Investment Performance Review Period Ending December 31, 2023

City of Key West General Employees' Pension Fund



On behalf of the entire AndCo team, thank you for the opportunity to serve you this past year and for the trust you have placed in us. We take our role as your consultant and trusted advisor seriously and will continue working hard to maintain your confidence.

Looking back at the year, we would like to provide a brief update on where we stand as a firm. 2023 marked the 23rd straight year of growth for the firm and we advise on approximately \$100 billion in client assets as of year-end. We won our second consecutive Greenwich Quality Leader Award based on feedback from our valued clients . Thank you! We continued to reinvest 100% of our net profits back into the organization so we can continue to evolve and adapt within a market environment that is constantly changing and challenging. As we have stated in previous updates, we do not believe the "status quo" is an effective strategy and we are convicted in our belief that a firm not focused on moving forward in our industry is moving backward.

To execute on our commitment to evolve and continue to enhance the organization, we made significant investments in technology during 2023 to embrace digital transformation. We also continued to invest in our proprietary software system to compile and share information firmwide to better serve our clients. We conducted an internal employee survey and received valuable feedback from team members that reinforced what is working and helped us put together action plans to address areas of opportunity to continue to invest in, and understand, our most important asset - our people. We believe this effort helps drive our differentiated culture.

At the beginning of each year, we also discuss the AndCo partnership and, when earned, announce new partners. This year I am thrilled to share five new team members were named partners at AndCo – Joe Carter, Tony Kay, Sara Searle, John Rodak, and Kevin Laake. Joe has been with the firm since 2017 and has held many roles. Most recently he has been in our Performance Reporting department with an eye on transitioning to our Consulting Department. Tony has been with our firm for 8 years and is a

valuable member of the Consulting Department. Sara Searle has been with the company for almost 6 years and is our Chief Compliance Officer. John Rodak has been with the firm for 13 years and has operated within many functional areas and service departments over the years. He currently resides in our Solutions & Growth function. Finally, Kevin has been with the firm for 7 years and operates within our Research Department, covering both public and private equity over his tenure. We could not be happier for the new partners of AndCo or more grateful for the contributions they have made to AndCo since joining the firm. Joe, Tony, Sara, John, and Kevin represent what it means to be an AndCo team member, and we are honored and fortunate to have them as partners at our firm.

The big news for 2024 is that AndCo will be joining Mariner as their new institutional advisory platform. We believe joining forces with Mariner will allow us to better serve our clients going forward and leverage a robust corporate infrastructure so we can continuously focus on a clients first approach.

In closing, while the name AndCo will soon be Mariner Institutional, what won't change is our commitment to you and driving decisions by first asking "how will this impact our clients?" We strongly believe we have found a partner that shares our client-first focus, and we look forward to leveraging our combined expertise to enhance your overall client experience. On the wall at Mariner's headquarters, just like at AndCo's, it proudly says "Clients First."

Thank you again for your valued partnership and the opportunity to serve you. Happy New Year!

Mike Welker, CFA®

Organization Chart

Partnership

Mike Welker, CFA® Brian Green

Joe Carter, CPFA Brooke Wilson, CIPM® John Rodak, CIPM® Bryan Bakardjiev, CFA® Jon Breth, CFP® Dan Johnson

Dan Osika, CFA® Evan Scussel, CFA®, CAIA® Jacob Peacock, CPFA

Kerry Richardville, CFA Kevin Laake, CFA®, CAIA® Kim Spurlin, CPA

Steve Gordon Tony Kay

Troy Brown, CFA Tyler Grumbles, CFA®, CIPM[®], CAIA[®]

Sara Searle

Jason Purdy

Leadership & Management

Mike Welker, CFA®

Bryan Bakardjiev, CFA®

Evan Scussel, CFA®, CAIA® Executive Director of Research

Kim Spurlin, CPA

Sara Searle

Stacie Runion

Steve Gordon

Solutions & Growth Director

Troy Brown, CFA® Executive Director of Consulting

Brooke Wilson, CIPM® Executive Director of Performance Reporting

Dan Johnson Consulting Director

Jack Evatt Consulting Director **Investment Policy Committee**

Bryan Bakardjiev, CFA®

Sara Searle

Evan Scussel, CFA®, CAIA®

Troy Brown, CFA®

Mike Welker, CFA®

Brooke Wilson, CIPM®

Consulting

Annette Bidart

Brad Hess, CFA®, CPFA

Brendon Vavrica, CFP® **Brian Green**

Chris Kuhn, CFA®, CAIA® Christiaan Brokaw, CFA®

Dave West, CFA® Doug Anderson, CPFA Ian Jones

Gwelda Swilley

James Ross

Jeff Kuchta, CFA®, CPFA

Jennifer Brozstek

Jennifer Gainfort, CFA®, CPFA

John Thinnes, CFA®, CAIA®, CPFA

Xinxin Liu, CFA®, CAIA®, FRM

Private Equity & Private Debt

Zac Chichinski, CFA®, CIPM®

John Mellinger

Public Equity

Jon Breth, CFP®

Jorge Friguls, CPFA Justin Lauver, Esq.

Kerry Richardville, CFA®

Oleg Sydyak, CFA®, FSA, EA

Michael Fleiner Paul Murray, CPFA Michael Holycross Peter Brown

Mike Bostler Tim Walters Tony Kay

Tyler Grumbles, CFA®, CIPM®, CAIA®

Jeff Pruniski

Kim Hummel

Joe Carter, CPFA

Rotchild Dorson

Research

Abigail Torres

Research Operations

Andrew Mulhall, CFA®

Ben Baldridge, CFA®, CAIA®

Private & Hedged Fixed Income

Dan Lomelino CFA® Fixed Income

David Julier

Real Estate & Real Assets

Elizabeth Wolfe

Public & Private Equity

Evan Scussel, CFA®, CAIA®

Public & Private Equity

Josue Christiansen, CFA®, CIPM® **Public Equity**

Julie Baker, CFA®, CAIA® Public & Private Equity

Justin Ellsesser, CFA®, CAIA®

Private Equity

Kevin Laake, CFA®, CAIA®

Private Equity Michael Kosoff

Hedge Funds

Performance Reporting

Albert Sauerland

Alexandre Samuel

Amy Steele

Jacob Peacock, CPFA®

Solutions & Growth Director

Rachel Brignoni, MHR

People & Culture Director

Mary Nye

Consulting Director

Jason Purdy

Molly Halcom

I.T. Director

Andrew Easton

Bob Bulas David Gough, CPFA

89 Employees

Don Delanev

Donnell Lehrer, CPFA

Edward Cha

Grace Niebrzydowski

James Culpepper

James Reno

Operations

Michelle Boff Robert Marquetti

Finance

Kelly Pearce

Human Resources

IT & Operations

Jerry Camel Kenneth Day

Marcos Ferrer

Compliance

Thay Arroyo Joseph Ivaszuk Marketing

Tara Redding

Linden Landry-Jennings Shelley Berthold

Solutions & Growth

Dan Osika, CFA®

John Rodak, CIPM® Jonathan Branch

Patrick Perez

24_{CEA®}

37 Advanced Degrees 12cpfA

Employee counts are as of 1/3/2024 and reflect only full time employees and do not include any who are part time, temporary or independent contractors.



4th Quarter 2023 Market Environment



The Economy

- The US Federal Reserve Bank (the Fed) paused on additional rate hikes during the fourth quarter. As evidenced by capital market performance during the quarter, the pause was welcomed by participants. The Fed continued to prioritize fighting higher inflation over full employment. In its press release for the December meeting, the Fed said that in determining the extent of any additional policy firming that may be appropriate to return inflation to 2 percent over time, the Committee will take into account the cumulative tightening of monetary policy, the lags with which monetary policy affects economic activity and inflation, and economic and financial developments. They also indicated the Committee will continue to reduce the holdings on its balance sheet.
- The Fed's prolonged pause in its rate-hiking cycle and the insertion of the word "any" in its December press release gave the market hope that the Fed may be ready to pivot in its stance and begin reducing rates to a less restrictive level in 2024.
- Muted growth in the US labor market continued in December, as nonfarm payrolls increased by 216,000, and unemployment held steady at 3.7%. Unemployment was little changed over the last year, closing 2022 at a level of 3.5%.

Equity (Domestic and International)

- US equities moved broadly higher during the fourth quarter, led by a broad recovery across multiple sectors and expectations of a more favorable interest rate environment. The S&P 500 Index rose 11.7% for the quarter, its best-performing period since the first quarter of 2021. Small-cap value (15.3%) was the best-performing segment of the domestic equity market during the quarter, while large-cap value (9.5%), though solid, was the weakest relative performer for the period.
- International stocks experienced robust growth during the year, helped by a
 weakening US Dollar (USD). USD performance outpaced local currency (LCL)
 performance in most regions for the quarter, though both benchmarks were positive
 as the USD traded lower during the period.
- Global GDP growth continued to face challenges despite falling energy prices. European growth remained under pressure amid hawkish central bank policies. China continued to face economic challenges and drag on growth in the region. Additionally, renewed conflicts in the Middle East weighed on performance for the region and threatened to be a headwind going into 2024.

Fixed Income

- While economic data signaled that inflation continued to moderate, the Fed maintained its conviction in fighting inflation by keeping the fed funds rate unchanged during the quarter. Equity and fixed-income markets rallied on the hope that this could signal a pivot in the Fed's policy stance in 2024.
- US Government securities were the lowest relative performing US Aggregate Bond sector during the quarter, but bond returns surged as longer maturity yields fell significantly. Credit spreads also narrowed during the quarter, lifting performance for non-government sectors.
- Lower quality investment grade corporate bonds outperformed higher quality corporate issues, aided by narrowing credit spreads as well as higher coupons. Although the high yield bond benchmark's duration is almost half of the US Aggregate Bond index's duration, the high yield index managed to edge out the bellwether bond benchmark for the quarter.
- Global bonds outpaced the domestic bond market with the Global Aggregate ex-US
 Index besting the US Aggregate Index by 2.4% due to USD weakness. This brought
 results for the full year slightly ahead of the domestic bond market.

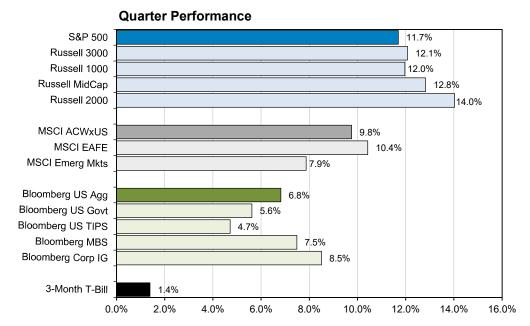
Market Themes

- Central banks remained vigilant in their stance against inflation going into the new year. Signs of cooling price pressures have shown up in most regions around the world, and many central banks have chosen to pause on their rate hiking cycle, much in line with the US Fed's stance.
- Geopolitical risk around the world continues to be a headwind for global growth and economic stability. In addition to the conflict in Ukraine, a proxy war arose in the Middle East in October between Israel and Palestine, which could drag on performance in the region in quarters to come.
- Short-term interest rates remained consistent across most developed markets as central banks continued their tight policy stance with an eye towards potential rate cuts in the indeterminate future.
- 2023 closed with both US and international equity markets affirming their recovery from the disappointing performance of 2022. Growth sectors significantly outpaced value sectors during the year.

