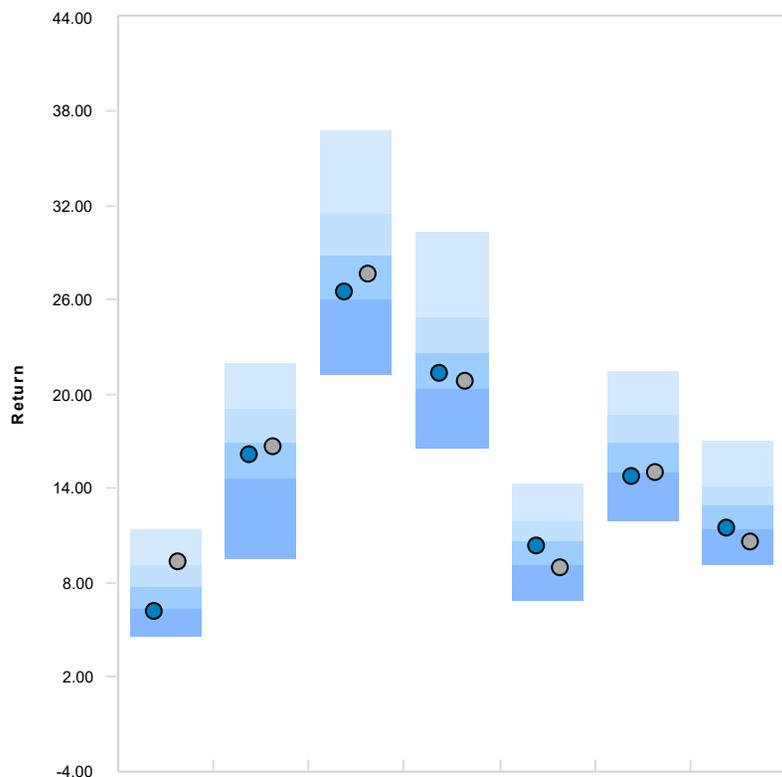
	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR
● New South Capital ACV	11.50 (8)	14.45 (52)	28.25 (41)	25.01 (20)	5.48 (88)	11.97 (96)	9.32 (89)
○ Russell 3000 Value Index	9.47 (27)	16.23 (36)	27.65 (45)	20.66 (58)	8.70 (60)	15.10 (75)	10.61 (74)
Median	8.20	14.58	27.08	21.62	9.41	17.11	12.11

	2023	2022	2021	2020	2019
● New South Capital ACV	23.92 (13)	-22.46 (98)	24.22 (79)	5.42 (51)	27.89 (41)
○ Russell 3000 Value Index	11.66 (76)	-7.98 (50)	25.37 (74)	2.87 (67)	26.26 (54)
Median	15.24	-8.13	28.33	5.64	26.77

Comparative Performance

	1 Qtr Ending Jun-2024	1 Qtr Ending Mar-2024	1 Qtr Ending Dec-2023	1 Qtr Ending Sep-2023	1 Qtr Ending Jun-2023	1 Qtr Ending Mar-2023
New South Capital ACV	-7.21 (99)	10.62 (19)	12.06 (37)	-5.11 (90)	7.39 (12)	8.51 (5)
Russell 3000 Value Index	-2.25 (48)	8.62 (46)	9.83 (71)	-3.15 (64)	4.03 (56)	0.91 (65)
IM U.S. Value Equity (SA+CF) Median	-2.36	8.24	11.22	-2.59	4.32	1.86

Peer Group Analysis - IM U.S. Large Cap Value (SA+CF)



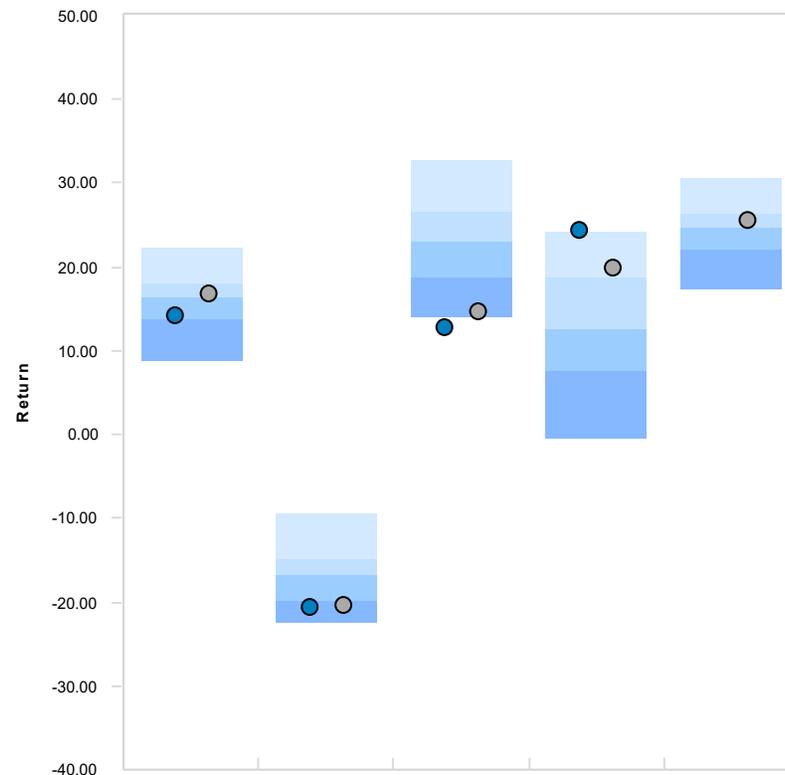
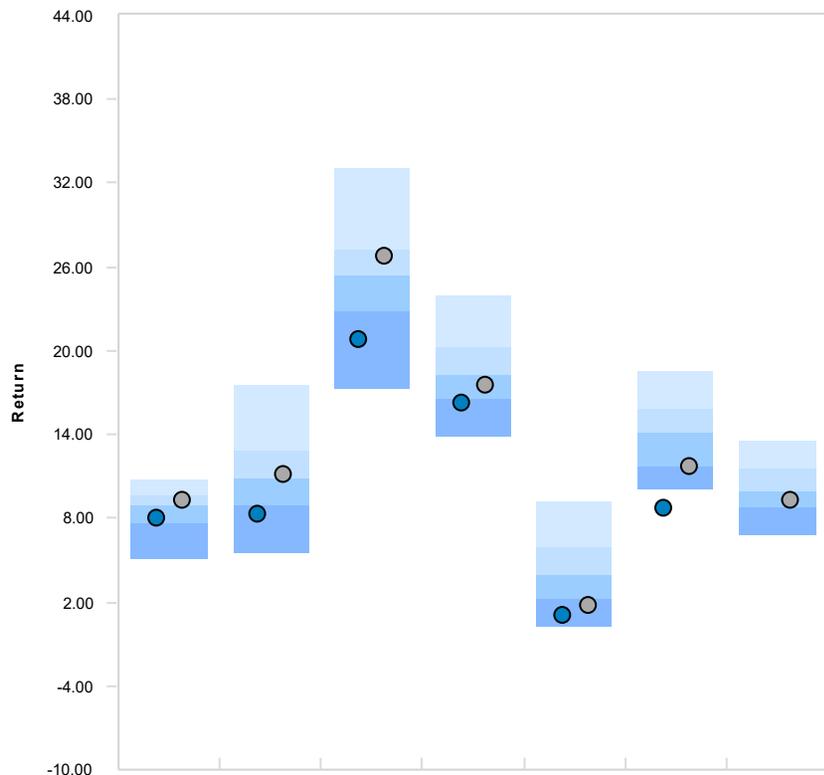
	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR
● PNC Large Cap Value	6.26 (77)	16.18 (59)	26.51 (73)	21.36 (66)	10.43 (56)	14.80 (79)	11.60 (73)
○ Russell 1000 Value Index	9.43 (19)	16.68 (55)	27.76 (60)	20.92 (71)	9.03 (78)	15.01 (76)	10.69 (85)
Median	7.72	16.99	28.85	22.65	10.70	16.96	12.89

	2023	2022	2021	2020	2019
● PNC Large Cap Value	11.00 (73)	-5.48 (53)	30.34 (26)	2.91 (67)	21.94 (91)
○ Russell 1000 Value Index	11.46 (70)	-7.54 (69)	25.16 (76)	2.80 (68)	26.54 (58)
Median	14.00	-5.41	28.03	4.55	27.52

Comparative Performance

	1 Qtr Ending Jun-2024	1 Qtr Ending Mar-2024	1 Qtr Ending Dec-2023	1 Qtr Ending Sep-2023	1 Qtr Ending Jun-2023	1 Qtr Ending Mar-2023
PNC Large Cap Value	-0.25 (29)	9.61 (50)	8.89 (78)	-1.67 (37)	4.06 (54)	-0.36 (78)
Russell 1000 Value Index	-2.17 (69)	8.99 (60)	9.50 (66)	-3.16 (79)	4.07 (54)	1.01 (49)
IM U.S. Large Cap Value (SA+CF)	-1.24	9.57	10.23	-2.17	4.29	0.95

