Investment Performance Review Period Ending December 31, 2022

Palm Beach Gardens Police Pension Plan



AndCo Consulting | (844) 44-ANDCO | AndCoConsulting.com

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On behalf of everyone at AndCo, we want to <u>Thank You</u> for the opportunity to serve you and for the trust you place 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. 2022 marked the 22nd straight year of revenue growth for the firm and we advise on approximately \$90 billion in client assets as of December 31st. We reinvested 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 additional personnel and technology investments in 2022. Specifically, we hired a Chief Information Officer (Bharat Kumta) after a national search led by a specialized executive recruiting firm. We believe technology is going to drive successful firms in our industry and we plan to invest heavily within this business function to support digital transformation. We also integrated a new Chief Human Resources Officer (Stacie Runion) through a national search led by an executive recruiter. We believe our firm's most important asset is our people, so we need to ensure we have the right leadership team in HR to focus on that asset. We also hired team members in Finance, Human Resources, Consulting, Research, Solutions & Growth, Technology and Performance & Reporting. These personnel investments focused on further enhancing functional areas, departmental service levels, and narrowing potential gaps. We also continued to invest in our proprietary software system to compile and share information firmwide to better serve our clients more effectively and efficiently. Finally, we engaged several outside consulting firms to help us better assess and invest in areas within our firm we believe will drive value for our clients going forward. Some examples include working with an outside group to evaluate and enhance our Operational Due Diligence efforts with investment managers and a separate group to help us review and analyze our current Discretionary Services offerings and how to make this service stronger for our clients.

As we start 2023, we are 93 team members strong with plans to grow. We are targeting several new positions for the year as we thoughtfully continue to invest in our firm to provide the quality services you expect from AndCo. These talent enhancements cover multiple functions and departments at AndCo including Consulting, Research, Performance & Reporting, Marketing, Technology and Compliance. While adding additional resources to a firm our size is a significant investment, it is one we embrace due to the impact we believe it will have on our ability to continue serving our clients at a high level and will push us closer to our vision of being a transformational organization viewed as the leader in our industry. We thoughtfully grow while helping to ensure that service will not suffer at AndCo at the expense of growth. Rather, we utilize growth to enhance our value proposition and overall service to our valued clients.

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 three new team members were named partners at AndCo – Jon Breth, Tyler Grumbles and Brooke Wilson. Jon has been with AndCo for 11-years and Tyler has been with AndCo for 15-years. Jon and Tyler are both members of our Consulting Department. Brooke was recently promoted to Executive Director of our Performance & Reporting Department and has been with AndCo 7-years. We could not be happier for Jon, Tyler, and Brooke or more grateful for the contributions they have made to AndCo since joining the firm. Jon, Tyler, and Brooke represent what it means to be an AndCo team member, and we are honored and fortunate to have them as partners at our firm.

While three new members will be added to the partnership in 2023, we will also be losing one valuable team member. Donna Sullivan retired on December 31, 2022. Donna joined AndCo at its inception in September of 2000. Donna has been integral in the success of the firm and for many years was the glue that held everything together. Her contributions and sacrifices are too many to reference in this letter. While we are extraordinarily excited for her and the next chapter of her life, she will be greatly missed as a partner and team member. We will be honoring Donna and her legacy with the Donna Sullivan Believe Award. This award will be given each year to the team member at AndCo that best demonstrates their belief in AndCo's Mission, Vision, and Values. Donna believed in what AndCo stood for before anyone else did, and she carried that belief for 23 years. Thank you, Donna!

With the addition of Jon, Tyler, and Brooke, and Donna's retirement, we now have 15 partners representing various functions and departments at AndCo. Our growing partnership group provides great perspective and insight which continues to strengthen AndCo and reaffirm our belief that 100% employee management is vital to the long-term success of our organization. We have great team members at AndCo and this partnership group will continue to expand as we move forward.

In closing, we know that 2022 was a dramatically different environment for investing as compared to 2021, with record high inflation and double-digit losses in both equity AND fixed income assets - all resulting in challenging client portfolio results. Please know our team works tirelessly to provide the advice and guidance you need regardless of the market environment. Our name, AndCo, reminds us of who we work for every day - "Our Client" &Co. You are first in our service model. As we continue to discuss strategic decisions and reinvestments regarding our firm, please know that our decisions are filtered through the following question: "How does this keep our clients' interests first?" If it doesn't meet this standard, we don't do it - it's that simple.

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

Mike Welker, CFA® CEO

Organizational Chart

PARTNERSHIP

Mike Welker, CFA® **Jason Purdy** Jon Breth. CFP® **Brian Green** Brooke Wilson, CIPM[®] Kerry Richardville, CFA[®] Bryan Bakardjiev, CFA® Kim Spurlin, CPA **Steve Gordon Dan Johnson Trov Brown, CFA®** Dan Osika, CFA® Tyler Grumbles, CFA[®]. Evan Scussel, CFA®, CIPM[®], CAIA[®] CAIA®

Jacob Peacock, CPFA

LEADERSHIP & MANAGEMENT

Mike Welker, CFA® CEO

Bharat Kumta CIO

Bryan Bakardjiev, CFA® COO

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

Kim Spurlin, CPA CFO

Sara Searle

Stacie Runion CHRO

Steve Gordon Solutions & Growth Director

Troy Brown, CFA® Executive Director of Consultina

INVESTMENT POLICY COMMITTEE

Bryan Bakardjiev, CFA Mike Welker. CFA®

Executive Director of **Dan Johnson**

Consulting Director

Consulting Director

Jacob Peacock, CPFA **Consulting Director**

Jason Purdy I.T. Director

Molly Halcom Solutions & Growth

Director

Philip Schmitt Research Director

Sara Searle

Trov Brown, CFA®

Rachel Brignoni, MHR People & Culture Director Annette Bidart

Ian Jones

CONSULTING

Brad Hess, CFA®, CPFA **Brendon Vavrica, CFP® Brian Green** Chris Kuhn, CFA®, CAIA® **Christiaan Brokaw, CFA® Dave West, CFA® Doug Anderson, CPFA Frank Burnette Gwelda Swillev**

James Ross Jeff Kuchta, CFA®, CPFA Jennifer Brozstek Jennifer Gainfort, CFA®, **CPFA** John Mellinger John Thinnes, CFA®, CAIA®, CPFA Jon Breth, CFP® **Jorge Friguls, CPFA** Justin Lauver, Esg. Kerry Richardville, CFA®

PERFORMANCE REPORTING

Albert Sauerland Edward Cha Amy Steele Grace Niebrzydowski **Bob Bulas James Culpepper David Gough, CPFA James Reno Don Delanev** Jeff Pruniski **Donnell Lehrer, CPFA** Joe Carter, CPFA **OPERATIONS**

FINANCE **I.T. & OPERATIONS Geoffrey Granger** Kahjeelia Pope **Jerry Camel Michelle Boff**

Kenneth Dav **Robert Marquetti** COMPLIANCE HUMAN RESOURCES

Allen Caldwell Thay Arroyo

Mary Nye **Michael Fleiner Michael Holycross Mike Bostler** Oleg Sydyak, CFA[®], FSA, EA Paul Murray, CPFA **Peter Brown Tim Walters Tony Kay** Tyler Grumbles, CFA®, **CIPM®, CAIA®**

Julio Garcia Rengifo Kim Hummel Rotchild Dorson Yoon Lee-Choi

MARKETING Lauren Kaufmann

SOLUTIONS & GROWTH Dan Osika, CFA® John Rodak, CIPM[®] Paola Gervasi



RESEARCH

Andrew Mulhall Public Equity & Fixed Income

Ben Baldridge, CFA[®], CAIA[®] Private & Hedged Fixed Income

Chester Wyche Real Estate & Real Assets

Dan Lomelino, CFA® **Fixed Income**

David Julier Real Estate & Real Assets

Elizabeth Wolfe Capital Markets & Asset Allocation

Evan Scussel, CFA®, CAIA® Private & Public Equity

Joseph Ivaszuk **Operational Due Diligence**

Josue Christiansen, CFA®, CIPM® Public Equity

Julie Baker, CFA[®], CAIA[®] Private & Hedged Equity

Justin Ellsesser, CFA®, CAIA® Private Equity

Kevin Laake, CFA®, CAIA® Private Equity

Michael Kosoff Hedge Funds

Philip Schmitt Fixed Income & Capital Markets

Ryan McCuskey Real Estate & Real Assets

Xinxin Liu, CFA®, FRM Private Equity and Private Debt

Zac Chichinski, CFA®, CIPM® Public Equity

EMPLOYEES

ADVANCED 23 CFA® 8 CAIA® 11 CPFA 5 CIPM®

Employee counts are as of 1/1/2023 and reflect only full time employees and do not include any who are part time, temporary or independent contractors.

Kelly Pearce

Shelley Berthold



Brooke Wilson, CIPM® Performance Reporting

Jack Evatt

4th Quarter 2022 Market Environment



The Economy

- US GDP growth is expected to remain strong in the 4th quarter. While the final measure of 3rd quarter GDP was revised upward to 3.2%, global GDP growth remains challenged with higher energy prices continuing to act as a headwind, especially in Europe. However, China is beginning the process of reopening its economy which should boost emerging markets.
- The US Federal Reserve Bank (the Fed) continued to increase interest rates during the quarter with a 0.75% increase in November and a 0.50% increase in December. Importantly, the Fed signaled it remains committed to fighting inflation through additional rate hikes if needed.
- The US labor market continued to show its resiliency by adding roughly 680 thousand jobs during the 4th quarter. As a result, the unemployment rate fell to 3.5% in December. Despite these gains, the number of announced layoffs during the quarter increased, which could impact labor markets in the future periods.
- Global markets were broadly positive during the 4th quarter. Despite persistent inflation, tighter central bank monetary policy, slowing GDP growth, and continuing geopolitical risks investors were focused on the potential of central banks slowing the pace of tightening as inflation moderated.

Equity (Domestic and International)

- US equities moved higher during the 4th quarter despite concerns regarding inflation, the potential for higher interest rates, and a slowing global GDP growth. Large cap value was the best performing domestic segment of the equity market relative to other US market capitalizations and styles during the period while large cap growth performed the worst.
- International stocks also experienced strong returns during the 4th quarter. While local currency performance was solid, the primary catalyst for outsized returns was a weakening USD, which fell against most major and emerging market currencies. GDP growth, especially in Europe, remained under pressure as central bank policies remained restrictive and elevated energy prices acted as a headwind. Finally, China began to relax its zero-tolerance policy regarding Covid-19, which positively contributed to both global GDP growth and equity market performance.

Fixed Income

- While inflation declined during the 4th quarter, the Fed continued increasing interest rates with two increases totaling 1.25%. Despite the short-term increases, long-term interest rates remained relatively stable during the period. US interest rates moved slightly higher during the quarter with the US 10-Year Treasury bond rising 0.08% to close the year at a yield of 3.88%.
- Performance across domestic bond market sectors was positive during the quarter, led by US high yield and corporate investment grade bonds. Much like equities, global bonds outperformed their domestic peers mainly due to a weaker USD.
- The combination of higher coupons, a shorter maturity profile relative to high quality government bonds, and narrower credit spreads were the primary drivers of relative return during the period.
- US Treasury bonds lagged their corporate bond peers during the quarter as investors' concerns about rising interest rates and the need for safety subsided.

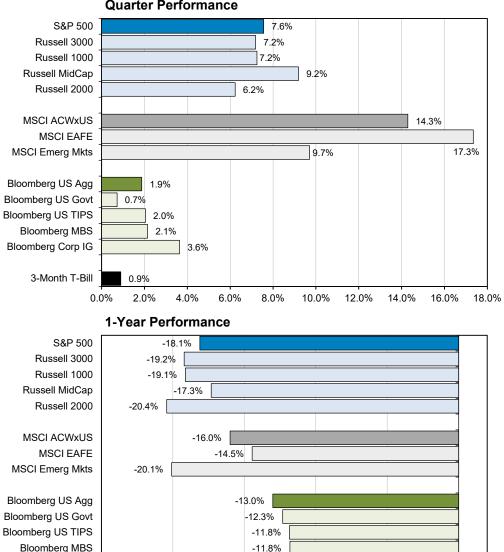
Market Themes

- Central banks remained vigilant in their fight against inflation with the Fed, the Bank of England, and the European Central Bank all raising interest rates during the quarter. Additionally, the Bank of Japan relaxed their targeting of interest rates, allowing the 10-Year Japanese Government Bond to float to 0.50%, above the previous 0.25% level.
- The conflict in Ukraine continues to disrupt global energy markets, in addition to the ongoing humanitarian crisis. Energy costs remain elevated which could further negatively impact economic growth.
- Both US and international equity markets rebounded during the quarter on expectations that inflation would continue to moderate, which could lead central banks to begin the process of slowing the pace of monetary tightening. Valueoriented stocks outperformed growth stocks as investors remained concerned about the pace of future growth.
- Short-term interest rates rose across most developed markets as central banks continued to tighten. Despite concerns about the potential for slowing economic growth, lower quality corporate bonds outperformed higher quality government bonds and USD weakness acted as a tailwind for global bonds during the quarter.



- Equity markets moved higher during the 4th guarter, but it was not sufficient to offset prior quarter pullbacks. Factors that contributed to performance included declining inflation, expectations that the Fed would slow the pace of future interest rate increases, and expectations that China would begin to open its economy. For the period, the S&P 500 large cap benchmark returned 7.6%, compared to 9.2% for mid-cap and 6.2% for small cap benchmarks.
- Like domestic equities, developed markets international and emerging market equities delivered positive results for the 4th quarter. Europe continues to face headwinds from higher-than-expected inflation, elevated energy prices, geopolitical risks related to the conflict in Ukraine, and rising interest rates. Emerging markets were positively impacted by China's decision to loosen restrictions related to the pandemic. Importantly, global equities were positively impacted by a decline in the USD. For the guarter, the MSCI EAFE Index returned 17.3% while the MSCI Emerging Markets Index rose by 9.7%.
- For the guarter, performance of the bond market was broadly positive due to lower inflation and lower interest rate volatility. The Bloomberg (BB) US Aggregate Index returned 1.9%, for the period while investment grade corporate bonds posted a return of 3.6%.
- Performance for developed equity markets was strongly negative over the trailing 1-year period. The bellwether S&P 500 Index dropped -18.1% for the year. The primary drivers of return during the period were concerns related to rising inflation, tighter monetary policy from global central banks, and slowing global economic growth. The weakest relative performance outlier was the Russell 2000 Index which declined by -20.4% for the year.
- Over the trailing 1-year period, international markets declined similarly to domestic markets. The MSCI EAFE Index returned -14.5% while the MSCI Emerging Markets Index fell by -20.1%. Continued concerns related to Ukraine, elevated inflation, and slowing global economic growth negatively impacted markets. However, a weakening USD acted as a tailwind to international performance in the second half of the year.
- Bond market returns were widely negative over the trailing 1-year period due primarily to concerns about persistently high inflation and the expectation of higher future interest rates. US TIPS and mortgage-backed bonds were the least negative sectors with both returning -11.6% for the year. Investment grade corporate bonds suffered the year's largest loss, falling -15.8%.

Source: Investment Metrics



-15.8%

-20.0%

-15.0%

-10.0%

-5.0%

Quarter Performance

Bloomberg Corp IG

3-Month T-Bill

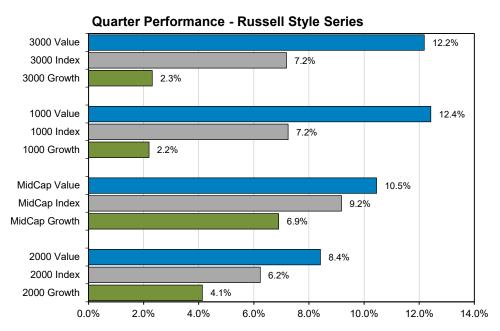
-25.0%

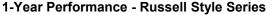
1.5%

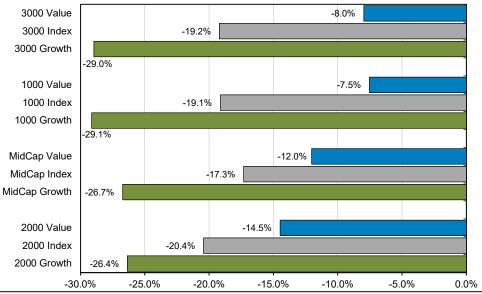
0.0%

- Despite a pullback in December, equity markets broadly experienced strong absolute returns during the 4th quarter across both the style and market capitalization spectrums. With concerns about the potential for slowing economic conditions, large cap stocks resumed their leadership, followed by mid and small cap stocks. The Russell 1000 Value Index delivered 12.4% for the quarter, followed by while the Russell Mid Cap Value Index and the Russell 2000 Index, which rose by 10.5% and 8.4%, respectively.
- Performance across styles and market capitalizations was disparate during the quarter. Large, mid, and small cap value stocks all outperformed their growth counterparts. For the period, the Russell 1000 Value Index was the best relative performing style index, posting a return of 12.4%. Large and small cap growth stocks were the laggards during the period with the Russell Large Cap Growth Index and Russell 2000 Growth Index returning 2.2% and 4.1%, respectfully.

- In contrast to the 4th quarter's positive performance, there was a wide range of negative results across market capitalizations over the trailing 1-year period. The Russell 2000 Index returned a disappointing -20.4% for the year, which underperformed both its large and mid cap index counterparts.
- There was also a wide performance dispersion across the style-based indexes for the year with growth stocks down significantly more than their value counterparts at all capitalization ranges. Within large cap stocks, the Russell 1000 Value Index returned -7.5% compared to much larger -29.1% decline for the Russell Large Cap Growth benchmark. The Russell Mid Cap Value Index returned -12.0% while the Russell 2000 Value Index returned -14.5% for the period. While these value benchmark results represented double-digit losses for the year, the Russell Mid Cap Growth Index fell a much larger -26.7% and the Russell 2000 Growth Index declined by a similar -26.4%.





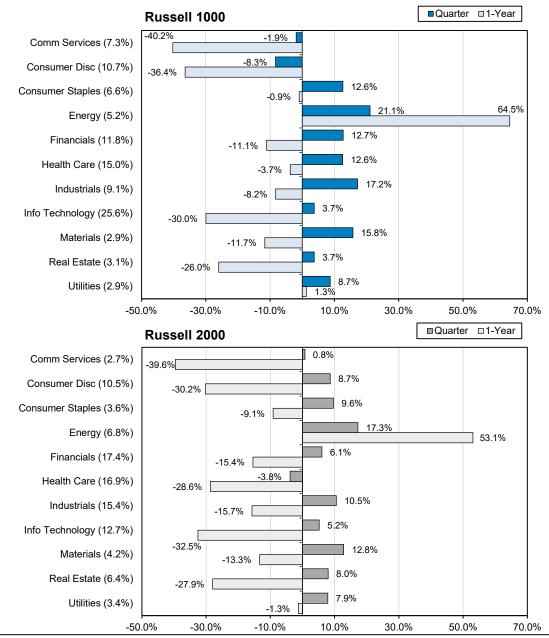


Source: Investment Metrics



- Economic sector performance was positive for nine of the eleven large cap economic sectors for the 4th quarter. Seven sectors outpaced the return of the broad index on a relative basis during the period.
- Energy continued its strong 2022 performance with a 4th quarter return of 21.1%. Other sectors that outpaced the headline index's return for the quarter included industrials (17.2%), materials (15.8%), financials (12.7%), healthcare (12.6%), consumer staples (12.6%), and utilities (8.7%). The real estate (3.7%), information technology (3.7%), communication services (-1.9%), and consumer discretionary (-8.3%) sectors all trailed the Russell 1000 Index return for the period.
- For the full year, seven economic sectors exceeded the return of the broad large cap benchmark but only the energy (64.5%) and utilities (1.3%) sectors managed to post positive, albeit vastly different, results. The weakest economic sector performance in the Russell 1000 for the year was communication services which declined by a staggering -40.2%.

- Ten small cap economic sectors posted positive returns during the quarter and seven exceeded the 6.2% return of the broader Russell 2000 Index. The energy (17.3%), materials (12.8%), and industrials (10.5%) sectors each posted double-digit positive results for the quarter. The only small cap economic sector that posted negative performance for the quarter was health care which fell by -3.8%.
- For the trailing 1-year period, six of the eleven economic sectors were down less than the broad small cap benchmark's return of -20.4%. Energy was the best performing and only positive economic sector for the year with a strong return of 53.1%. The utilities (-1.3%) and consumer staples (-9.1%) sectors were only small cap index segments to fall less than double-digit amounts for the year. The worst performing sector for the full year was communication services with a return of -39.6%. In addition, the information technology (-32.5%), consumer discretionary (-30.2%), health care (28.6%), and real estate (-27.9%) sectors all were down significantly for the year.