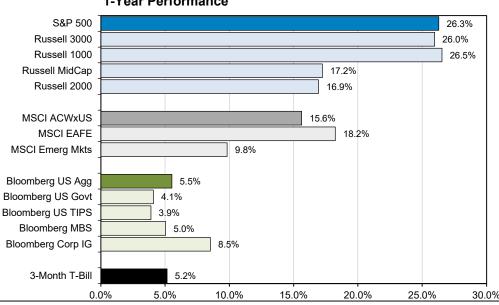


- Domestic equity market performance surged in the fourth quarter. Many of the challenges facing the U.S. economy over the past several quarters have begun to wane and forecasts for easing inflation and positive economic growth have been a growing consensus. For the period, the S&P 500 large-cap benchmark returned 11.7% versus 12.8% for the Russell Mid Cap Index and 14.0% for the Russell 2000 small-cap index.
- International developed and emerging market equities also delivered strong results. Europe continued to face geopolitical risks related to the conflict in Ukraine and elevated interest rates. The developed market MSCI EAFE Index returned 10.4% for the quarter and the MSCI Emerging Markets Index rose by 7.9%.
- The domestic bond market rallied during the final two months of the year as the Fed took on a more dovish tone at their recent meetings. The Bloomberg US Aggregate Index returned 6.8% for the period, while investment-grade corporate bonds beat out the government and securitized sectors with a gain of 8.5%.

- During the 2023 calendar year, US equity markets posted their strongest performance since 2021. The large-cap S&P 500 Index finished 2023 with an exceptional 26.3% return. The weakest relative performance for the year was from the Russell 2000 Index, which still climbed 16.9%.
- International markets also reverted from their poor performance of the year prior. The MSCI EAFE Index was the best international index performer, returning 18.2%, while the MSCI Emerging Markets Index added a more tempered, but still solid, 9.8%.
- Bond markets were broadly higher for the year. Investment-grade corporate bonds were the best-performing sector of the US Aggregate Index and gained 8.5% for the year. Treasuries lagged at 4.1% during the year but were still a welcome relief from 2022's negative bond market results. The bellwether fixed-income benchmark, the Bloomberg US Aggregate Index, climbed 5.5% in 2023.



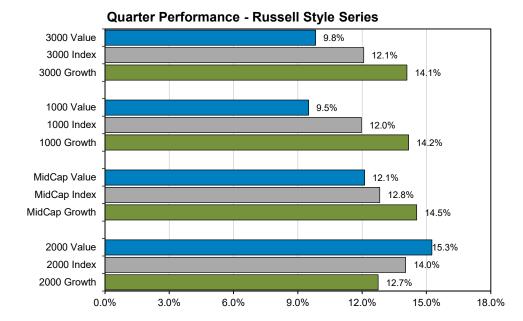
1-Year Performance

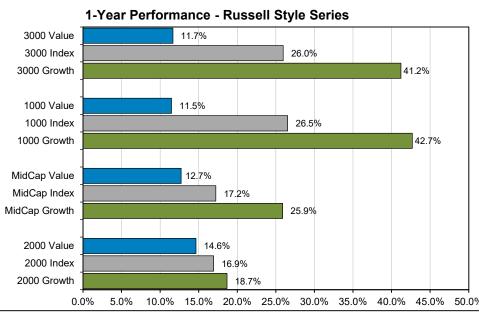


Source: Investment Metrics



- After softening in the third quarter, core domestic equity benchmarks finished 2023 on a strong note. Increasing optimism regarding taming inflation and future economic growth were the primary factors driving performance during the quarter. While the global economy still faces geopolitical risk in the Middle East and Eastern Europe, the US economy remains resilient heading into 2024. The small-cap Russell 2000 Index (14.0%) led results this quarter among the core capitalization-based benchmarks, besting both the mid-cap (12.8%) and large-cap (12.0%) indices. Growth was favored over value across the broad market as the Russell 3000 Growth Index outpaced its value counterpart by 4.3%. However, among small-cap stocks, value led the way with the Russell 2000 Value Index returning 15.3%. The Russell 2000 Growth Index was not far behind, gaining 12.7% for the quarter.
- Outside of small cap, growth stocks broadly outperformed their value counterparts by a sizable margin for the quarter. This continued a persistent theme for 2023 of growth-based benchmark outperformance. Despite these differentials, the large-, mid-, and small-cap value benchmarks each posted solid performance for the quarter with the Russell 2000 Value Index posting a chartleading return of 15.3%.
- The broad rally in domestic equity markets during the fourth quarter contributed to a strong year of index results. Within large-cap stocks, the Russell 1000 Growth Index returned an exceptional 42.7% for the year, leading the way among style and market capitalization-based benchmark results. The lowest relative performing equity index was the Russell 1000 Value, but still posted a double-digit return of 11.5% for the year.
- Growth rebounded during 2023 and led value-based benchmarks at all market capitalization ranges for the year. The Russell 2000 Growth Index returned 18.7%, outpacing the Russell 2000 Value Index's 14.6% return by a span of 4.1%. The Russell 1000 Growth and Russell Midcap Growth benchmarks gained 42.7% and 25.9%, respectively, while their corresponding value index counterparts returned solid, but lagging, performance of 11.5% and 12.7%, respectively.

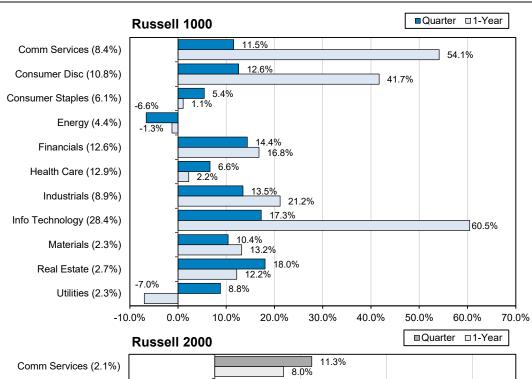


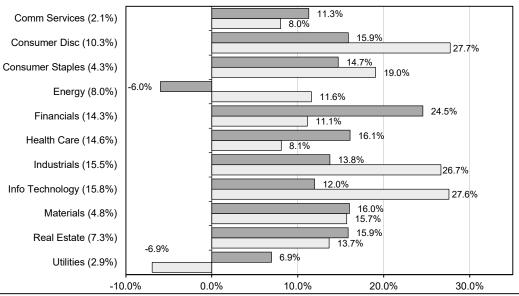


Source: Investment Metrics



- Large-cap sector performance was generally positive for the fourth quarter.
 Ten of 11 economic sectors posted positive absolute performance for the quarter, with five sectors outpacing the return of the Russell 1000 Index.
- After being challenged by rapidly rising inflation and an uncertain growth trajectory in 2022, the information technology sector rebounded significantly during 2023, ending the year with an impressive 17.3% return in the fourth quarter. The other four sectors that outpaced the headline index's return for the quarter were consumer discretionary (12.6%), financials (14.4%), industrials (13.5%) and real estate (18.0%). Energy was the only sector to lose ground for the quarter, returning -6.6%.
- For the full year, just three economic sectors exceeded the return of the broad large-cap benchmark but nine of the 11 sectors posted positive performance. Performance in the Information technology (60.5%), communication services (54.1%), and consumer discretionary (41.7%) sectors made the greatest contributions to the index's 26.5% return during the year. The weakest economic sector in the Russell 1000 for the year was utilities, which declined by -7.0%.
- Ten small-cap economic sectors posted positive results during the quarter while six of 11 sectors exceeded the 14.0% return of the Russell 2000 Index. Performance in the financials (24.5%) sector led the way for the quarter while the energy (-6.0%) was the only sector to post a negative result.
- Like large-cap sector performance over the trailing year, ten small-cap sectors were positive. Consumer discretionary (27.7%) posted the strongest sector result, with honorable mentions going to the industrials and information technology sectors, which each returned more than 20% for the year. Seven of the 11 economic sectors fell short of the core small-cap benchmark's return of 16.9% for the year. The worst-performing sector for the year was utilities, which slid -6.9% and was the only sector to post a negative return for 2023.







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.



Top 10 Weighted Stocks					
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector	
Apple Inc	6.5%	12.6%	49.0%	Information Technology	
Microsoft Corp	6.4%	19.3%	58.2%	Information Technology	
Amazon.com Inc	3.1%	19.5%	80.9%	Consumer Discretionary	
NVIDIA Corp	2.7%	13.9%	239.0%	Information Technology	
Alphabet Inc Class A	1.9%	6.7%	58.3%	Communication Services	
Meta Platforms Inc Class A	1.8%	17.9%	194.1%	Communication Services	
Alphabet Inc Class C	1.6%	6.9%	58.8%	Communication Services	
Tesla Inc	1.6%	-0.7%	101.7%	Consumer Discretionary	
Berkshire Hathaway Inc Class B	1.5%	1.8%	15.5%	Financials	
Eli Lilly and Co	1.1%	8.7%	60.9%	Health Care	

	Top 10 Weighted Stocks					
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector		
Super Micro Computer Inc	0.5%	3.7%	246.2%	Information Technology		
Simpson Manufacturing Co Inc	0.3%	32.4%	125.3%	Industrials		
e.l.f. Beauty Inc	0.3%	31.4%	161.0%	Consumer Staples		
Cytokinetics Inc	0.3%	183.4%	82.2%	Health Care		
MicroStrategy Inc Class A	0.3%	92.4%	346.2%	Information Technology		
UFP Industries Inc	0.3%	22.9%	60.3%	Industrials		
Light & Wonder Inc Ordinary Shares	0.3%	15.1%	40.1%	Consumer Discretionary		
Onto Innovation Inc	0.3%	19.9%	124.6%	Information Technology		
Rambus Inc	0.3%	22.3%	90.5%	Information Technology		
BellRing Brands Inc Class A	0.3%	34.4%	116.2%	Consumer Staples		

Тор	Top 10 Performing Stocks (by Quarter)					
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector		
Coinbase Global Inc Ordinary Shares	0.1%	131.6%	391.4%	Financials		
Affirm Holdings Inc Ordinary Shares	0.0%	131.0%	408.2%	Financials		
Gap Inc	0.0%	99.6%	96.8%	Consumer Discretionary		
Spirit AeroSystems Holdings Inc	0.0%	96.9%	7.4%	Industrials		
Karuna Therapeutics Inc	0.0%	87.2%	61.1%	Health Care		
Rocket Companies Inc Ordinary Shares	0.0%	77.0%	106.9%	Financials		
Block Inc Class A	0.1%	74.8%	23.1%	Financials		
Macy's Inc	0.0%	74.8%	1.6%	Consumer Discretionary		
SentinelOne Inc Class A	0.0%	62.8%	88.1%	Information Technology		
Frontier Communications Parent Inc	0.0%	61.9%	-0.5%	Communication Services		

