Investment Performance Review Period Ending June 30, 2023

Palm Beach Gardens Police Pension Plan

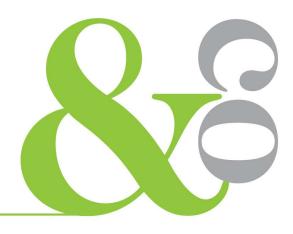


Table Of Contents

1	Market Environment	Page 1
2	Compliance Report	Page 12
3	Schedule of Investable Assets	Page 14
4	Asset Allocation Pie Chart	Page 15
5	Asset Allocation Compliance	Page 17
6	Asset Allocation Compliance Segment Based	Page 18
7	Asset Allocation & Performance Trailing Periods (gross)	Page 21
8	Asset Allocation & Performance Trailing Periods (net)	Page 24
9	Asset Allocation & Performance Fiscal Year Periods (gross)	Page 26
10	Asset Allocation & Performance Fiscal Year Periods (net)	Page 29
11	Historical Rolling Performance Total Fund	Page 32
12	Historical Rolling Performance Total Fund Policy	Page 33
13	Total Fund Composite Returns Based Analysis	Page 34
14	Rhumbline S&P 500 Equity Returns Based Analysis	Page 43
15	Rhumbline S&P 400 Equity Returns Based Analysis	Page 46
16	Rhumbline S&P 600 Equity Returns Based Analysis	Page 49
17	Highland Capital Equity Returns Based Analysis	Page 52
18	Rhumbline International Equity Returns Based Analysis	Page 55
19	Highland Capital Fixed Income Returns Based Analysis	Page 58
20	Highland 1-3 Returns Based Analysis	Page 61
21	American Realty Returns Based Analysis	Page 64
22	Fee Schedule	Page 68
23	Benchmark History	Page 69
24	Asset Class & Style Heat Map	Page 72
25	Definitions & Disclosure Pages	Page 73



2nd Quarter 2023 Market Environment



The Economy

- Though the Atlanta Fed GDPNow model forecasted weak GDP growth in 2023 as the impact from higher interest rates continued to spread through the broader economy, the first quarter GDP final revision of 2% was markedly higher than the 1.3% first reported.
- The US Federal Reserve Bank (the Fed) continued to increase interest rates during the quarter with an additional 0.25% increase in the Fed Funds rate in May, followed by a pause in June. The Fed continues to prioritize fighting high inflation with the press release from the June meeting detailing the extent that additional policy firming (i.e., rate increases) will consider the cumulative tightening of monetary policy, the lags with which monetary policy affects economic activity and inflation, and economic and financial developments.
- June brought some weakness in the US labor market as nonfarm payrolls increased by 209,000, below the expected 240,000 new jobs. This represented the slowest month for job creation since December 2020. Initial jobless also rose for the week ending July 1st.
- The global banking sector came under duress in the first quarter of 2023, triggered by the second and third-largest regional bank failures in US history. Fears of deterioration in the banking sector have waned, likely helped by aggressive intervention from the FDIC and Federal Reserve.

Equity (Domestic and International)

- US equities moved broadly higher during the second quarter led by growth-oriented sectors. The S&P 500 Benchmark rose 8.7% for the quarter, its best-performing quarter since Q4-2021. Large-cap growth was the best-performing domestic segment of the equity market during the period while small-cap value, while positive, was the weakest relative performer for the quarter.
- International stocks experienced modest returns during the quarter. Local currency (LCL) performance outpaced US Dollar (USD) performance in most regions though both benchmarks were positive as the USD traded higher during the quarter.
- Global GDP growth continues to face challenges despite falling energy prices. European growth remained under pressure amid hawkish central bank policies. While China has fully reopened after almost three years of COVID-19 restrictions, there have been challenges associated with the region re-integrating with the global economy.

Fixed Income

- While inflation continues to decline, the Fed maintained their inflation-fighting policy stance, increasing interest rates by 0.25% in May but opting to pause in June. The additional rate hike in May along with the possibility that additional rate hikes could occur in this tightening cycle, drove intermediate and long-term rates slightly higher during the guarter.
- US Government securities were the worst-performing sector during the quarter.
 US Treasuries lagged the corporate and securitized sectors as yields at longer maturities rose slightly and credit conditions were considered more favorable than the previous quarter.
- Corporate bonds with lower credit ratings held up better than higher quality issues, aided by narrowing credit spreads as well as their higher coupons. High-yield bonds were the best-performing segment of the domestic bond market, echoing the equity market's positive sentiment during the quarter.
- Global bonds underperformed US issues during the quarter and the trailing oneyear period.