Peer Group Analysis - Small Blend



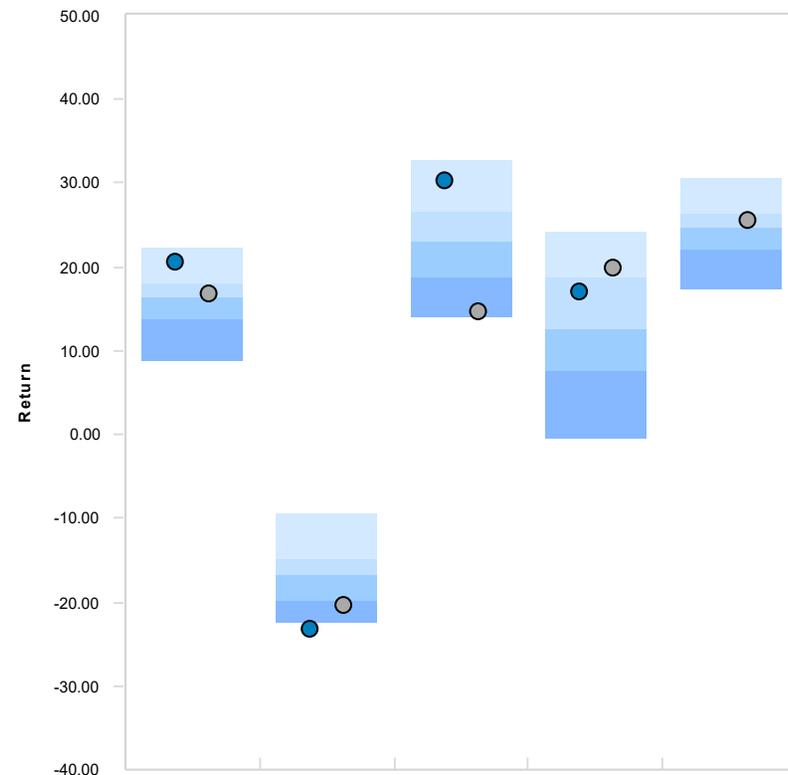
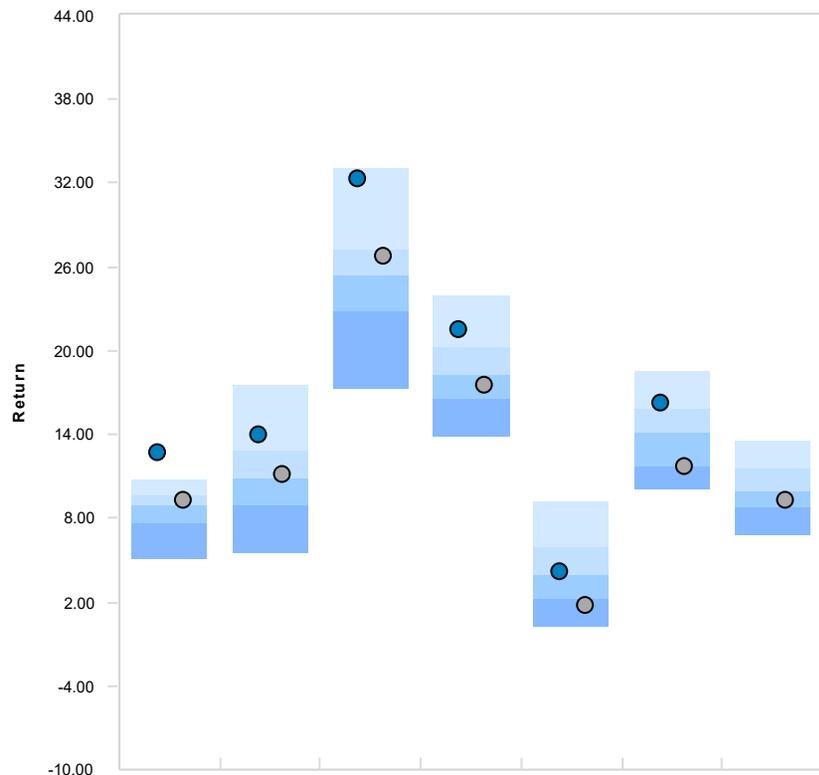
	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR
● Champlain Small Co	8.10 (67)	8.40 (81)	20.77 (87)	16.22 (77)	1.11 (91)	8.81 (99)	N/A
○ Russell 2000 Index	9.27 (35)	11.17 (45)	26.76 (30)	17.51 (57)	1.84 (80)	11.76 (76)	9.39 (61)
Median	8.86	10.87	25.44	18.27	3.90	14.10	9.94

	2023	2022	2021	2020	2019
● Champlain Small Co	14.28 (72)	-20.62 (85)	12.72 (99)	24.43 (5)	N/A
○ Russell 2000 Index	16.93 (40)	-20.44 (82)	14.82 (87)	19.96 (15)	25.53 (37)
Median	16.28	-16.77	22.88	12.50	24.57

Comparative Performance

	1 Qtr Ending Jun-2024	1 Qtr Ending Mar-2024	1 Qtr Ending Dec-2023	1 Qtr Ending Sep-2023	1 Qtr Ending Jun-2023	1 Qtr Ending Mar-2023
Champlain Small Co	-2.55 (27)	2.91 (89)	11.41 (77)	-6.74 (95)	5.31 (23)	4.44 (19)
Russell 2000 Index	-3.28 (45)	5.18 (58)	14.03 (21)	-5.13 (72)	5.21 (27)	2.74 (55)
Small Blend Median	-3.36	5.54	13.00	-4.62	4.51	2.83

Peer Group Analysis - Small Blend



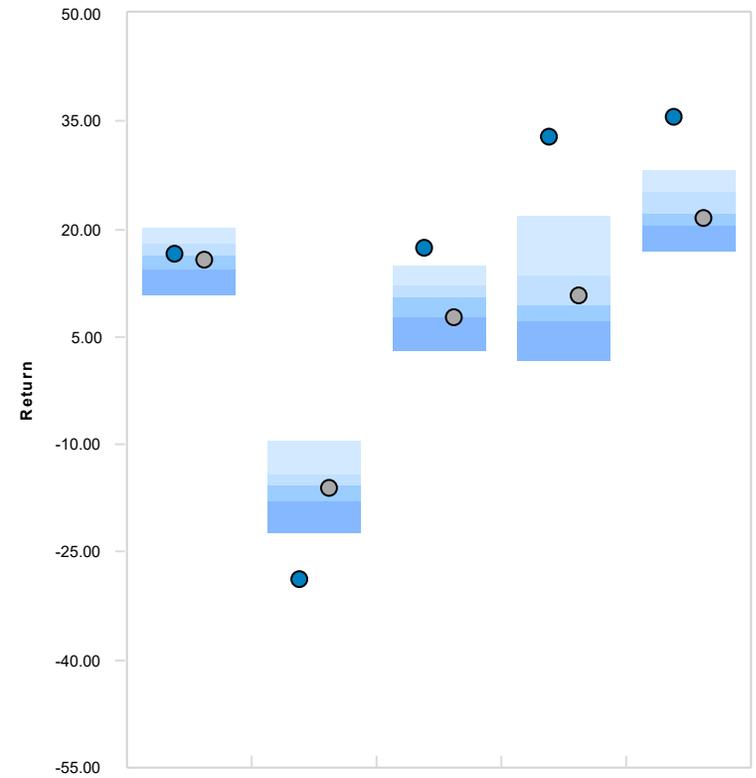
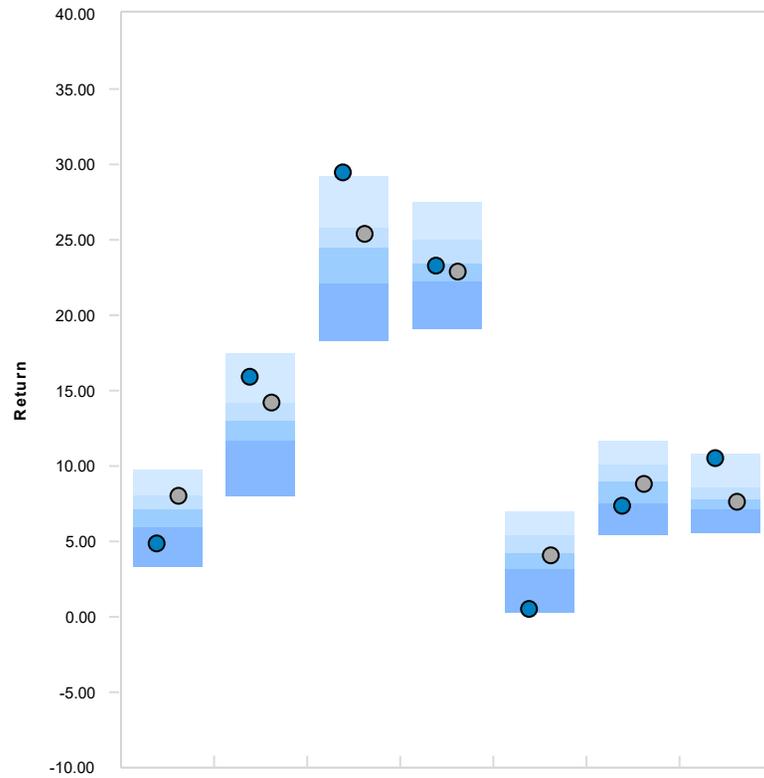
	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR
● Federated MDT SCC	12.70 (1)	13.99 (17)	32.37 (7)	21.48 (17)	4.26 (44)	16.27 (21)	N/A
○ Russell 2000 Index	9.27 (35)	11.17 (45)	26.76 (30)	17.51 (57)	1.84 (80)	11.76 (76)	9.39 (61)
Median	8.86	10.87	25.44	18.27	3.90	14.10	9.94

	2023	2022	2021	2020	2019
● Federated MDT SCC	20.59 (12)	-23.11 (97)	30.27 (12)	16.99 (33)	N/A
○ Russell 2000 Index	16.93 (40)	-20.44 (82)	14.82 (87)	19.96 (15)	25.53 (37)
Median	16.28	-16.77	22.88	12.50	24.57

Comparative Performance

	1 Qtr Ending Jun-2024	1 Qtr Ending Mar-2024	1 Qtr Ending Dec-2023	1 Qtr Ending Sep-2023	1 Qtr Ending Jun-2023	1 Qtr Ending Mar-2023
Federated MDT SCC	-4.13 (77)	5.50 (51)	16.12 (2)	-3.34 (26)	5.02 (37)	2.31 (76)
Russell 2000 Index	-3.28 (45)	5.18 (58)	14.03 (21)	-5.13 (72)	5.21 (27)	2.74 (55)
Small Blend Median	-3.36	5.54	13.00	-4.62	4.51	2.83

Peer Group Analysis - Foreign Large Blend



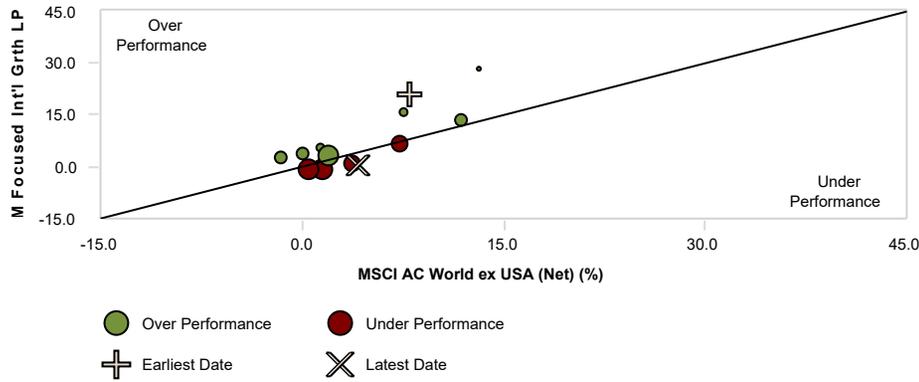
	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR
● WCM Focused Int'l Grth LP	4.93 (90)	15.93 (8)	29.42 (5)	23.29 (54)	0.54 (95)	7.36 (79)	10.57 (6)
● MSCI ACWI ex USA (Net)	8.06 (26)	14.21 (26)	25.35 (31)	22.85 (65)	4.14 (53)	8.76 (56)	7.59 (59)
Median	7.12	12.96	24.46	23.43	4.25	8.98	7.78

	2023	2022	2021	2020	2019
● WCM Focused Int'l Grth LP	16.61 (47)	-28.71 (100)	17.53 (3)	32.94 (1)	35.60 (1)
● MSCI ACWI ex USA (Net)	15.62 (61)	-16.00 (55)	7.82 (74)	10.65 (42)	21.51 (60)
Median	16.31	-15.68	10.45	9.25	21.99