Top 10 Performing Stocks (by Quarter)					
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector	
Nkarta Inc Ordinary Shares	0.0%	374.8%	10.2%	Health Care	
Altimmune Inc	0.0%	332.7%	-31.6%	Health Care	
ALX Oncology Holdings Inc	0.0%	210.2%	32.1%	Health Care	
Pulse Biosciences Inc	0.0%	203.7%	341.9%	Health Care	
ImmunityBio Inc Ordinary Shares	0.0%	197.0%	-1.0%	Health Care	
Cleanspark Inc	0.1%	189.5%	440.7%	Information Technology	
EyePoint Pharmaceuticals Inc	0.0%	189.2%	560.3%	Health Care	
Cytokinetics Inc	0.3%	183.4%	82.2%	Health Care	
RayzeBio inc	0.0%	180.0%	N/A	Health Care	
Marathon Digital Holdings Inc	0.2%	176.4%	586.8%	Information Technology	

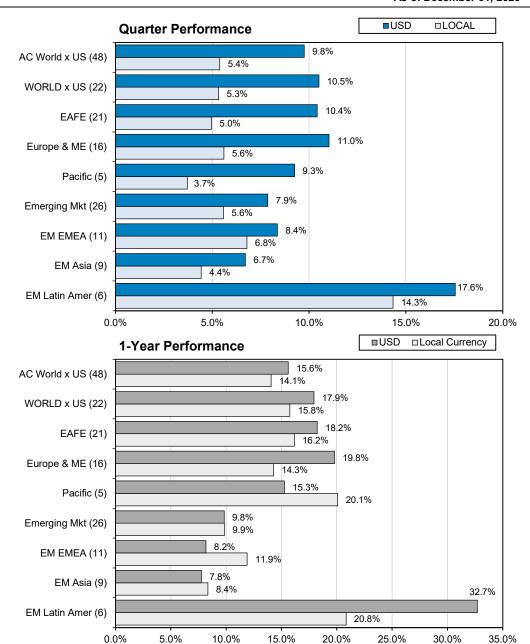
Bottom 10 Performing Stocks (by Quarter)					
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector	
ChargePoint Holdings Inc	0.0%	-52.9%	-75.4%	Industrials	
Plug Power Inc	0.0%	-40.8%	-63.6%	Industrials	
Maravai LifeSciences Holdings Inc	0.0%	-34.5%	-54.2%	Health Care	
R1 RCM Inc	0.0%	-29.9%	-3.5%	Health Care	
Agilon Health Inc	0.0%	-29.3%	-22.2%	Health Care	
BILL Holdings Inc Ordinary Shares	0.0%	-24.9%	-25.1%	Information Technology	
Lucid Group Inc Shs	0.0%	-24.7%	-38.4%	Consumer Discretionary	
AMC Entertainment Holdings Inc	0.0%	-23.4%	-83.0%	Communication Services	
Petco Health and Wellness Co Inc	0.0%	-22.7%	-66.7%	Consumer Discretionary	
Hasbro Inc	0.0%	-21.6%	-12.0%	Consumer Discretionary	

Bottom 10 Performing Stocks (by Quarter)					
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector	
Ventyx Biosciences Inc	0.0%	-92.9%	-92.5%	Health Care	
Enviva Inc	0.0%	-86.7%	-98.1%	Energy	
Aclaris Therapeutics Inc	0.0%	-84.7%	-93.3%	Health Care	
Li-Cycle Holdings Corp Ordinary	0.0%	-83.5%	-87.7%	Industrials	
Ocean Biomedical Inc	0.0%	-83.1%	N/A	Health Care	
Reneo Pharmaceuticals Inc	0.0%	-79.0%	-31.3%	Health Care	
Charge Enterprises Inc	0.0%	-77.1%	-90.8%	Communication Services	
Cano Health Inc Ordinary Shares	0.0%	-76.9%	-95.7%	Health Care	
CareMax Inc Ordinary Shares	0.0%	-76.5%	-86.4%	Health Care	
Velo3D Inc	0.0%	-74.5%	-77.8%	Industrials	

Source: Morningstar Direct



- The fourth quarter ended with strong performance across international equity markets in both in LCL and USD terms. The USD weakened substantially against most non-US currencies for the quarter, which boosted USD index performance relative to LCL returns. The developed market MSCI EAFE Index gained 10.4% in USD and 5.0% in LCL terms for the quarter. The MSCI Emerging Markets Index rose 7.9% in USD and a lower 5.6% in LCL terms.
- Latin America (LATAM) continued to lead the way, closing out 2023 with a
 quarterly return of 17.6% in USD terms. Performance in the region was driven
 by strong demand for commodity exports from growing worldwide production
 along with a USD performance boost due to LCL strength in the region.
- The performance of the largest weighted country in the emerging market index (China, 26.7%) lagged during the year with a return of -4.4% for the fourth quarter and -13.3% for the year in USD terms. Investors have struggled to accurately forecast the pace of China's recovery after its economic reopening from COVID-19 lockdowns, which led to a flurry of spending that has since cooled.
- Similar to domestic markets, results for international developed and emerging markets were much stronger in 2023 after inflationary pressures and geopolitical risks stunted growth in 2022. Much of the strong USD performance in late 2022 abated in 2023 with many of the international indices showcasing modestly stronger performance in USD terms.
- Annual returns across emerging markets were bifurcated. The LATAM index finished significantly ahead of the other regional indexes in USD terms, with strengthening currencies contributing significantly to the region's strong performance. The LATAM index returned 32.7% in USD and 20.8% in LCL terms for year. Performance in the EM Asia regional benchmark detracted from the emerging market index, with the EM Asia index posting returns of 7.8% in USD and 8.4% in LCL terms versus an overall MSCI Emerging Markets index return of 9.8% and 9.9% in USD and LCL terms, respectively. The EMEA, Asia and Pacific regions saw local currencies depreciate overall in 2023 due to factors related to additional military conflicts in the region and China's sluggish growth.



Source: MSCI Global Index Monitor (Returns are Net)



MSCI - EAFE	Sector Weight	Quarter Return	1-Year Return
Communication Services	4.1%	8.9%	13.1%
Consumer Discretionary	11.8%	8.0%	21.7%
Consumer Staples	9.3%	5.2%	4.5%
Energy	4.3%	0.4%	12.5%
Financials	18.9%	10.0%	18.8%
Health Care	12.8%	4.9%	9.3%
Industrials	16.4%	14.3%	27.6%
Information Technology	8.6%	21.3%	36.4%
Materials	7.8%	17.1%	19.9%
Real Estate	2.5%	14.9%	9.1%
Utilities	3.5%	14.0%	17.0%
Total	100.0%	10.4%	18.2%

MSCI - ACWIXUS	Sector Weight	Quarter Return	1-Year Return
Communication Services	5.2%	4.7%	5.7%
Consumer Discretionary	11.5%	5.7%	12.7%
Consumer Staples	8.0%	5.6%	4.9%
Energy	5.6%	2.3%	15.0%
Financials	21.2%	10.1%	16.2%
Health Care	9.3%	5.2%	8.0%
Industrials	13.4%	12.8%	23.2%
Information Technology	12.5%	20.0%	36.3%
Materials	8.0%	12.5%	12.2%
Real Estate	2.1%	11.1%	5.3%
Utilities	3.2%	13.6%	12.0%
Total	100.0%	9.8%	15.6%

MSCI - Emerging Mkt	Sector Weight	Quarter Return	1-Year Return
Communication Services	8.8%	0.1%	-1.1%
Consumer Discretionary	12.8%	0.8%	-3.4%
Consumer Staples	6.0%	6.1%	4.2%
Energy	5.1%	6.7%	26.8%
Financials	22.3%	8.3%	11.5%
Health Care	3.8%	7.3%	-1.3%
Industrials	6.8%	6.3%	5.4%
Information Technology	22.1%	17.8%	32.3%
Materials	7.9%	6.8%	1.5%
Real Estate	1.6%	-0.2%	-7.1%
Utilities	2.7%	12.8%	2.0%
Total	100.0%	7.9%	9.8%

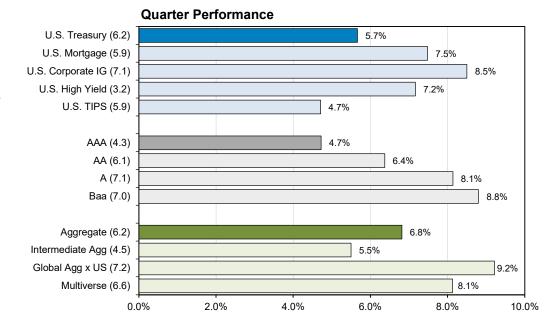
	MSCI-EAFE	MSCI-ACWIXUS	Quarter	1- Year
Country	Weight	Weight	Return	Return
Japan	22.5%	14.4%	8.0%	17.8%
United Kingdom	14.7%	9.5%	6.1%	9.5%
France	12.1%	7.7%	10.1%	18.8%
Switzerland	10.0%	6.4%	10.1%	13.4%
Germany	8.6%	5.5%	13.0%	19.9%
Australia	7.6%	4.9%	14.5%	10.0%
Netherlands	4.6%	3.0%	19.6%	23.7%
Denmark	3.3%	2.2%	12.2%	29.7%
Sweden	3.2%	2.1%	20.9%	21.0%
Spain	2.7%	1.7%	11.3%	28.2%
Italy	2.6%	1.7%	11.9%	31.7%
Hong Kong	2.2%	1.4%	2.9%	-17.8%
Singapore	1.4%	0.9%	3.8%	0.4%
Finland	1.1%	0.7%	8.8%	-8.2%
Belgium	1.0%	0.6%	6.1%	4.1%
Israel	0.7%	0.4%	9.0%	9.3%
Norway	0.7%	0.4%	2.2%	-0.4%
Ireland	0.5%	0.4%	6.2%	22.9%
	0.5%	0.3%	15.0%	5.1%
Portugal				
New Zealand	0.2%	0.1%	14.4%	3.4%
Austria Total EAFE Countries	0.2% 100.0%	0.1%	9.6% 10.4%	12.8%
	100.0%	64.3%		18.2%
Canada		7.7%	10.6%	12.6%
Total Developed Countries		72.0%	10.5%	17.9%
China		7.5%	-4.4%	-13.3%
India		4.7%	11.6%	19.6%
Taiwan		4.5%	17.2%	26.9%
Korea		3.6%	14.7%	21.7%
Brazil		1.6%	15.8%	23.4%
Saudi Arabia		1.2%	8.5%	7.2%
South Africa		0.9%	12.1%	-1.6%
Mexico		0.8%	16.9%	36.2%
Indonesia		0.5%	1.7%	3.3%
Thailand		0.5%	3.6%	-12.6%
Malaysia		0.4%	4.2%	-7.2%
United Arab Emirates		0.4%	-3.2%	-3.0%
Poland		0.3%	37.7%	45.0%
Qatar		0.3%	4.7%	-2.9%
Kuwait		0.2%	-0.3%	-10.4%
Turkey		0.2%	-12.5%	-8.9%
Philippines		0.2%	6.1%	1.7%
Chile		0.1%	6.2%	-1.2%
Greece		0.1%	11.7%	44.2%
Peru		0.1%	22.8%	30.2%
Hungary		0.1%	17.0%	45.5%
Czech Republic		0.0%	4.6%	22.4%
Colombia		0.0%	12.8%	2.3%
Egypt		0.0%	20.2%	37.7%
Total Emerging Countries		28.0%	7.9%	9.8%
Total ACWIXUS Countries		100.0%	9.8%	15.6%

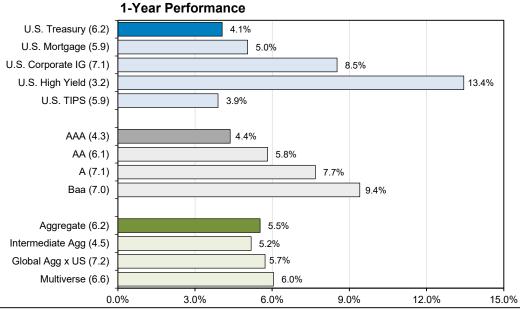
Source: Morningstar Direct, MSCI Global Index Monitor (Returns are Net in USD)

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.