Source: Morningstar Direct

The Market Environment Top 10 Index Weights & Quarterly Performance for the Russell 1000 & 2000

As of December 31, 2022

	Top 10 W	eighted Stoc	ks	
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector
Apple Inc	5.5%	-5.8%	-26.4%	Information Technology
Microsoft Corp	5.1%	3.3%	-28.0%	Information Technology
Amazon.com Inc	2.1%	-25.7%	-49.6%	Consumer Discretionary
Berkshire Hathaway Inc Class B	1.6%	15.7%	3.3%	Financials
Alphabet Inc Class A	1.5%	-7.8%	-39.1%	Communication Services
UnitedHealth Group Inc	1.4%	5.3%	7.0%	Health Care
Alphabet Inc Class C	1.3%	-7.7%	-38.7%	Communication Services
Johnson & Johnson	1.3%	8.8%	6.0%	Health Care
Exxon Mobil Corp	1.3%	27.4%	87.4%	Energy
JPMorgan Chase & Co	1.1%	29.5%	-12.6%	Financials

Top 10 Weighted Stocks						
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector		
Halozyme Therapeutics Inc	0.3%	43.9%	41.5%	Health Care		
ShockWave Medical Inc	0.3%	-26.1%	15.3%	Health Care		
Inspire Medical Systems Inc	0.3%	42.0%	9.5%	Health Care		
EMCOR Group Inc	0.3%	28.4%	16.8%	Industrials		
Crocs Inc	0.3%	57.9%	-15.4%	Consumer Discretionary		
Matador Resources Co	0.3%	17.2%	55.9%	Energy		
Iridium Communications Inc	0.3%	15.8%	24.5%	Communication Services		
Murphy Oil Corp	0.3%	22.9%	68.3%	Energy		
Agree Realty Corp	0.3%	6.0%	3.5%	Real Estate		
Texas Roadhouse Inc	adhouse Inc 0.3% 4.7% 4.1% Consumer Discretionary		Consumer Discretionary			

Тор	10 Performir	ng Stocks (b	y Quarter)	
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector
Horizon Therapeutics PLC	0.1%	83.9%	5.6%	Health Care
Burlington Stores Inc	0.0%	81.2%	-30.4%	Consumer Discretionary
Halliburton Co	0.1%	60.4%	74.5%	Energy
Universal Health Services Inc Class B	0.0%	60.0%	9.4%	Health Care
PVH Corp	0.0%	57.7%	-33.7%	Consumer Discretionary
Spectrum Brands Holdings Inc	0.0%	57.4%	-38.6%	Consumer Staples
Boeing Co	0.3%	57.3%	-5.4%	Industrials
Under Armour Inc A	0.0%	52.8%	-52.1%	Consumer Discretionary
Exact Sciences Corp	0.0%	52.4%	-36.4%	Health Care
Moderna Inc	0.2%	51.9%	-29.3%	Health Care

Тор	10 Performir	ng Stocks (by	y Quarter)	
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector
Madrigal Pharmaceuticals Inc	0.2%	346.6%	242.5%	Health Care
Immunovant Inc	0.0%	218.1%	108.3%	Health Care
Rayonier Advanced Materials Inc	0.0%	204.8%	68.1%	Materials
Maxar Technologies Inc	0.2%	176.5%	75.5%	Industrials
4D Molecular Therapeutics Inc	0.0%	176.2%	1.2%	Health Care
Icosavax Inc	0.0%	151.3%	-65.3%	Health Care
Imago BioSciences Inc	0.0%	138.9%	51.6%	Health Care
Provention Bio Inc	0.0%	134.9%	88.1%	Health Care
Biohaven Ltd	0.0%	120.3%	N/A	Health Care
Oceaneering International Inc	0.1%	119.7%	54.6%	Energy

Bottor	n 10 Perform	ing Stocks (by Quarter)		Bottom 10 Performing Stocks (by Quarter)				
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector	Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector
Carvana Co Class A	0.0%	-76.7%	-98.0%	Consumer Discretionary	Tricida Inc	0.0%	-98.5%	-98.4%	Health Care
Opendoor Technologies Inc Class A	0.0%	-62.7%	-92.1%	Real Estate	Relmada Therapeutics Inc	0.0%	-90.6%	-84.5%	Health Care
Tesla Inc	0.9%	-53.6%	-65.0%	Consumer Discretionary	Avaya Holdings Corp	0.0%	-87.7%	-99.0%	Information Technology
Lucid Group Inc Shs	0.0%	-51.1%	-82.1%	Consumer Discretionary	Instil Bio Inc	0.0%	-87.0%	-96.3%	Health Care
Guardant Health Inc	0.0%	-49.5%	-72.8%	Health Care	Greenidge Generation Holdings Inc.	0.0%	-85.5%	-98.2%	Information Technology
Affirm Holdings Inc - Class A	0.0%	-48.5%	-90.4%	Information Technology	Eiger BioPharmaceuticals Inc	0.0%	-84.3%	-77.3%	Health Care
WeWork Inc	0.0%	-46.0%	-83.4%	Real Estate	Cano Health Inc - Class A	0.0%	-84.2%	-84.6%	Health Care
AppLovin Corp - Class A	0.0%	-46.0%	-88.8%	Information Technology	Gossamer Bio Inc	0.0%	-81.9%	-80.8%	Health Care
Ginkgo Bioworks Holdings Inc	0.0%	-45.8%	-79.7%	Materials	Rockley Photonics Holdings Ltd	0.0%	-80.3%	-96.8%	Information Technology
Olaplex Holdings Inc	0.0%	-45.5%	-82.1%	Consumer Staples	Boxed Inc	0.0%	-78.9%	-98.6%	Consumer Discretionary

Source: Morningstar Direct



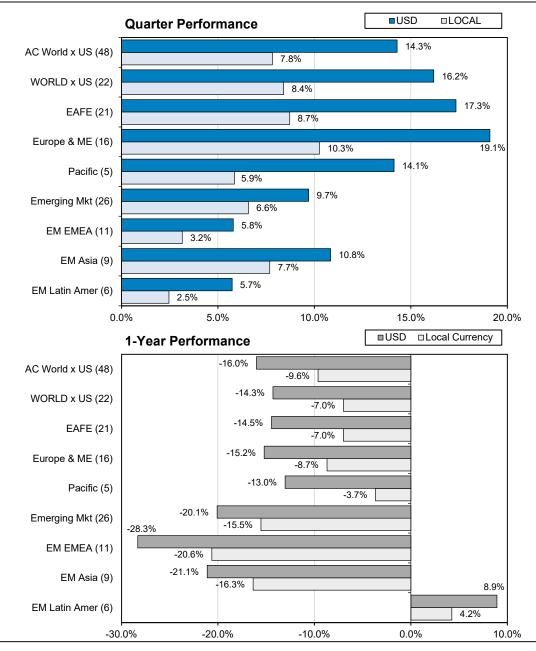
The Market Environment

International and Regional Market Index Performance (Country Count)

As of December 31, 2022

Each of the developed and emerging market international equity indexes tracked in the chart posted positive returns in both US dollar (USD) and local currency (LC) terms for the 4th quarter. A weaker USD acted as a tailwind for non-US index performance during the quarter. Higher energy prices and the reopening of China also drove performance, especially in emerging markets. The developed market MSCI EAFE Index returned a strong 17.3% in USD and 8.7% in LC terms for the period, and the MSCI Emerging Markets Index rose by 9.7% in USD and 6.6% in LC terms.

The trailing 1-year results for international developed and emerging markets were negative across most regions and currencies. The MSCI EAFE Index returned -14.5% in USD for the year and -7.0% in LC terms. Similarly, returns across emerging markets were broadly lower except for Latin America which returned 8.9% in USD and 4.2% in LC terms. The MSCI Emerging Markets Index declined by -20.1% in USD and -15.5% in LC terms for the year. Performance in the EMEA regional benchmark significantly detracted from emerging market index performance with the EMEA Index posting returns of -28.3% in USD and -20.6% in LC terms.





The Market Environment

US Dollar International Index Attribution & Country Detail As of December 31, 2022

MSCI - EAFE	Sector Weight	Quarter Return	1-Year Return
Communication Services	7.8%	10.1%	-16.8%
Consumer Discretionary	5.0%	17.8%	-22.4%
Consumer Staples	18.7%	10.6%	-13.0%
Energy	4.5%	19.8%	27.7%
Financials	15.1%	23.9%	-4.6%
Health Care	13.6%	14.2%	-11.0%
Industrials	10.5%	19.0%	-20.6%
Information Technology	7.8%	14.9%	-32.4%
Materials	11.1%	20.7%	-10.3%
Real Estate	3.5%	11.0%	-20.9%
Utilities	2.6%	19.4%	-12.4%
Total	100.0%	17.3%	-14.5%

MSCI - ACWIXUS	Sector Weight	Quarter Return	1-Year Return
Communication Services	8.4%	12.0%	-21.6%
Consumer Discretionary	6.0%	14.7%	-21.7%
Consumer Staples	21.0%	9.8%	-11.9%
Energy	5.9%	13.3%	8.1%
Financials	12.3%	15.6%	-7.3%
Health Care	9.8%	14.1%	-12.9%
Industrials	8.9%	17.3%	-18.4%
Information Technology	10.8%	13.5%	-34.5%
Materials	11.4%	16.6%	-11.2%
Real Estate	3.4%	10.4%	-20.6%
Utilities	2.3%	13.0%	-11.1%
	100.0%	14.3%	-16.0%

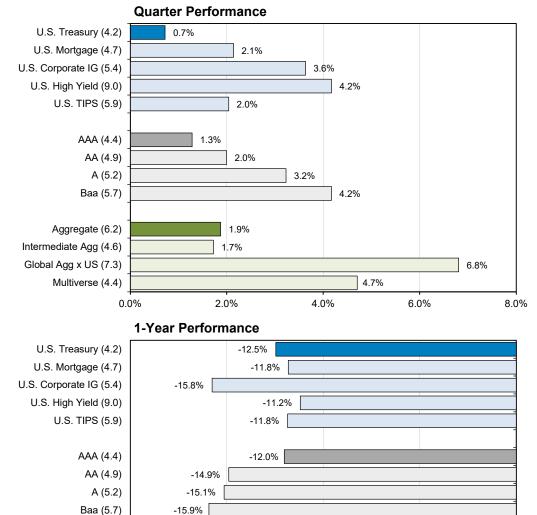
MSCI - Emerging Mkt	Sector Weight	Quarter Return	1-Year Return
Communication Services	8.9%	58.8%	1.8%
Consumer Discretionary	4.9%	46.2%	5.6%
Consumer Staples	22.1%	77.4%	48.9%
Energy	9.9%	92.9%	40.2%
Financials	6.1%	44.6%	24.5%
Health Care	4.1%	53.5%	3.8%
Industrials	6.4%	49.7%	18.8%
Information Technology	18.6%	9.8%	-34.7%
Materials	14.1%	45.6%	10.6%
Real Estate	3.0%	13.8%	-15.4%
Utilities	1.9%	38.8%	26.8%
Total	100.0%	9.7%	-20.1%

		MSCI-ACWIxUS	Querter	4 Maan
Country	MSCI-EAFE Weight	Weight	Quarter Return	1- Year Return
Japan	21.9%	14.0%	13.2%	-16.6%
United Kingdom	15.3%	9.8%	17.0%	-4.8%
France	11.8%	7.6%	22.2%	-13.3%
Switzerland	10.1%	6.5%	10.4%	-18.3%
Australia	7.9%	5.1%	15.7%	-5.3%
Germany	8.2%	5.2%	24.6%	-22.3%
Netherlands	4.3%	2.7%	21.0%	-27.7%
Sweden	3.3%	2.1%	18.1%	-28.4%
Hong Kong	3.0%	1.9%	18.2%	-4.7%
Denmark	3.0%	1.9%	31.6%	-4.8%
Spain	2.4%	1.5%	22.9%	-7.3%
Italy	2.3%	1.5%	26.4%	-14.4%
Singapore	1.5%	1.0%	10.5%	-11.0%
Belgium	1.0%	0.7%	22.6%	-12.5%
Finland	1.0%	0.7%	16.3%	-15.3%
Norway	0.8%	0.5%	16.9%	-7.0%
Israel	0.7%	0.5%	0.4%	-26.7%
Ireland	0.7%	0.4%	21.5%	-26.2%
Portugal	0.2%	0.1%	17.2%	0.2%
Austria	0.2%	0.1%	31.1%	-26.4%
New Zealand	0.2%	0.1%	24.5%	-13.6%
Total EAFE Countries	100.0%	63.9%	17.3%	-14.5%
Canada	100.076	7.7%	7.4%	-12.9%
Total Developed Countries		71.6%	16.2%	-14.3%
China		9.2%	13.5%	-21.9%
Taiwan		3.9%	9.6%	-29.8%
India		4.1%	2.0%	-8.0%
Korea		3.2%	18.1%	-29.4%
Brazil		1.5%	2.4%	14.2%
Saudi Arabia		1.2%	-7.4%	-5.1%
South Africa		1.0%	18.3%	-3.9%
Mexico		0.6%	12.5%	-2.0%
Thailand		0.6%	16.1%	5.0%
Indonesia		0.5%	-3.6%	3.6%
Malaysia		0.4%	14.0%	-5.8%
United Arab Emirates		0.4%	-1.5%	-6.2%
Qatar		0.3%	-15.3%	-6.9%
Kuwait		0.3%	5.7%	10.1%
Philippines		0.2%	21.1%	-13.9%
Poland		0.2%	47.7%	-27.2%
Chile		0.2%	6.2%	19.4%
Turkey		0.2%	62.9%	90.4%
Peru		0.1%	17.4%	9.4%
Greece		0.1%	29.1%	0.3%
Colombia		0.0%	19.7%	-6.0%
Czech Republic		0.0%	6.5%	-14.4%
Hungary		0.1%	36.3%	-31.1%
Egypt		0.0%	28.5%	-22.6%
Total Emerging Countries		28.4%	9.7%	-20.1%
Total ACWIXUS Countries		100.0%	14.3%	-16.0%

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



- After an extremely challenging year in fixed income markets, the 4th quarter's positive bond benchmark results were a welcome relief. Despite two rate increases during the quarter, bond performance was aided by lower investor concerns about rising inflation as US CPI declined. This was reflected in both intermediate and long-term interest rates which remained relatively stable during the quarter.
- The return for the BB US Aggregate Bond Index, the bellwether US investment grade benchmark, rose by 1.9% for the period.
- Performance across the investment grade index's segments was also positive during the period with the US Corporate Investment Grade Index returning 3.6% and the US Mortgage Index component posting a return of 2.1%.
- High yield bonds outperformed their investment grade counterparts, surging 4.2% during the quarter. US TIPS, which have delivered strong performance in recent periods, rose by 2.0% as investors' expectations of future inflation declined.
- Outside of domestic markets, the Bloomberg Global Aggregate ex US Index posted a strong return of 6.8% for the quarter. Like domestic bonds, global bond index performance was positively impacted declining inflation, but the benchmark also received a boost from the decline in the USD for the quarter.
- Over the trailing 1-year period, the bellwether BB US Aggregate Bond Index declined by -13.0% and each of the benchmark's components fell by more than -10%. US TIPS, which are excluded from the bellwether index, dropped by -11.8% for the year.
- Lower quality high yield corporate bonds were down less than their investment grade counterparts on a relative basis with the Bloomberg US High Yield Index posting still discouraging return of -11.2% for the period.
- Performance for non-US bonds was also strongly negative for the year with the developed market Bloomberg Global Aggregate ex US Index falling by -18.7%. The combination of rising interest rates overseas, elevated inflation, geopolitical risks, and USD strength earlier in the year hindered non-US index performance.



-13.0%

-15.0%

-9.5%

-10.0%

-5.0%

Aggregate (6.2)

-18.7%

-20.0%

-16.0%

Intermediate Agg (4.6)

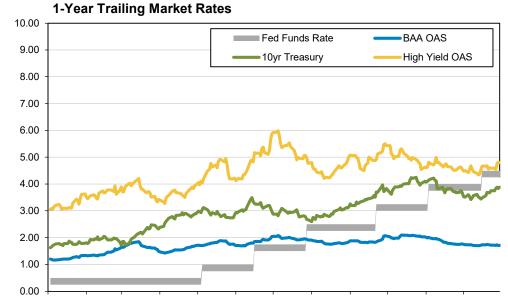
Global Agg x US (7.3) Multiverse (4.4)

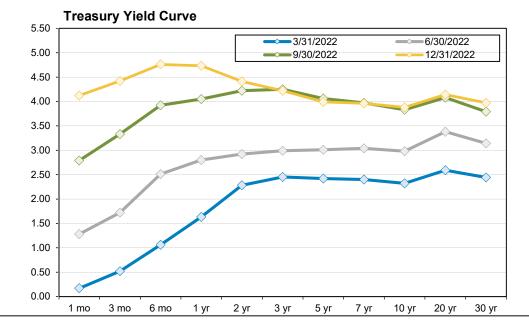


0.0%

Source: Bloomberg

- The gray band across the graph illustrates the range of the current Fed Funds Rate. In the 4th quarter this year, the Fed raised the lower end of its target rate range from 3.00% to 4.25% through a 0.75% increase in November and a 0.50% increase in December. During its December meeting, the Federal Open Market Committee (FOMC) stated it intends to monitor economic growth closely and will continue to raise interest rates to fight inflation if needed. The FOMC also stated that it would continue its policy of removing liquidity from the market by allowing bonds held on its balance sheet to mature without reinvesting those proceeds.
- The yield on the US 10-year Treasury (green line) ended the period slightly higher as concerns over the pace of inflation, combined with the Fed's announced rate increase, drove yields. The closing yield on the 10-Year Treasury was 3.88% at year-end, an increase of 0.08% from its 3rd quarter closing yield. The benchmark's rate peaked in October, reaching a high of roughly 4.25% before declining to end the quarter.
- The blue line illustrates changes in the BAA OAS (Option Adjusted Spread). This measure quantifies the additional yield premium that investors require to purchase and hold non-US Treasury investment grade issues. For the full year, the spread widened slightly from 1.17% to 1.72%. High Yield OAS spreads rose from roughly 3.05% at the beginning of the year to 4.81% at year-end. During 2022, high yield spreads reached a level of 5.80% in early July before trading lower the remainder of the year.
- The lower graph provides a snapshot of the US Treasury yield curve at the end of each of the last four quarters. Short-term rates continued to rise during the 4th quarter as the FOMC increased interest rates twice to combat elevated inflation. Despite these short-term rate increases, both intermediate and longer-term rates remained largely unchanged during the quarter. The yield curve remained inverted between 2-year and 10-year rates. Said differently, the short-term rate was higher than the long-term rate. Historically, a persistent inversion of these two key rates has been an indication of a future recession withing 6- to 24-months.





Jan-22 Feb-22 Mar-22 Apr-22 May-22 Jun-22 Jul-22 Aug-22 Sep-22 Oct-22 Nov-22 Dec-22

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



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Total Fund Compliance:	Yes	No	N/A
The total plan return equaled or exceeded the total plan benchmark over the trailing three year period.		•	
The total plan return equaled or exceeded the total plan benchmark over the trailing five year period.		•	
The total plan return of the fund over the trailing three year period equaled or exceeded 6.15% (actuarial assumption rate of return).		•	
The three year total plan return ranks in the top 40% of its peer group.	•		
The five year total plan return ranks in the top 40% of its peer group.	•		
Total Equity Compliance:	Yes	No	N/A
The equity return equaled or exceeded the benchmark over the trailing three year period.		•	
The equity return equaled or exceeded the benchmark over the trailing five year period.		•	
Rhumbline S&P 500	Yes	No	N/A
The return equaled or exceeded the benchmark over the trailing three year period.	100	110	•
The return equaled or exceeded the benchmark over the trailing five year period.			•
The three year return ranks in the top 40% of its peer group.		•	
The five year return ranks in the top 40% of its peer group.	•		
Rhumbline S&P 400	Yes	No	N/A
The return equaled or exceeded the benchmark over the trailing three year period.			•
The return equaled or exceeded the benchmark over the trailing five year period.			•
The three year return ranks in the top 40% of its peer group.	•		
The five year return ranks in the top 40% of its peer group.		•	
Rhumbline S&P 600	Yes	No	N/A
The return equaled or exceeded the benchmark over the trailing three year period.			•
The return equaled or exceeded the benchmark over the trailing five year period.			•
The three year return ranks in the top 40% of its peer group.		•	
The five year return ranks in the top 40% of its peer group.		•	

Highland LCG	Yes	No	N/A
The return equaled or exceeded the benchmark over the trailing three year period.		•	
The return equaled or exceeded the benchmark over the trailing five year period.		•	
The three year return ranks in the top 40% of its peer group.		•	
The five year return ranks in the top 40% of its peer group.		•	



Aristotle Value Equity	Yes	No	N/A
The return equaled or exceeded the benchmark over the trailing three year period.			•
The return equaled or exceeded the benchmark over the trailing five year period.			•
The three year return ranks in the top 40% of its peer group.			•
The five year return ranks in the top 40% of its peer group.			•

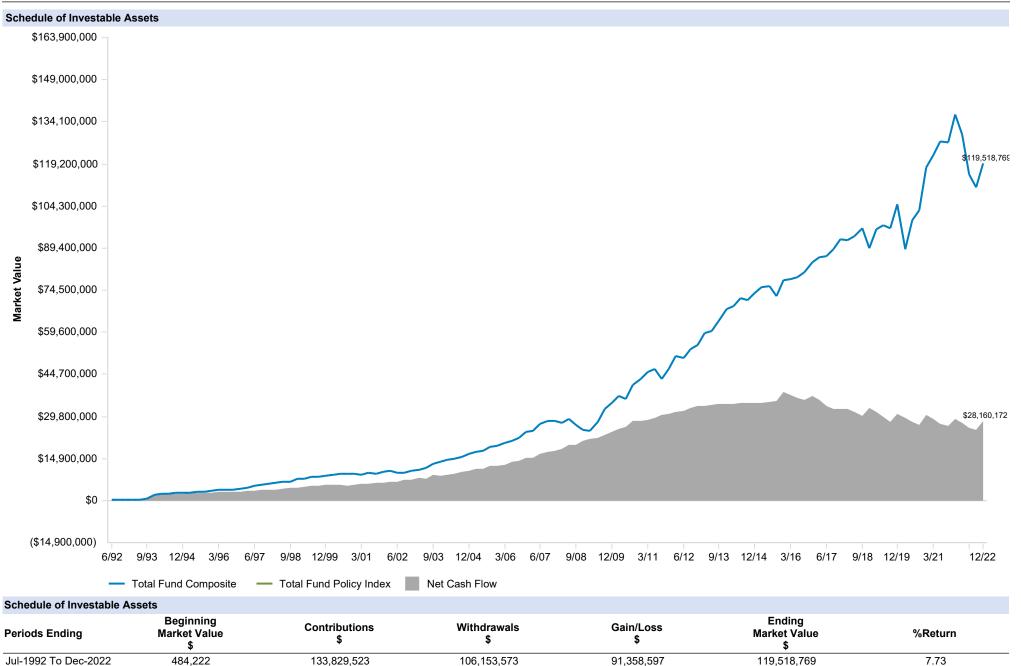
Rhumbline Russell 1000 Value	Yes	No	N/A
The return equaled or exceeded the benchmark over the trailing three year period.			•
The return equaled or exceeded the benchmark over the trailing five year period.			•
The three year return ranks in the top 40% of its peer group.			•
The five year return ranks in the top 40% of its peer group.			•

Rhumbline International Equity	Yes	No	N/A
The return equaled or exceeded the benchmark over the trailing three year period.			•
The return equaled or exceeded the benchmark over the trailing five year period. (Inception)			•
The three year return ranks in the top 40% of its peer group.		•	
The five year return ranks in the top 40% of its peer group. (Inception)		•	

Highland Short Term Fixed Income	Yes	No	N/A
The return equaled or exceeded the benchmark over the trailing three year period.		•	
The return equaled or exceeded the benchmark over the trailing five year period.			•
The three year return ranks in the top 40% of its peer group.		•	
The five year return ranks in the top 40% of its peer group.			•

Highland Fixed Income	Yes	No	N/A
The return equaled or exceeded the benchmark over the trailing three year period.	•		
The return equaled or exceeded the benchmark over the trailing five year period.	•		
The three year return ranks in the top 40% of its peer group.	•		
The five year return ranks in the top 40% of its peer group.		•	