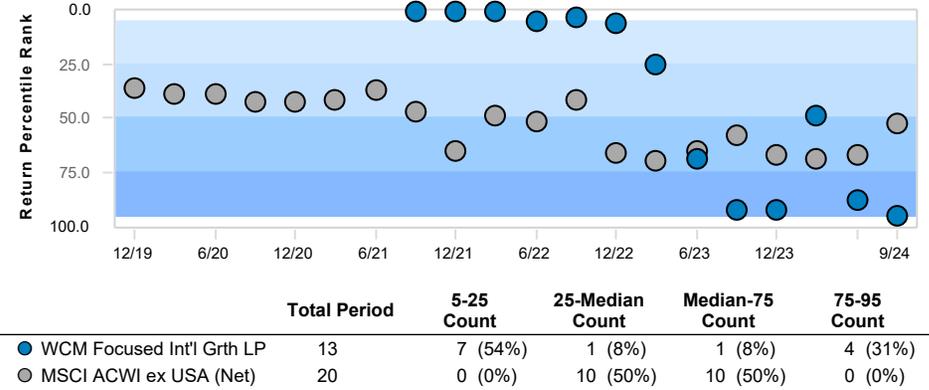
Comparative Performance

	1 Qtr Ending Jun-2024	1 Qtr Ending Mar-2024	1 Qtr Ending Dec-2023	1 Qtr Ending Sep-2023	1 Qtr Ending Jun-2023	1 Qtr Ending Mar-2023
WCM Focused Int'l Grth LP	-1.29 (89)	11.94 (1)	11.64 (9)	-8.79 (99)	3.72 (17)	10.40 (9)
MSCI AC World ex USA (Net)	0.96 (29)	4.69 (66)	9.75 (58)	-3.77 (23)	2.44 (70)	6.87 (76)
Foreign Large Blend Median	0.09	5.29	9.99	-4.70	2.88	7.87

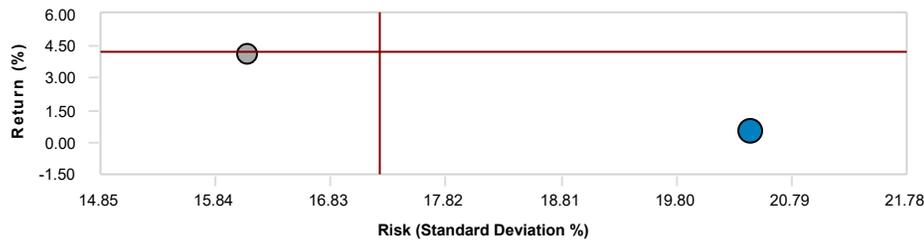
3 Yr Rolling Under/Over Performance - 5 Years



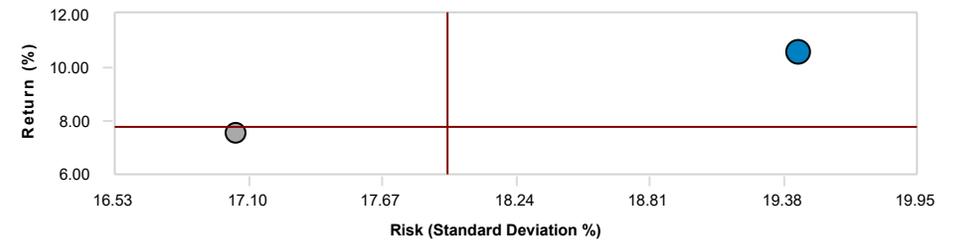
3 Yr Rolling Percentile Ranking - 5 Years



Peer Group Scattergram - 3 Years



Peer Group Scattergram - 5 Years



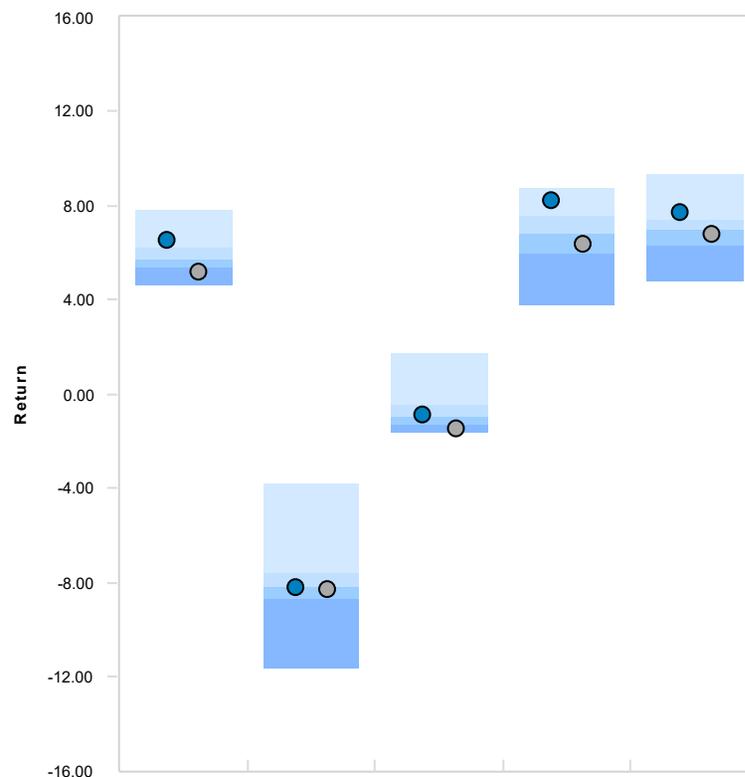
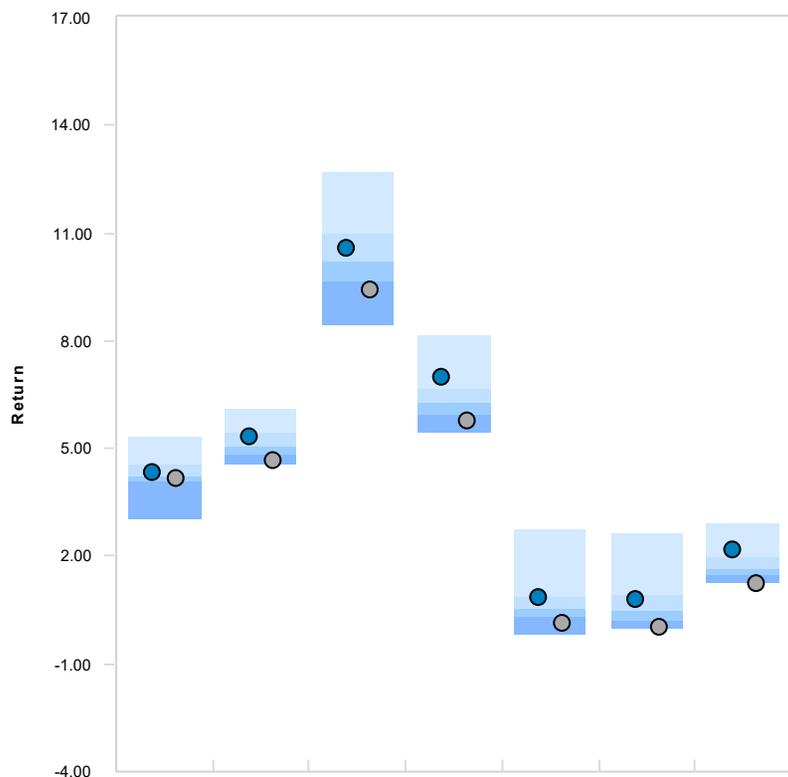
Historical Statistics - 3 Years

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
WCM Focused Int'l Grth LP	10.04	111.41	127.81	-3.26	-0.27	-0.04	1.11	14.29
MSCI ACWI ex USA (Net)	0.00	100.00	100.00	0.00	N/A	0.12	1.00	10.63

Historical Statistics - 5 Years

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
WCM Focused Int'l Grth LP	9.04	112.74	101.94	3.15	0.35	0.50	1.01	12.68
MSCI ACWI ex USA (Net)	0.00	100.00	100.00	0.00	N/A	0.38	1.00	11.34

Peer Group Analysis - IM U.S. Interm Duration (SA+CF)



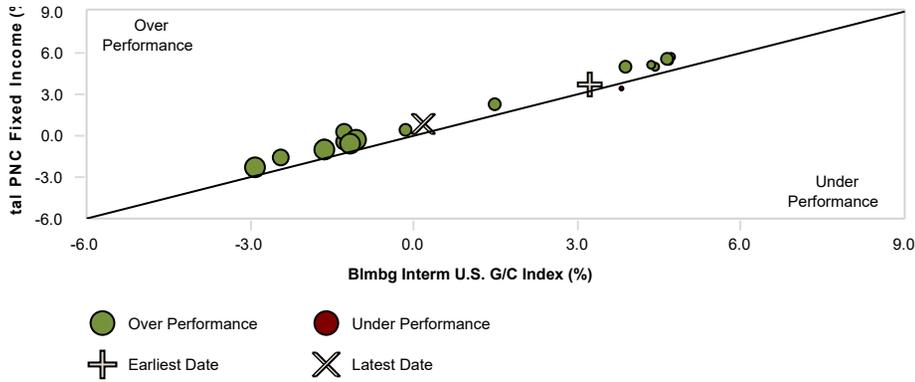
	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR
● Total PNC Fixed Income	4.32 (37)	5.32 (33)	10.57 (36)	6.98 (15)	0.85 (25)	0.83 (28)	2.17 (13)
● Blmbg U.S. G/C Index	4.17 (63)	4.68 (92)	9.45 (82)	5.76 (87)	0.17 (86)	0.03 (91)	1.26 (95)
Median	4.23	5.07	10.19	6.30	0.53	0.48	1.66

	2023	2022	2021	2020	2019
● Total PNC Fixed Income	6.55 (16)	-8.15 (52)	-0.82 (42)	8.23 (10)	7.72 (17)
● Blmbg U.S. G/C Index	5.24 (82)	-8.24 (60)	-1.44 (87)	6.43 (67)	6.80 (61)
Median	5.73	-8.13	-0.92	6.80	6.96

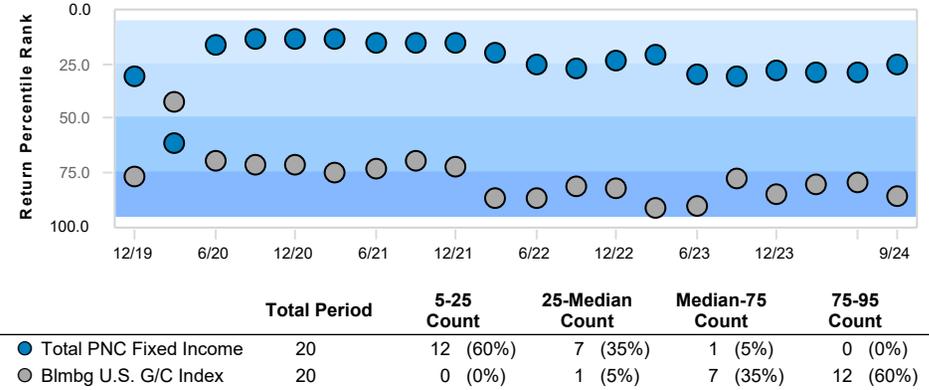
Comparative Performance

	1 Qtr Ending Jun-2024	1 Qtr Ending Mar-2024	1 Qtr Ending Dec-2023	1 Qtr Ending Sep-2023	1 Qtr Ending Jun-2023	1 Qtr Ending Mar-2023
Total PNC Fixed Income	0.76 (41)	0.19 (43)	4.99 (38)	-0.85 (55)	-0.28 (30)	2.65 (19)
Blmbg Interm U.S. G/C Index	0.64 (76)	-0.15 (83)	4.56 (69)	-0.83 (52)	-0.81 (90)	2.33 (59)
IM U.S. Interm Duration (SA+CF)	0.74	0.13	4.72	-0.83	-0.49	2.38