- Fixed-income markets rallied during the fourth quarter. Yields remained elevated for much of the year as economies across the globe attempted to stave off inflationary pressures. A five-month-long pause in rate hikes by the Fed coupled with expectations of cooler price pressures drove a rally in bonds globally. After a challenging 2022 in fixed-income markets brought on by the largest and most rapid increase in interest rates since the early 1980s, higher starting yields and a slower pace of rate increases led to better results in 2023. While not without its challenges during the year, the fourth-quarter's rally helped some of the fixed income sectors realize their best calendar-year performance since prior to the COVID-19 pandemic.
- The Bloomberg US Aggregate Bond Index, the bellwether US investment grade benchmark, posted its best-performing quarter of the year to close out 2023, returning 6.8% for the period. Performance across the investment grade index's segments was broadly higher during the period with the Bloomberg US Corporate Investment Grade Index returning 8.5%, the US Mortgage Index finishing slightly lower at 7.5% and the US Treasury sector returning a more modest, but still solid, 5.7% for the quarter.
- Outside of the aggregate index's sub-components, high-yield bonds continued their strong performance for the year with a return of 7.2% for the quarter as credit spreads narrowed by more than 1.0%. US TIPS gained 4.7% for the quarter, lagging most of the fixed-income market. The Bloomberg Global Aggregate ex-US Index outpaced the domestic indices during the quarter, returning a strong 9.2%.
- Over the trailing one-year period, the Bloomberg US Aggregate Bond Index posted a return of 5.5%. The Corporate Investment-grade sector outperformed the broader index during the year, gaining 8.5%. US TIPS, which are excluded from the aggregate index, lagged at just 3.9% for the year. High-yield corporate bonds, which have a much shorter duration, outpaced their investment grade counterparts with the Bloomberg US High Yield Index returning a strong 13.4% for the calendar year.
- Non-US bonds exceeded their domestic counterparts for the quarter, lifting the 5.7% return of the Bloomberg Global Aggregate ex-US Index past the 5.5% return of US Aggregate Index for the year. Rising interest rates, elevated inflation, and geopolitical risks have hindered non-US index performance. Some of those headwinds eased in the fourth quarter, contributing to the index's positive performance for the calendar year.



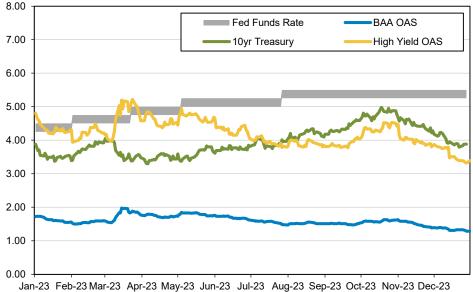


Source: Bloomberg

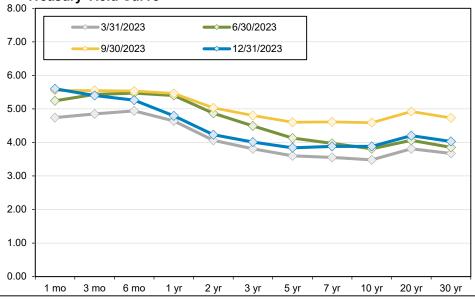


- The gray band across the graph illustrates the range of the fed funds target rate. The Fed last raised its rate range at the July 2023 meeting. The lower end of the range remained at 5.25% at year-end. The Fed's decision to pause on additional rate increases for the remainder of 2023 and took on a more dovish tone in their December press release, which was well-received by market participants.
- The yield on the US 10-year Treasury (green line) exceeded 5.00% during the final week of October, its highest mark since July 2007. However, the benchmark yield proceeded to fall more than 1.00% over the final two months of the year, with the 10-Year Treasury finishing the year at a yield of 3.88%. The sharp decline in yields was likely a response to market participants anticipating rate cuts by the Fed in 2024.
- The blue line illustrates changes in the BAA OAS (Option Adjusted Spread) for lower-quality investment-grade corporate bonds. This measure quantifies the additional yield premium that investors require to purchase and hold non-US Treasury issues with the lowest investment grade rating. For the full calendar year, the spread narrowed 0.44% from 1.73% to 1.29%, signaling a lower premium for credit risk than the beginning of the year.
- High Yield OAS spreads have narrowed from 4.81% in January 2023 to 3.39% as of the end of 2023. High-yield spreads reached their widest point in March 2023, before trending lower for the remainder of the year. The spike in both the BAA OAS and High Yield spreads in March was a result of a short-lived crisis of confidence in the banking sector, which was addressed quickly by the Federal Deposit Insurance Corporation (FDIC) and supported further by the Fed's aggressive short-term par loan program. Though spreads tightened since the high, spreads traded slightly wider during October on the heels of a spark in the conflict between Israel and Palestine.
- The lower graph provides a snapshot of the US Treasury yield curve at the end of each of the last four quarters. Short-term yields rose modestly during the year and remained elevated. Despite this, both intermediate and longer-term yields are lower than they were at the end of the third quarter. Since September, the yield curve has further inverted (meaning that short-term rates are higher than long-term rates) between the two- and 10-year maturities. This is consistent with market expectations for a lower interest rate environment going forward. Since the Fed generally lowers rates to support economic growth, a persistent inversion of these two key rates has historically suggested an economic recession within six to 24 months, though this is an imprecise predictor of future economic growth.





Treasury Yield Curve

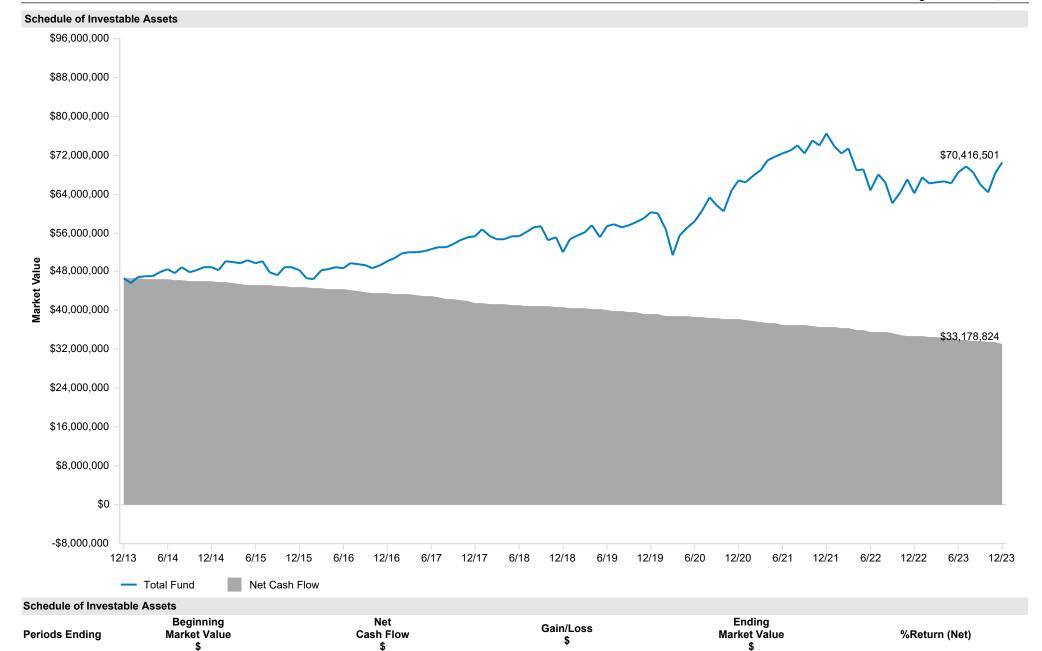


Source: US Department of Treasury, FRED (Federal Reserve of St. Louis)



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37,237,677

70,416,501

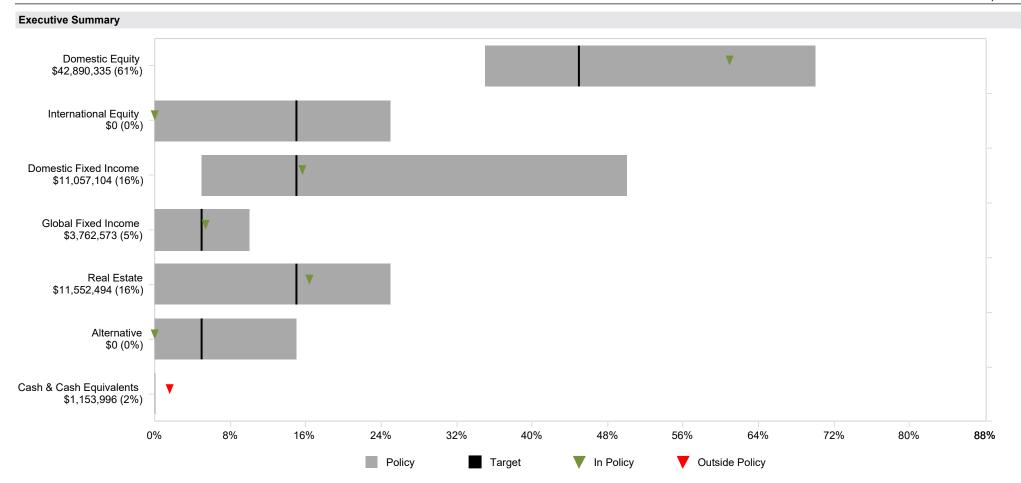


6.96

10 YR

46,603,605

-13,424,781

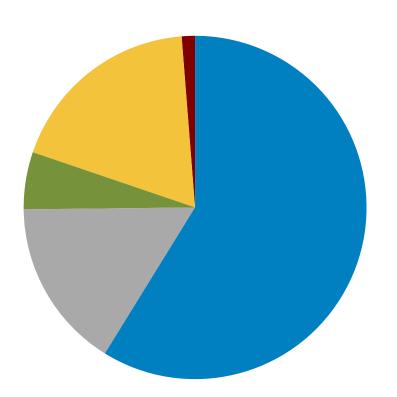


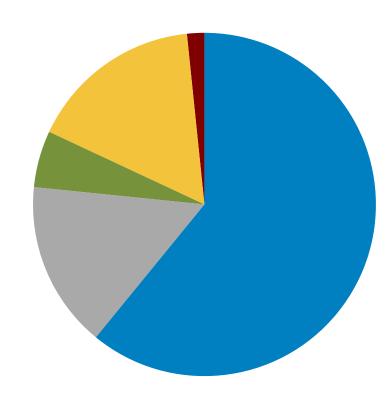
Asset Allocation Compliano	ce							
	Asset Allocation \$	Current Allocation (%)	Minimum Allocation (%)	Target Allocation (%)	Maximum Allocation (%)	Min. Rebal.	Target Rebal.	Max. Rebal.
Domestic Equity	42,890,335	60.9	35.0	45.0	70.0	-18,244,559	-11,202,909	6,401,216
International Equity	-	0.0	0.0	15.0	25.0	-	10,562,475	17,604,125
Domestic Fixed Income	11,057,104	15.7	5.0	15.0	50.0	-7,536,279	-494,628	24,151,147
Global Fixed Income	3,762,573	5.3	0.0	5.0	10.0	-3,762,573	-241,747	3,279,078
Real Estate	11,552,494	16.4	0.0	15.0	25.0	-11,552,494	-990,019	6,051,631
Alternative	-	0.0	0.0	5.0	15.0	-	3,520,825	10,562,475
Cash & Cash Equivalents	1,153,996	1.6	0.0	0.0	0.0	-1,153,996	-1,153,996	-1,153,996
Total Fund	70,416,501	100.0	N/A	100.0	N/A	-	-	-