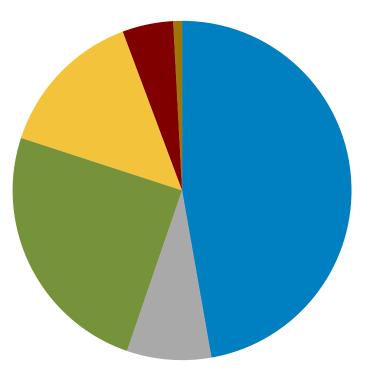


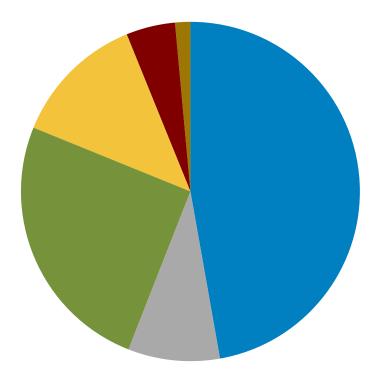




Asset Allocation Summary Total Fund Composite As of December 31, 2022

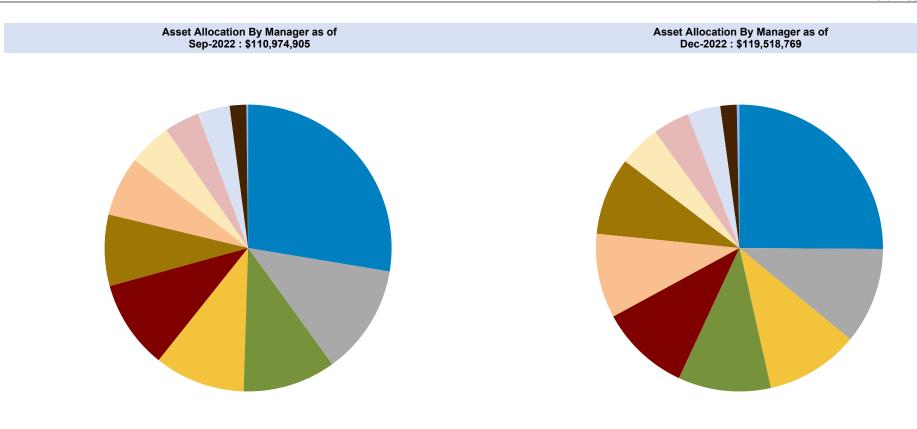
Asset Allocation By Segment as of September 30, 2022 : \$110,974,905 Asset Allocation By Segment as of December 31, 2022 : \$119,518,769





llocation			Allocation		
Segments	Market Value Allocation		Segments	Market Value	Allocation
Domestic Equity	52,413,296	47.2	Domestic Equity	56,425,963	47.2
International Equity	8,926,545	8.0	International Equity	10,463,372	8.8
Domestic Fixed Income	27,451,687	24.7	Domestic Fixed Income	30,085,636	25.2
Real Estate	15,856,262	14.3	Real Estate	15,207,024	12.7
Real Return	5,388,176	4.9	Real Return	5,592,252	4.7
Cash Equivalent	938,939	0.8	Cash Equivalent	1,744,522	1.5

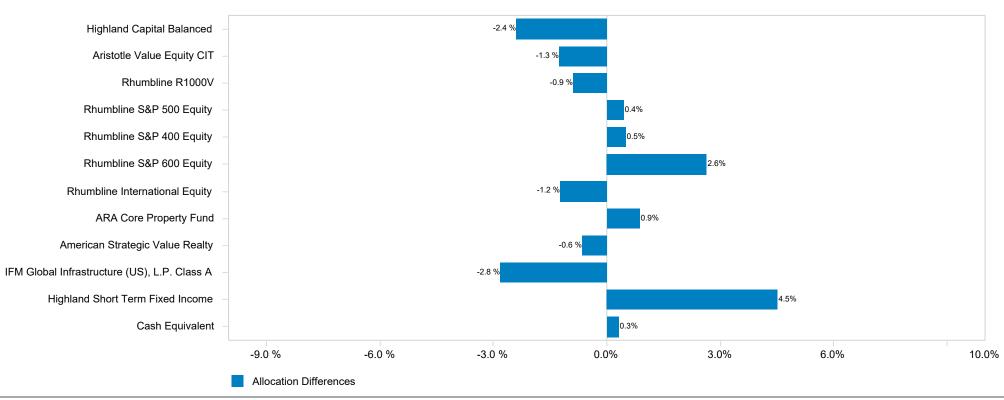




location			Allocation		
	Market Value	Allocation		Market Value	Allocation
Highland Capital Balanced	30,651,867	27.6	Highland Capital Balanced	30,006,807	25.1
ARA Core Property Fund	13,776,165	12.4	ARA Core Property Fund	12,993,576	10.9
Rhumbline S&P 500 Equity	11,609,739	10.5	Rhumbline S&P 400 Equity	12,553,695	10.5
Rhumbline S&P 400 Equity	11,333,897	10.2	Rhumbline S&P 500 Equity	12,486,758	10.4
Rhumbline S&P 600 Equity	11,109,989	10.0	Rhumbline S&P 600 Equity	12,127,191	10.1
Rhumbline International Equity	8,926,545	8.0	Highland Short Term Fixed Income	11,367,902	9.5
Highland Short Term Fixed Income	7,492,134	6.8	Rhumbline International Equity	10,463,372	8.8
IFM Global Infrastructure (US), L.P. Class A	5,388,176	4.9	IFM Global Infrastructure (US), L.P. Class A	5,592,252	4.7
Rhumbline R1000V	4,362,059	3.9	Rhumbline R1000V	4,903,528	4.1
Aristotle Value Equity CIT	4,026,426	3.6	Aristotle Value Equity CIT	4,445,990	3.7
American Strategic Value Realty	2,080,097	1.9	American Strategic Value Realty	2,213,448	1.9
Cash Equivalent	217,812	0.2	Cash Equivalent	364,251	0.3

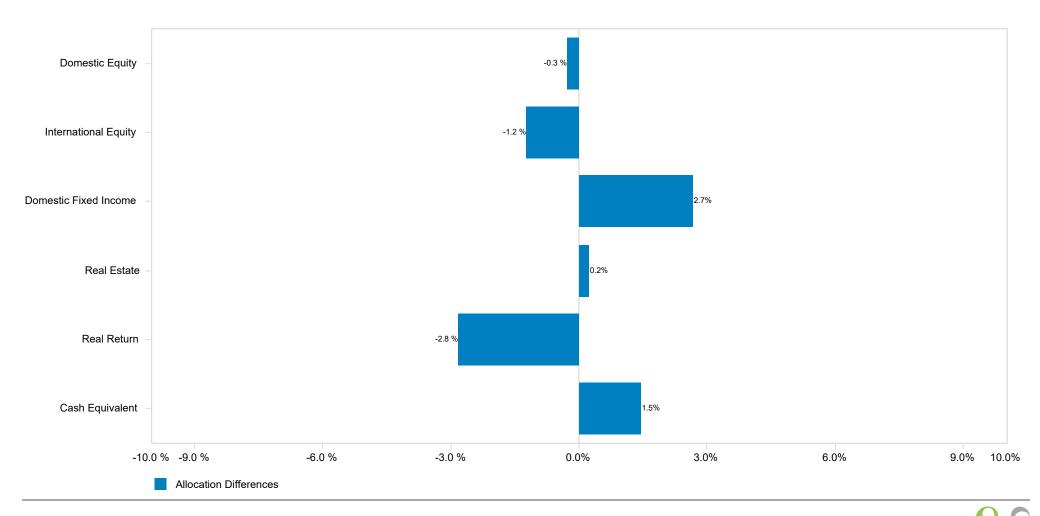


Asset Allocation Compliance					
	Asset Allocation \$	Current Allocation (%)	Target Allocation (%)	Differences (%)	Target Rebal. (\$000)
Fotal Fund Composite	119,518,769	100.0	100.0	0.0	-
lighland Capital Balanced	30,006,807	25.1	27.5	-2.4	2,860,855
ristotle Value Equity CIT	4,445,990	3.7	5.0	-1.3	1,529,949
humbline R1000V	4,903,528	4.1	5.0	-0.9	1,072,410
humbline S&P 500 Equity	12,486,758	10.4	10.0	0.4	-534,881
humbline S&P 400 Equity	12,553,695	10.5	10.0	0.5	-601,818
humbline S&P 600 Equity	12,127,191	10.1	7.5	2.6	-3,163,283
humbline International Equity	10,463,372	8.8	10.0	-1.2	1,488,505
RA Core Property Fund	12,993,576	10.9	10.0	0.9	-1,041,699
merican Strategic Value Realty	2,213,448	1.9	2.5	-0.6	774,521
M Global Infrastructure (US), L.P. Class A	5,592,252	4.7	7.5	-2.8	3,371,656
ghland Short Term Fixed Income	11,367,902	9.5	5.0	4.5	-5,391,963
Cash Equivalent	364,251	0.3	0.0	0.3	-364,251





Asset Allocation Compliance)				
	Asset Allocation \$	Current Allocation (%)	Target Allocation (%)	Differences (%)	Target Rebal. (\$000)
Domestic Equity	56,425,963	47.2	47.5	-0.3	345,452
International Equity	10,463,372	8.8	10.0	-1.2	1,488,505
Domestic Fixed Income	30,085,636	25.2	22.5	2.7	-3,193,913
Real Estate	15,207,024	12.7	12.5	0.2	-267,178
Real Return	5,592,252	4.7	7.5	-2.8	3,371,656
Cash Equivalent	1,744,522	1.5	0.0	1.5	-1,744,522
Total Fund	119,518,769	100.0	100.0	0.0	-





Financial Reconciliation Quarter to Date								
	Market Value 10/01/2022	Net Transfers	Contributions	Distributions	Management Fees	Other Expenses	Return On Investment	Market Value 12/31/2022
Total Fund Composite	110,974,905	-	4,165,667	-950,000	-18,140	-6,750	5,353,087	119,518,769
Total Equity								
Rhumbline R1000V	4,362,059	-	494	-	-494	-	541,469	4,903,528
Rhumbline S&P 500 Equity	11,609,739	-	1,595	-	-1,595	-	877,020	12,486,758
Rhumbline S&P 400 Equity	11,333,897	-	1,599	-	-1,599	-	1,219,798	12,553,695
Rhumbline S&P 600 Equity	11,109,989	-	1,567	-	-1,567	-	1,017,202	12,127,191
Aristotle Value Equity CIT	4,026,426	-	-	-	-	-	419,564	4,445,990
Rhumbline International Equity	8,926,545	-	1,263	-	-1,263	-	1,536,827	10,463,372
Total Balanced								
Highland Capital Balanced	30,651,867	-4,159,149	4,159,149	-950,000	-	-6,248	311,187	30,006,807
Total Fixed Income								
Highland Short Term Fixed Income	7,492,134	3,798,149	-	-	-	-502	78,121	11,367,902
Total Real Estate								
ARA Core Property Fund	13,776,165	-	-	-	-35,831	-	-746,759	12,993,576
American Strategic Value Realty	2,080,097	215,000	-	-	24,209	-	-105,858	2,213,448
Total Infrastructure								
IFM Global Infrastructure (US), L.P. Class A	5,388,176	-	-	-	-	-	204,076	5,592,252
Total Cash								
Cash Equivalent	217,812	146,000	-	-	-	-	439	364,251



Financial Reconciliation Fiscal Year to Date								
	Market Value 10/01/2022	Net Transfers	Contributions	Distributions	Management Fees	Other Expenses	Return On Investment	Market Value 12/31/2022
Total Fund Composite	110,974,905	-	4,165,667	-950,000	-18,140	-6,750	5,353,087	119,518,769
Tatal Faults								
Total Equity	(101					4 0 0 0 5 0 0
Rhumbline R1000V	4,362,059	-	494	-	-494	-	541,469	4,903,528
Rhumbline S&P 500 Equity	11,609,739	-	1,595	-	-1,595	-	877,020	12,486,758
Rhumbline S&P 400 Equity	11,333,897	-	1,599	-	-1,599	-	1,219,798	12,553,695
Rhumbline S&P 600 Equity	11,109,989	-	1,567	-	-1,567	-	1,017,202	12,127,191
Aristotle Value Equity CIT	4,026,426	-	-	-	-	-	419,564	4,445,990
Rhumbline International Equity	8,926,545	-	1,263	-	-1,263	-	1,536,827	10,463,372
Total Balanced								
Highland Capital Balanced	30,651,867	-4,159,149	4,159,149	-950,000	-	-6,248	311,187	30,006,807
Total Fixed Income								
Highland Short Term Fixed Income	7,492,134	3,798,149	-	-	-	-502	78,121	11,367,902
Total Real Estate								
ARA Core Property Fund	13,776,165	-	-	-	-35,831	-	-746,759	12,993,576
American Strategic Value Realty	2,080,097	215,000	-	-	24,209	-	-105,858	2,213,448
Total Infrastructure								
IFM Global Infrastructure (US), L.P. Class A	5,388,176	-	-	-	-	-	204,076	5,592,252
Total Cash								
Cash Equivalent	217,812	146,000	-	-	-	-	439	364,251



Asset Allocation & Performance												
	Allocatio	n					Perforr	nance(%)				
	Market Value \$	%	QTR	FYTD	1 YR	3 YR	5 YR	7 YR	10 YR	15 YR	Inception	Inception Date
Total Fund Composite	119,518,769	100.0	4.95 (71)	4.95 (71)	-11.94 (39)	5.36 (20)	6.17 (18)	8.00 (12)	8.49 (5)	7.14 (3)	7.73 (50)	11/01/1994
Total Fund Policy Index			6.30 (32)	6.30 (32)	-11.48 (32)	5.50 (17)	6.48 (10)	8.20 (9)	8.50 (5)	6.99 (3)	8.35 (10)	
Difference			-1.35	-1.35	-0.46	-0.14	-0.31	-0.20	-0.01	0.15	-0.62	
All Public Plans-Total Fund Median			5.64	5.64	-12.82	3.97	5.16	6.97	7.19	5.83	7.73	
Total Equity Composite	66,889,336	56.0	9.46	9.46	-17.78	6.41	7.41	10.05	11.15	8.27	6.35	07/01/2000
Total Equity Policy Index			9.95	9.95	-16.89	7.10	8.03	10.58	11.40	8.29	6.35	
Difference			-0.49	-0.49	-0.89	-0.69	-0.62	-0.53	-0.25	-0.02	0.00	
Total Domestic Equity												
Rhumbline R1000V	4,903,528	4.1	12.41 (56)	12.41 (56)	N/A	N/A	N/A	N/A	N/A	N/A	-4.18 (58)	03/01/2022
Russell 1000 Value Index			12.42 (56)	12.42 (56)	-7.54 (70)	5.96 (86)	6.67 (81)	9.12 (80)	10.29 (84)	6.96 (89)	-4.22 (59)	
Difference			-0.01	-0.01	N/A	N/A	N/A	N/A	N/A	N/A	0.04	
IM U.S. Large Cap Value Equity (SA+CF) Median			12.75	12.75	-5.44	8.06	8.11	10.46	11.33	8.26	-3.49	
Rhumbline S&P 500 Equity	12,486,758	10.4	7.55 (61)	7.55 (61)	-18.09 (54)	7.65 (44)	9.40 (40)	11.45 (42)	12.52 (45)	8.83 (55)	6.52 (78)	07/01/2000
S&P 500 Index			7.56 (59)	7.56 (59)	-18.11 (56)	7.66 (44)	. ,	11.48 (39)	12.56 (42)	8.81 (58)	6.43 (85)	
Difference			-0.01	-0.01	0.02	-0.01	-0.02	-0.03	-0.04	0.02	0.09	
IM U.S. Large Cap Equity (SA+CF) Median			8.14	8.14	-17.57	7.42	9.07	11.10	12.36	8.89	7.25	
Rhumbline S&P 400 Equity	12,553,695	10.5	10.76 (41)	10.76 (41)	-13.06 (40)	7.22 (38)	6.69 (70)	9.91 (56)	10.75 (70)	8.91 (53)	9.53 (68)	01/01/2004
S&P MidCap 400 Index			10.78 (36)	10.78 (36)	-13.06 (41)	7.23 (37)	6.71 (68)	9.94 (54)	10.78 (67)	8.87 (56)	9.48 (73)	
Difference			-0.02	-0.02	0.00	-0.01	-0.02	-0.03	-0.03	0.04	0.05	
IM U.S. Mid Cap Equity (SA+CF) Median			9.73	9.73	-13.95	6.55	7.58	10.02	11.28	8.94	10.04	
Rhumbline S&P 600 Equity	12,127,191	10.1	9.16 (45)	9.16 (45)	-16.07 (48)	5.79 (56)	5.87 (60)	9.63 (54)	10.81 (55)	8.89 (56)	9.37 (61)	01/01/2004
S&P SmallCap 600 Index			9.19 (45)	9.19 (45)	-16.10 (49)	5.80 (56)	5.88 (59)	9.66 (52)	10.82 (54)	8.89 (56)	9.32 (63)	
Difference			-0.03	-0.03	0.03	-0.01	-0.01	-0.03	-0.01	0.00	0.05	
IM U.S. Small Cap Equity (SA+CF) Median			8.58	8.58	-16.45	6.22	6.56	9.76	10.92	9.06	9.72	
Aristotle Value Equity CIT	4,445,990	3.7	10.42 (85)	10.42 (85)	N/A	N/A	N/A	N/A	N/A	N/A	-10.50 (87)	02/01/2022
Russell 1000 Value Index			12.42 (56)	12.42 (56)	-7.54 (70)	5.96 (86)	6.67 (81)	9.12 (80)	10.29 (84)	6.96 (89)	-5.33 (61)	
Difference			-2.00	-2.00	N/A	N/A	N/A	N/A	N/A	N/A	-5.17	
IM U.S. Large Cap Value Equity (SA+CF) Median			12.75	12.75	-5.44	8.06	8.11	10.46	11.33	8.26	-4.03	



Total Fund Composite (Gross)

	Allocatio	n					Perform	nance(%)				
	Market Value \$	%	QTR	FYTD	1 YR	3 YR	5 YR	7 YR	10 YR	15 YR	Inception	Inception Date
Highland Capital LCG Russell 1000 Growth Index Difference IM U.S. Large Cap Growth Equity (SA+CF) Median	9,908,802	8.3	1.82 (77) 2.20 (73) -0.38 3.91	1.82 (77) 2.20 (73) -0.38 3.91	-29.69 (51) -29.14 (49) -0.55 -29.57	6.86 (41) 7.79 (30) -0.93 6.30	9.46 (62) 10.96 (30) -1.50 9.98	11.37 (59) 12.95 (21) -1.58 11.65	13.00 (62) 14.10 (25) -1.10 13.26	9.89 (47) 10.32 (30) -0.43 9.77	9.15 (71) 10.08 (29) -0.93 9.63	10/01/2007
International Equity												
Rhumbline International Equity MSCI EAFE Index Difference IM International Equity (SA+CF) Median	10,463,372	8.8	17.22 (31) 17.40 (28) -0.18 15.51	17.22 (31) 17.40 (28) -0.18 15.51	-14.14 (37) -14.01 (36) -0.13 -16.40	1.12 (56) 1.34 (52) -0.22 1.42	1.79 (54) 2.03 (49) -0.24 1.95	N/A 5.03 (64) N/A 5.51	N/A 5.16 (68) N/A 5.82	N/A 2.29 (79) N/A 3.59	4.85 (70) 5.37 (57) -0.52 5.61	08/01/2016
Total Fixed Income (Not Including Highland Cash)	30,085,636	25.2	0.62	0.62	-9.66	-2.02	0.22	1.38	1.14	2.71	4.47	04/01/1994
Total Fixed Inc Policy Index Difference			1.63 -1.01	1.63 -1.01	-11.01 1.35	-2.16 0.14	0.26 -0.04	1.15 0.23	1.05 0.09	2.64 0.07	4.50 -0.03	
Domestic Fixed Income												
Highland Capital Fixed Income (Including Cash) BImbg. U.S. Aggregate Index Difference IM U.S. Broad Market Core FI (SA+CF)	19,616,795	16.4	0.51 (100) 1.87 (42) -1.36 1.82	0.51 (100) 1.87 (42) -1.36 1.82	-11.62 (11) -13.01 (55) 1.39 -12.95	-1.79 (25) -2.71 (90) 0.92 -2.20	0.51 (44) 0.02 (92) 0.49 0.45	1.48 (39) 0.89 (91) 0.59 1.39	1.33 (71) 1.06 (95) 0.27 1.50	2.83 (83) 2.66 (92) 0.17 3.23	4.53 (94) 4.52 (94) 0.01 4.91	04/01/1994
Highland Short Term Fixed Income ICE BofAML 1-3 Year Treasury Difference IM U.S. Short Duration FI (SA+CF)	11,367,902	9.5	0.79 (93) 0.73 (94) 0.06 1.07	0.79 (93) 0.73 (94) 0.06 1.07	-3.23 (44) -3.67 (62) 0.44 -3.37	-0.50 (95) -0.41 (91) -0.09 0.16	N/A 0.77 (96) N/A 1.28	N/A 0.73 (100) N/A 1.39	N/A 0.67 (100) N/A 1.26	N/A 1.21 (100) N/A 1.97	-0.13 (98) -0.05 (95) -0.08 0.56	07/01/2019



Total Fund Composite (Gross)

	Allocatio	n					Perforr	nance(%)				
	Market Value \$	%	QTR	FYTD	1 YR	3 YR	5 YR	7 YR	10 YR	15 YR	Inception	Inception Date
Real Estate												
ARA Core Property Fund	12,993,576	10.9	-5.42 (57)	-5.42 (57)	9.33 (16)	10.59 (37)	9.35 (38)	8.84 (54)	10.11 (60)	N/A	10.13 (55)	07/01/2012
NCREIF Fund ODCE (EW)			-4.90 (40)	-4.90 (40)	8.41 (30)	10.64 (37)	9.23 (40)	9.03 (50)	10.38 (55)	6.28 (55)	10.39 (51)	
Difference			-0.52	-0.52	0.92	-0.05	0.12	-0.19	-0.27	N/A	-0.26	
IM U.S. Private Real Estate (SA+CF) Median			-5.18	-5.18	6.78	9.72	9.01	9.01	10.56	6.57	10.49	
American Strategic Value Realty	2,213,448	1.9	-4.61 (38)	-4.61 (38)	7.80 (38)	N/A	N/A	N/A	N/A	N/A	14.41 (46)	07/01/2021
NCREIF Fund ODCE (EW)			-4.90 (40)	-4.90 (40)	8.41 (30)	10.64 (37)	9.23 (40)	9.03 (50)	10.38 (55)	6.28 (55)	15.97 (36)	
Difference			0.29	0.29	-0.61	N/A	N/A	N/A	N/A	N/A	-1.56	
IM U.S. Private Real Estate (SA+CF) Median			-5.18	-5.18	6.78	9.72	9.01	9.01	10.56	6.57	14.21	
Real Return												
IFM Global Infrastructure (US), L.P. Class A	5,592,252	4.7	3.79	3.79	8.17	N/A	N/A	N/A	N/A	N/A	N/A	12/01/2021
S&P Global Infrastructure			11.04	11.04	-0.17	1.72	3.88	7.26	6.51	3.57	5.93	
Difference			-7.25	-7.25	8.34	N/A	N/A	N/A	N/A	N/A	N/A	
Highland Capital Balanced Cash	481,210	0.4	0.81	0.81	1.34	0.55	1.15	0.91	N/A	N/A	0.91	01/01/2016
Cash Equivalent	364,251	0.3										