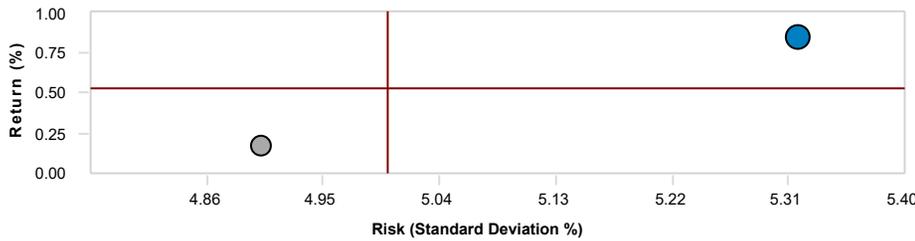
3 Yr Rolling Under/Over Performance - 5 Years



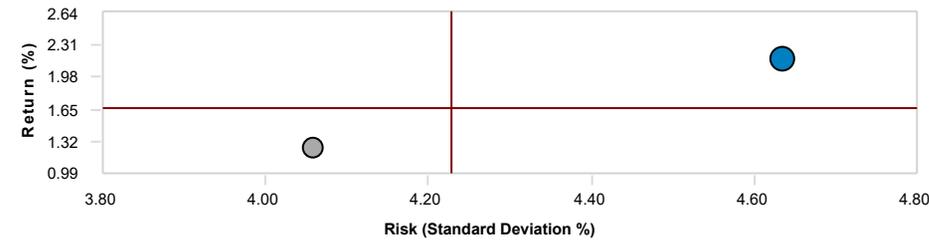
3 Yr Rolling Percentile Ranking - 5 Years



Peer Group Scattergram - 3 Years



Peer Group Scattergram - 5 Years



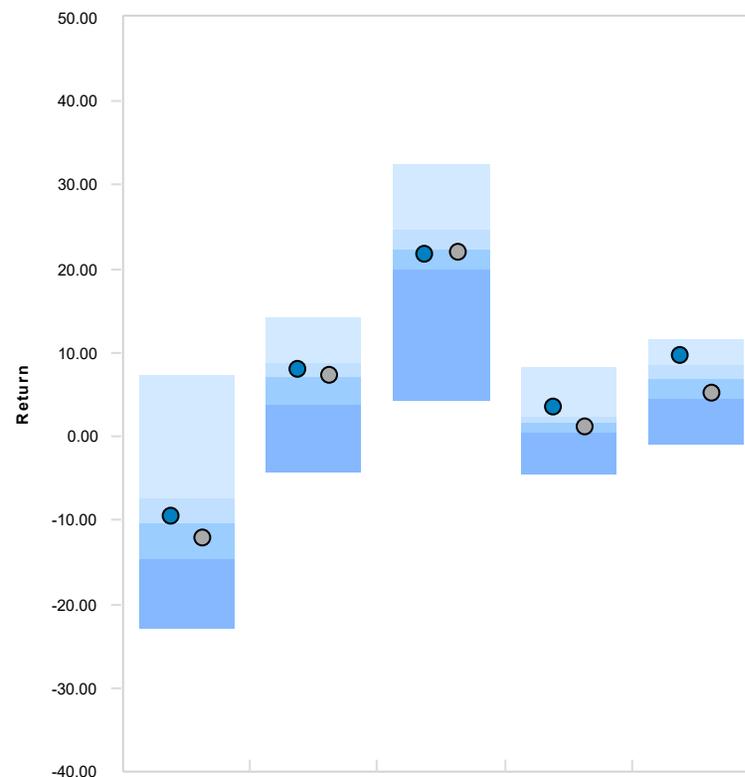
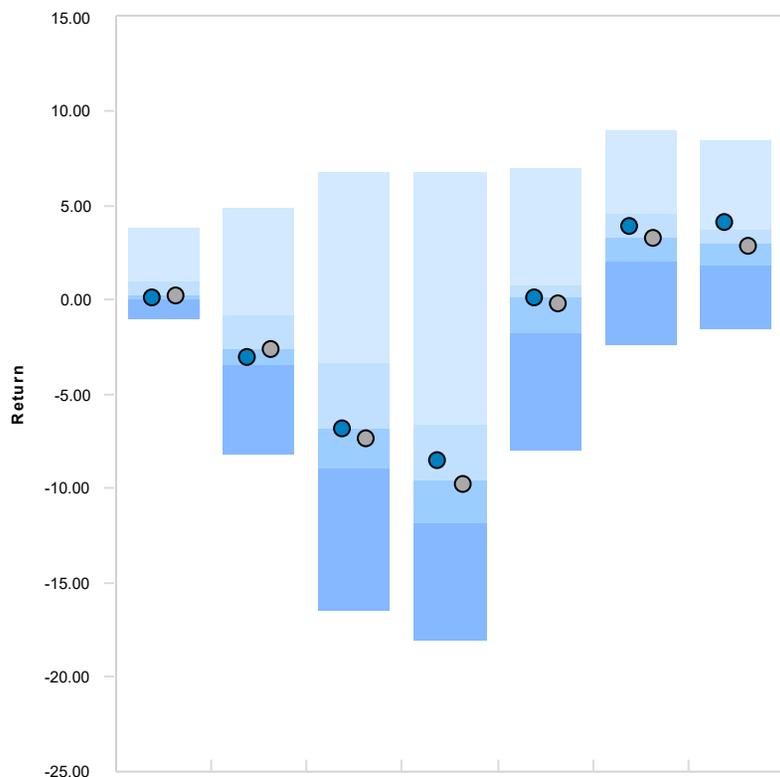
Historical Statistics - 3 Years

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Total PNC Fixed Income	0.80	111.66	102.14	0.67	0.87	-0.48	1.08	3.52
Blmbg U.S. G/C Index	0.00	100.00	100.00	0.00	N/A	-0.67	1.00	3.36

Historical Statistics - 5 Years

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Total PNC Fixed Income	1.28	120.04	106.46	0.79	0.72	-0.01	1.10	2.94
Blmbg U.S. G/C Index	0.00	100.00	100.00	0.00	N/A	-0.24	1.00	2.68

Peer Group Analysis - IM U.S. Open End Private Real Estate (SA+CF)



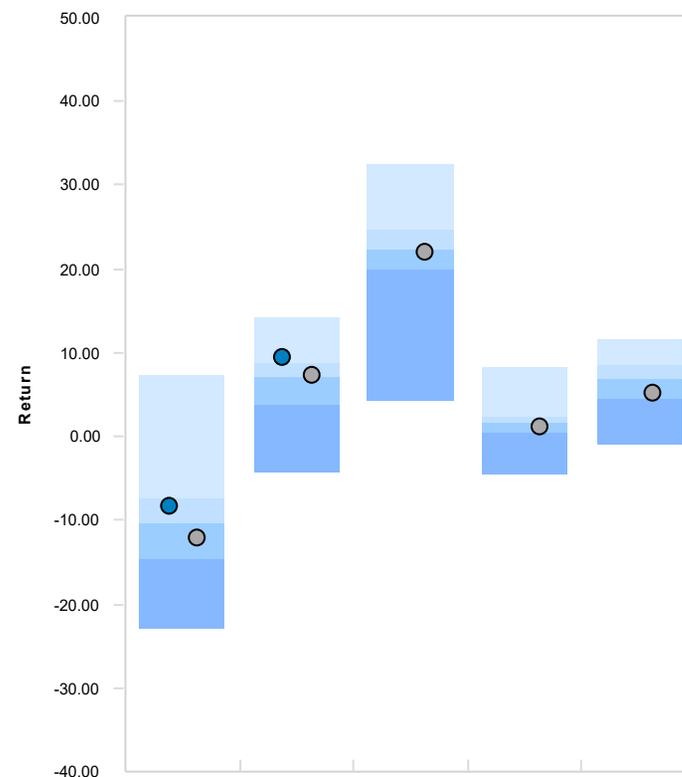
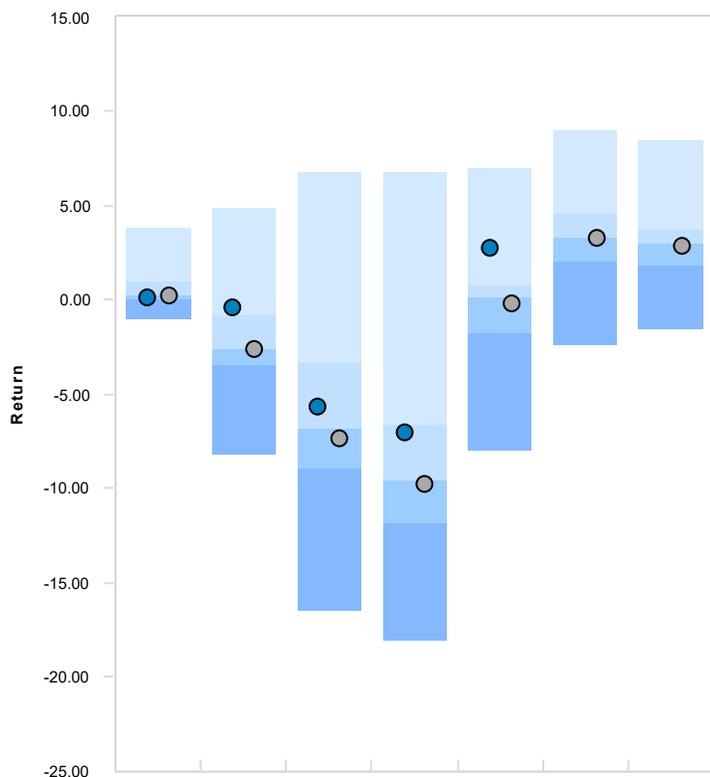
	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR
● American Strategic Value	0.18 (58)	-2.98 (61)	-6.80 (51)	-8.51 (36)	0.20 (47)	3.97 (31)	4.19 (20)
○ NCREIF ODCE (VW)	0.25 (51)	-2.56 (52)	-7.27 (53)	-9.74 (55)	-0.18 (52)	3.33 (48)	2.94 (52)
Median	0.25	-2.54	-6.78	-9.55	0.17	3.32	3.03