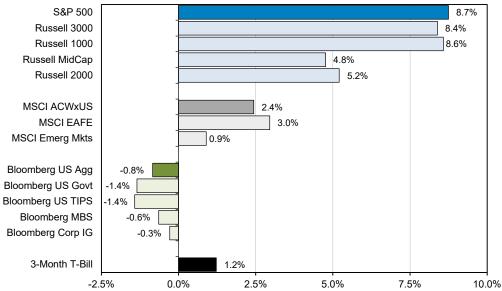
Market Themes

- Central banks remained vigilant in their fight against inflation with the Fed, the Bank of England, and the European Central foreshadowing the potential for further tightening with additional rate hikes in the coming months. GDP contraction in the Eurozone for the previous two quarters has been met with recovering asset prices in the most recent guarter as investors remain hopeful of future growth.
- The conflict in Ukraine continues without expectations of any resolution in the near future. Energy costs have subsided in recent months attributed to a mild winter in the Eurozone region and an increase in fossil fuel production in the US.
- Short-term interest rates rose across most developed markets as central banks continued to tighten policy stances. Despite previous concerns about the potential for slowing economic growth, lower-quality corporate bonds outpaced higherquality government bonds as credit spreads narrowed.
- Both US and international equity markets continued to recover from the disappointing year that was 2022 on expectations that inflation would continue to moderate and central banks would slow the pace of their monetary tightening cycles. Growth has significantly outpaced value in the previous two quarters.

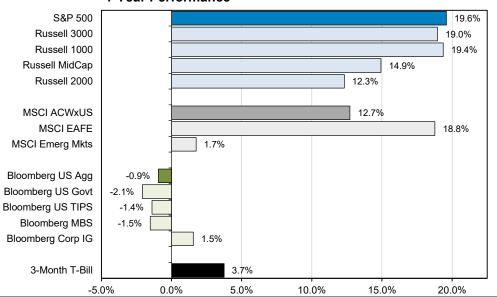


- Domestic equity markets started 2023 with solid results, led mostly by the large-cap names. The poor performance posted by domestic equities in the first half of 2022 has rolled off and now each index has turned positive on a trailing one-year basis. Factors contributing to the guarter's results include strong economic data in the face of higher benchmark rates and the expectation that the Fed would slow the pace of future interest rate increases. For the period, the S&P 500 large-cap benchmark returned 8.7% versus 4.8% for mid-cap and 5.2% for small-cap benchmarks.
- International developed and emerging market equities also delivered positive results, albeit lagging behind their domestic counterparts. Europe continues to face geopolitical risks related to the conflict in Ukraine and rising interest rates, though inflation has eased somewhat due to higher rates and more manageable energy prices. Performance in the emerging market index was led by the Latin America region whose regional index posted a strong 14.0% return in USD terms. The developed market MSCI EAFE Index returned 3.0% for the quarter and the MSCI Emerging Markets Index rose by 0.9%.
- The domestic bond market ebbed during the quarter due to higher rates from the Federal Reserve's decision to hike policy rates an additional 0.25%. The Bloomberg (BB) US Aggregate Index returned -0.8% for the period while investment-grade corporate bonds were down less with a return of -0.3%.
- During the one-year trailing period, US equity markets were positive as the weak performance from the first half of 2022 rolled off. The S&P 500 Index returned 19.6% for the year. The weakest relative performance for the year was the Russell 2000 Index, which still climbed 12.3% over the last 12months.
- International markets also rolled off their poor performance in 2022. Over the trailing one-year period, the MSCI EAFE Index returned 18.8% while the MSCI Emerging Markets Index added a much more modest 1.7%. Concerns relating to the conflict in Ukraine continued to emanate throughout the region and globally. Elevated inflation and slowing global economic growth continue to be an additional headwind for global markets.
- Bond markets softened further, posting negative returns over the previous 1year period for most indices. The primary driver of results during the first half of 2023 continues to be higher interest rates, which directly impact bond prices and index performance. Investment-grade corporate bonds were the only sector to post positive performance over the previous 12-months, adding 1.5%. The US Government sector suffered the most for the period, posting a return of -2.1%.





1-Year Performance

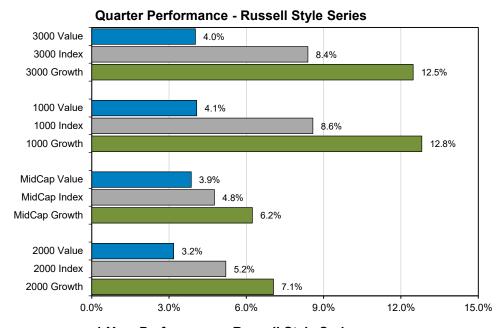


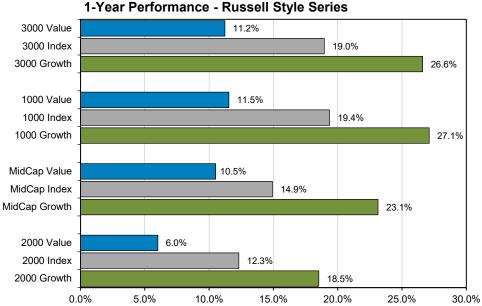
Source: Investment Metrics



- Core domestic equity benchmarks posted positive results for the second quarter in a row. However, concerns regarding the regional banking sector and the financial sector's large weight in the value benchmarks weighed heavily on the broad value indices' performance in the first half of 2023. Large-cap stocks once again led results for the capitalization-based benchmarks, besting both the mid-cap and small-cap indices for the quarter. Growth benchmarks posted the strongest results as economic data continues to show favorable conditions for growth stocks. The Russell 1000 Growth Index topped the quarter, returning 12.8% followed by the Russell 2000 Growth Index and the Russell Midcap Growth Index, which rose by 7.1% and 6.2%, respectively.
- As previously stated, Growth stocks at all capitalization ranges outperformed their value counterparts by a wide margin for the quarter. This continued the 2023 theme of growth-based benchmark outperformance. Among the value benchmarks Large cap, mid-cap and small-cap value each posted positive performance for the quarter with the Russell 1000 Value Index leading the way at 4.1%.