Asset Allocation & Performance	Allocatio	'n					Porfor	mance(%)				
	Market	<u></u>					Felloi					
	Value \$	%	QTR	FYTD	1 YR	3 YR	5 YR	7 YR	10 YR	15 YR	Inception	Inception Date
Total Fund Composite	119,518,769	100.0	4.93	4.93	-12.14	5.10	5.94	7.77	8.27	6.89	7.47	11/01/1994
Total Fund Policy Index			6.30	6.30	-11.48	5.50	6.48	8.20	8.50	6.99	8.35	
Difference			-1.37	-1.37	-0.66	-0.40	-0.54	-0.43	-0.23	-0.10	-0.88	
Total Equity Composite	66,889,336	56.0	9.46	9.46	-17.78	6.41	7.41	10.05	11.15	8.27	6.35	07/01/2000
Total Equity Policy Index	,,		9.95	9.95	-16.89	7.10	8.03	10.58	11.40	8.29	6.35	
Difference			-0.49	-0.49	-0.89	-0.69	-0.62	-0.53	-0.25	-0.02	0.00	
Total Domestic Equity												
Rhumbline R1000V	4,903,528	4.1	12.40	12.40	N/A	N/A	N/A	N/A	N/A	N/A	-4.22	03/01/2022
Russell 1000 Value Index			12.42	12.42	-7.54	5.96	6.67	9.12	10.29	6.96	-4.22	
Difference			-0.02	-0.02	N/A	N/A	N/A	N/A	N/A	N/A	0.00	
Rhumbline S&P 500 Equity	12,486,758	10.4	7.54	7.54	-18.14	7.60	9.35	11.39	12.46	8.73	6.41	07/01/2000
S&P 500 Index			7.56	7.56	-18.11	7.66	9.42	11.48	12.56	8.81	6.43	
Difference			-0.02	-0.02	-0.03	-0.06	-0.07	-0.09	-0.10	-0.08	-0.02	
Rhumbline S&P 400 Equity	12,553,695	10.5	10.75	10.75	-13.10	7.16	6.63	9.85	10.70	8.87	9.50	01/01/2004
S&P MidCap 400 Index			10.78	10.78	-13.06	7.23	6.71	9.94	10.78	8.87	9.48	
Difference			-0.03	-0.03	-0.04	-0.07	-0.08	-0.09	-0.08	0.00	0.02	
Rhumbline S&P 600 Equity	12,127,191	10.1	9.14	9.14	-16.11	5.74	5.81	9.58	10.75	8.86	9.34	01/01/2004
S&P SmallCap 600 Index			9.19	9.19	-16.10	5.80	5.88	9.66	10.82	8.89	9.32	
Difference			-0.05	-0.05	-0.01	-0.06	-0.07	-0.08	-0.07	-0.03	0.02	
Aristotle Value Equity CIT	4,445,990	3.7	10.42	10.42	N/A	N/A	N/A	N/A	N/A	N/A	-10.50	02/01/2022
Russell 1000 Value Index			12.42	12.42	-7.54	5.96	6.67	9.12	10.29	6.96	-5.33	
Difference			-2.00	-2.00	N/A	N/A	N/A	N/A	N/A	N/A	-5.17	
Highland Capital LCG Equity	9,908,802	8.3	1.82	1.82	-29.69	6.86	9.46	11.37	13.00	9.89	9.15	10/01/2007
Russell 1000 Growth Index			2.20	2.20	-29.14	7.79	10.96	12.95	14.10	10.32	10.08	
Difference			-0.38	-0.38	-0.55	-0.93	-1.50	-1.58	-1.10	-0.43	-0.93	



Total Fund Composite (Net)

	Allocatio	n					Perfor	mance(%)				
	Market Value \$	%	QTR	FYTD	1 YR	3 YR	5 YR	7 YR	10 YR	15 YR	Inception	Inception Date
International Equity												
Rhumbline International Equity	10,463,372	8.8	17.20	17.20	-14.18	1.07	1.74	N/A	N/A	N/A	4.79	08/01/2010
MSCI EAFE Index			17.40	17.40	-14.01	1.34	2.03	5.03	5.16	2.29	5.37	
Difference			-0.20	-0.20	-0.17	-0.27	-0.29	N/A	N/A	N/A	-0.58	
Total Fixed Income (Not Including Highalnd Cash)	30,085,636	25.2	0.62	0.62	-9.66	-2.02	0.22	1.38	1.14	2.71	4.47	04/01/1994
Total Fixed Inc Policy Index			1.63	1.63	-11.01	-2.16	0.26	1.15	1.05	2.64	4.50	
Difference			-1.01	-1.01	1.35	0.14	-0.04	0.23	0.09	0.07	-0.03	
Domestic Fixed Income												
Highland Capital Fixed Income (Including Cash)	19,616,795	16.4	0.51	0.51	-11.62	-1.79	0.51	1.48	1.33	2.83	4.53	04/01/1994
BImbg. U.S. Aggregate Index			1.87	1.87	-13.01	-2.71	0.02	0.89	1.06	2.66	4.52	
Difference			-1.36	-1.36	1.39	0.92	0.49	0.59	0.27	0.17	0.01	
Highland Short Term Fixed Income	11,367,902	9.5	0.79	0.79	-3.41	-0.76	N/A	N/A	N/A	N/A	-0.38	07/01/2019
ICE BofAML 1-3 Year Treasury			0.73	0.73	-3.67	-0.41	0.77	0.73	0.67	1.21	-0.05	
Difference			0.06	0.06	0.26	-0.35	N/A	N/A	N/A	N/A	-0.33	
Real Estate												
ARA Core Property Fund	12,993,576	10.9	-5.68	-5.68	8.14	9.38	8.15	7.65	8.92	N/A	8.94	07/01/2012
NCREIF Fund ODCE (EW) (Net)			-5.08	-5.08	7.56	9.72	8.31	8.12	9.46	5.38	9.46	
Difference			-0.60	-0.60	0.58	-0.34	-0.16	-0.47	-0.54	N/A	-0.52	
American Strategic Value Realty	2,213,448	1.9	-3.56	-3.56	6.70	N/A	N/A	N/A	N/A	N/A	12.07	07/01/2021
NCREIF Fund ODCE (EW) (Net)			-5.08	-5.08	7.56	9.72	8.31	8.12	9.46	5.38	14.98	
Difference			1.52	1.52	-0.86	N/A	N/A	N/A	N/A	N/A	-2.91	
Real Return												
IFM Global Infrastructure (US), L.P. Class A	5,592,252	4.7	3.79	3.79	8.17	N/A	N/A	N/A	N/A	N/A	N/A	12/01/2021
S&P Global Infrastructure			11.04	11.04	-0.17	1.72	3.88	7.26	6.51	3.57	5.93	
Difference			-7.25	-7.25	8.34	N/A	N/A	N/A	N/A	N/A	N/A	



Asset Allocation & Performance												
	Allocatio	n					Perforn	nance(%)				
	Market Value \$	%	Oct-2021 To Sep-2022	Oct-2020 To Sep-2021	Oct-2019 To Sep-2020	Oct-2018 To Sep-2019	Oct-2017 To Sep-2018	Oct-2016 To Sep-2017	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015	Oct-2013 To Sep-2014	Oct-2012 To Sep-2013
Total Fund Composite	119,518,769	100.0	-11.25 (25)	23.01 (24)	7.73 (46)	2.38 (90)	11.27 (4)	13.60 (19)	10.94 (16)	1.46 (8)	10.95 (27)	14.75 (16)
Total Fund Policy Index			-11.47 (27)	22.00 (33)	8.15 (38)	3.81 (65)	10.59 (7)	12.80 (36)	11.83 (5)	0.81 (14)	10.35 (41)	14.21 (22)
Difference			0.22	1.01	-0.42	-1.43	0.68	0.80	-0.89	0.65	0.60	0.54
All Public Plans-Total Fund Median			-13.79	20.73	7.52	4.28	7.52	12.06	9.80	-0.88	9.91	12.47
Total Equity Composite	66,889,336	56.0	-18.90	34.48	9.64	-0.28	16.01	19.67	13.36	0.44	14.07	24.58
Total Equity Policy Index			-17.95	35.26	9.47	0.24	16.49	19.69	14.30	-0.18	13.86	23.27
Difference			-0.95	-0.78	0.17	-0.52	-0.48	-0.02	-0.94	0.62	0.21	1.31
Total Domestic Equity												
Rhumbline R1000V	4,903,528	4.1	N/A									
Russell 1000 Value Index			-11.36 (67)	35.01 (58)	-5.03 (66)	4.00 (39)	9.45 (75)	15.12 (76)	16.19 (25)	-4.42 (63)	18.89 (42)	22.30 (58)
Difference			N/A									
IM U.S. Large Cap Value Equity (SA+CF) Median			-9.53	36.98	-3.28	2.49	11.73	17.78	13.33	-3.39	18.38	23.54
Rhumbline S&P 500 Equity	12,486,758	10.4	-15.45 (52)	29.86 (60)	15.22 (42)	4.21 (39)	17.87 (44)	18.56 (58)	15.38 (26)	-0.63 (58)	19.64 (39)	19.30 (71)
S&P 500 Index			-15.47 (54)	30.00 (57)	15.15 (43)	4.25 (38)	. ,	. ,	15.43 (24)	-0.61 (58)	19.73 (37)	19.34 (70)
Difference			0.02	-0.14	0.07	-0.04	-0.04	-0.05	-0.05	-0.02	-0.09	-0.04
IM U.S. Large Cap Equity (SA+CF) Median			-15.35	30.80	13.78	3.41	17.33	18.87	13.38	-0.37	18.90	20.96
Rhumbline S&P 400 Equity	12,553,695	10.5	-15.25 (46)	43.59 (35)	-2.13 (60)	-2.49 (78)	14.16 (57)	17.49 (55)	15.21 (33)	1.45 (53)	11.81 (70)	27.55 (58)
S&P MidCap 400 Index			-15.25 (46)	43.68 (33)	-2.16 (63)	-2.49 (79)			15.33 (31)	1.40 (55)	11.82 (70)	27.68 (56)
Difference			0.00	-0.09	0.03	0.00	-0.05	-0.03	-0.12	0.05	-0.01	-0.13
IM U.S. Mid Cap Equity (SA+CF) Median			-16.04	38.83	2.47	2.04	14.39	17.59	12.26	1.55	13.89	27.99
Rhumbline S&P 600 Equity	12,127,191	10.1	-18.78 (48)	57.41 (32)	-8.22 (68)	-9.35 (71)	19.04 (34)	21.08 (48)	18.00 (26)	3.90 (37)	5.79 (54)	31.40 (56)
S&P SmallCap 600 Index	, ,		-18.83 (49)	()	-8.29 (69)	-9.34 (71)	19.08 (34)	. ,	18.12 (25)	3.81 (38)	()	31.51 (54)
Difference			0.05	-0.23	0.07	-0.01	-0.04	0.03	-0.12	0.09	0.05	-0.11
IM U.S. Small Cap Equity (SA+CF) Median			-18.96	50.31	-1.33	-7.03	15.25	20.93	14.71	2.40	6.23	31.95
Aristotle Value Equity CIT	4,445,990	3.7	N/A									
Russell 1000 Value Index			-11.36 (67)	35.01 (58)	-5.03 (66)	4.00 (39)	9.45 (75)	15.12 (76)	16.19 (25)	-4.42 (63)	18.89 (42)	22.30 (58)
Difference			N/A									
IM U.S. Large Cap Value Equity (SA+CF) Median			-9.53	36.98	-3.28	2.49	11.73	17.78	13.33	-3.39	18.38	23.54



Total Fund Composite (Gross)

	Allocatio	n					Perforn	nance(%)				
	Market Value \$	%	Oct-2021 To Sep-2022	Oct-2020 To Sep-2021	Oct-2019 To Sep-2020	Oct-2018 To Sep-2019	Oct-2017 To	Oct-2016 To Sep-2017	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015	Oct-2013 To Sep-2014	Oct-2012 To Sep-2013
	· · ·		•	•	•	•	•	•	•	•	•	•
Highland Capital LCG	9,908,802	8.3	-24.24 (48)	26.76 (55)	37.83 (29)	1.61 (71)	23.71 (60)	23.11 (24)	6.68 (94)	4.64 (37)	16.29 (72)	28.73 (7)
Russell 1000 Growth Index			-22.59 (40)	· · · ·	37.53 (31)	3.71 (52)	26.30 (39)	21.94 (39)	13.76 (21)	3.17 (58)	19.15 (39)	19.27 (65)
Difference			-1.65	-0.56	0.30	-2.10	-2.59	1.17	-7.08	1.47	-2.86	9.46
IM U.S. Large Cap Growth Equity (SA+CF) Median			-25.12	27.23	33.78	3.81	24.81	21.10	11.84	3.87	18.18	20.26
International Equity												
Rhumbline International Equity	10,463,372	8.8	-24.73 (39)	25.92 (56)	0.63 (69)	-1.08 (43)	2.74 (51)	19.24 (63)	N/A	N/A	N/A	N/A
MSCI EAFE Index			-24.75 (39)	26.29 (55)	0.93 (68)	-0.82 (38)	3.25 (46)	19.65 (59)	7.06 (71)	-8.27 (67)	4.70 (62)	24.29 (41)
Difference			0.02	-0.37	-0.30	-0.26	-0.51	-0.41	N/A	N/A	N/A	N/A
IM International Equity (SA+CF) Median			-25.98	27.20	5.86	-2.02	2.80	20.68	9.54	-5.60	5.75	22.73
Total Fixed Income (Not Including Highland Cash)	30,085,636	25.2	-10.38	-1.01	5.53	9.37	-1.34	1.26	6.60	1.40	3.45	-2.57
Total Fixed Inc Policy Index			-12.54	-0.69	6.26	9.91	-1.24	-0.27	6.01	1.82	3.41	-2.11
Difference			2.16	-0.32	-0.73	-0.54	-0.10	1.53	0.59	-0.42	0.04	-0.46
Domestic Fixed Income												
Highland Capital Fixed Income (Including Cash)	19,616,795	16.4	-12.22 (6)	1.00 (21)	6.34 (89)	9.86 (85)	-1.08 (73)	0.85 (39)	6.51 (17)	2.22 (88)	3.51 (95)	-2.54 (98)
BImbg. U.S. Aggregate Index			-14.60 (60)	-0.90 (84)	6.98 (77)	10.30 (69)	-1.22 (88)	0.07 (84)	5.19 (80)	2.94 (62)	3.96 (80)	-1.68 (78)
Difference			2.38	1.90	-0.64	-0.44	0.14	0.78	1.32	-0.72	-0.45	-0.86
IM U.S. Broad Market Core Fixed Income (SA+CF) Median			-14.50	-0.03	7.53	10.42	-0.74	0.63	5.66	3.02	4.44	-1.29
Highland Short Term Fixed Income	11,367,902	9.5	-4.13 (29)	0.61 (53)	1.90 (97)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ICE BofAML 1-3 Year Treasury			-4.88 (49)	0.03 (95)	3.58 (74)	4.36 (83)	0.03 (91)	0.24 (98)	0.88 (98)	1.16 (73)	0.50 (99)	0.36 (74)
Difference			0.75	0.58	-1.68	N/A	N/A	N/A	N/A	N/A	N/A	N/A
IM U.S. Short Duration Fixed Income (SA+CF) Median			-4.91	0.64	4.07	4.83	0.65	1.06	1.87	1.38	1.33	0.55
International Fixed Income												
Oppenheimer Dreyfus (OIBAX) (DIBAX)	-	0.0	N/A	N/A	N/A	N/A	N/A	3.10 (83)	9.59 (82)	-4.81 (28)	2.98 (56)	-2.82 (36)
FTSE Non-U.S. World Government Bond			-28.27 (94)	-3.41 (98)	5.60 (9)	6.78 (70)	-1.57 (14)	-3.14 (100)	12.61 (59)	-7.01 (41)	-0.99 (78)	-5.63 (77)
Difference			N/A	N/A	N/A	N/A	N/A	6.24	-3.02	2.20	3.97	2.81
IM International Fixed Income All (MF) Median			-21.67	4.57	1.48	9.01	-3.88	6.29	13.68	-8.43	4.09	-4.01



Total Fund Composite (Gross)

	Allocation	า					Perform	nance(%)				
	Market Value \$	%	Oct-2021 To Sep-2022	Oct-2020 To Sep-2021	Oct-2019 To Sep-2020	Oct-2018 To Sep-2019	Oct-2017 To Sep-2018	Oct-2016 To Sep-2017	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015	Oct-2013 To Sep-2014	Oct-2012 To Sep-2013
Real Estate												
ARA Core Property Fund	12,993,576	10.9	25.79 (20)	13.51 (74)	1.62 (50)	6.81 (49)	8.50 (63)	7.53 (56)	9.03 (88)	14.05 (64)	12.45 (72)	12.30 (70)
NCREIF Fund ODCE (EW)	,,			15.75 (52)	1.74 (44)	6.17 (69)	8.82 (58)	7.81 (52)	10.62 (68)	14.71 (61)	12.39 (73)	12.47 (68)
Difference			3.03	-2.24	-0.12	0.64	-0.32	-0.28	-1.59	-0.66	0.06	-0.17
IM U.S. Private Real Estate (SA+CF) Median			21.16	15.91	1.62	6.80	8.98	7.88	11.39	15.54	13.17	13.35
American Strategic Value Realty	2,213,448	1.9	19.91 (60)	N/A								
NCREIF Fund ODCE (EW)	, ,		22.76 (43)	15.75 (52)	1.74 (44)	6.17 (69)	8.82 (58)	7.81 (52)	10.62 (68)	14.71 (61)	12.39 (73)	12.47 (68)
Difference			-2.85	N/A								
IM U.S. Private Real Estate (SA+CF) Median			21.16	15.91	1.62	6.80	8.98	7.88	11.39	15.54	13.17	13.35
Real Return												
IFM Global Infrastructure (US), L.P. Class A	5,592,252	4.7	N/A									
S&P Global Infrastructure			-5.98	23.04	-13.89	14.63	-2.84	13.15	14.61	-8.37	16.70	12.75
Difference			N/A									
Highland Capital Balanced Cash	481,210	0.4	0.53	0.02	0.74	2.35	1.52	0.34	N/A	N/A	N/A	N/A
Cash Equivalent	364,251	0.3										



	Allocatio	n										
							Perform	ance(%)				
	Market Value \$	%	Oct-2021 To Sep-2022	Oct-2020 To Sep-2021	Oct-2019 To Sep-2020	Oct-2018 To Sep-2019	Oct-2017 To Sep-2018	Oct-2016 To Sep-2017	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015	Oct-2013 To Sep-2014	Oct-2012 To Sep-2013
Total Fund Composite	119,518,769	100.0	-11.49	22.71	7.42	2.21	11.12	13.36	10.72	1.29	10.73	14.53
Total Fund Policy Index			-11.47	22.00	8.15	3.81	10.59	12.80	11.83	0.81	10.35	14.21
Difference			-0.02	0.71	-0.73	-1.60	0.53	0.56	-1.11	0.48	0.38	0.32
Total Equity Composite	66,889,336	56.0	-18.90	34.48	9.64	-0.28	16.01	19.67	13.36	0.44	14.07	24.58
Total Equity Policy Index			-17.95	35.26	9.47	0.24	16.49	19.69	14.30	-0.18	13.86	23.27
Difference			-0.95	-0.78	0.17	-0.52	-0.48	-0.02	-0.94	0.62	0.21	1.31
Total Domestic Equity												
Rhumbline R1000V	4,903,528	4.1	N/A									
Russell 1000 Value Index			-11.36	35.01	-5.03	4.00	9.45	15.12	16.19	-4.42	18.89	22.30
Difference			N/A									
Rhumbline S&P 500 Equity	12,486,758	10.4	-15.50	29.80	15.16	4.16	17.81	18.50	15.31	-0.66	19.55	19.18
S&P 500 Index			-15.47	30.00	15.15	4.25	17.91	18.61	15.43	-0.61	19.73	19.34
Difference			-0.03	-0.20	0.01	-0.09	-0.10	-0.11	-0.12	-0.05	-0.18	-0.16
Rhumbline S&P 400 Equity	12,553,695	10.5	-15.30	43.52	-2.18	-2.54	14.10	17.43	15.13	1.40	11.78	27.55
S&P MidCap 400 Index			-15.25	43.68	-2.16	-2.49	14.21	17.52	15.33	1.40	11.82	27.68
Difference			-0.05	-0.16	-0.02	-0.05	-0.11	-0.09	-0.20	0.00	-0.04	-0.13
Rhumbline S&P 600 Equity	12,127,191	10.1	-18.82	57.33	-8.27	-9.39	18.98	21.01	17.92	3.85	5.76	31.40
S&P SmallCap 600 Index			-18.83	57.64	-8.29	-9.34	19.08	21.05	18.12	3.81	5.74	31.51
Difference			0.01	-0.31	0.02	-0.05	-0.10	-0.04	-0.20	0.04	0.02	-0.11
Aristotle Value Equity CIT	4,445,990	3.7	N/A									
Russell 1000 Value Index			-11.36	35.01	-5.03	4.00	9.45	15.12	16.19	-4.42	18.89	22.30
Difference			N/A									
Highland Capital LCG	9,908,802	8.3		26.76	37.83	1.61	23.71	23.11	6.68	4.64	16.29	28.73
Russell 1000 Growth Index			-22.59	27.32	37.53	3.71	26.30	21.94	13.76	3.17	19.15	19.27
Difference			-1.65	-0.56	0.30	-2.10	-2.59	1.17	-7.08	1.47	-2.86	9.46



Total Fund Composite (Net)

	Allocatio	n					Perform	ance(%)				
	Market Value \$	%	Oct-2021 To Sep-2022	Oct-2020 To Sep-2021	Oct-2019 To Sep-2020	Oct-2018 To Sep-2019	Oct-2017 To Sep-2018	Oct-2016 To Sep-2017	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015	Oct-2013 To Sep-2014	Oct-2012 To Sep-2013
International Equity												
Rhumbline International Equity	10,463,372	8.8	-24.77	25.85	0.58	-1.13	2.68	19.17	N/A	N/A	N/A	N/A
MSCI EAFE Index	-,,-		-24.75	26.29	0.93	-0.82	3.25	19.65	7.06	-8.27	4.70	24.29
Difference			-0.02	-0.44	-0.35	-0.31	-0.57	-0.48	N/A	N/A	N/A	N/A
Total Fixed Income (Not Including Highland Cash)	30,085,636	25.2	-10.38	-1.01	5.53	9.37	-1.34	1.26	6.60	1.40	3.45	-2.57
Total Fixed Inc Policy Index			-12.54	-0.69	6.26	9.91	-1.24	-0.27	6.01	1.82	3.41	-2.11
Difference			2.16	-0.32	-0.73	-0.54	-0.10	1.53	0.59	-0.42	0.04	-0.46
Domestic Fixed Income												
Highland Capital Fixed Income (Including Cash)	19,616,795	16.4	-12.22	1.00	6.34	9.86	-1.08	0.85	6.51	2.22	3.51	-2.54
Blmbg. U.S. Aggregate Index			-14.60	-0.90	6.98	10.30	-1.22	0.07	5.19	2.94	3.96	-1.68
Difference			2.38	1.90	-0.64	-0.44	0.14	0.78	1.32	-0.72	-0.45	-0.86
Highland Short Term Fixed Income	11,367,902	9.5	-4.37	0.34	1.53	N/A						
ICE BofAML 1-3 Year Treasury			-4.88	0.03	3.58	4.36	0.03	0.24	0.88	1.16	0.50	0.36
Difference			0.51	0.31	-2.05	N/A						
International Fixed Income												
Oppenheimer Dreyfus (OIBAX) (DIBAX)	-	0.0	N/A	N/A	N/A	N/A	N/A	3.10	9.59	-4.81	2.98	-2.82
FTSE Non-U.S. World Government Bond			-28.27	-3.41	5.60	6.78	-1.57	-3.14	12.61	-7.01	-0.99	-5.63
Difference			N/A	N/A	N/A	N/A	N/A	6.24	-3.02	2.20	3.97	2.81