	2023	2022	2021	2020	2019
● American Strategic Value	-9.55 (32)	8.03 (38)	21.86 (53)	3.50 (14)	9.62 (13)
○ NCREIF ODCE (VW)	-12.02 (56)	7.47 (45)	22.17 (51)	1.19 (61)	5.34 (70)
Median	-10.49	7.13	22.30	1.57	6.93

Comparative Performance

	1 Qtr Ending Jun-2024	1 Qtr Ending Mar-2024	1 Qtr Ending Dec-2023	1 Qtr Ending Sep-2023	1 Qtr Ending Jun-2023	1 Qtr Ending Mar-2023
American Strategic Value	-0.80 (65)	-2.37 (65)	-3.94 (48)	-1.56 (29)	-1.94 (50)	-2.45 (47)
NCREIF Fund Index-ODCE (VW)	-0.45 (43)	-2.37 (65)	-4.83 (65)	-1.90 (42)	-2.68 (70)	-3.17 (63)
IM U.S. Open End Private Real Estate (SA+CF) Median	-0.69	-2.09	-4.00	-2.37	-1.94	-2.77

Peer Group Analysis - IM U.S. Open End Private Real Estate (SA+CF)



	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR
● TA Realty Core Property Fund LP	0.20 (57)	0.38 (24)	5.60 (42)	6.98 (27)	2.75 (16)	N/A	N/A
○ NCREIF ODCE (VW)	0.25 (51)	2.56 (52)	7.27 (53)	9.74 (55)	0.18 (52)	3.33 (48)	2.94 (52)
Median	0.25	2.54	6.78	9.55	0.17	3.32	3.03

	2023	2022	2021	2020	2019
● TA Realty Core Property Fund LP	-8.17 (29)	9.43 (13)	N/A	N/A	N/A
○ NCREIF ODCE (VW)	-12.02 (56)	7.47 (45)	22.17 (51)	1.19 (61)	5.34 (70)
Median	-10.49	7.13	22.30	1.57	6.93

Comparative Performance

	1 Qtr Ending Jun-2024	1 Qtr Ending Mar-2024	1 Qtr Ending Dec-2023	1 Qtr Ending Sep-2023	1 Qtr Ending Jun-2023	1 Qtr Ending Mar-2023
TA Realty Core Property Fund LP	0.39 (19)	-0.96 (27)	-5.25 (70)	-1.60 (33)	-1.01 (19)	-0.51 (17)
NCREIF Fund Index-ODCE (VW)	-0.45 (43)	-2.37 (65)	-4.83 (65)	-1.90 (42)	-2.68 (70)	-3.17 (63)
IM U.S. Open End Private Real Estate (SA+CF) Median	-0.69	-2.09	-4.00	-2.37	-1.94	-2.77

Fund Information

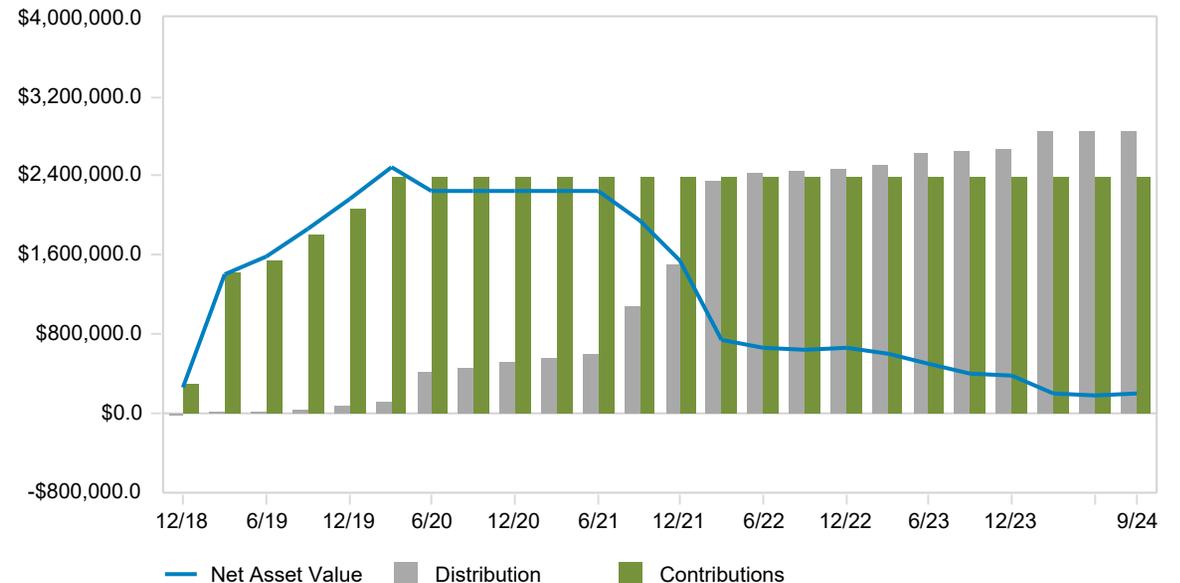
<p>Type of Fund: Direct</p> <p>Strategy Type: Real Estate - Debt</p> <p>Target IRR: 8.5% (Series A only)</p> <p>General Partner: Bloomfield Capital Partners V, LLC</p>	<p>Vintage Year: 2018</p> <p>Management Fee: 1.5%</p> <p>Inception: 11/16/2018</p>
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Investment Strategy: The investment strategy of each Series of the Fund will have a primary focus on private credit and specialty finance assets (which is expected to include real estate debt and other general debt and debt-related investments) with short to intermediate-term durations and often contractual cash flows. The Managing Member’s goal is to preserve invested capital, and generate returns that have a low correlation to traditional public markets (although there can be no assurances that this goal will be realized). The Fund will target middle market opportunities in real estate debt and other general debt and debt-related transactions (including REO properties, and preferred equity, that would include debt-like characteristics). The Fund generally will not invest in traditional leveraged common equity positions in real estate; however, the Fund may acquire REO and similar non-traditional properties and may also take incidental or pledged equity positions in connection with certain loans in order to obtain supplemental collateral to enhance the strength of the primary credit investment, and/or to expedite any requisite foreclosure process with such loan for the benefit of the Fund. The primary focus of private credit and specialty finance assets (including real estate debt and other general debt and debt-related investments) will be to capitalize on gap, transitional, bridge, special situation and opportunistic financings that are time sensitive, complex, and that the Managing Member believes offer attractive risk-adjusted returns. Each Series of the Fund may also variously co-invest in opportunities originated by other investors where the overall investment opportunity is of the same or similar nature as the Series typically invests.

Cash Flow Summary

Capital Committed:	\$3,000,000
Capital Invested:	\$2,385,367
Management Fees:	-
Expenses:	-
Interest:	-
Total Contributions:	\$2,385,367
Remaining Capital Commitment:	\$865,989
Total Distributions:	\$2,851,825
Market Value:	\$203,096
Inception Date:	12/21/2018
Inception IRR:	9.7
TVPI:	1.3

Cash Flow Analysis



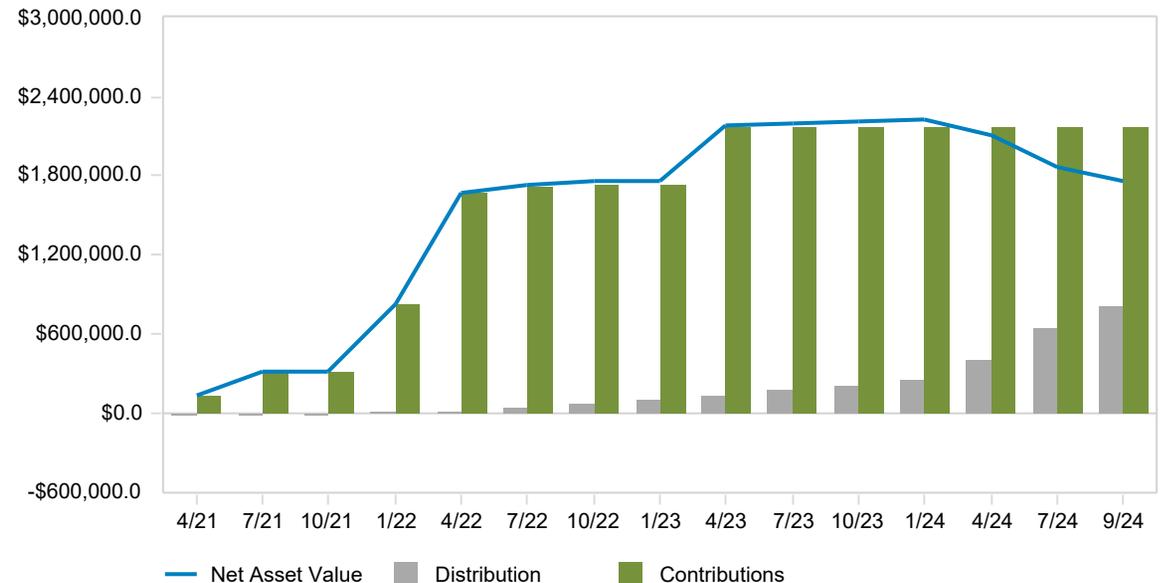
Fund Information

Type of Fund:	Direct	Vintage Year:	2021
Strategy Type:	Real Estate - Debt	Management Fee:	1.5% on capital commitments of \$10 million or more; 1.75% on capital commitments less than \$10 million
Target IRR:	7.5% cumulative but non-compounding annual rate of return on Capital Contributio	Inception:	04/01/2021
General Partner:	Bloomfield Capital Partners V, LLC		
Investment Strategy:	The investment strategy of each Series of the Fund will have a primary focus on private credit and specialty finance assets (which is expected to include real estate debt and other general debt and debt-related investments) with short to intermediate-term durations and often contractual cash flows. The Managing Member's goal is to preserve invested capital, and generate returns that have a low correlation to traditional public markets (although there can be no assurances that this goal will be realized). The Fund will target middle market opportunities in real estate debt and other general debt and debt-related transactions (including REO properties, and preferred equity, that would include debt-like characteristics). The Fund generally will not invest in traditional leveraged common equity positions in real estate; however, the Fund may acquire REO and similar non-traditional properties and may also take incidental or pledged equity positions in connection with certain loans in order to obtain supplemental collateral to enhance the strength of the primary credit investment, and/or to expedite any requisite foreclosure process with such loan for the benefit of the Fund. The primary focus of private credit and specialty finance assets (including real estate debt and other general debt and debt-related investments) will be to capitalize on gap, transitional, bridge, special situation and opportunistic financings that are time sensitive, complex, and that the Managing Member believes offer attractive risk-adjusted returns. Each Series of the Fund may also variously co-invest in opportunities originated by other investors where the overall investment opportunity is of the same or similar nature as the Series typically invests.		