Asset Allocation By Segment as of September 30, 2023 : \$66,075,836

Asset Allocation By Segment as of December 31, 2023 : \$70,416,501



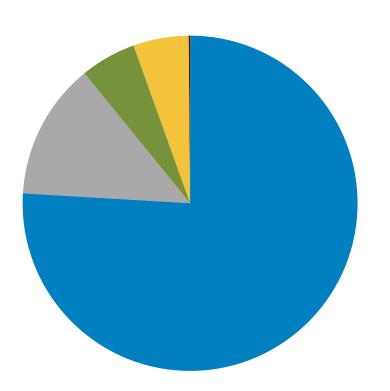


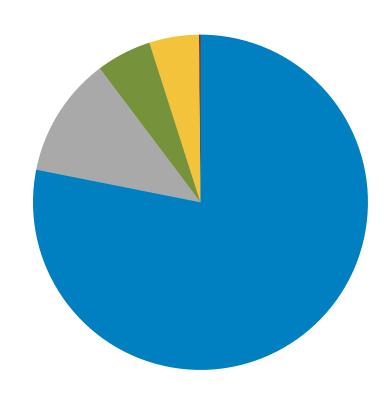
cation			Allocation			
Segments	Market Value	xet Value Allocation Segments		Market Value	Allocation	
■ Domestic Equity	38,862,794	58.8	■ Domestic Equity	42,890,335	60.9	
■ Domestic Fixed Income	10,579,107	16.0	Domestic Fixed Income	11,057,104	15.7	
■ Global Fixed Income	3,560,618	5.4	Global Fixed Income	3,762,573	5.3	
Real Estate	12,246,524	18.5	Real Estate	11,552,494	16.4	
■ Cash Equivalent	826,793	1.3	■ Cash Equivalent	1,153,996	1.6	



Asset Allocation By Manager as of Sep-2023 : \$66,075,836

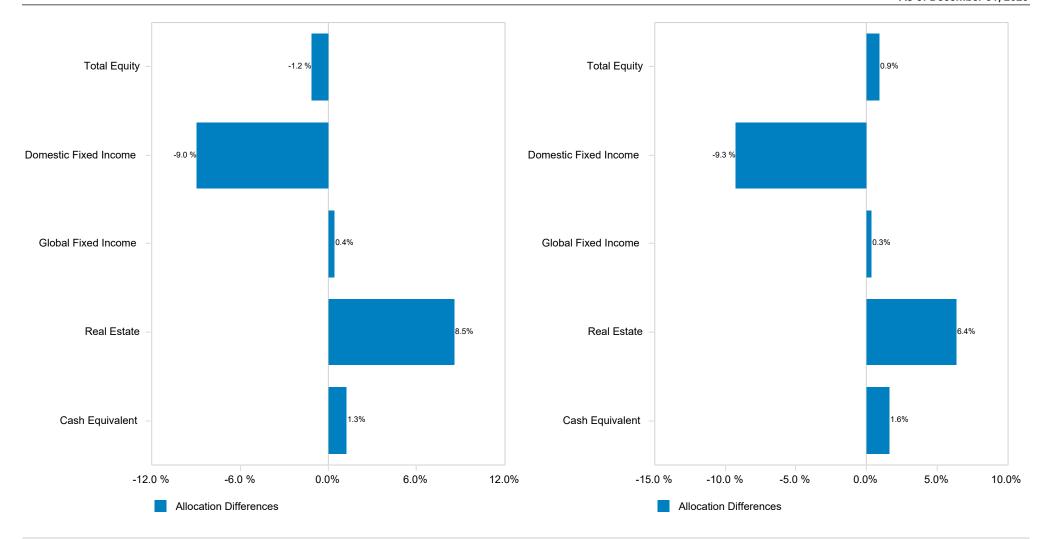
Asset Allocation By Manager as of Dec-2023 : \$70,416,501





Allocation			Allocation		
	Market Value	Allocation		Market Value	Allocation
■ Highland Capital	50,176,812	75.9	■ Highland Capital	55,008,391	78.1
ARA Core Property Fund	8,714,209	13.2	ARA Core Property Fund	8,170,039	11.6
■ Pimco Global Bond Opp (Hedged) (PGBIX)	3,560,618	5.4	■ Pimco Global Bond Opp (Hedged) (PGBIX)	3,762,573	5.3
American Strategic Value Fund	3,532,315	5.3	American Strategic Value Fund	3,382,456	4.8
■ Mutual Fund Cash	91,882	0.1	■ Mutual Fund Cash	93,043	0.1

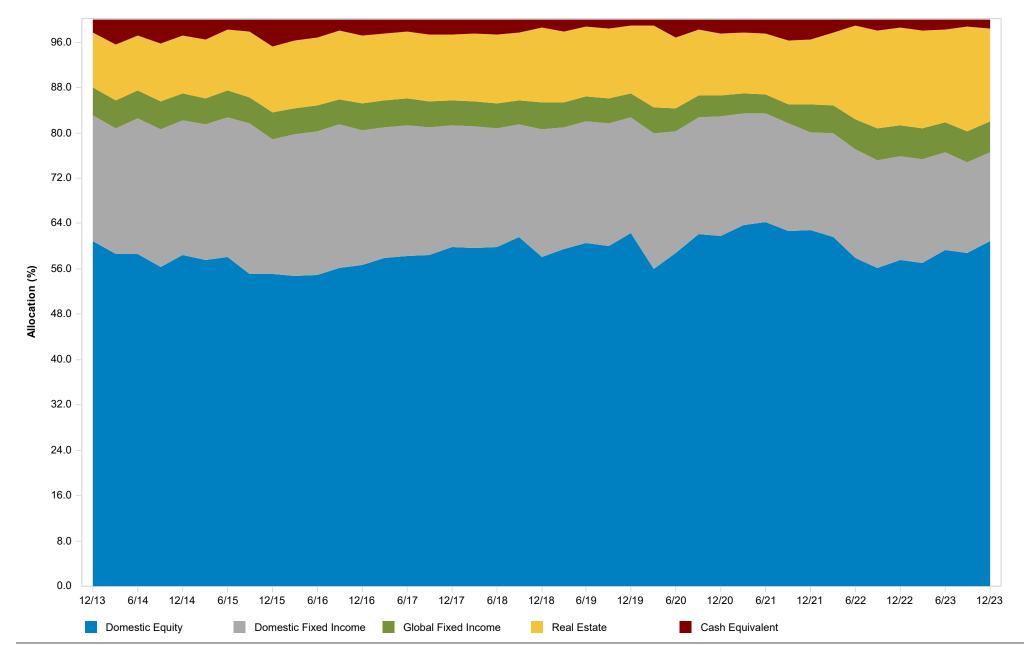




	As of Septe	ember 30, 2023			As of Dece	mber 31, 2023	
	Market Value \$	Allocation (%)	Target (%)		Market Value \$	Allocation (%)	Target (%)
Total Equity	38,862,794	58.8	60.0	Total Equity	42,890,335	60.9	60.0
Domestic Fixed Income	10,579,107	16.0	25.0	Domestic Fixed Income	11,057,104	15.7	25.0
Global Fixed Income	3,560,618	5.4	5.0	Global Fixed Income	3,762,573	5.3	5.0
Real Estate	12,246,524	18.5	10.0	Real Estate	11,552,494	16.4	10.0
Cash Equivalent	826,793	1.3	0.0	Cash Equivalent	1,153,996	1.6	0.0
Total Fund	66,075,836	100.0	100.0	Total Fund	70,416,501	100.0	100.0



Historical Asset Allocation by Segment





Financial Reconciliation Quarter to Date									
	Market Value 10/01/2023	Net Transfers	Contributions	Distributions	Management Fees	Other Expenses	Income	Apprec./ Deprec.	Market Value 12/31/2023
Highland Capital	50,176,812	-	617,683	-1,065,328	-64,819	-71,363	227,453	5,187,952	55,008,391
Pimco Global Bond Opp (Hedged) (PGBIX)	3,560,618	-	-	-	-	-	23,766	178,188	3,762,573
ARA Core Property Fund	8,714,209	-	-	-	-22,530	-	64,613	-586,253	8,170,039
American Strategic Value Fund	3,532,315	-	-	-	-11,137	-	10,691	-149,413	3,382,456
Mutual Fund Cash	91,882	-	-	-	-	-	785	377	93,043
Total Fund	66,075,836	-	617,683	-1,065,328	-98,485	-71,363	327,308	4,630,851	70,416,501

Financial Reconciliation Fiscal Year to Date	e								
	Market Value 10/01/2023	Net Transfers	Contributions	Distributions	Management Fees	Other Expenses	Income	Apprec./ Deprec.	Market Value 12/31/2023
Highland Capital	50,176,812	-	617,683	-1,065,328	-64,819	-71,363	227,453	5,187,952	55,008,391
Pimco Global Bond Opp (Hedged) (PGBIX)	3,560,618	-	-	-	-	-	23,766	178,188	3,762,573
ARA Core Property Fund	8,714,209	-	-	-	-22,530	-	64,613	-586,253	8,170,039
American Strategic Value Fund	3,532,315	-	-	-	-11,137	-	10,691	-149,413	3,382,456
Mutual Fund Cash	91,882	-	-	-	-	-	785	377	93,043
Total Fund	66,075,836	-	617,683	-1,065,328	-98,485	-71,363	327,308	4,630,851	70,416,501