	Allocatio	n					Perform	ance(%)				
	Market Value \$	%	Oct-2021 To Sep-2022	Oct-2020 To Sep-2021	Oct-2019 To Sep-2020	Oct-2018 To Sep-2019	Oct-2017 To Sep-2018	Oct-2016 To Sep-2017	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015	Oct-2013 To Sep-2014	Oct-2012 To Sep-2013
Real Estate												
ARA Core Property Fund	12,993,576	10.9	24.41	12.27	0.51	5.64	7.31	6.34	7.85	12.82	11.34	11.10
NCREIF Fund ODCE (EW) (Net)			21.68	14.83	0.89	5.26	7.89	6.93	9.69	13.82	11.44	11.46
Difference			2.73	-2.56	-0.38	0.38	-0.58	-0.59	-1.84	-1.00	-0.10	-0.36
American Strategic Value Realty	2,213,448	1.9	16.15	N/A								
NCREIF Fund ODCE (EW) (Net)			21.68	14.83	0.89	5.26	7.89	6.93	9.69	13.82	11.44	11.46
Difference			-5.53	N/A								
Real Return												
IFM Global Infrastructure (US), L.P. Class A	5,592,252	4.7	N/A									
S&P Global Infrastructure			-5.98	23.04	-13.89	14.63	-2.84	13.15	14.61	-8.37	16.70	12.75
Difference			N/A									



Historical Rolling Performance Total Fund Composite As of December 31, 2022

Historical Rolling F	Performance				
	QTR	1 YR	3 YR	5 YR	Inception
12/31/2022	4.95	-11.94	5.36	6.17	7.73
09/30/2022	-3.25	-11.25	5.56	6.03	7.63
06/30/2022	-9.60	-8.10	7.09	7.51	7.81
03/31/2022	-4.06	7.09	11.92	10.31	8.24
12/31/2021	5.77	17.16	16.85	12.11	8.46
09/30/2021	0.18	23.01	10.71	11.39	8.33
06/30/2021	5.35	28.87	12.18	12.03	8.40
03/31/2021	4.96	38.48	11.23	11.34	8.28
12/31/2020	11.05	13.37	9.35	10.68	8.17
09/30/2020	4.95	7.73	7.07	9.12	7.85
06/30/2020	13.20	3.71	6.64	6.93	7.74
03/31/2020	-14.07	-5.48	3.28	4.33	7.33
12/31/2019	5.53	20.13	10.07	8.15	7.99
09/30/2019	1.03	2.38	8.98	7.81	7.85
06/30/2019	3.17	5.62	9.71	7.31	7.89
03/31/2019	9.21	5.12	9.34	7.38	7.84
12/31/2018	-10.06	-4.00	6.84	5.84	7.56
09/30/2018	4.22	11.27	11.93	9.56	8.07
06/30/2018	2.69	10.73	8.48	9.79	7.98
03/31/2018	-0.27	10.86	7.54	9.32	7.95
12/31/2017	4.25	15.62	8.66	10.87	8.04
09/30/2017	3.71	13.60	8.54	10.24	7.94
06/30/2017	2.81	12.92	6.76	10.41	7.87
03/31/2017	4.02	12.16	7.00	9.31	7.83
12/31/2016	2.43	9.87	6.16	10.19	7.74
09/30/2016	3.09	10.94	7.69	11.24	7.72
06/30/2016	2.12	2.09	8.45	8.36	7.67
03/31/2016	1.89	0.03	7.88	8.03	7.65
12/31/2015	3.42	1.00	9.66	8.53	7.65
09/30/2015	-5.13	1.46	8.91	9.06	7.58
06/30/2015	0.06	5.55	12.48	11.97	7.91
03/31/2015	2.88	9.19	11.63	10.75	8.00
12/31/2014	3.89	7.80	13.55	11.04	7.96
09/30/2014	-1.31	10.95	14.82	10.92	7.86
06/30/2014	3.52	18.38	11.51	13.73	8.02
03/31/2014	1.57	14.94	10.45	15.10	7.94
12/31/2013	6.92	21.12	11.41	13.81	7.96
09/30/2013	5.30	14.75	11.08	9.91	7.72
06/30/2013	0.51	13.90	12.11	7.06	7.56
03/31/2013	7.03	10.83	9.90	6.97	7.62

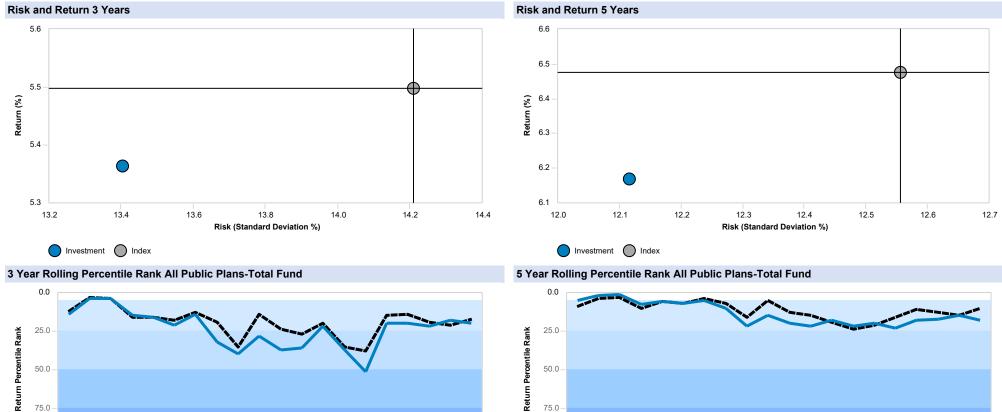


Historical Rolling Performance Total Fund Policy Index As of December 31, 2022

Historical Rolling F	Performance				
	QTR	1 YR	3 YR	5 YR	Inception
12/31/2022	6.30	-11.48	5.50	6.48	N/A
09/30/2022	-4.25	-11.47	5.32	6.04	N/A
06/30/2022	-10.09	-7.07	7.26	7.73	N/A
03/31/2022	-3.26	8.69	12.45	10.67	N/A
12/31/2021	6.31	16.98	17.20	12.29	N/A
09/30/2021	0.50	22.00	11.06	11.31	N/A
06/30/2021	5.16	27.03	12.28	11.96	N/A
03/31/2021	4.12	38.18	11.32	11.31	N/A
12/31/2020	10.87	13.39	9.74	10.88	N/A
09/30/2020	4.64	8.15	7.48	9.39	N/A
06/30/2020	14.38	4.53	7.13	7.42	N/A
03/31/2020	-14.56	-5.33	3.40	4.48	N/A
12/31/2019	5.75	21.36	10.41	8.34	N/A
09/30/2019	1.14	3.81	9.00	7.86	N/A
06/30/2019	3.59	6.59	9.82	7.33	N/A
03/31/2019	9.53	5.46	9.32	7.34	N/A
12/31/2018	-9.54	-3.95	6.79	5.78	N/A
09/30/2018	3.85	10.59	11.74	9.19	N/A
06/30/2018	2.49	10.34	8.68	9.53	N/A
03/31/2018	-0.24	10.74	7.65	9.12	N/A
12/31/2017	4.15	15.47	8.59	10.57	N/A
09/30/2017	3.62	12.80	8.34	9.90	N/A
06/30/2017	2.87	12.63	6.59	10.11	N/A
03/31/2017	4.01	11.86	6.86	9.06	N/A
12/31/2016	1.75	9.83	6.09	9.93	N/A
09/30/2016	3.45	11.83	7.55	11.19	N/A
06/30/2016	2.17	3.29	8.25	8.19	N/A
03/31/2016	2.12	0.69	7.70	7.96	N/A
12/31/2015	3.61	0.98	9.22	8.41	N/A
09/30/2015	-4.45	0.81	8.31	9.11	N/A
06/30/2015	-0.41	4.09	11.64	12.02	N/A
03/31/2015	2.41	8.34	11.06	10.71	N/A
12/31/2014	3.44	7.66	13.13	11.13	N/A
09/30/2014	-1.34	10.35	14.66	11.19	N/A
06/30/2014	3.65	17.99	11.30	14.11	N/A
03/31/2014	1.78	14.51	10.37	16.04	N/A
12/31/2013	6.02	19.85	11.27	13.96	N/A
09/30/2013	5.49	14.21	11.60	9.38	N/A
06/30/2013	0.60	13.30	12.83	6.70	N/A
03/31/2013	6.52	10.41	10.27	6.48	N/A



Historical Statistic	Historical Statistics 3 Years														
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters		Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	5.36	13.40	0.40	96.07	8	96.02	4	Investment	6.17	12.12	0.45	97.71	14	99.02	6
Index	5.50	14.21	0.39	100.00	8	100.00	4	Index	6.48	12.56	0.46	100.00	14	100.00	6



75.0

100.0

__ Index



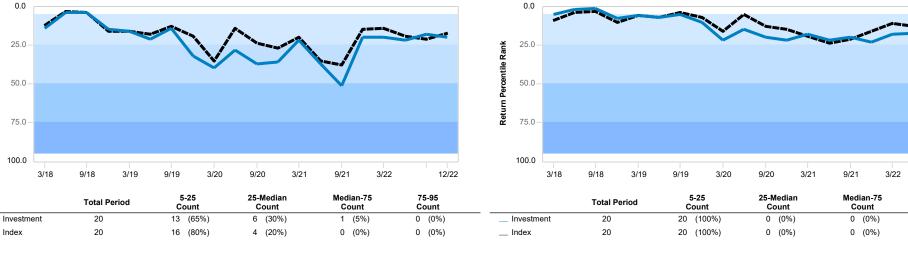
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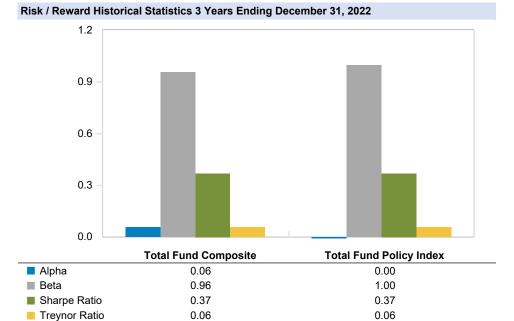


Strategy Review Total Fund Composite | Total Fund Policy Index As of December 31, 2022

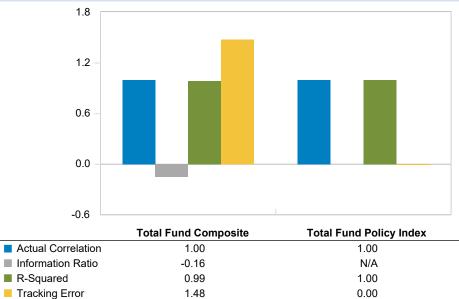




Portfolio Comparison Total Fund As of December 31, 2022



Index Relative Historical Statistics 3 Years Ending December 31, 2022



Risk / Reward Historical Statistics 5 Years Ending December 31, 2022



	Total Fund Composite	Total Fund Policy Index
Alpha	-0.12	0.00
Beta	0.97	1.00
Sharpe Ratio	0.41	0.43
Treynor Ratio	0.06	0.06

Index Relative Historical Statistics 5 Years Ending December 31, 2022

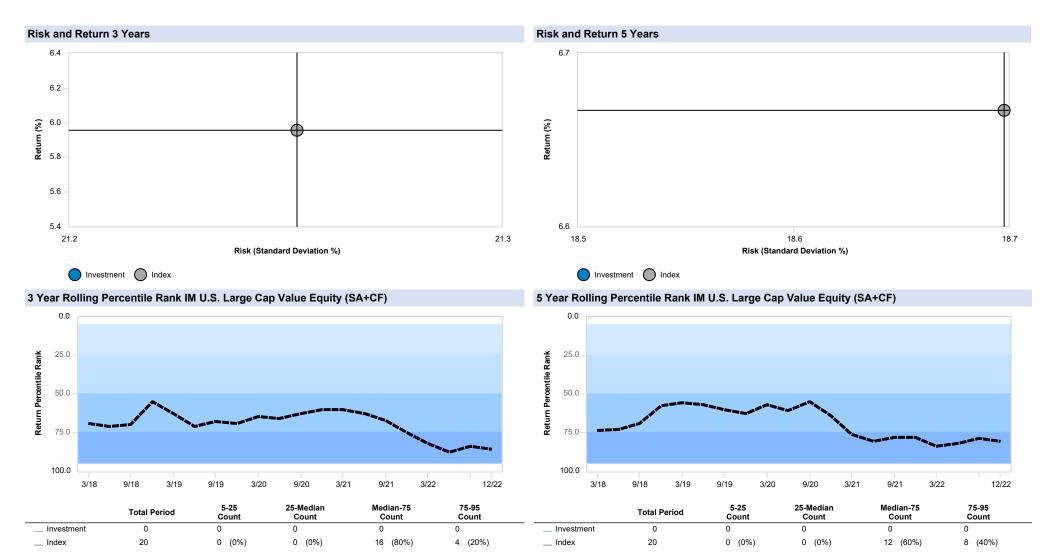


	Total Fund Composite	Total Fund Policy Index
Actual Correlation	1.00	1.00
Information Ratio	-0.29	N/A
R-Squared	0.99	1.00
Tracking Error	1.20	0.00

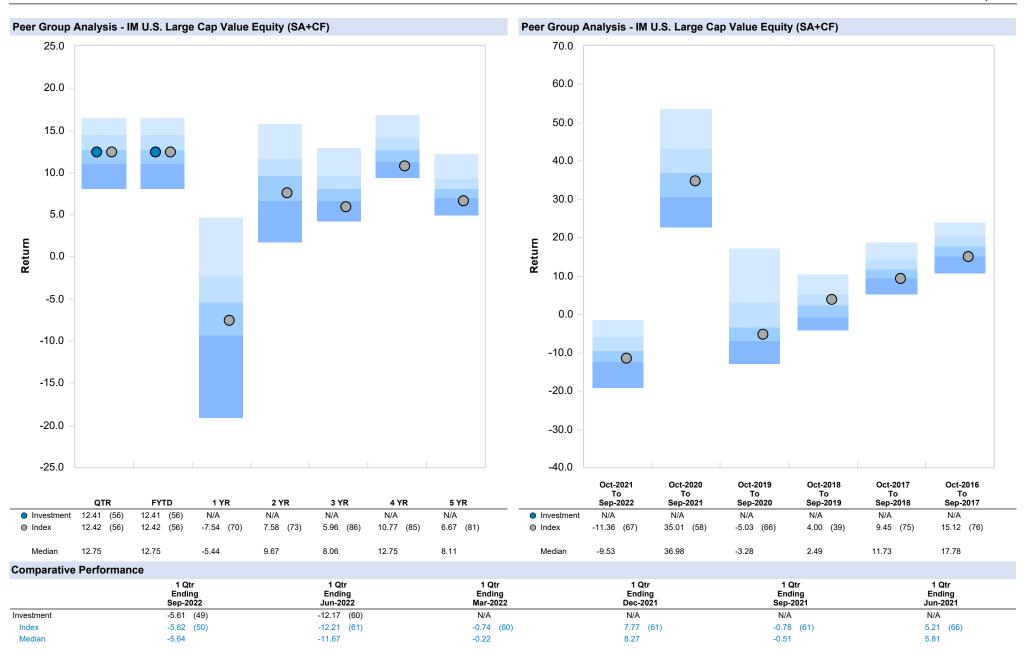
Benchmark: Total Fund Policy Index



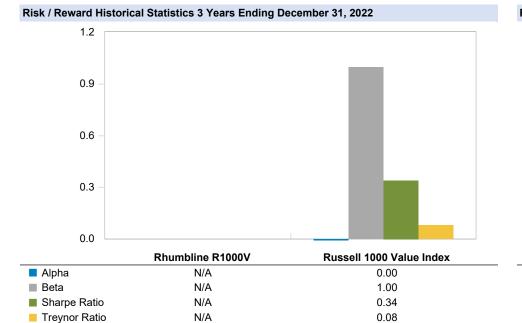
Historical Statistic	s 3 Years				Historical Statistics 3 Years										
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters		Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Investment	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Index	5.96	21.25	0.35	100.00	7	100.00	5	Index	6.67	18.70	0.37	100.00	13	100.00	7



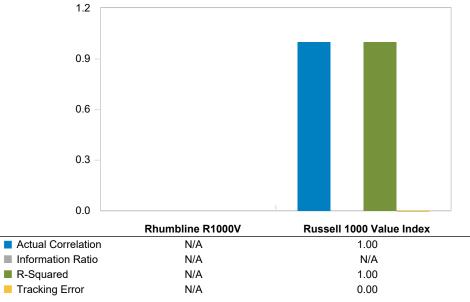










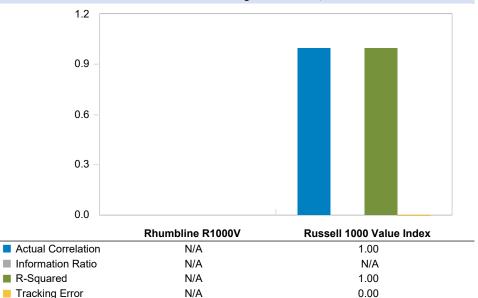


Risk / Reward Historical Statistics 5 Years Ending December 31, 2022



	Rhumbline R1000V	Russell 1000 Value Index
Alpha	N/A	0.00
Beta	N/A	1.00
Sharpe Ratio	N/A	0.37
Treynor Ratio	N/A	0.07

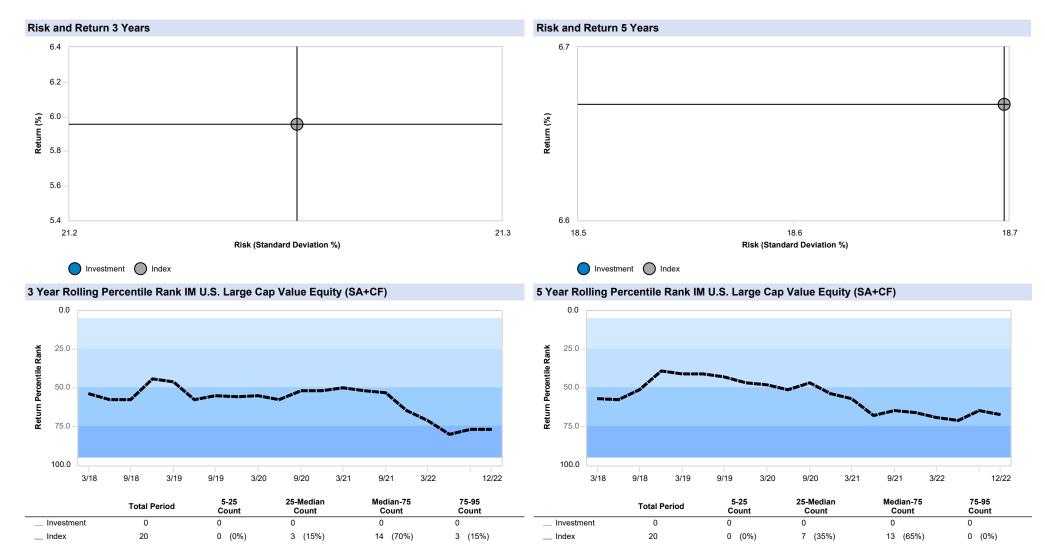
Index Relative Historical Statistics 5 Years Ending December 31, 2022



Benchmark: Russell 1000 Value Index

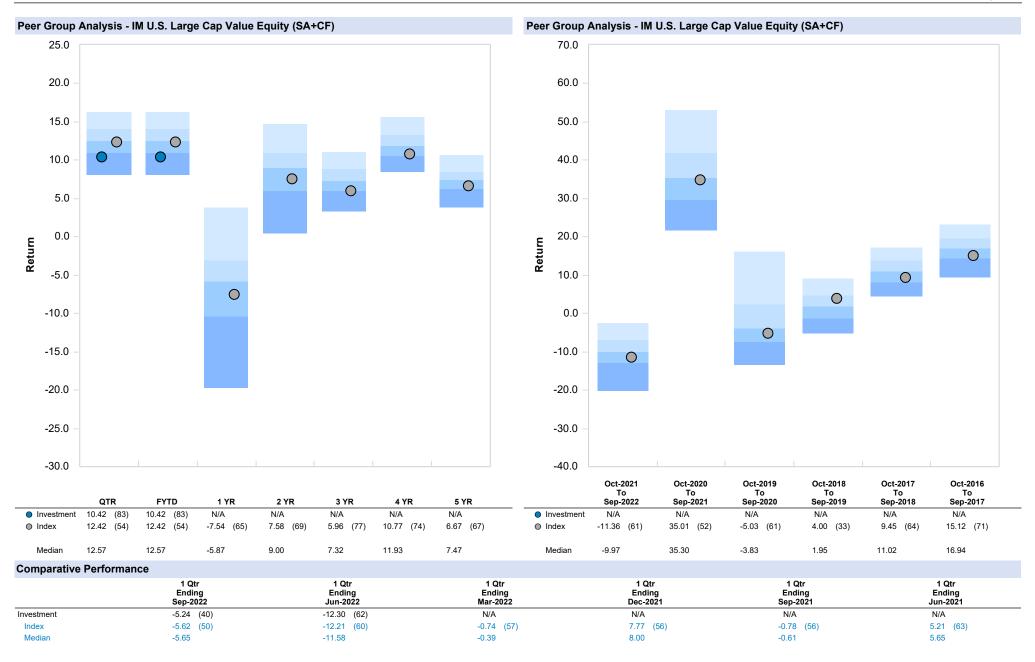
Strategy Review Aristotle Value Equity CIT | Russell 1000 Value Index As of December 31, 2022

Historical Statistics	Historical Statistics 3 Years								tics 5 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters		Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Investment	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Index	5.96	21.25	0.35	100.00	7	100.00	5	Index	6.67	18.70	0.37	100.00	13	100.00	7