Cash Flow Summary

Capital Committed:	\$1,000,000
Capital Invested:	\$2,166,648
Management Fees:	-
Expenses:	-
Interest:	-
Total Contributions:	\$2,166,648
Remaining Capital Commitment:	-\$1,166,648
Total Distributions:	\$806,753
Market Value:	\$1,755,581
Inception Date:	04/20/2021
Inception IRR:	7.7
TVPI:	1.2

Cash Flow Analysis



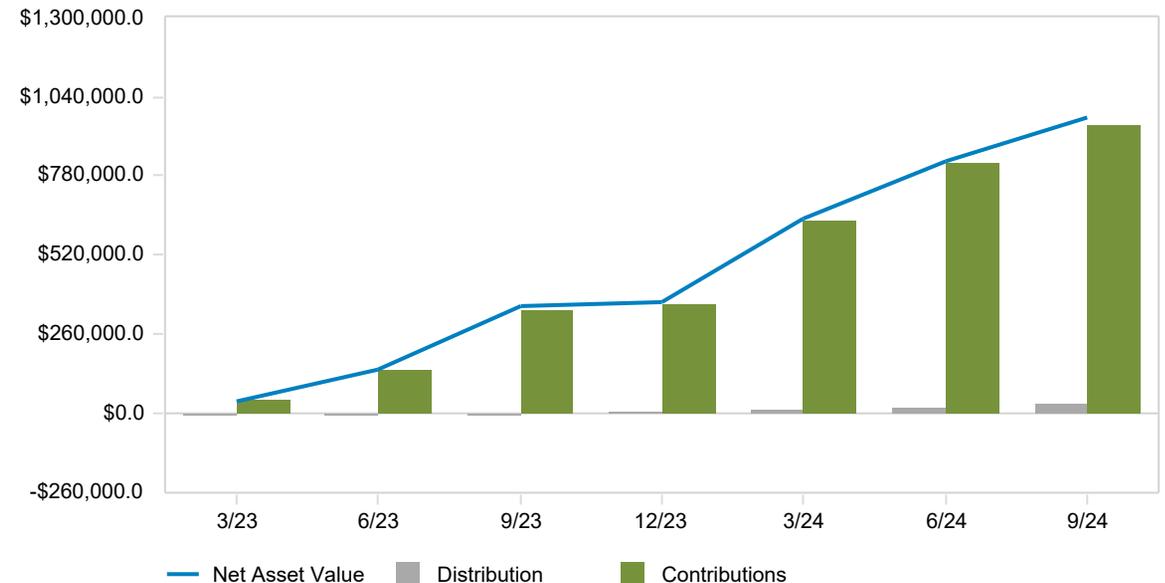
Fund Information

Type of Fund:	Direct	Vintage Year:	2021
Strategy Type:	Real Estate - Debt	Management Fee:	1.5% on capital commitments of \$10 million or more; 1.75% on capital commitments less than \$10 million
Target IRR:	7.5% cumulative but non-compounding annual rate of return on Capital Contributio	Inception:	04/01/2021
General Partner:	Bloomfield Capital Partners V, LLC		
Investment Strategy:	The investment strategy of each Series of the Fund will have a primary focus on private credit and specialty finance assets (which is expected to include real estate debt and other general debt and debt-related investments) with short to intermediate-term durations and often contractual cash flows. The Managing Member's goal is to preserve invested capital, and generate returns that have a low correlation to traditional public markets (although there can be no assurances that this goal will be realized). The Fund will target middle market opportunities in real estate debt and other general debt and debt-related transactions (including REO properties, and preferred equity, that would include debt-like characteristics). The Fund generally will not invest in traditional leveraged common equity positions in real estate; however, the Fund may acquire REO and similar non-traditional properties and may also take incidental or pledged equity positions in connection with certain loans in order to obtain supplemental collateral to enhance the strength of the primary credit investment, and/or to expedite any requisite foreclosure process with such loan for the benefit of the Fund. The primary focus of private credit and specialty finance assets (including real estate debt and other general debt and debt-related investments) will be to capitalize on gap, transitional, bridge, special situation and opportunistic financings that are time sensitive, complex, and that the Managing Member believes offer attractive risk-adjusted returns. Each Series of the Fund may also variously co-invest in opportunities originated by other investors where the overall investment opportunity is of the same or similar nature as the Series typically invests.		

Cash Flow Summary

Capital Committed:	\$1,000,000
Capital Invested:	\$949,400
Management Fees:	-
Expenses:	-
Interest:	-
Total Contributions:	\$949,400
Remaining Capital Commitment:	\$50,601
Total Distributions:	\$34,859
Market Value:	\$974,464
Inception Date:	03/31/2023
Inception IRR:	9.9
TVPI:	1.1

Cash Flow Analysis



Private Equity Fund Overview
Metropolitan Real Estate Partners Secondaries & Co-Investments Fund, L.P.

As of September 30, 2024

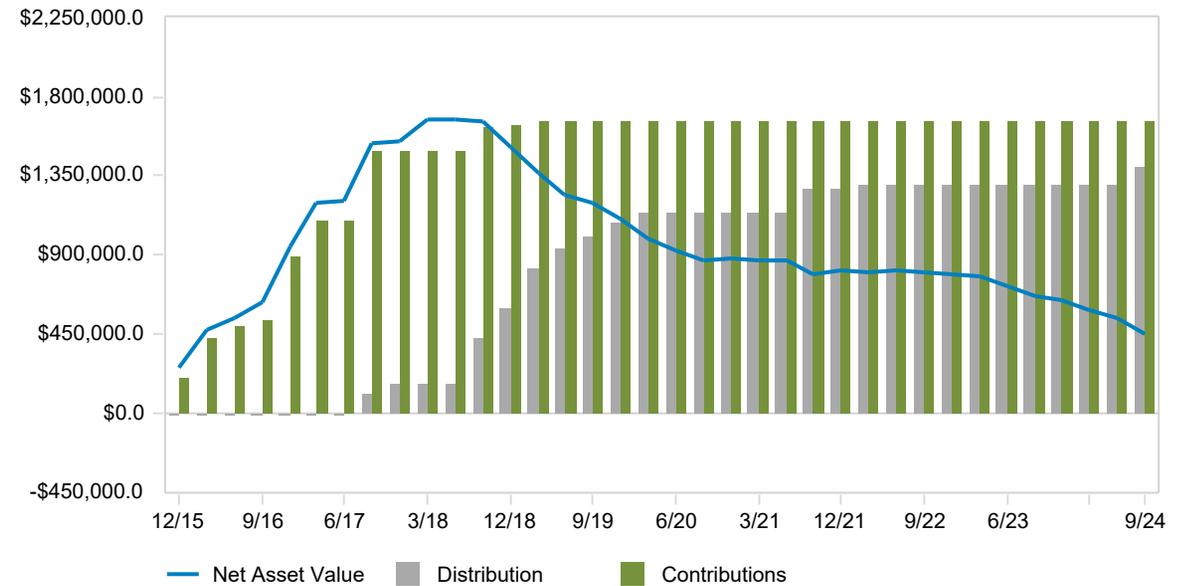
Fund Information

Type of Fund:	Other	Vintage Year:	2014
Strategy Type:	Real Estate	Management Fee:	1% of committed capital per annum during investment period. 1% of unreturned capital per annum thereafter.
Target IRR:	8.00%	Inception:	07/30/2014
General Partner:	MREP SCIF, LLC		
Investment Strategy:	MREP SCIF is a closed-end commingled partnership focused on the acquisition of secondary interests in value add and opportunistic real estate private equity funds and direct co-investments into properties. Metropolitan leverages our long standing relationships with underlying fund managers to source opportunities that match our target investment profile. This fund will predominantly invest in North America, Europe and Asia with the ability to invest a small amount of the committed capital in Latin America as well.		

Cash Flow Summary

Capital Committed:	\$2,000,000
Capital Invested:	\$1,661,691
Management Fees:	\$31,562
Expenses:	-
Interest:	-
Total Contributions:	\$1,661,691
Remaining Capital Commitment:	\$1,255,116
Total Distributions:	\$1,404,459
Market Value:	\$447,480
Inception Date:	12/30/2015
Inception IRR:	2.9
TVPI:	1.1

Cash Flow Analysis



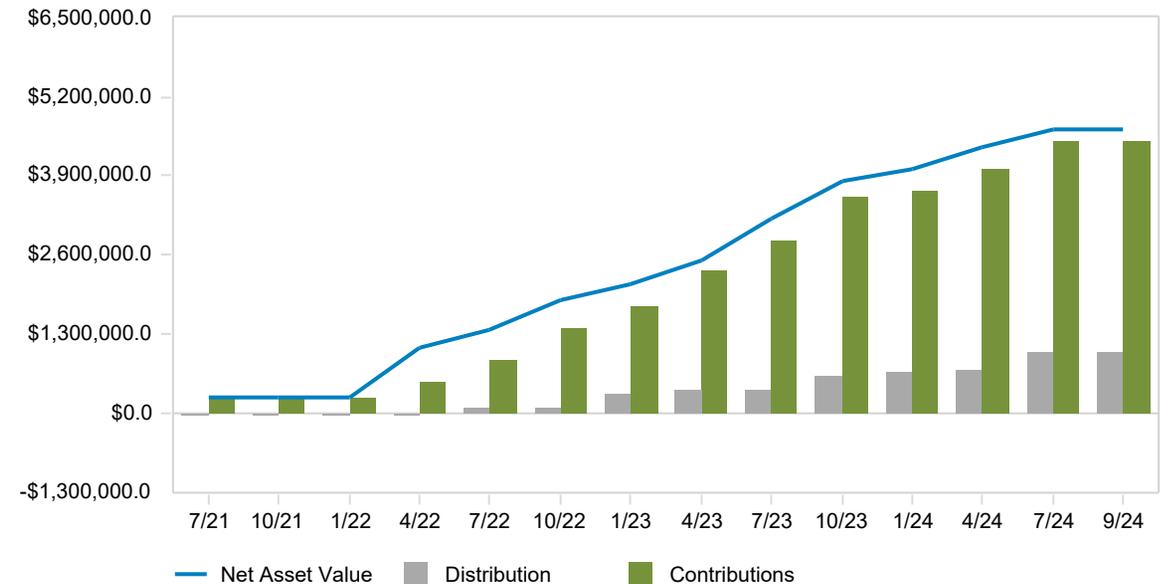
Fund Information

Type of Fund:	Secondary	Vintage Year:	2016
Strategy Type:	Secondaries	Management Fee:	Years 1 - 5 1.00% of Invested Capital Years 6+ 90% of prior years management fee.
Target IRR:		Inception:	07/01/2021
General Partner:			
Investment Strategy:	ASO II will employ an opportunistic approach at the smaller end of the secondary market. The target fund size is \$250M and the team plans to invest in 15-25 transactions over a four-year period, equating to approximately 20-40 underlying fund interests and 150-250 companies. The fund will invest in a broad array of investment opportunities with a focus primarily on buyout, growth equity, and venture capital, but it will also consider other investment opportunities, including but not limited to, co-investment opportunities, fund restructurings and direct secondaries.		