	QT	ΓR	FY	ΤD	1 Y	'R	3 Y	'R	5 Y	R	10 \	r	Incep	tion	Inception Date
Total Fund (Net)	7.38		7.38		12.72		4.55		9.02		6.96		6.89		01/01/1998
Total Fund Policy	7.85		7.85		13.42		3.51		8.79		7.19		6.67		
Total Fund (Gross)	7.53	(68)	7.53	(68)	13.25	(50)	5.01	(16)	9.53	(17)	7.45	(12)	7.31	(8)	01/01/1998
Total Fund Policy	7.85	(61)	7.85	(61)	13.42	(47)	3.51	(55)	8.79	(44)	7.19	(17)	6.67	(26)	
All Public Plans-Total Fund Median	8.19		8.19		13.22		3.67		8.67		6.53		6.31		
Highland Capital Equity (Gross)	13.21	(24)	13.21	(24)	24.89	(40)	8.27	(62)	14.83	(53)	10.44	(64)	9.11	(66)	01/01/1998
Total Equity Policy	11.51	(62)	11.51	(62)	23.49	(45)	6.96	(75)	13.29	(69)	9.71	(79)	7.43	(98)	
IM U.S. All Cap Core Equity (SA+CF) Median	11.82		11.82		22.90		8.92		14.94		10.98		9.62		
Highland Capital Fixed (Gross)	5.22	(100)	5.22	(100)	8.84	(3)	-1.28	(5)	2.22	(11)	2.51	(21)	4.10	(86)	01/01/1998
Total Fixed Policy	6.82	(53)	6.82	(53)	5.53	(85)	-3.31	(79)	1.10	(95)	1.81	(95)	4.08	(92)	
IM U.S. Broad Market Core Fixed Income (SA+CF) Median	6.82		6.82		6.06		-3.01		1.64		2.25		4.51		
Pimco Global Bond Opp (Hedged) (PGBIX) (Net)	5.67	(84)	5.67	(84)	7.05	(38)	0.24	(6)	N/A		N/A		1.05	(6)	09/01/2020
Bloomberg Global Agg Index (Hedged)	5.99	(82)	5.99	(82)	7.15	(35)	-2.11	(28)	1.39	(31)	2.41	(13)	-1.53	(36)	
IM Global Fixed Income (MF) Median	7.37		7.37		6.74		-3.56		0.82		1.12		-2.31		
ARA Core Realty Fund (Gross)	-5.99	(80)	-5.99	(80)	-13.06	(63)	5.00	(50)	4.57	(58)	7.32	(56)	7.89	(64)	07/01/2012
NCREIF Fund Index-Open End Diversified Core (EW)	-5.23	(67)	-5.23	(67)	-12.71	(61)	5.19	(37)	4.63	(53)	7.53	(52)	8.16	(55)	
IM U.S. Open End Private Real Estate (SA+CF) Median	-4.20		-4.20		-10.48		5.00		4.66		7.61		8.36		
American Strategic Value Fund (Gross)	-3.93	(45)	-3.93	(45)	-9.26	(28)	N/A		N/A		N/A		-8.18	(27)	07/01/2022
NCREIF Fund Index-Open End Diversified Core (EW)	-5.23	(67)	-5.23	(67)	-12.71	(61)	5.19	(37)	4.63	(53)	7.53	(52)	-11.10	(55)	
IM U.S. Open End Private Real Estate (SA+CF) Median	-4.20		-4.20		-10.48		5.00		4.66		7.61		-10.57		



Comparative Performance Fiscal Year Returns																		
	Oct-2		Oct-2		Oct-2		Oct-2		Oct-2		Oct-2		Oct-2		Oct-2		Oct-2	
	Sep-		Sep-		Sep-	-	Sep-		Sep-2		Sep-2		Sep-2		Sep-2		Sep-	-
Total Fund (Net)	9.52		-12.11		20.28		9.83		2.83		9.71		12.52		7.49		1.11	
Total Fund Policy	11.05		-14.52		18.68		10.16		5.20		8.58		11.87		11.23		0.03	
Total Fund (Gross)	9.92	(63)	-11.63	(18)	20.73	(39)	10.34	(30)	3.31	(72)	10.22	(12)	13.13	(22)	7.99	(80)	1.48	(6)
Total Fund Policy	11.05	(43)	-14.52	(47)	18.68	(69)	10.16	(32)	5.20	(16)	8.58	(36)	11.87	(50)	11.23	(6)	0.03	(28)
All Public Plans-Total Fund Median	10.57		-14.79		19.90		8.62		3.99		7.94		11.83		9.38		-0.70	
Highland Capital Equity (Gross)	20.15	(44)	-18.92	(79)	32.18	(44)	15.40	(40)	0.72	(68)	16.31	(57)	20.57	(25)	9.30	(76)	-0.41	(47)
Total Equity Policy	20.74	(34)	-19.42	(83)	30.03	(56)	12.06	(56)	2.04	(62)	13.62	(70)	19.14	(36)	13.68	(42)	-3.37	(73)
IM U.S. All Cap Core Equity (SA+CF) Median	19.49		-16.81		31.49		13.75		2.87		16.81		18.13		12.48		-0.51	
Highland Capital Fixed (Gross)	4.25	(2)	-12.91	(7)	1.38	(16)	6.56	(87)	9.68	(89)	-1.07	(72)	0.85	(39)	7.00	(9)	2.18	(89)
Total Fixed Policy	0.64	(73)	-14.60	(62)	-0.90	(83)	6.98	(76)	10.30	(69)	-1.22	(88)	0.07	(84)	5.19	(79)	2.94	(62)
IM U.S. Broad Market Core Fixed Income (SA+CF) Median	1.06		-14.51		-0.05		7.52		10.42		-0.75		0.62		5.66		3.02	
Pimco Global Bond Opp (Hedged) (PGBIX) (Net)	3.78	(29)	-8.12	(6)	2.41	(27)	N/A											
Bloomberg Global Agg Index (Hedged)	2.10	(62)	-12.05	(20)	-0.56	(83)	4.14	(66)	10.65	(13)	0.83	(11)	-0.17	(72)	6.54	(63)	3.14	(1)
IM Global Fixed Income (MF) Median	2.65		-17.63		0.90		5.39		7.65		-1.33		1.10		7.40		-3.88	
ARA Core Realty Fund (Gross)	-12.54	(47)	25.79	(18)	13.51	(75)	1.62	(49)	6.81	(50)	8.50	(61)	7.52	(53)	9.04	(90)	13.98	(58)
NCREIF Fund Index-Open End Diversified Core (EW)	-12.40	(41)	22.76	(40)	15.75	(54)	1.74	(43)	6.17	(70)	8.82	(56)	7.81	(50)	10.62	(66)	14.71	(55)
IM U.S. Open End Private Real Estate (SA+CF) Median	-12.83		20.33		16.09		1.58		6.80		8.93		7.78		11.16		15.08	
American Strategic Value Fund (Gross)	-9.90	(24)	N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A	
NCREIF Fund Index-Open End Diversified Core (EW)	-12.40	(41)	22.76	(40)	15.75	(54)	1.74	(43)	6.17	(70)	8.82	(56)	7.81	(50)	10.62	(66)	14.71	(55)
IM U.S. Open End Private Real Estate (SA+CF) Median	-12.83		20.33		16.09		1.58		6.80		8.93		7.78		11.16		15.08	



Plan Sponsor Peer Group Analysis - All Public Plans-Total Fund 24.00 36.00 20.00 28.00 16.00 20.00 0 00 12.00 12.00 0 00 0 Return 0 Return 0 00 8.00 00 4.00 0 -4.00 4.00 0 0.00 -12.00 00 0 -4.00 -20.00 -28.00 -8.00 Oct-2022 Oct-2021 Oct-2020 Oct-2019 Oct-2018 Oct-2017 To To To To To Τo **FYTD** QTR 1 YR 2 YR 3 YR 4 YR 5 YR Sep-2023 Sep-2022 Sep-2021 Sep-2020 Sep-2019 Sep-2018 7.53 (68) 7.53 (68) 9.92 (63) Total Fund 13.25 (50) -0.78 (38) 5.01 (16) 7.05 (14) 9.53 (17) Total Fund -11.63 (18) 20.73 (39) 10.34 (30) 3.31 (72) 10.22 (12) Fund Policy 7.85 (61) 7.85 (61) 13.42 (47) -1.34 (61) 3.51 (55) 6.11 (46) 8.79 (44) Fund Policy 11.05 (43) -14.52 (47) 18.68 (69) 10.16 (32) 5.20 (16) 8.58 (36) Median 8.19 8.19 13.22 -1.06 3.67 6.03 8.67 Median 10.57 -14.79 19.90 8.62 3.99 7.94 **Comparative Performance** 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr Ending **Ending Ending Ending** Ending Ending Sep-2023 Jun-2023 Mar-2023 Dec-2022 Sep-2022 Jun-2022 4.08 (16) **Total Fund** -2.75 (43) 4.05 (62) 4.37 (87) -3.55 (18) -10.63 (50) **Total Fund Policy** 3.56 4.87 (24)5.60 (53)-4.86 (74)-10.84 (56) -3.17 (65)(38)All Public Plans-Total Fund Median 3.31 4.31 -4.31 -10.65 -2.89 5.67



12/23

3 Yr Rolling Under/Over Performance - 5 Years 20.0 Over Performance **Lotal Fund** (%) 15.0 10.0 5.0 Under Performance 0.0 5.0 10.0 15.0 20.0 0.0 Total Fund Policy (%) Over Performance Under Performance

3 Yr Rolling Percentile Ranking - 5 Years 25.0 50.0 75.0 100.0

	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count	
Total Fund	20	12 (60%)	8 (40%)	0 (0%)	0 (0%)	
Fund Policy	20	5 (25%)	11 (55%)	4 (20%)	0 (0%)	

9/21

3/22

9/22

3/23

3/21

9/20

3/20

9/19

3/19

Peer Group Scattergram - 3 Years 5.83 4.77 4.24 3.71 3.18 11.28 11.36 11.44 11.52 11.60 11.68 11.76 Risk (Standard Deviation %)

X Latest Date

Earliest Date

Peer Group Sca	ttergram - 5 Years			
9.86 (%) 9.57 - 9.28 - 8.99 -		•		
8.70	12.0	12.2	12.4	12.6
		isk (Standard Deviation %)		

	Return	Standard Deviation
Total Fund	5.01	11.36
Fund Policy	3.51	11.54
Median	3.67	11.69

	Return	Standard Deviation
Total Fund	9.53	12.17
Fund Policy	8.79	11.96
Median	8.67	12.38

Historical Statistics	- 3 Years							
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Total Fund	1.75	102.75	93.97	1.55	0.81	0.30	0.97	7.52
Fund Policy	0.00	100.00	100.00	0.00	N/A	0.17	1.00	7.84
Historical Statistics	- 5 Years							
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Total Fund	1.68	103.39	100.34	0.64	0.42	0.66	1.01	7.75
Total Fund Policy	0.00	100.00	100.00	0.00	N/A	0.61	1.00	7.63