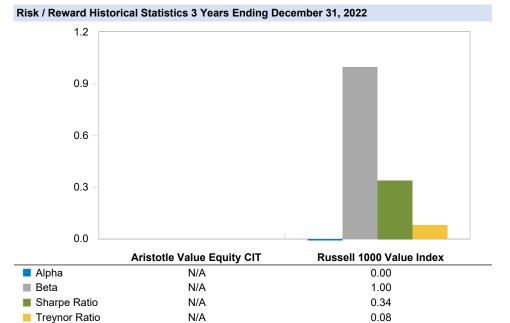


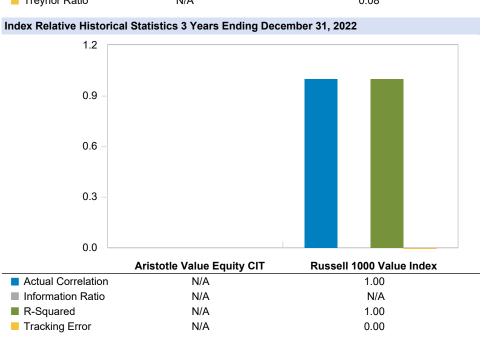
86

Strategy Review Aristotle Value Equity CIT | Russell 1000 Value Index As of December 31, 2022



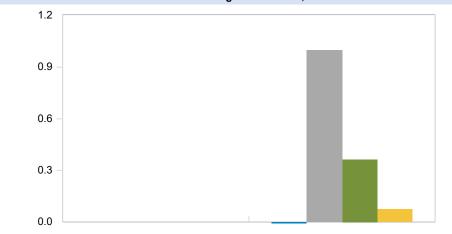






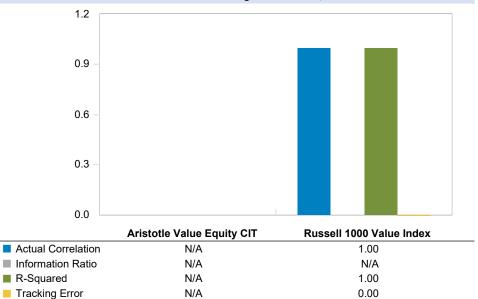
Benchmark: Russell 1000 Value Index

Risk / Reward Historical Statistics 5 Years Ending December 31, 2022



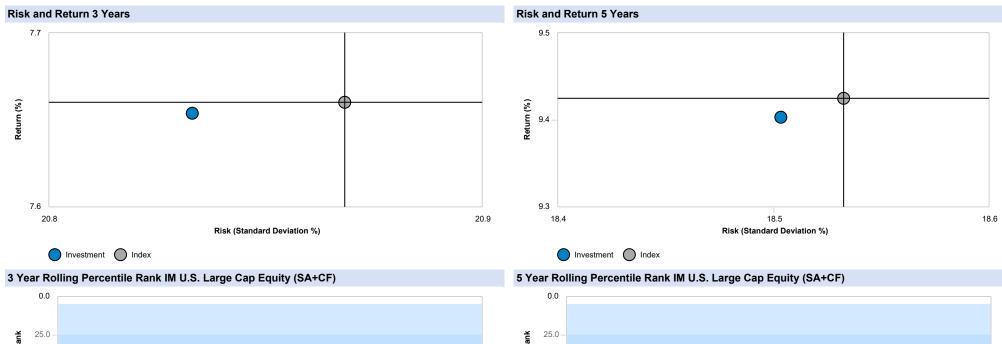
	Aristotle Value Equity CIT	Russell 1000 Value Index
Alpha	N/A	0.00
Beta	N/A	1.00
Sharpe Ratio	N/A	0.37
Treynor Ratio	N/A	0.07

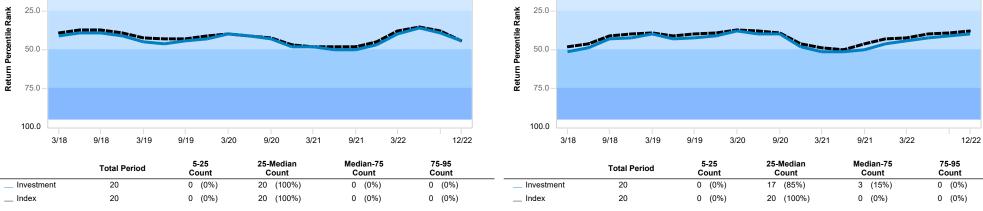
Index Relative Historical Statistics 5 Years Ending December 31, 2022



88

Historical Statistic	s 3 Years							Historical Stati	stics 5 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters		Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	7.65	20.83	0.42	99.79	8	99.77	4	Investment	9.40	18.50	0.51	99.80	14	99.82	6
Index	7.66	20.87	0.42	100.00	8	100.00	4	Index	9.42	18.53	0.51	100.00	14	100.00	6

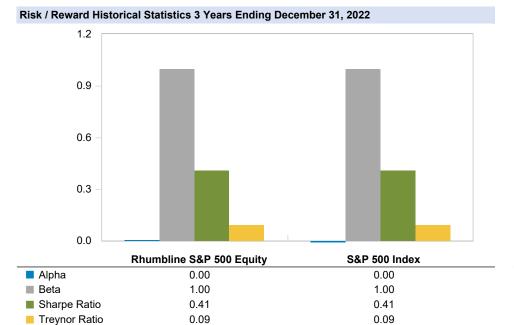




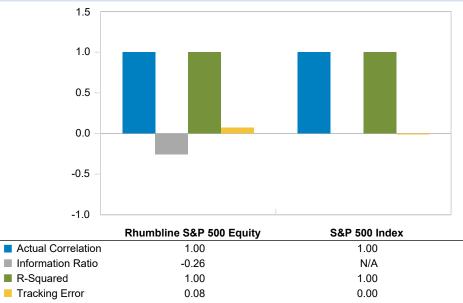




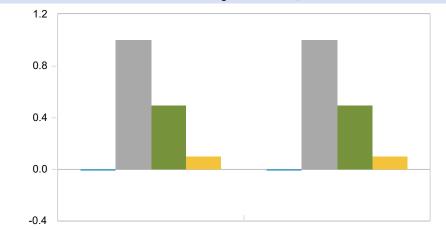




Index Relative Historical Statistics 3 Years Ending December 31, 2022

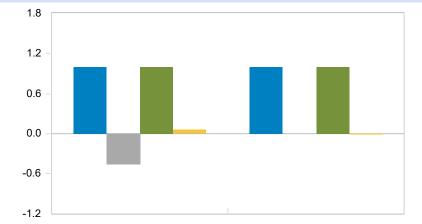


Risk / Reward Historical Statistics 5 Years Ending December 31, 2022



	Rhumbline S&P 500 Equity	S&P 500 Index	
Alpha	-0.01	0.00	
Beta	1.00	1.00	
Sharpe Ratio	0.49	0.49	
Treynor Ratio	0.10	0.10	

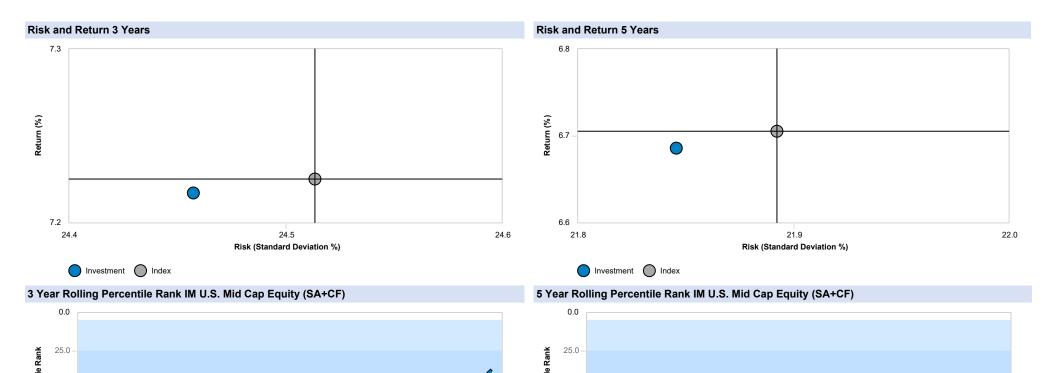
Index Relative Historical Statistics 5 Years Ending December 31, 2022

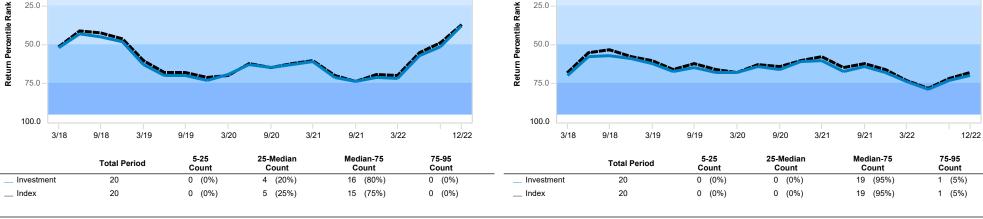


	Rhumbline S&P 500 Equity	S&P 500 Index
Actual Correlation	1.00	1.00
Information Ratio	-0.47	N/A
R-Squared	1.00	1.00
Tracking Error	0.06	0.00

Benchmark: S&P 500 Index

Historical Statistic	s 3 Years					Historical Statistics 3 Years									
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters		Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	7.22	24.46	0.38	99.78	7	99.78	5	Investment	6.69	21.85	0.35	99.78	12	99.82	8
Index	7.23	24.51	0.38	100.00	7	100.00	5	Index	6.71	21.89	0.35	100.00	12	100.00	8





50.0



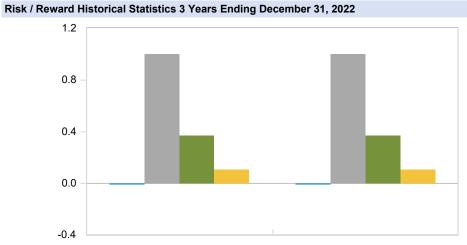
50.0

Strategy Review Rhumbline S&P 400 Equity | S&P MidCap 400 Index As of December 31, 2022



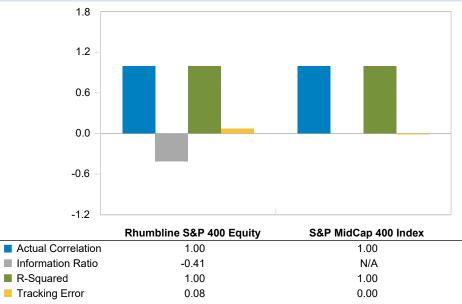


Portfolio Comparison Rhumbline S&P MidCap 400 As of December 31, 2022



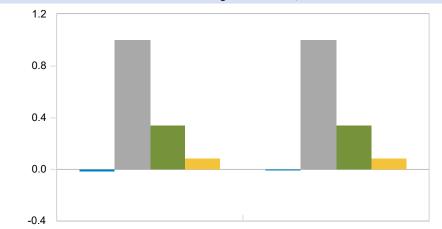
	Rhumbline S&P 400 Equity	S&P MidCap 400 Index
Alpha	0.00	0.00
Beta	1.00	1.00
Sharpe Ratio	0.37	0.37
Treynor Ratio	0.11	0.11

Index Relative Historical Statistics 3 Years Ending December 31, 2022



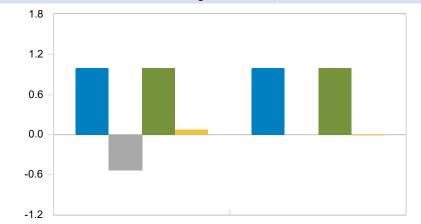
Benchmark: S&P MidCap 400 Index

Risk / Reward Historical Statistics 5 Years Ending December 31, 2022



	Rhumbline S&P 400 Equity	S&P MidCap 400 Index
Alpha	-0.01	0.00
Beta	1.00	1.00
Sharpe Ratio	0.34	0.34
Treynor Ratio	0.09	0.09

Index Relative Historical Statistics 5 Years Ending December 31, 2022

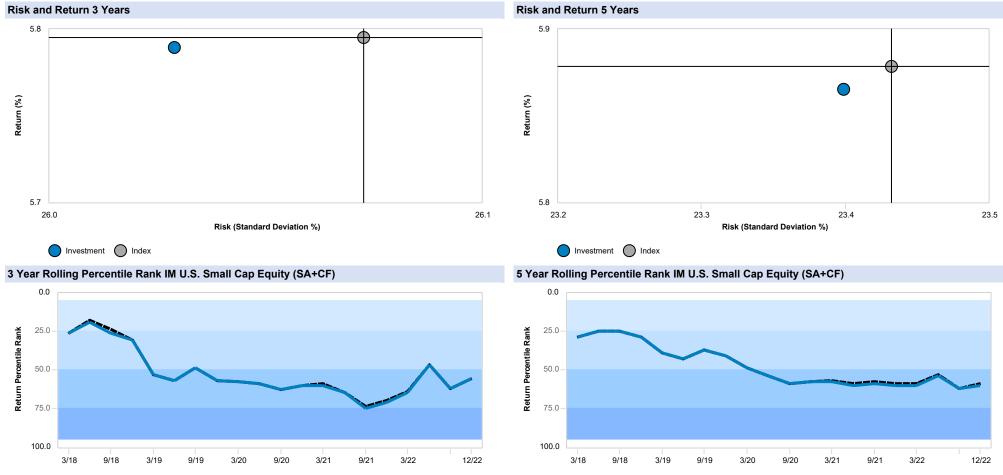


	Rhumbline S&P 400 Equity	S&P MidCap 400 Index
Actual Correlation	1.00	1.00
Information Ratio	-0.54	N/A
R-Squared	1.00	1.00
Tracking Error	0.07	0.00



Strategy Review Rhumbline S&P 600 Equity | S&P SmallCap 600 Index As of December 31, 2022

Historical Statistic	s 3 Years							Historical Stati	stics 5 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters		Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	5.79	26.03	0.32	99.82	7	99.82	5	Investment	5.87	23.40	0.31	99.84	13	99.86	7
Index	5.80	26.07	0.32	100.00	7	100.00	5	Index	5.88	23.43	0.31	100.00	13	100.00	7

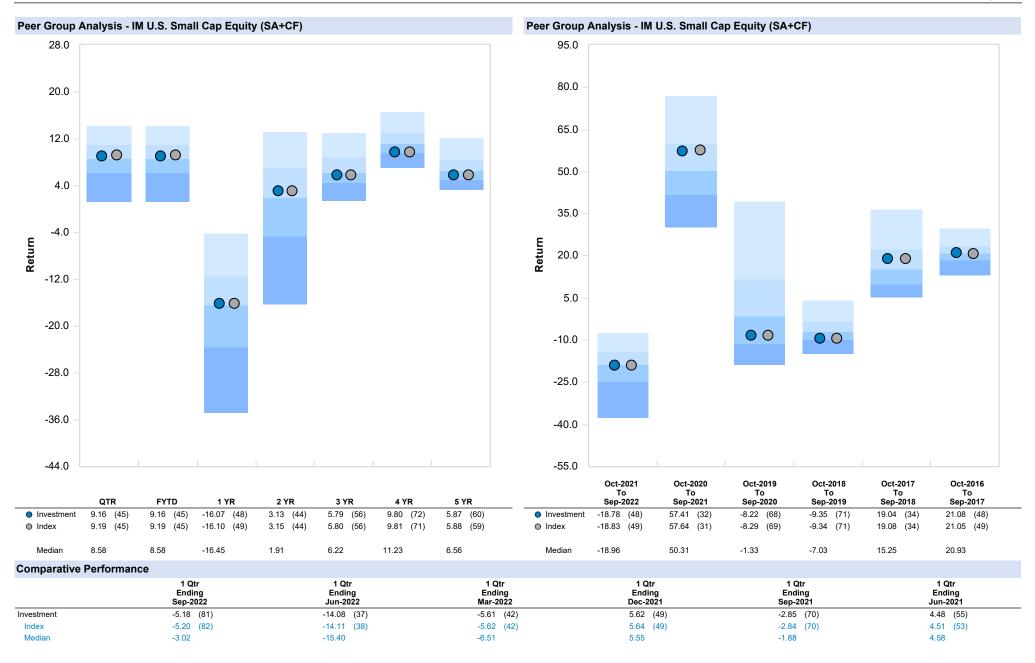


	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count		Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	20	1 (5%)	5 (25%)	14 (70%)	0 (0%)	Investment	20	2 (10%)	7 (35%)	11 (55%)	0 (0%)
Index	20	2 (10%)	4 (20%)	14 (70%)	0 (0%)	Index	20	2 (10%)	7 (35%)	11 (55%)	0 (0%)

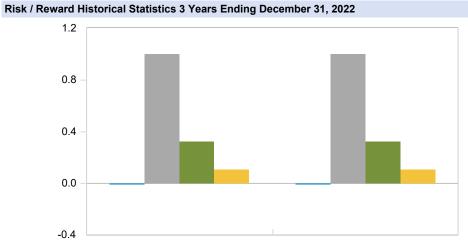


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Strategy Review Rhumbline S&P 600 Equity | S&P SmallCap 600 Index As of December 31, 2022

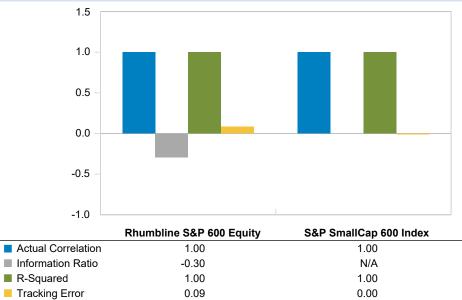




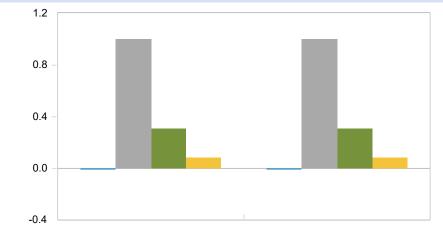


	Rhumbline S&P 600 Equity	S&P SmallCap 600 Index
Alpha	-0.01	0.00
Beta	1.00	1.00
Sharpe Ratio	0.32	0.32
Treynor Ratio	0.10	0.10

Index Relative Historical Statistics 3 Years Ending December 31, 2022

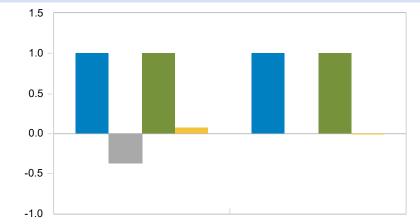


Risk / Reward Historical Statistics 5 Years Ending December 31, 2022



	Rhumbline S&P 600 Equity	S&P SmallCap 600 Index
Alpha	-0.01	0.00
Beta	1.00	1.00
Sharpe Ratio	0.31	0.31
Treynor Ratio	0.09	0.09

Index Relative Historical Statistics 5 Years Ending December 31, 2022

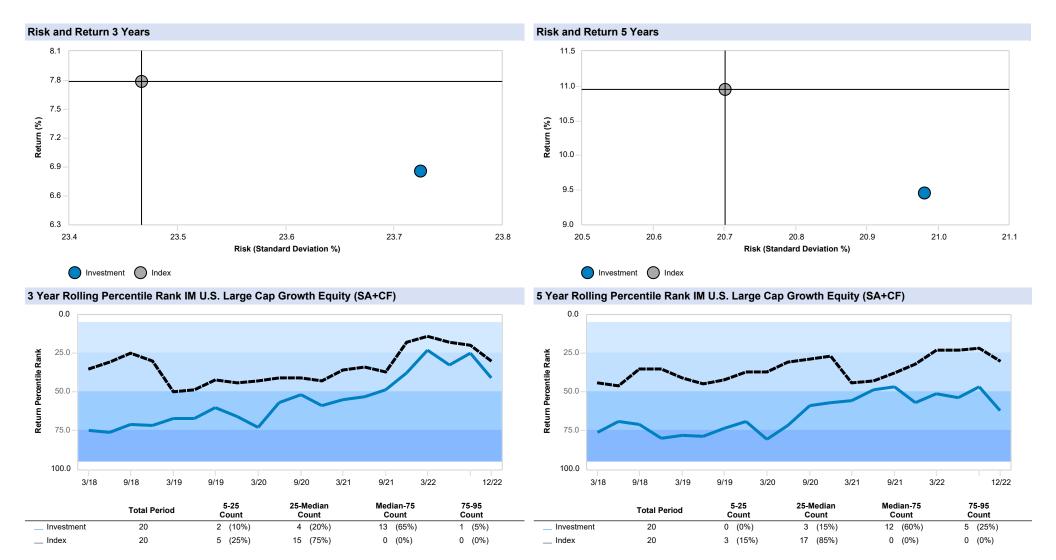


	Rhumbline S&P 600 Equity	S&P SmallCap 600 Index	
Actual Correlation	1.00	1.00	_
Information Ratio	-0.37	N/A	
R-Squared	1.00	1.00	
Tracking Error	0.07	0.00	

Benchmark: S&P SmallCap 600 Index

Strategy Review Highland Capital Equity | Russell 1000 Growth Index As of December 31, 2022

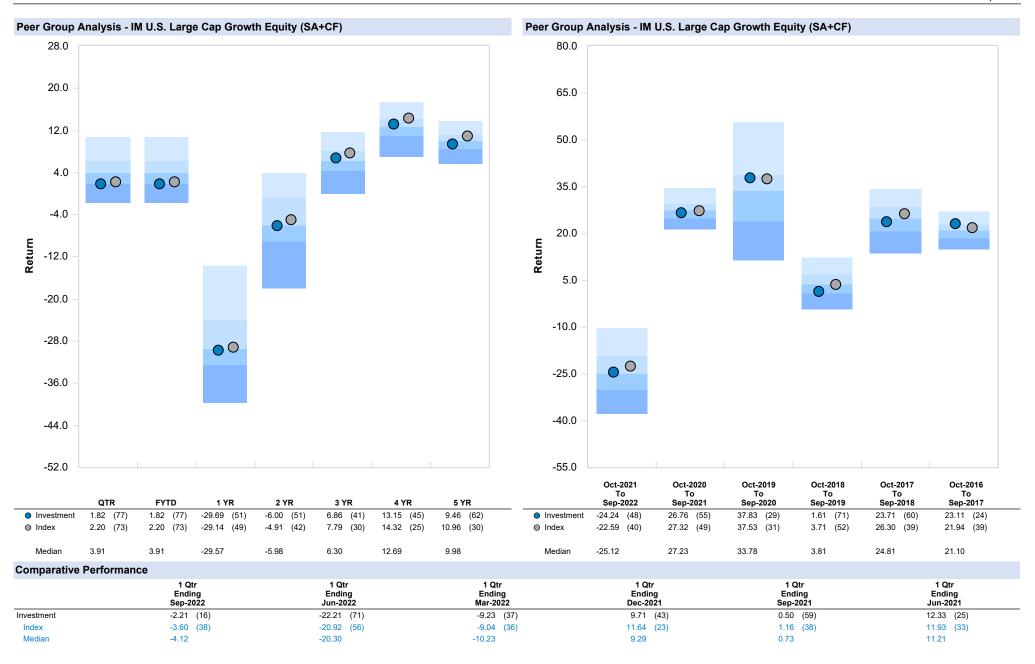
Historical Statistic	s 3 Years							Historical Stati	stics 5 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters		Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	6.86	23.72	0.37	98.29	8	100.39	4	Investment	9.46	20.98	0.48	97.62	15	101.85	5
Index	7.79	23.47	0.40	100.00	8	100.00	4	Index	10.96	20.70	0.55	100.00	15	100.00	5