Cash Flow Summary

Capital Committed:	\$5,000,000
Capital Invested:	\$4,388,233
Management Fees:	\$98,094
Expenses:	-
Interest:	-
Total Contributions:	\$4,486,326
Remaining Capital Commitment:	\$1,413,674
Total Distributions:	\$1,000,000
Market Value:	\$4,658,385
Inception Date:	07/23/2021
Inception IRR:	19.3
TVPI:	1.3

Cash Flow Analysis



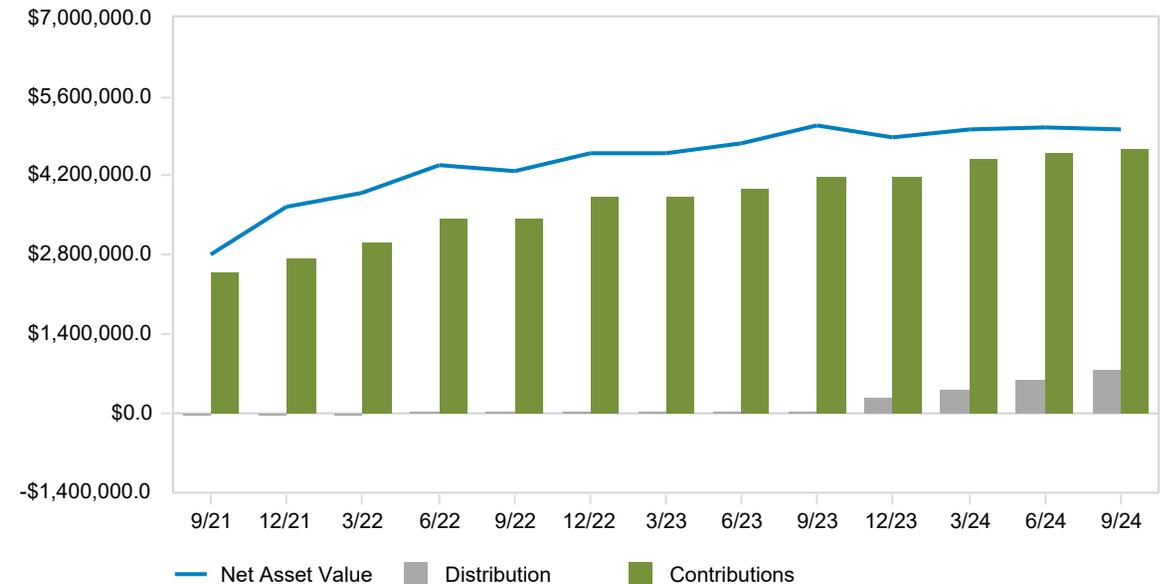
Fund Information

Type of Fund:	Secondary	Vintage Year:	2020
Strategy Type:	Secondaries	Management Fee:	Investment Period: 1.25% per annum, based on the value of closed investments
Target IRR:	10%; incentive: 10% on net gains in excess of the 10% preferred return, payable o	Inception:	12/31/2019
General Partner:	PASF IV (GP), LLC		
Investment Strategy:	PASF IV seeks to create a diversified portfolio of (i) private equity limited partnership interests purchased on the secondary market and (ii) a limited number of direct private equity co-investments that generate attractive risk adjusted returns. PA, through PASF IV, will leverage its extensive private markets experience, proprietary resources and long-standing industry relationships to source, underwrite and execute attractive secondary investments and co-investments. It is expected that the Fund will be diversified across vintage year, investment strategy, industry, geography and fund sponsor.		

Cash Flow Summary

Capital Committed:	\$5,000,000
Capital Invested:	\$4,686,118
Management Fees:	-
Expenses:	-
Interest:	-
Total Contributions:	\$4,686,118
Remaining Capital Commitment:	\$838,294
Total Distributions:	\$778,868
Market Value:	\$5,035,309
Inception Date:	08/09/2021
Inception IRR:	9.6
TVPI:	1.2

Cash Flow Analysis



Fund Information

Type of Fund:	Secondary	Vintage Year:	2021
Strategy Type:	Secondaries	Management Fee:	1.25%
Target IRR:	7.00%	Inception:	12/03/2021
General Partner:	SDPE III GP, LP		
Investment Strategy:	The investment strategy provides investors with attractive risk-adjusted returns through the construction of a highly diversified portfolio of secondary investments by participating in segments of the secondary market deemed less competitive.		

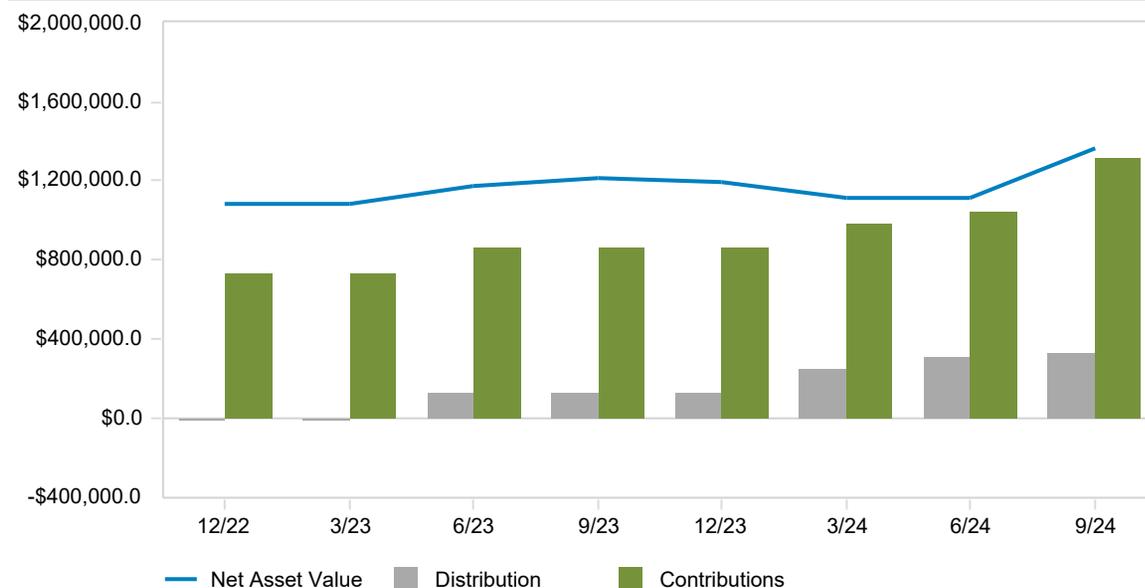
The primary focus is on the purchase of Fund-of-Funds and Secondary Funds (“Pooled Funds”). Each Pooled Fund typically owns diversified portfolios of underlying private equity funds. In addition, they pursue “Tail-End” transactions, which involves the purchase of private equity fund interests toward the end of their fund lives and close to their liquidation point. Pooled Funds and Tail-End transactions together comprise our Niche Fund transactions.

Management seeks to provide investors with a highly diversified private equity portfolio, acquired at a discount to Net Asset Value and expect the portfolio to be diversified across underlying funds, geographies, vintages, strategies, industries, and portfolio companies.

Cash Flow Summary

Capital Committed:	\$2,000,000
Capital Invested:	\$1,291,900
Management Fees:	-
Expenses:	\$18,866
Interest:	-
Total Contributions:	\$1,310,766
Remaining Capital Commitment:	\$926,040
Total Distributions:	\$328,986
Market Value:	\$1,361,262
Inception Date:	12/16/2022
Inception IRR:	26.1
TVPI:	1.2

Cash Flow Analysis



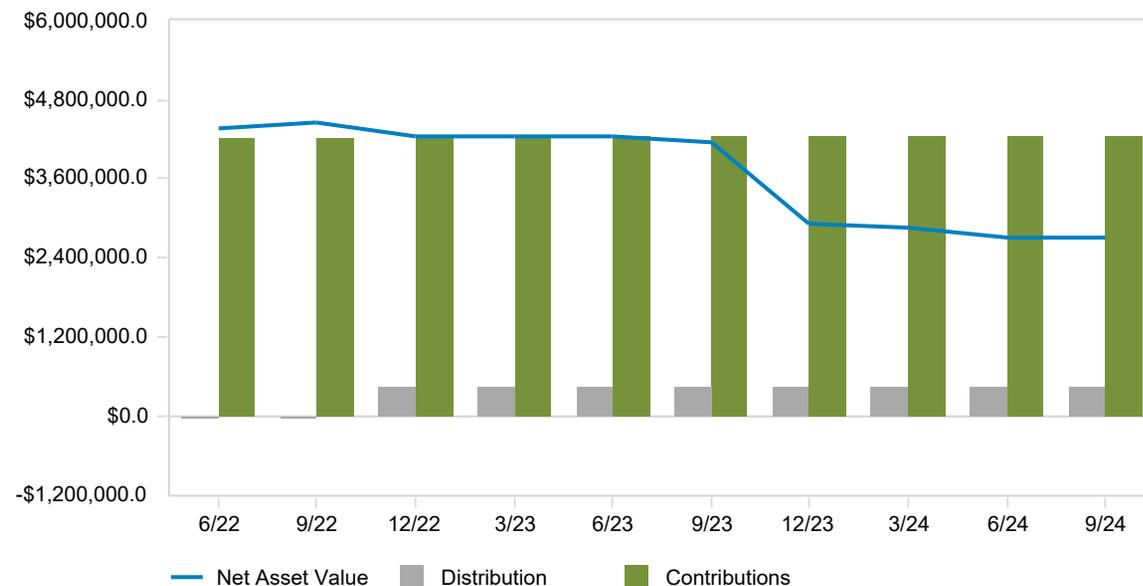
Fund Information

Type of Fund:	Partnership	Vintage Year:	2020
Strategy Type:	Value-Add Real Estate	Management Fee:	1.5% on Committed Capital During the Investment Period; 1.5% on Invested Capital thereafter
Target IRR:	8.00%	Inception:	01/01/2020
General Partner:	TerraCap Partners GP V LLC		
Investment Strategy:	TerraCap Management, LLC considers thematic factors such as business formation, employment growth and population growth, corporate relocations, GDP growth and in migration on a market-by-market basis, as most metros and submarkets have different economic-based industries and therefore move through their economic cycles differently. The Investment Manager makes moderate strategic overweighting or underweighting to markets, depending on the specific economic drivers influencing supply and demand. The Investment Manager intends to invest the Fund's assets so that no economic industry base will be allowed to dominate any property or the portfolio's performance.		