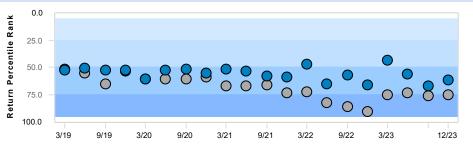


Peer Group Analysis - IM U.S. All Cap Core Equity (SA+CF) 44.00 65.00 38.00 50.00 32.00 35.00 00 26.00 lee0 00 20.00 20.00 0 0 0 Return Return 14.00 5.00 0 00 0 0 8.00 0 -10.00 00 2.00 00 -25.00 -4.00 -40.00 -10.00 -16.00 -55.00 Oct-2022 Oct-2021 Oct-2020 Oct-2019 Oct-2018 Oct-2017 Τo Τo To To To To QTR **FYTD** 1 YR 2 YR 3 YR 4 YR 5 YR Sep-2023 Sep-2022 Sep-2021 Sep-2020 Sep-2019 Sep-2018 8.27 (62) 32.18 Highland Eq 13.21 (24) 13.21 (24) 24.89 (39) 1.03 (49) 11.36 (49) 14.83 (53) Highland Eq 20.15 (43) -18.92 (79) 15.40 (40) 0.72 16.31 (57) Equity Policy 20.74 (33) -19.42 (83) Equity Policy 11.51 (62) 11.51 (62) 23.49 (43) 0.51 (63) 6.96 (75) 9.72 (71) 13.29 (69) 30.03 (56) 12.06 (56) 2.04 (62) 13.62 (70) Median 11.82 11.82 22.53 1.01 8.92 11.19 14.94 Median 19.44 -16.81 31.49 13.75 2.87 16.81 **Comparative Performance** 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr Ending **Ending Ending** Ending Ending Ending Sep-2023 Jun-2023 Mar-2023 Dec-2022 Sep-2022 Jun-2022 Highland Eq -3.87 (74) 7.73 (34) 6.52 (43) 8.91 (47) -5.20 (64) -16.65 (77) **Total Equity Policy** -3.35 6.95 (48)7.14 (36)9.03 (44)-5.80 (83)-15.91 (64) (62)IM U.S. All Cap Core Equity (SA+CF) Median 5.80 8.68 -4.49 -15.03 -3.226.72



3 Yr Rolling Under/Over Performance - 5 Years 32.0 Over Performance **2**4.0 Highland 8.0 8.0 Under Performance -8.0 0.0 8.0 16.0 24.0 32.0 -8.0 Total Equity Policy (%) Over Performance Under Performance

3 Yr Rolling Percentile Ranking - 5 Years

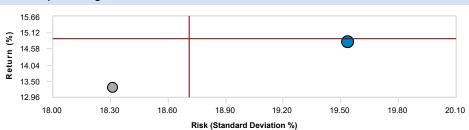


	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count	
Highland Eq	20	0 (0%)	2 (10%)	18 (90%)	0 (0%)	
Equity Policy	20	0 (0%)	0 (0%)	16 (80%)	4 (20%)	

Peer Group Scattergram - 3 Years 9.60 8.96 8.32 7.68 7.04 6.40 16.20 16.50 16.80 17.10 17.40 17.70 18.00 18.30 Risk (Standard Deviation %)

X Latest Date

Peer Group Scattergram - 5 Years



	Return	Standard Deviation
Highland Eq	8.27	17.88
Equity Policy	6.96	16.66
Median	8.92	17.29

	Return	Standard Deviation	
Highland Eq	14.83	19.53	
Equity Policy	13.29	18.31	
Median	14.94	18.71	

Historical Statistics - 3 Years

Earliest Date

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Highland Eq	2.60	107.06	102.90	0.92	0.55	0.42	1.06	11.57
Equity Policy	0.00	100.00	100.00	0.00	N/A	0.36	1.00	10.97

Historical Statistics - 5 Years

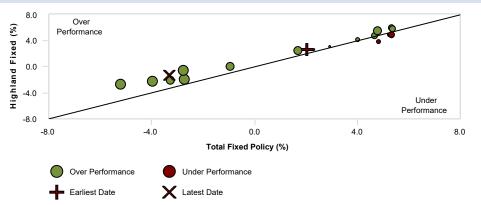
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Highland Eq	2.41	107.18	104.30	0.73	0.66	0.71	1.06	12.21
Equity Policy	0.00	100.00	100.00	0.00	N/A	0.67	1.00	11.66



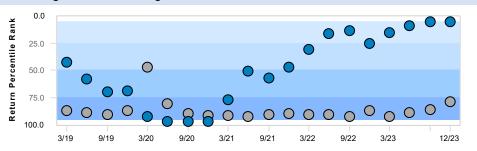
Peer Group Analysis - IM U.S. Broad Market Core Fixed Income (SA+CF) 14.00 20.00 15.00 11.00 00 10.00 8.00 00 0 0 5.00 5.00 0.00 Return 2.00 -5.00 -1.00 -10.00 0 -4.00 0 -15.00 -7.00 -20.00 -25.00 -10.00 Oct-2022 Oct-2021 Oct-2020 Oct-2019 Oct-2018 Oct-2017 To Τo To To Τo To QTR FYTD 1 YR 2 YR 3 YR 4 YR 5 YR Sep-2023 Sep-2022 Sep-2021 Sep-2020 Sep-2019 Sep-2018 Highland Fixed 5.22 (100) 5.22 (100) 8.84 (3) -2.53 (6) -1.28 (5) 0.72 (9) 2.22 (11) Highland Fixed 4.25 (2) -12.91 (7) 9.68 -1.07 (72) 1.38 (16) 6.56 (87) Fixed Policy 6.82 (53) 5.53 (85) -3.31 (79) -0.72 (94) 1.10 (95) Fixed Policy 0.64 (73) -14.60 (62) 6.82 (53) -4.19 (76) -0.90 (83) 6.98 (76) 10.30 (69) -1.22 (88) Median 6.82 6.82 6.06 -3.96-3.01 -0.21 1.64 Median 1.06 -14.51 -0.05 7.52 10.42 -0.75 **Comparative Performance** 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr Ending Ending Ending Ending Ending Ending Sep-2023 Jun-2023 Mar-2023 Dec-2022 Sep-2022 Jun-2022 Highland Fixed -0.50 (2) 0.02 (5) 3.94 (3) 0.78 (99) -4.22 (16) -4.18 (12) **Total Fixed Policy** -3.23 (71) -0.84 (80)2.96 (77)(42)-4.75 (78) -4.69 (39)1.87 IM U.S. Broad Market Core Fixed Income (SA+CF) Median -4.59 -4.73 -3.13 -0.72 3.16 1.80



3 Yr Rolling Under/Over Performance - 5 Years



3 Yr Rolling Percentile Ranking - 5 Years

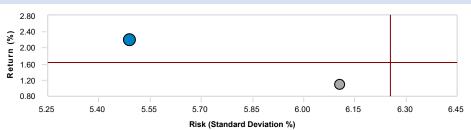


	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count	
Highland Fixed	20	7 (35%)	3 (15%)	5 (25%)	5 (25%)	
Fixed Policy	20	0 (0%)	1 (5%)	0 (0%)	19 (95%)	

Peer Group Scattergram - 3 Years



Peer Gro	oup Scatte	rgram - 5 `	Years
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	Return	Standard Deviation
Highland Fixed	-1.28	5.92
Fixed Policy	-3.31	7.14
Median	-3.01	7.15

	Return	Deviation
Highland Fixed	2.22	5.49
Fixed Policy	1.10	6.11
Median	1.64	6.25

Historical Statistics - 3 Years

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Highland Fixed	2.60	84.74	71.29	1.31	0.77	-0.56	0.78	4.11
Fixed Policy	0.00	100.00	100.00	0.00	N/A	-0.75	1.00	5.21

Historical Statistics - 5 Years

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Highland Fixed	2.53	94.58	79.05	1.31	0.42	0.09	0.82	3.56
Fixed Policy	0.00	100.00	100.00	0.00	N/A	-0.10	1.00	4.07



Plan Sponsor Peer Group Analysis - IM Global Fixed Income (MF) 14.00 20.00 11.00 14.00 0 8.00 8.00 00 00 00 0 5.00 2.00 0 0 2.00 -4.00 0 Return 0 -1.00 -10.00 0 0 0 -4.00 -16.00 -7.00 -22.00 -10.00 -28.00 -34.00 -13.00 Oct-2021 Oct-2022 Oct-2020 Oct-2019 Oct-2018 Oct-2017 Τo Τo To Τo To Τo QTR **FYTD** 1 YR 2 YR 3 YR 4 YR 5 YR Sep-2023 Sep-2022 Sep-2021 Sep-2020 Sep-2019 Sep-2018 Pimco GB Opp 5.67 (84) 5.67 (84) 7.05 (38) 0.66 (3) 0.24 (6) N/A Pimco GB Opp 3.78 (29) -8.12 (6) 2.41 N/A (27)N/A N/A N/A 1.39 (31) BBg Global Agg 5.99 (82) 5.99 (82) 7.15 (35) -2.47 (31) BBg Global Agg 2.10 (62) -12.05 (20) -2.11 (28) -0.24 (35) -0.56 (83) 4.14 (66) 10.65 (13) 0.83 (11) Median 7.37 7.37 6.74 -3.80 -3.56 -0.98 0.82 Median 2.65 -17.63 0.90 5.39 7.65 -1.33 **Comparative Performance** 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr Ending Ending Ending Ending Ending **Ending** Sep-2023 Jun-2023 Mar-2023 Dec-2022 Sep-2022 Jun-2022 Pimco GB Opp -0.64 (9) 0.04 (19) 1.92 (89) 2.44 (61) -2.03 (17) -3.39 (10) Bloomberg Global Agg Index (Hedged) -1.82 (40)0.06 2.90 (39)0.99 (88)-3.34 (35)-4.30 (13) (19)-4.13 IM Global Fixed Income (MF) Median -2.42 -7.00 -0.58 2.76 3.53



Plan Sponsor Peer Group Analysis - IM U.S. Open End Private Real Estate (SA+CF) 20.00 44.00 14.00 36.00 8.00 28.00 00 00 00 0 2.00 20.00 0 0 0 0 -4.00 12.00 00 Return 0 Return 00 00 -10.00 4.00 00 00 -16.00 -4.00 -22.00 -12.00 00 -28.00 -20.00 -28.00 -34.00 Oct-2022 Oct-2021 Oct-2020 Oct-2019 Oct-2018 Oct-2017 То To To То To To QTR **FYTD** 1 YR 2 YR 3 YR 4 YR 5 YR Sep-2023 Sep-2022 Sep-2021 Sep-2020 Sep-2019 Sep-2018 ARA Core -5.99 (80) -5.99 (80) -13.06 (63) -2.50 (34) 5.00 (50) 4.14 (43) 4.57 (58) ARA Core -12.54 (47) 25.79 (18) 13.51 (75) 8.50 (61) 1.62 (49) 6.81 -2.72 (37) 5.19 (37) 4.27 (40) 4.63 (53) O NCREIF ODCE -12.40 (41) 22.76 (40) 15.75 (54) 8.82 (56) -5.23 (67) -12.71 (61) 1.74 (43) 6.17 (70) Median -4.20 -4.20 -10.48-2.89 5.00 3.96 4.66 Median -12.83 20.33 16.09 1.58 6.80 8.93 **Comparative Performance**