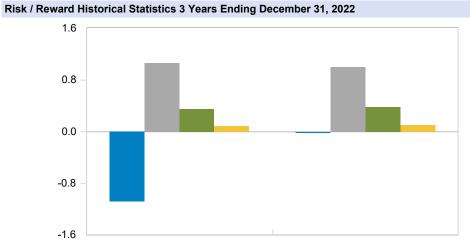




Strategy Review Highland Capital Equity | Russell 1000 Growth Index As of December 31, 2022

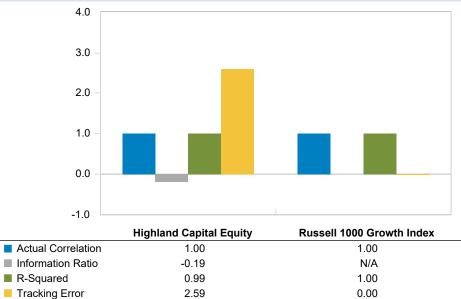




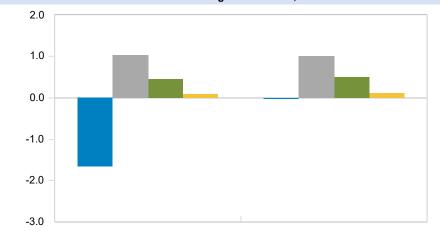


	Highland Capital Equity	Russell 1000 Growth Index
Alpha	-1.08	0.00
Beta	1.06	1.00
Sharpe Ratio	0.35	0.39
Treynor Ratio	0.09	0.10

Index Relative Historical Statistics 3 Years Ending December 31, 2022

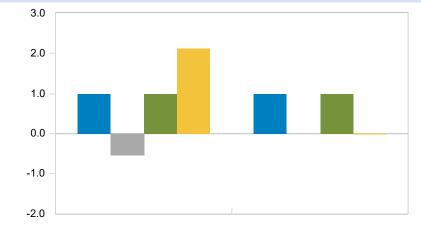


Risk / Reward Historical Statistics 5 Years Ending December 31, 2022



	Highland Capital Equity	Russell 1000 Growth Index
Alpha	-1.66	0.00
Beta	1.04	1.00
Sharpe Ratio	0.45	0.52
Treynor Ratio	0.10	0.12

Index Relative Historical Statistics 5 Years Ending December 31, 2022

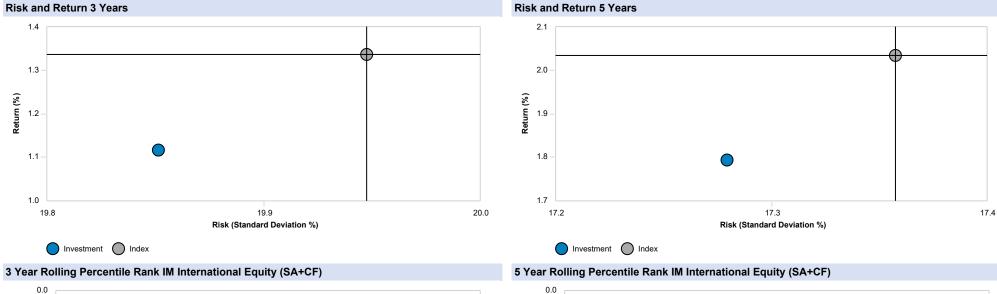


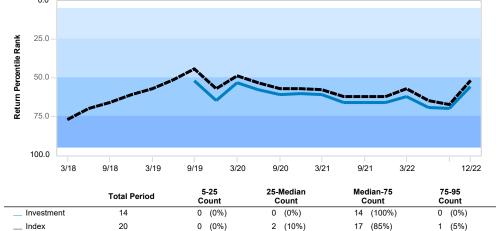
	Highland Capital Equity	Russell 1000 Growth Index
Actual Correlation	1.00	1.00
Information Ratio	-0.55	N/A
R-Squared	0.99	1.00
Tracking Error	2.12	0.00

Benchmark: Russell 1000 Growth Index

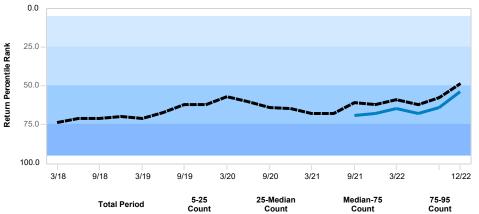


Historical Statistic	s 3 Years							Historical Statis	stics 5 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters		Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	1.12	19.85	0.12	99.37	7	100.22	5	Investment	1.79	17.28	0.12	99.34	11	100.38	9
Index	1.34	19.95	0.13	100.00	7	100.00	5	Index	2.03	17.36	0.13	100.00	11	100.00	9





17 (85%)



0 (0%)

1 (5%)

6 (100%)

19 (95%)

0 (0%)

0 (0%)

6

20

Investment

__ Index

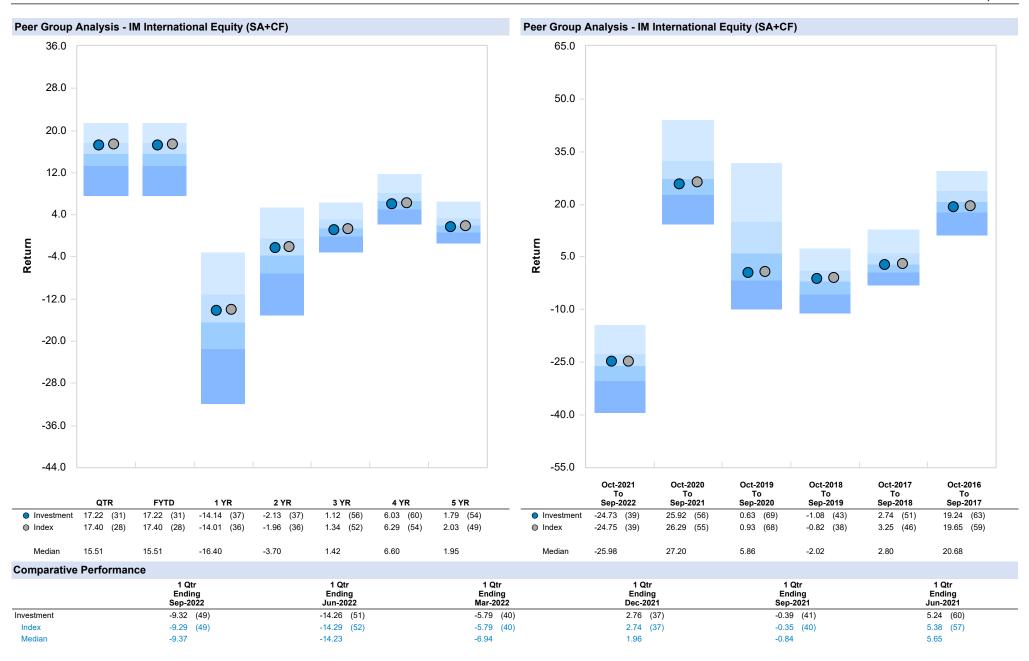


0 (0%)

0 (0%)

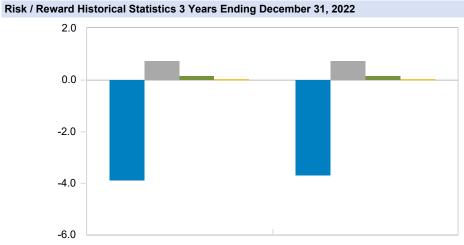
__ Index

Strategy Review Rhumbline International Equity | MSCI EAFE Index As of December 31, 2022





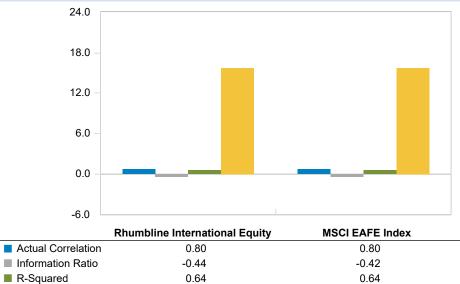
Portfolio Comparison Rhumbline International Equity As of December 31, 2022



	Rhumbline International Equity	MSCI EAFE Index
Alpha	-3.90	-3.71
Beta	0.73	0.74
Sharpe Ratio	0.14	0.15
Treynor Ratio	0.04	0.05

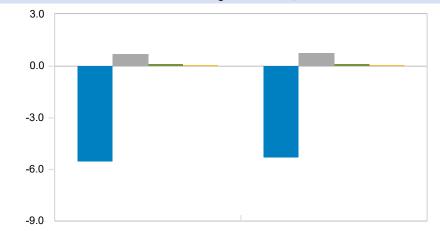
Index Relative Historical Statistics 3 Years Ending December 31, 2022

15.75



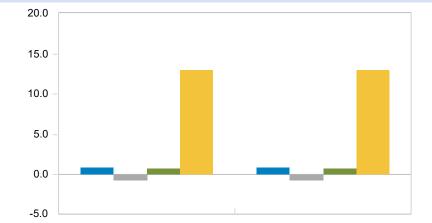
15.76

Risk / Reward Historical Statistics 5 Years Ending December 31, 2022



	Rhumbline International Equity	MSCI EAFE Index
Alpha	-5.52	-5.32
Beta	0.72	0.72
Sharpe Ratio	0.13	0.14
Treynor Ratio	0.04	0.04

Index Relative Historical Statistics 5 Years Ending December 31, 2022



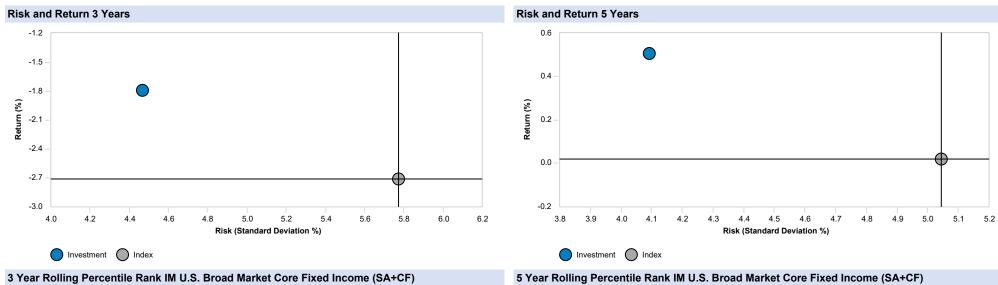
	Rhumbline International Equity	MSCI EAFE Index
Actual Correlation	0.83	0.83
Information Ratio	-0.72	-0.70
R-Squared	0.68	0.68
Tracking Error	13.01	13.02

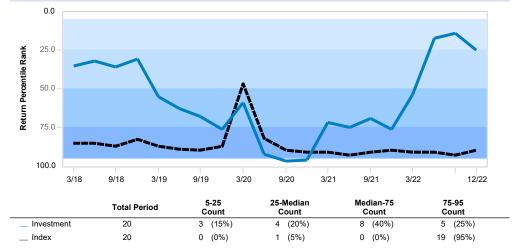
Benchmark: Russell 1000 Growth Index

Tracking Error

Strategy Review Highland Capital Fixed Income | BImbg. U.S. Aggregate Index As of December 31, 2022

Historical Statistic	s 3 Years							Historical Statis	stics 5 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters		Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	-1.79	4.47	-0.54	80.06	7	76.07	5	Investment	0.51	4.09	-0.16	85.73	13	78.49	7
Index	-2.71	5.77	-0.57	100.00	8	100.00	4	Index	0.02	5.04	-0.22	100.00	14	100.00	6





1 (5%)

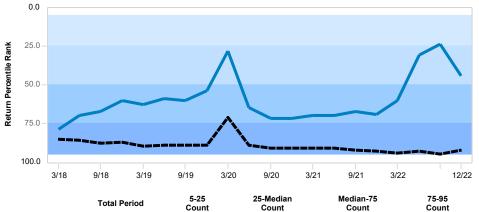
0 (0%)

20

20

Investment

__ Index



3 (15%)

0 (0%)

15 (75%)

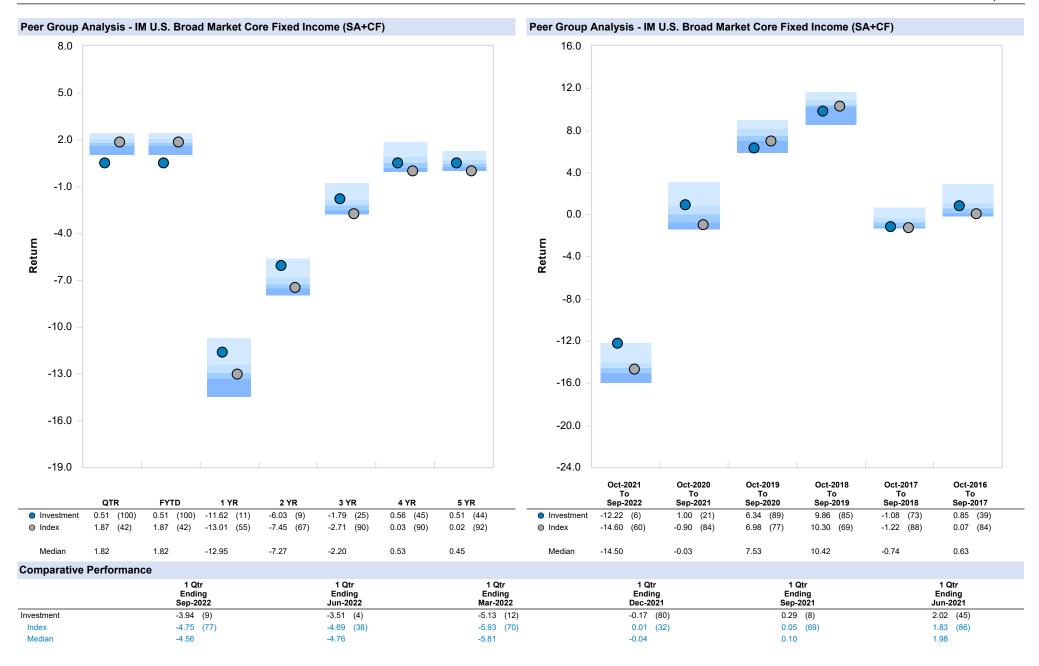
1 (5%)



1 (5%)

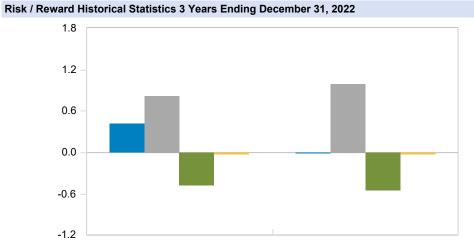
19 (95%)

Strategy Review Highland Capital Fixed Income | Blmbg. U.S. Aggregate Index As of December 31, 2022



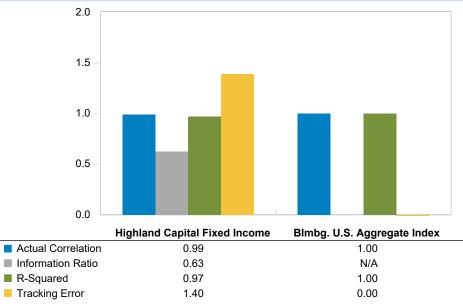


Portfolio Comparison Highland Capital Fixed Income As of December 31, 2022

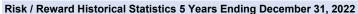


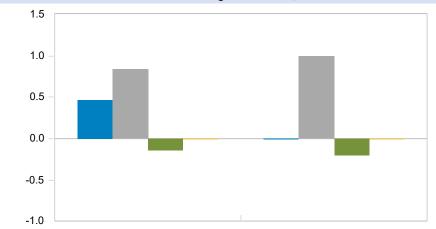
	Highland Capital Fixed Income	Blmbg. U.S. Aggregate Index
Alpha	0.42	0.00
Beta	0.82	1.00
Sharpe Ratio	-0.47	-0.54
Treynor Ratio	-0.03	-0.03

Index Relative Historical Statistics 3 Years Ending December 31, 2022



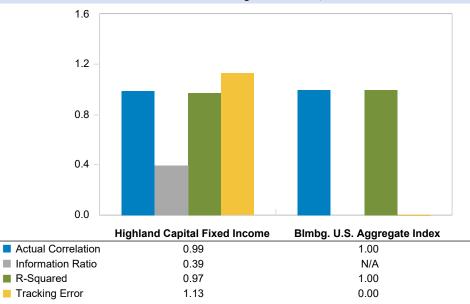
Benchmark: Blmbg. U.S. Aggregate Index





	Highland Capital Fixed Income	Blmbg. U.S. Aggregate Index
Alpha	0.47	0.00
Beta	0.84	1.00
Sharpe Ratio	-0.14	-0.21
Treynor Ratio	-0.01	-0.01

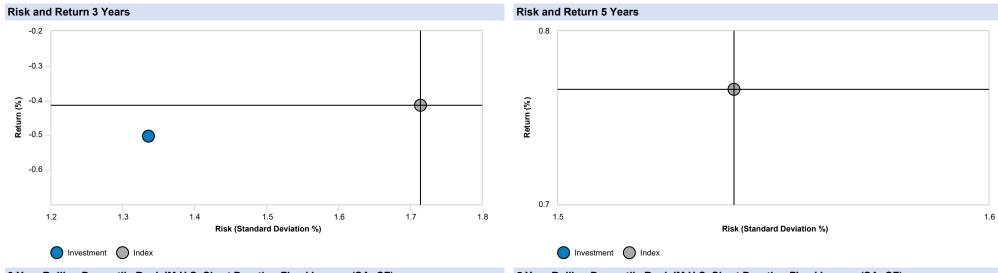
Index Relative Historical Statistics 5 Years Ending December 31, 2022

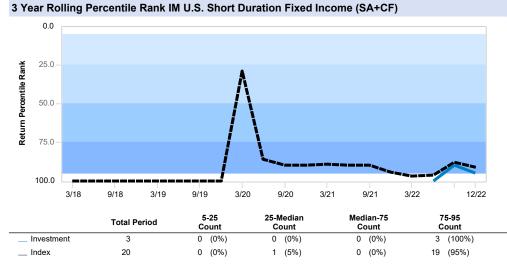




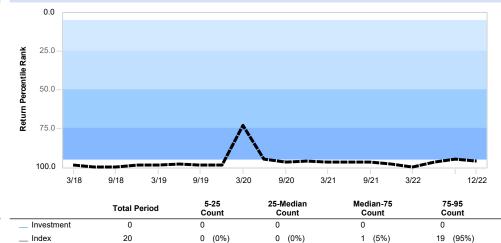
Strategy Review Highland Short Term Fixed Income | ICE BofAML 1-3 Year Treasury As of December 31, 2022

Historical Statistic	s 3 Years							Historical Stati	stics 5 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters		Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	-0.50	1.34	-0.91	73.99	7	83.40	5	Investment	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Index	-0.41	1.71	-0.68	100.00	6	100.00	6	Index	0.77	1.54	-0.33	100.00	13	100.00	7





5 Year Rolling Percentile Rank IM U.S. Short Duration Fixed Income (SA+CF)

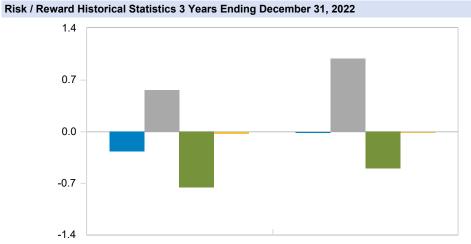


Strategy Review Highland Short Term Fixed Income | ICE BofAML 1-3 Year Treasury As of December 31, 2022



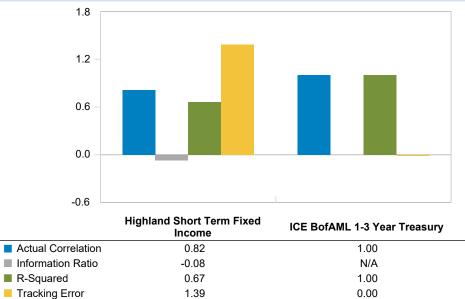


Portfolio Comparison Highland Short Term Fixed Income As of December 31, 2022

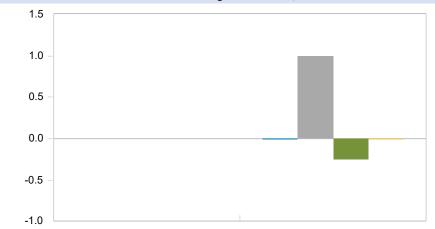


	Highland Short Term Fixed Income	ICE BofAML 1-3 Year Treasury
Alpha	-0.27	0.00
Beta	0.57	1.00
Sharpe Ratio	-0.76	-0.50
Treynor Ratio	-0.02	-0.01

Index Relative Historical Statistics 3 Years Ending December 31, 2022

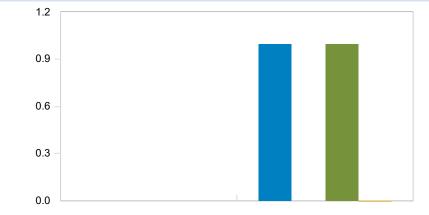


Risk / Reward Historical Statistics 5 Years Ending December 31, 2022



	Highland Short Term Fixed Income	ICE BofAML 1-3 Year Treasury
Alpha	N/A	0.00
Beta	N/A	1.00
Sharpe Ratio	N/A	-0.26
Treynor Ratio	N/A	0.00

Index Relative Historical Statistics 5 Years Ending December 31, 2022



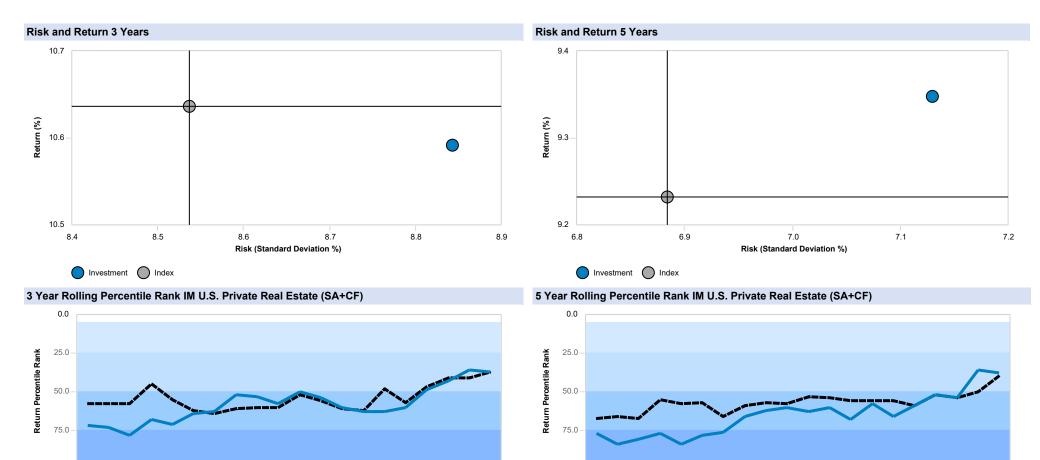
Highland Short Term Fixed
IncomeICE BofAML 1-3 Year TreasuryActual CorrelationN/A1.00Information RatioN/AN/AR-SquaredN/A1.00Tracking ErrorN/A0.00