Cash Flow Summary

Capital Committed:	\$4,000,000
Capital Invested:	\$4,000,000
Management Fees:	\$32,400
Expenses:	\$229,751
Interest:	-
Total Contributions:	\$4,262,151
Remaining Capital Commitment:	-\$229,751
Total Distributions:	\$441,216
Market Value:	\$2,703,520
Inception Date:	05/28/2022
Inception IRR:	-13.0
TVPI:	0.7

Cash Flow Analysis



Total Fund Policy			
Allocation Mandate	Weight (%)	Allocation Mandate	Weight (%)
Jan-1990		Dec-2016	
S&P 500 Index	38.00	Russell 3000 Index	60.00
Russell 3000 Index	9.00	MSCI AC World ex USA (Net)	12.00
MSCI AC World ex USA	16.00	Blmbg. U.S. Aggregate Index	16.00
Bloomberg Intermediate US Govt/Credit Idx	14.00	NCREIF Fund Index-ODCE (EW) (Net)	10.00
Russell 2000 Index	13.00	90 Day U.S. Treasury Bill	2.00
NCREIF Fund Index-ODCE (VW)	5.00		
HFRI Macro (Total) Index	3.00	Jun-2019	
90 Day U.S. Treasury Bill	2.00	Russell 3000 Index	64.00
		MSCI AC World ex USA (Net)	8.00
Mar-2001		Blmbg. U.S. Aggregate Index	14.00
S&P 500 Index	38.00	NCREIF Fund Index-ODCE (EW) (Net)	12.00
Russell 3000 Index	9.00	90 Day U.S. Treasury Bill	2.00
MSCI AC World ex USA (Net)	16.00		
Bloomberg Intermediate US Govt/Credit Idx	14.00	Oct-2021	
Russell 2000 Index	13.00	Russell 3000 Index	64.00
NCREIF Fund Index-ODCE (VW)	5.00	MSCI AC World ex USA (Net)	8.00
HFRI Macro (Total) Index	3.00	Bloomberg Intermediate US Govt/Credit Idx	14.00
90 Day U.S. Treasury Bill	2.00	NCREIF Fund Index-ODCE (EW) (Net)	7.00
		Russell 2000 Index	5.00
Jul-2013		90 Day U.S. Treasury Bill	2.00
Russell 1000 Index	42.00		
MSCI AC World ex USA (Net)	17.00	Dec-2022	
Bloomberg Intermediate US Govt/Credit Idx	12.00	Russell 3000 Index	64.00
Russell 2000 Index	15.00	MSCI AC World ex USA (Net)	8.00
NCREIF Fund Index-ODCE (EW) (Net)	10.00	Bloomberg Intermediate US Govt/Credit Idx	6.00
HFRI Macro (Total) Index	2.00	NCREIF Fund Index-ODCE (EW) (Net)	10.00
90 Day U.S. Treasury Bill	2.00	Russell 2000 Index	10.00
		90 Day U.S. Treasury Bill	2.00
Jan-2015			
Russell 1000 Index	44.00		
MSCI AC World ex USA (Net)	15.00		
Bloomberg Intermediate US Govt/Credit Idx	12.00		
Russell 2000 Index	15.00		
NCREIF Fund Index-ODCE (EW) (Net)	10.00		
HFRI Macro (Total) Index	2.00		
90 Day U.S. Treasury Bill	2.00		

Benchmark History
Investment Policy Benchmarks

As of September 30, 2024

Total Domestic Equity Policy

Allocation Mandate	Weight (%)
--------------------	------------

Jan-1979

Russell 3000 Index	100.00
--------------------	--------

Jul-2013

Russell 1000 Index	74.00
Russell 2000 Index	26.00

Jan-2015

Russell 1000 Index	75.00
Russell 2000 Index	25.00

Jun-2019

Russell 3000 Index	100.00
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Total International Equity Policy

Allocation Mandate	Weight (%)
--------------------	------------

Jan-1988

MSCI AC World ex USA	100.00
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Mar-2001

MSCI AC World ex USA (Net)	100.00
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Total Fixed Income Policy

Allocation Mandate	Weight (%)
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Jan-1973

Bloomberg Intermediate US Govt/Credit Idx	100.00
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Dec-2016

Blmbg. U.S. Aggregate Index	100.00
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Jun-2019

Bloomberg Intermediate US Govt/Credit Idx	100.00
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Total Real Estate Policy

Allocation Mandate	Weight (%)
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Jan-1978

NCREIF Fund Index-ODCE (VW)	100.00
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Total Hedge Fund Policy

Allocation Mandate	Weight (%)
--------------------	------------

Jan-1990

HFRI Macro (Total) Index	100.00
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Taylor Police & Fire Retirement System

Fee Analysis

As of September 30, 2024

	Estimated Annual Fee (%)	Market Value (\$)	Estimated Annual Fee (\$)	Fee Schedule
Total Domestic Equity Composite	0.26	102,327,273	264,569	
Fidelity Lrg Cap Gro Idx (FSPGX)	0.04	24,715,259	8,650	0.04 % of Assets
PNC Large Cap Value	0.30	13,782,301	41,347	0.30 % of Assets
Newsouth Capital All Cap Value	0.75	9,513,850	71,354	0.75 % of Assets
Fidelity Mid Cap Index (FSMDX)	0.03	17,080,455	4,270	0.03 % of Assets
Brandywine Large Cap Value	0.44	12,789,487	56,158	0.45 % of First \$10 M 0.40 % of Next \$15 M 0.38 % of Next \$25 M 0.35 % of Next \$50 M 0.30 % Thereafter
Champlain Small Company (CIPNX)	0.99	2,831,642	28,033	0.99 % of Assets
Federated MDT Small Cap Core (QISCX)	0.89	5,887,366	52,398	0.89 % of Assets
Fidelity 500 Index Institutional (FXAIX)	0.02	15,726,913	2,359	0.02 % of Assets
Total International/Global Equity	0.85	6,667,006	56,670	
WCM Focused Int'l Growth Fund LP	0.85	6,667,006	56,670	0.85 % of Assets
Total Fixed Income Composite	0.64	8,803,667	56,705	
PNC Core Fixed Income	0.20	5,694,699	11,389	0.20 % of Assets
PNC High Yield Fixed Income (PIHBX)	0.75	175,826	1,319	0.75 % of Assets
Total Real Estate Composite	1.08	12,340,848	133,456	
Metropolitan Real Estate Partners Secondaries & Co-Investments Fund, L.P.	1.00	447,480	4,475	1.00 % of Assets
American Strategic Value Realty	1.10	2,645,360	29,099	1.10 % of First \$25 M 0.95 % of Next \$50 M 0.85 % Thereafter
TA Realty Core Property Fund LP	0.70	6,544,488	45,811	0.70 % of Assets
Terracap Partners V LP	2.00	2,703,520	54,070	2.00 % of First \$10 M 1.75 % of Next \$10 M 1.50 % Thereafter
Bloomfield Capital Income Fund V Series - A	1.50	203,096	3,046	1.50 % of Assets
Bloomfield Capital Income Fund V Series - B	1.50	1,755,581	26,334	1.50 % of Assets
Bloomfield Capital Income Fund V Series - C	1.50	974,464	14,617	1.50 % of Assets

Fee information on this page is an illustrative estimate of management fees based on current reported portfolio values. Fee estimates do not reflect actual calculation methodologies or applicable carried interest.

Taylor Police & Fire Retirement System

Fee Analysis

As of September 30, 2024

	Estimated Annual Fee (%)	Market Value (\$)	Estimated Annual Fee (\$)	Fee Schedule
Total Private Equity Composite	1.14	11,054,956	126,541	
Abbott Secondary Opportunites II LP	1.00	4,658,385	46,584	1.00 % of Assets
Portfolio Advisors Secondary Fund IV	1.25	5,035,309	62,941	1.25 % of Assets
Sturbridge Diversified III	1.25	1,361,262	17,016	1.25 % of Assets
Total Cash Composite		3,241,267	-	
Cash Account		2,749,794	-	
Cash Account from Commingled Fund		491,473	-	
Total Fund Composite	0.44	144,435,017	637,940	

Fee information on this page is an illustrative estimate of management fees based on current reported portfolio values. Fee estimates do not reflect actual calculation methodologies or applicable carried interest.

Active Return	- Arithmetic difference between the manager's performance and the designated benchmark return over a specified time period.
Alpha	- A measure of the difference between a portfolio's actual performance and its expected return based on its level of risk as determined by beta. It determines the portfolio's non-systemic return, or its historical performance not explained by movements of the market.
Beta	- A measure of the sensitivity of a portfolio to the movements in the market. It is a measure of the portfolio's systematic risk.
Consistency	- The percentage of quarters that a product achieved a rate of return higher than that of its benchmark. Higher consistency indicates the manager has contributed more to the product's performance.
Distributed to Paid In (DPI)	- The ratio of money distributed to Limited Partners by the fund, relative to contributions. It is calculated by dividing cumulative distributions by paid in capital. This multiple shows the investor how much money they got back. It is a good measure for evaluating a fund later in its life because there are more distributions to measure against.
Down Market Capture	- The ratio of average portfolio performance over the designated benchmark during periods of negative returns. A lower value indicates better product performance
Downside Risk	- A measure similar to standard deviation that utilizes only the negative movements of the return series. It is calculated by taking the standard deviation of the negative quarterly set of returns. A higher factor is indicative of a riskier product.
Excess Return	- Arithmetic difference between the manager's performance and the risk-free return over a specified time period.
Excess Risk	- A measure of the standard deviation of a portfolio's performance relative to the risk free return.
Information Ratio	- This calculates the value-added contribution of the manager and is derived by dividing the active rate of return of the portfolio by the tracking error. The higher the Information Ratio, the more the manager has added value to the portfolio.
Public Market Equivalent (PME)	- Designs a set of analyses used in the Private Equity Industry to evaluate the performance of a Private Equity Fund against a public benchmark or index.
R-Squared	- The percentage of a portfolio's performance that can be explained by the behavior of the appropriate benchmark. A high R-Squared means the portfolio's performance has historically moved in the same direction as the appropriate benchmark.
Return	- Compounded rate of return for the period.
Sharpe Ratio	- Represents the excess rate of return over the risk free return divided by the standard deviation of the excess return. The result is an absolute rate of return per unit of risk. A higher value demonstrates better historical risk-adjusted performance.
Standard Deviation	- A statistical measure of the range of a portfolio's performance. It represents the variability of returns around the average return over a specified time period.
Total Value to Paid In (TVPI)	- The ratio of the current value of remaining investments within a fund, plus the total value of all distributions to date, relative to the total amount of capital paid into the fund to date. It is a good measure of performance before the end of a fund's life
Tracking Error	- This is a measure of the standard deviation of a portfolio's returns in relation to the performance of its designated market benchmark.
Treynor Ratio	- Similar to Sharpe ratio but utilizes beta rather than excess risk as determined by standard deviation. It is calculated by taking the excess rate of return above the risk free rate divided by beta to derive the absolute rate of return per unit of risk. A higher value indicates a product has achieved better historical risk-adjusted performance.
Up Market Capture	- The ratio of average portfolio performance over the designated benchmark during periods of positive returns. A higher value indicates better product performance.

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Methodology for this Award: For the 2022 Greenwich Quality Award for Overall U.S. Investment Consulting – Midsize Consultants – Between February and November 2022, Coalition Greenwich conducted interviews with 727 individuals from 590 of the largest tax-exempt funds in the United States. These U.S.-based institutional investors are corporate and union funds, public funds, and endowment and foundation funds, with either pension or investment pool assets greater than \$150 million. Study participants were asked to provide quantitative and qualitative evaluations of their asset management and investment consulting providers, including qualitative assessments of those firms soliciting their business and detailed information on important market trends.

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