1 Qtr

Ending

Jun-2023

-2.22 (65)

-2.86 (70)

-1.98

1 Qtr

Ending

Mar-2023

-3.28 (65)

-3.31 (65)

-2.91

1 Qtr

Ending

Dec-2022

-5.42 (64)

-4.90 (48)

-4.97

1 Qtr

Ending

Sep-2022

(41)

1.66 (22)

0.96

0.60

1 Qtr

Ending

Sep-2023

-2.22 (41)

-1.93 (35)

-2.72

4.84		
4.55	(39)	
4.33		

1 Qtr

Ending

Jun-2022

ARA Core

NCREIF ODCE

IM U.S. Open End Private Real Estate (SA+CF) Median

12/23

3 Yr Rolling Under/Over Performance - 5 Years 18.0 Over Performance **ARACO re** (%) 12.0 9.0 9.0 6.0 Under Performance 3.0 9.0 12.0 15.0 18.0 3.0 NCREIF ODCE (%) Over Performance Under Performance X Latest Date Earliest Date

3 Yr Rolling Percentile Ranking - 5 Years 25.0 - 25.0 - 75.0 - 100.0

	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count	
ARA Core	20	1 (5%)	8 (40%)	11 (55%)	0 (0%)	
NCREIF ODCE	20	0 (0%)	10 (50%)	10 (50%)	0 (0%)	

3/21

3/22

9/21

9/22

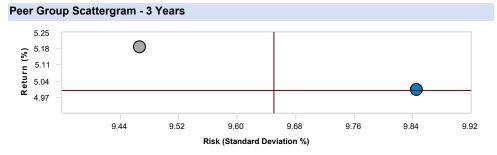
3/23

9/19

3/20

9/20

3/19



Peer Gro	up Scattergram -	· 5 Years				
4.68						
% 4.64		0				
4.60 4.56	_					
2 4.56						
	7.3 7	.4	7.5	7.6	7.7	7.8
		Ris	sk (Standard Deviation	ı %)		

	Return	Standard Deviation
ARA Core	5.00	9.85
 NCREIF ODCE 	5.19	9.47
Median	5.00	9.65

	Return	Standard Deviation
ARA Core	4.57	7.74
NCREIF ODCE	4.63	7.43
Median	4.66	7.70

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
ARA Core	1.35	101.33	104.91	-0.30	-0.11	0.31	1.03	5.35
NCREIF ODCE	0.00	100.00	100.00	0.00	N/A	0.34	1.00	4.97
Historical Statistic	s - 5 Years							
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
ARA Core	1.14	101.51	104.37	-0.17	-0.03	0.35	1.03	4.18
NCREIF ODCE	0.00	100.00	100.00	0.00	N/A	0.37	1.00	3.89



Historical Statistics - 3 Years

Plan Sponsor Peer Group Analysis - IM U.S. Open End Private Real Estate (SA+CF) 20.00 44.00 14.00 36.00 8.00 28.00 0 0 0 0 2.00 20.00 0 0 12.00 -4.00 0 Return 0 0 0 -10.00 4.00 0 0 -16.00 -4.00 -22.00 -12.00 0 -28.00 -20.00 -28.00 -34.00 Oct-2022 Oct-2021 Oct-2020 Oct-2019 Oct-2018 Oct-2017 Τo To To To To To QTR **FYTD** 1 YR 2 YR 3 YR 4 YR 5 YR Sep-2023 Sep-2022 Sep-2021 Sep-2020 Sep-2019 Sep-2018 Am Strategic Val -3.93 (45) -3.93 (45) -9.26 (28) N/A N/A N/A ● Am Strategic Val -9.90 (24) N/A N/A N/A N/A N/A N/A -2.72 (37) NCREIF ODCE -5.23 (67) -12.71 (61) 4.63 (53) -5.23 (67) 5.19 (37) 4.27 (40) 1.74 (43) 6.17 (70) 8.82 (56) Median -4.20 -4.20 -10.48 -2.89 5.00 3.96 4.66 Median -12.83 20.33 16.09 1.58 6.80 8.93 **Comparative Performance**

1 Qtr

Ending

Jun-2023

-1.94 (49)

-2.86 (70)

-1.98

1 Qtr

Ending

Mar-2023

-2.45 (42)

-3.31 (65)

-2.91

1 Qtr

Ending

Dec-2022

-4.61 (40)

-4.90 (48)

-4.97

1 Qtr

Ending

Sep-2022

(41)

1.64 (25)

0.96

0.60

1 Qtr

Ending

Sep-2023

-1.25 (19)

(35)

-1.93

-2.72



1 Qtr

Ending

Jun-2022

(39)

N/A

4.55

4.33

Am Strategic Val

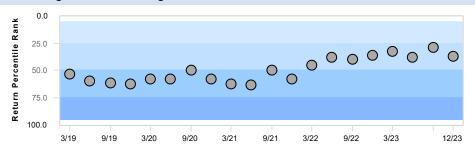
NCREIF ODCE

IM U.S. Open End Private Real Estate (SA+CF) Median

3 Yr Rolling Under/Over Performance - 5 Years

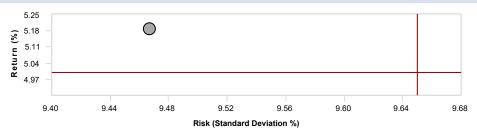
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3 Yr Rolling Percentile Ranking - 5 Years



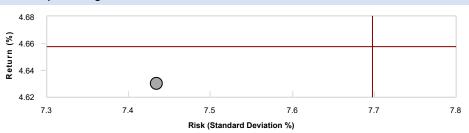
	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count	
Am Strategic Val	0	0	0	0	0	-
NCREIF ODCE	20	0 (0%)	10 (50%)	10 (50%)	0 (0%)	

Peer Group Scattergram - 3 Years



	Return	Standard Deviation
Am Strategic Val	N/A	N/A
NCREIF ODCE	5.19	9.47
Median	5.00	9.65

Peer Group Scattergram - 5 Years



	Return	Standard Deviation
Am Strategic Val	N/A	N/A
 NCREIF ODCE 	4.63	7.43
Median	4.66	7.70

Historical Statistics - 3 Years

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Am Strategic Val	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NCREIF ODCE	0.00	100.00	100.00	0.00	N/A	0.34	1.00	4.97

Historical Statistics - 5 Years

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Am Strategic Val	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NCREIF ODCE	0.00	100.00	100.00	0.00	N/A	0.37	1.00	3.89



Total Fund Compliance	YES	NO	
The total plan gross return equaled or exceeded the total plan benchmark over the trailing three year period.	Х		
The total plan gross return equaled or exceeded the total plan benchmark over the trailing five year period.	Х		
The total plan gross return ranked within the top 40th percentile of its peer group over the trailing three year period.	Х		
The total plan gross return ranked within the top 40th percentile of its peer group over the trailing five year period.	Х		
The total plan gross return equaled or exceeded the actuarial earnings assumption over the trailing three year period.		X	
The total plan gross return equaled or exceeded the actuarial earnings assumption over the trailing five year period.	X		
Equity Compliance	YES	NO	
The total equity returns meet or exceed the benchmark over the trailing three year period.	Х		
The total equity returns meet or exceed the benchmark over the trailing five year period.	Х		
The total equity returns ranked within the top 40th percentile of its peer group over the trailing three year period.		Χ	
The total equity returns ranked within the top 40th percentile of its peer group over the trailing five year period.		Χ	
The total equity allocation was less than 70% of the total plan assets at market.	Х		
The total foreign equity was less than 25% of the total plan assets at market.	X		
Fixed Income Compliance	YES	NO	
The total domestic fixed income returns meet or exceed the benchmark over the trailing three year period.	Х		
The total domestic fixed income returns meet or exceed the benchmark over the trailing five year period.	Х		
The total domestic fixed income returns ranked within the top 40th percentile of its peer group over the trailing three year period.	Х		
The total domestic fixed income returns ranked within the top 40th percentile of its peer group over the trailing five year period.	Х		
The average weight of the fixed income portfolio was "AA" or better.	Х		

Manager Compliance		land - E	Highland - Fixed			Pimco Global			ARA Core Realty			
		NO	N/A	YES	NO	N/A	YES	NO	N/A	YES	NO	N/A
Manager outperformed the index over the trailing three and five year periods.	Х			х					Х		Х	
Manager ranked within the top 40th percentile over trailing three and five year periods.		Х		х					Х		Х	
Less than four consecutive quarters of under performance relative to the benchmark.	Х			х			х			Х		
Three and five year down-market capture ratio less than the index.		Χ		х					Χ			Χ
										Ameri	ican Str	ategic
										YES	NO	N/A
Manager outperformed the index over the trailing three and five year periods.												Х
Manager ranked within the top 40th percentile over trailing three and five year periods.												Х
Less than four consecutive quarters of under performance relative to the benchmark.												Χ
Three and five year down-market capture ratio less than the index.												Х



	Estimated Annual Fee (%)	Market Value (\$)	Estimated Annual Fee (\$)	Fee Schedule
Total Fund	0.53	70,416,501	372,879	
Highland Capital	0.40	55,008,391	220,034	0.40 % of Assets
American Core Realty	1.10	8,170,039	89,870	1.10 % of Assets
American Strategic Value Fund	1.25	3,382,456	42,281	1.25 % of Assets
Pimco Global Bond Opp	0.55	3,762,573	20,694	0.55 % of Assets
Mutual Fund Cash		93,043	-	



Parentheses contain percentile rankings.
Calculation based on <Periodicity> periodicity.



Total Fund Policy	Total Equit
ion Mandate Weight (%) Allocation	Mandate
-1975 Jan-1998	
&P 500 Index 50.00 S&P 500 In	ıdex
ICE BofAML Govt/ Corp Master 50.00	
Oct-2004	
Oct-2004 S&P 500 II	
S&P 500 Index 50.00 MSCI EAF	≟ Index
ICE BofAML US Domestic Master 40.00 MSCLEAFE Index 10.00 Jan-2014	
MSCI EAFE Index 10.00 Jan-2014 Russell 30	00 Indov
	Vorld ex USA
Russell 3000 Index 45.00	Volid CX COX
MSCI AC World ex USA 15.00	
Blmbg. U.S. Aggregate Index 25.00	
FTSE World Government Bond Index 5.00	
NCREIF Fund Index-Open End Diversified Core (EW) 10.00	
Sep-2023	
Russell 3000 Index 45.00 Total Fixe	d Income Policy
MSCI AC World ex USA 15.00 Allocation	
Blmbg. U.S. Aggregate Index 20.00 Jan-1998	
FTSE World Government Bond Index 5.00 ICF BofAM	IL Govt/ Corp Master
NCREIF Fund Index-Open End Diversified Core (EW) 15.00	
Oct-2004	
ICE BofAN	IL US Domestic Master
Jan-2014	
Blmbg. U.S	S. Aggregate Index



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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