83

Benchmark: ICE BofAML 1-3 Year Treasury

Strategy Review ARA Core Property Fund | NCREIF Fund Index-Open End Diversified Core (EW) As of December 31, 2022

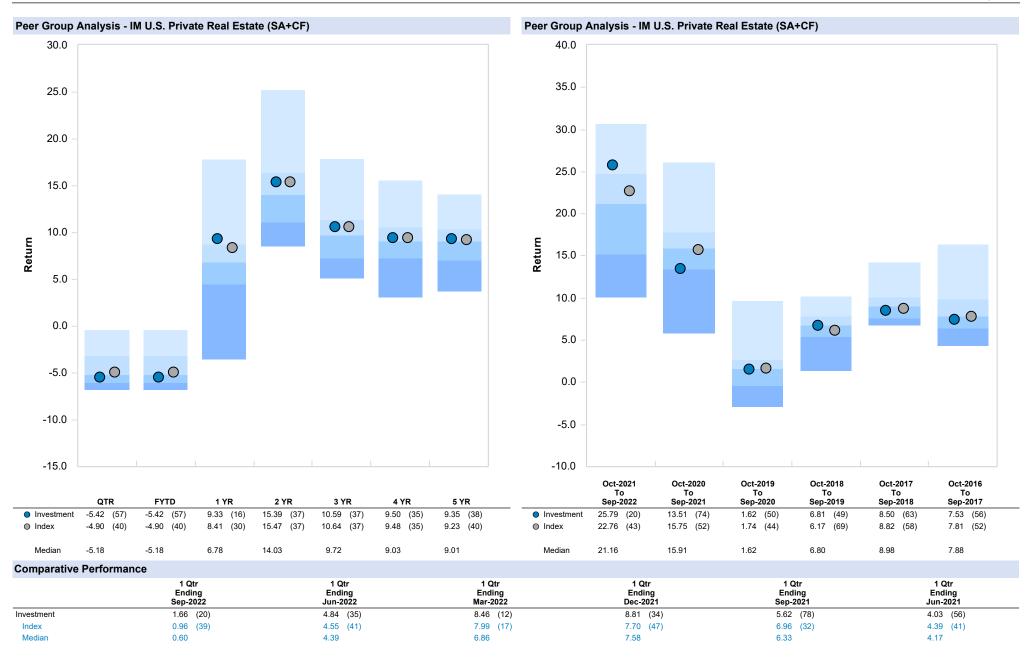
Historical Statistic	s 3 Years							Historical Stati	stics 5 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters		Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	10.59	8.84	1.09	101.16	9	107.83	3	Investment	9.35	7.13	1.10	102.13	17	107.83	3
Index	10.64	8.54	1.13	100.00	10	100.00	2	Index	9.23	6.88	1.12	100.00	18	100.00	2



100.0 3/18	9/18	3/19	9/19	3/20	9/20	3/21	9/21	3/22	12/22	100.0	3/18	9/18	3/19	9/19	3/20	9/20	3/21	9/21	3/22	12/22
	Total I	Period	5-25 Cour		25-Media Count	n	Median-7 Count		75-95 Count			Total F	Period	5-25 Coun	t	25-Mediar Count	ı	Median-75 Count	5	75-95 Count
Investment	20		0 (0	1%)	5 (25%	b)	14 (70	%)	1 (5%)	Investr	nent	20		0 (0	%)	2 (10%)	11 (55%)	7 (35%)
Index	20		0 (0	1%)	6 (30%	b)	14 (70	%)	0 (0%)	Index		20		0 (00	%)	2 (10%)	18 (90%)	0 (0%)



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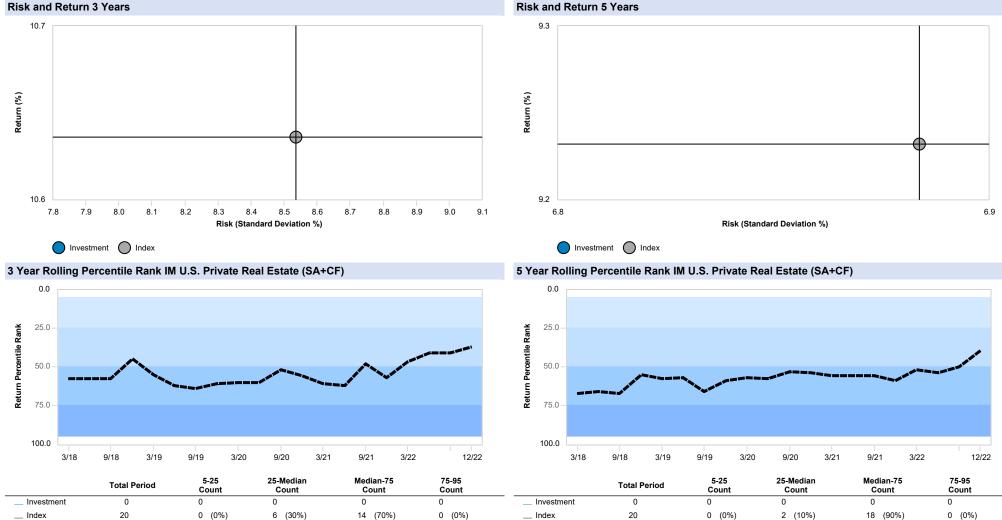




Strategy Review American Strategic Value Realty | NCREIF Fund Index-Open End Diversified Core (EW)

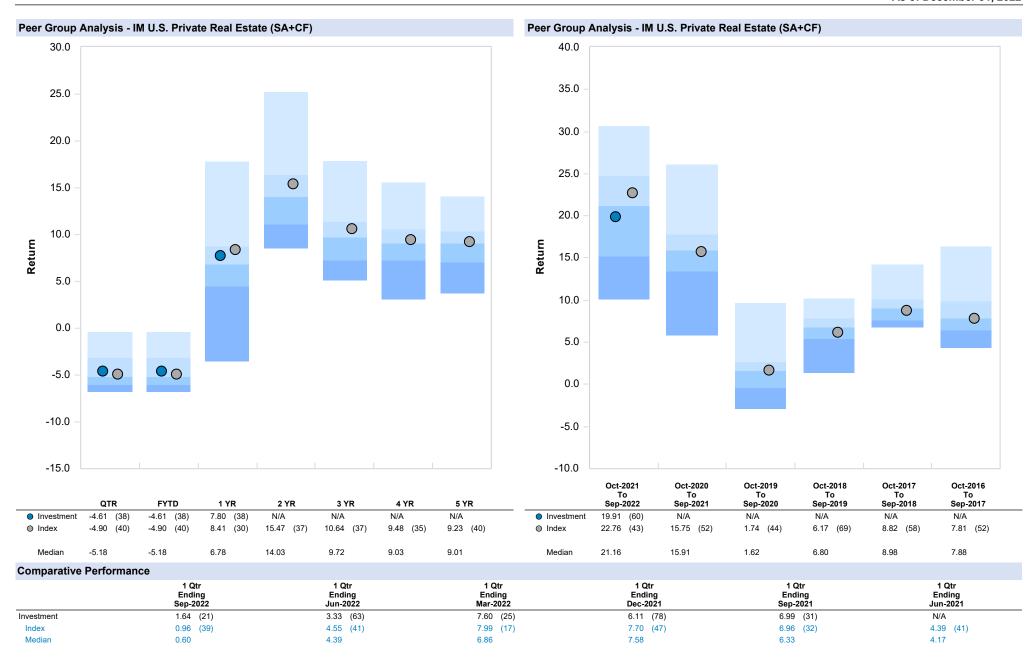
As of December 31, 2022

Historical Statistics 3 Years								Historical Statistics 5 Years							
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters		Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Investment	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Index	10.64	8.54	1.13	100.00	10	100.00	2	Index	9.23	6.88	1.12	100.00	18	100.00	2





Strategy Review American Strategic Value Realty | NCREIF Fund Index-Open End Diversified Core (EW) As of December 31, 2022





Palm Beach Gardens Police Fee Analysis As of December 31, 2022

				· · · · · ·
	Estimated Annual Fee (%)	Market Value (\$)	Estimated Annual Fee (\$)	Fee Schedule
Rhumbline R1000V	0.04	4,903,528	1,961	0.04 % of Assets
Rhumbline S&P 500 Equity	0.05	12,486,758	6,243	0.05 % of Assets
Rhumbline S&P 400 Equity	0.05	12,553,695	6,277	0.05 % of Assets
Rhumbline S&P 600 Equity	0.05	12,127,191	6,064	0.05 % of Assets
Rhumbline International Equity	0.05	10,463,372	5,232	0.05 % of Assets
Aristotle Value Equity CIT	0.49	4,445,990	21,785	0.49 % of Assets
Highland Capital Balanced	0.42	30,006,807	125,026	0.50 % of First \$10 M 0.38 % Thereafter
Highland Short Term Fixed Income	0.25	11,367,902	28,420	0.25 % of Assets
ARA Core Property Fund	1.10	12,993,576	142,929	1.10 % of Assets
American Strategic Value Realty	1.25	2,213,448	27,668	1.25 % of Assets
IFM Global Infrastructure (US), L.P. Class A	0.77	5,592,252	43,060	0.77 % of Assets
Cash Equivalent		364,251	-	
Total Fund Composite	0.35	119,518,769	414,665	



AndCo fee \$26,614 per annum

Weight (%)

25.00 10.00 20.00 10.00 10.00 10.00 5.00

20.00 10.00 10.00 10.00 17.50 12.50 5.00 5.00

10.00 10.00 10.00 10.00 10.00 17.50 12.50 5.00 5.00

Allocation Mandate	Weight (%)	Allocation Mandate				
Nov-1994		Jun-2020				
Blmbg. U.S. Aggregate Index	35.00	Blmbg. U.S. Aggregate Index				
S&P 500 Index	25.00	Russell 1000 Growth Index				
S&P MidCap 400 Index	10.00	S&P 500 Index				
Russell 1000 Growth Index	10.00	S&P MidCap 400 Index				
S&P SmallCap 600 Index	10.00	S&P SmallCap 600 Index				
MSCI EAFE Index	10.00	MSCI EAFE Index				
		NCREIF Fund Index-Open End Diversified Core (EW				
Oct-2010		ICE BofAML 1-3 Year Treasury				
Blmbg. U.S. Aggregate Index	31.00					
S&P 500 Index	25.00	Dec-2021				
S&P MidCap 400 Index	10.00	S&P 500 Index				
Russell 1000 Growth Index	10.00	S&P MidCap 400 Index				
MSCI EAFE Index	10.00	S&P SmallCap 600 Index				
S&P SmallCap 600 Index	10.00	Russell 1000 Growth Index				
FTSE Non-U.S. World Government Bond	4.00	MSCI EAFE Index				
		BImbg. U.S. Aggregate Index				
Apr-2012		NCREIF Fund Index-Open End Diversified Core (EW				
Blmbg. U.S. Aggregate Index	29.00	ICE BofAML 1-3 Year Treasury				
S&P 500 Index	25.00	S&P Global Infrastructure				
S&P MidCap 400 Index	10.00					
Russell 1000 Growth Index	10.00	Apr-2022				
MSCI EAFE Index	10.00	S&P 500 Index				
S&P SmallCap 600 Index	10.00	S&P MidCap 400 Index				
FTSE Non-U.S. World Government Bond	4.00	S&P SmallCap 600 Index				
NCREIF Property Index	2.00	Russell 1000 Growth Index				
		Russell 1000 Value Index				
Oct-2015		MSCI EAFE Index				
Blmbg. U.S. Aggregate Index	26.00	Blmbg. U.S. Aggregate Index				
S&P 500 Index	25.00	NCREIF Fund Index-Open End Diversified Core (EW				
S&P MidCap 400 Index	10.00	ICE BofAML 1-3 Year Treasury				
Russell 1000 Growth Index	10.00	S&P Global Infrastructure				
MSCI EAFE Index	10.00					
S&P SmallCap 600 Index	10.00					
FTSE Non-U.S. World Government Bond	4.00					
NCREIF Fund Index-Open End Diversified Core (EW)	5.00					



Allocation Mandate	Weight (%)
Dct-2022	
S&P 500 Index	10.00
S&P MidCap 400 Index	10.00
S&P SmallCap 600 Index	7.50
Russell 1000 Growth Index	10.00
Russell 1000 Value Index	10.00
MSCI EAFE Index	10.00
3Imbg. U.S. Aggregate Index	17.50
NCREIF Fund Index-Open End Diversified Core (EW)	12.50
CE BofAML 1-3 Year Treasury	5.00
S&P Global Infrastructure	7.50



Allocation Mandate	Weight	Allocation Mandate	Weight (%)
	(%)	Apr-1994	
Jun-2000		Blmbg. U.S. Aggregate Index	89.00
S&P 500 Index	100.00	FTSE Non-U.S. World Government Bond	11.00
Jan-2003		Jul-2020	
S&P 500 Index	80.00	Blmbg. U.S. Aggregate Index	77.78
S&P MidCap 400 Index	20.00	Blmbg. U.S. Treasury: 1-3 Year	22.22
Jan-2004			
S&P 500 Index	60.00		
S&P MidCap 400 Index	20.00		
S&P SmallCap 600 Index	20.00		
Jan-2007			
S&P 500 Index	62.00		
S&P MidCap 400 Index	15.00		
S&P SmallCap 600 Index	15.00		
MSCI EAFE Index	8.00		
Oct-2007			
S&P 500 Index	38.40		
S&P MidCap 400 Index	15.40		
S&P SmallCap 600 Index	15.40		
MSCI EAFE Index	15.40		
Russell 1000 Growth Index	15.40		
Apr-2022			
S&P 500 Index	16.67		
S&P MidCap 400 Index	16.67		
S&P SmallCap 600 Index	16.67		
MSCI EAFE Index	16.67		
Russell 1000 Growth Index	16.66		
Russell 1000 Value Index	16.66		
Oct-2022			
S&P 500 Index	17.40		
S&P MidCap 400 Index	17.40		
S&P SmallCap 600 Index	13.00		
MSCI EAFE Index	17.40		
Russell 1000 Growth Index	17.40		
Russell 1000 Value Index	17.40		



2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	YTD
Blmbg. U.S. Aggregate Index 5.2 %	MSCI Emerging Markets (Net) Index 78.5 %	Russell 2000 Growth Index 29.1 %	NCREIF Fund Index-ODCE (EW) (Net) 15.0 %	MSCI Emerging Markets (Net) Index 18.2 %	Russell 2000 Growth Index 43.3 %	S&P 500 Index 13.7 %	NCREIF Fund Index-ODCE (EW) (Net) 14.2 %	Russell 2000 Value Index 31.7 %	MSCI Emerging Markets (Net) Index 37.3 %	NCREIF Fund Index-ODCE (EW) (Net) 7.3 %	Russell 1000 Growth Index 36.4 %	Russell 1000 Growth Index 38.5 %	S&P 500 Index 28.7 %	NCREIF Fu Index-ODC (EW) (Net 7.6 %
Bloomberg Global Aggregate Ex USD 4.4 %	Blmbg. U.S. Corp High Yield 58.2 %	Russell 2000 Index 26.9 %	Blmbg. U.S. Aggregate Index 7.8 %	Russell 2000 Value Index 18.1 %	Russell 2000 Index 38.8 %	Russell 1000 Value Index 13.5 %	Russell 1000 Growth Index 5.7 %	Russell 2000 Index 21.3 %	Russell 1000 Growth Index 30.2 %	Blmbg. U.S. Aggregate Index 0.0 %	S&P 500 Index 31.5 %	Russell 2000 Growth Index 34.6 %	Russell 2000 Value Index 28.3 %	Russell 100 Value Inde -7.5 %
NCREIF Fund Index-ODCE (EW) (Net) -11.1 %	Russell 1000 Growth Index 37.2 %	Russell 2000 Value Index 24.5 %	Blmbg. U.S. Corp High Yield 5.0 %	Russell 1000 Value Index 17.5 %	Russell 2000 Value Index 34.5 %	Russell 1000 Growth Index 13.1 %	S&P 500 Index 1.4 %	Russell 1000 Value Index 17.3 %	MSCI EAFE (Net) Index 25.0 %	Russell 1000 Growth Index -1.5 %	Russell 2000 Growth Index 28.5 %	Russell 2000 Index 20.0 %	Russell 1000 Growth Index 27.6 %	Blmbg. U. Corp High Y -11.2 %
Blmbg. U.S. Corp High Yield -26.2 %	Russell 2000 Growth Index 34.5 %	MSCI Emerging Markets (Net) Index 18.9 %	Bloomberg Global Aggregate Ex USD 4.4 %	MSCI EAFE (Net) Index 17.3 %	Russell 1000 Growth Index 33.5 %	NCREIF Fund Index-ODCE (EW) (Net) 11.4 %	Blmbg. U.S. Aggregate Index 0.5 %	Blmbg. U.S. Corp High Yield 17.1 %	Russell 2000 Growth Index 22.2 %	Blmbg. U.S. Corp High Yield -2.1 %	Russell 1000 Value Index 26.5 %	S&P 500 Index 18.4 %	Russell 1000 Value Index 25.2 %	Blmbg. U. Aggregate Ir -13.0 %
	MSCI EAFE (Net) Index 31.8 %	Russell 1000 Growth Index 16.7 %	Russell 1000 Growth Index 2.6 %	Russell 2000 Index 16.3 %	Russell 1000 Value Index 32.5 %	Blmbg. U.S. Aggregate Index 6.0 %	MSCI EAFE (Net) Index -0.8 %	S&P 500 Index 12.0 %	S&P 500 Index 21.8 %	Bloomberg Global Aggregate Ex USD -2.1 %	Russell 2000 Index 25.5 %	MSCI Emerging Markets (Net) Index 18.3 %	NCREIF Fund Index-ODCE (EW) (Net) 21.9 %	MSCI EAF (Net) Inde -14.5 %
	Russell 2000 Index 27.2 %	Russell 1000 Value Index 15.5 %	S&P 500 Index 2.1 %	S&P 500 Index 16.0 %	S&P 500 Index 32.4 %	Russell 2000 Growth Index 5.6 %	Russell 2000 Growth Index -1.4 %	Russell 2000 Growth Index 11.3 %	Russell 2000 Index 14.6 %	S&P 500 Index -4.4 %		Bloomberg Global Aggregate Ex USD 10.1 %	Russell 2000 Index 14.8 %	Russell 20 Value Ind -14.5 %
Russell 1000 Value Index -36.8 %	S&P 500 Index 26.5 %	Blmbg. U.S. Corp High Yield 15.1 %	Russell 1000 Value Index 0.4 %	Blmbg. U.S. Corp High Yield 15.8 %	MSCI EAFE (Net) Index 22.8 %	Russell 2000 Index 4.9 %	Russell 1000 Value Index -3.8 %	MSCI Emerging Markets (Net) Index 11.2 %	Russell 1000 Value Index 13.7 %	Russell 1000 Value Index -8.3 %	MSCI EAFE (Net) Index 22.0 %	MSCI EAFE (Net) Index 7.8 %	MSCI EAFE (Net) Index 11.3 %	S&P 500 lr -18.1 %
S&P 500 Index -37.0 %	Russell 2000 Value Index 20.6 %	NCREIF Fund Index-ODCE (EW) (Net) 15.1 %	Russell 2000 Growth Index -2.9 %	Russell 1000 Growth Index 15.3 %	NCREIF Fund Index-ODCE (EW) (Net) 12.4 %	Russell 2000 Value Index 4.2 %	Russell 2000 Index -4.4 %	NCREIF Fund Index-ODCE (EW) (Net) 8.4 %	Bloomberg Global Aggregate Ex USD 10.5 %	Russell 2000 Growth Index -9.3 %	MSCI Emerging Markets (Net) Index 18.4 %	Blmbg. U.S. Aggregate Index 7.5 %	Blmbg. U.S. Corp High Yield 5.3 %	Bloombe Global Aggregate USD -18.7 %
Russell 1000 Growth Index -38.4 %	Russell 1000 Value Index 19.7 %	S&P 500 Index 15.1 %	Russell 2000 Index -4.2 %	Russell 2000 Growth Index 14.6 %	Blmbg. U.S. Corp High Yield 7.4 %	Blmbg. U.S. Corp High Yield 2.5 %	Blmbg. U.S. Corp High Yield -4.5 %	Russell 1000 Growth Index 7.1 %	Russell 2000 Value Index 7.8 %	Russell 2000 Index -11.0 %		Blmbg. U.S. Corp High Yield 7.1 %	Russell 2000 Growth Index 2.8 %	MSCI Emer Markets (N Index -20.1 %
Russell 2000 Growth Index -38.5 %	Bloomberg Global Aggregate Ex USD 7.5 %	MSCI EAFE (Net) Index 7.8 %	Russell 2000 Value Index -5.5 %	NCREIF Fund Index-ODCE (EW) (Net) 9.9 %	Blmbg. U.S. Aggregate Index -2.0 %	MSCI Emerging Markets (Net) Index -2.2 %	Bloomberg Global Aggregate Ex USD -6.0 %	Blmbg. U.S. Aggregate Index 2.6 %	Blmbg. U.S. Corp High Yield 7.5 %	Russell 2000 Value Index -12.9 %	Blmbg. U.S. Aggregate Index 8.7 %	Russell 2000 Value Index 4.6 %	Blmbg. U.S. Aggregate Index -1.5 %	Russell 20 Index -20.4 %
MSCI EAFE (Net) Index -43.4 %	Blmbg. U.S. Aggregate Index 5.9 %	Blmbg. U.S. Aggregate Index 6.5 %	MSCI EAFE (Net) Index -12.1 %	Blmbg. U.S. Aggregate Index 4.2 %	MSCI Emerging Markets (Net) Index -2.6 %	Bloomberg Global Aggregate Ex USD -3.1 %	Russell 2000 Value Index -7.5 %	Bloomberg Global Aggregate Ex USD 1.5 %	NCREIF Fund Index-ODCE (EW) (Net) 6.9 %	MSCI EAFE (Net) Index -13.8 %	NCREIF Fund Index-ODCE (EW) (Net) 5.2 %	Russell 1000 Value Index 2.8 %	MSCI Emerging Markets (Net) Index -2.5 %	Russell 2 Growth In -26.4 %
MSCI Emerging Markets (Net) Index -53.3 %	NCREIF Fund Index-ODCE (EW) (Net) -31.3 %	Bloomberg Global Aggregate Ex USD 4.9 %	MSCI Emerging Markets (Net) Index -18.4 %	Bloomberg Global Aggregate Ex USD 4.1 %	Bloomberg Global Aggregate Ex USD -3.1 %	MSCI EAFE (Net) Index -4.9 %	MSCI Emerging Markets (Net) Index -14.9 %	MSCI EAFE (Net) Index 1.0 %	Blmbg. U.S. Aggregate Index 3.5 %	MSCI Emerging Markets (Net) Index -14.6 %	Bloomberg Global Aggregate Ex USD 5.1 %	NCREIF Fund Index-ODCE (EW) (Net) 0.8 %	Bloomberg Global Aggregate Ex USD -7.1 %	Russell 1 Growth In -29.1 %

Source: Investment Metrics

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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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