- The second quarter's continued positive performance in tandem with the poor performance from the first half of 2022 rolling off the various benchmark returns turned the Russell indices positive on a trailing 12-month basis. Within large-cap stocks, the Russell 1000 Growth Index returned a strong 27.1%, leading the way among style and market capitalization classifications. The worst-performing index was the Russell 2000 Value, which posted a modest 6.0% return for the trailing 12-months.
- Growth rebounded from disappointing results in early 2022 and led value-based benchmarks in all market capitalization ranges during the trailing year. The Russell 2000 Growth Index returned 18.5%, outpacing the Russell 2000 Value index return of 6.0% by a span of 12.5%. The Russell 1000 Growth and Russell Midcap Growth benchmarks gained 27.1% and 23.1%, respectively, while their corresponding value index counterparts returned solid, but lagging, performance of 11.5% and 10.5%, respectively.



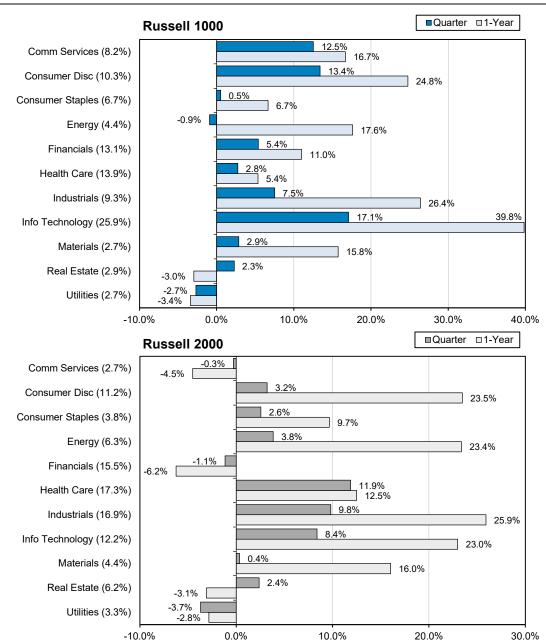


Source: Investment Metrics



- Large Cap sector performance was mostly positive for the second quarter.
 Nine of 11 economic sectors posted positive absolute performance for the quarter, but just three managed to outpace the return of the Russell 1000 index.
- After a challenging 2022, the information technology sector continued its dominating rebound, amassing an impressive 17.1% return for the quarter. The other two sectors that outpaced the headline index's return for the quarter were communication services (12.5%) and consumer discretionary (13.4%). Energy (-0.9%), and utilities (-2.7%) were the two sectors that lost ground for the quarter.
- For the full year, four economic sectors exceeded the return of the broad large-cap benchmark and seven of the eleven sectors posted positive performance. The weakest economic sector in the Russell 1000 for the year was utilities, which declined by -3.4% and was heavily impacted by rising energy costs and a market rotation away from defensive names.

- Eight small-cap economic sectors posted positive results during the quarter while just three exceeded the 5.2% return of the Russell 2000 Index. The health care (11.9%), industrials (9.8%), and information technology (8.4%) sectors led the way, outpacing the broad benchmark for the quarter while the utilities (-3.7%), financials (-1.1%), and communication services (-0.3%) sectors posted negative returns.
- Like large cap sector performance over the trailing year, seven small cap sectors were positive. Industrials posted the strongest sector results (25.9%) but the consumer discretionary, energy, and information technology sectors each also returned in excess of 20% for the last 12-months. Five of the 11 economic sectors fell short of core small-cap benchmark's return of 12.3% over the trailing year. The worst-performing sector for the year was financials with a return of -6.2%. The communication services (-4.5%), real estate (-3.1%), and utilities (-2.8%) sectors also posted negative results for the year.





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



Top 10 Weighted Stocks					
Russell 1000	Sector				
Apple Inc	7.0%	17.8%	42.7%	Information Technology	
Microsoft Corp	6.2%	18.4%	33.9%	Information Technology	
Amazon.com Inc	2.9%	26.2%	22.7%	Consumer Discretionary	
NVIDIA Corp	2.4%	52.3%	179.3%	Information Technology	
Tesla Inc	1.8%	26.2%	16.6%	Consumer Discretionary	
Alphabet Inc Class A	1.7%	15.4%	9.9%	Communication Services	
Meta Platforms Inc Class A	1.5%	35.4%	78.0%	Communication Services	
Berkshire Hathaway Inc Class B	1.5%	10.4%	24.9%	Financials	
Alphabet Inc Class C	1.5%	16.3%	10.6%	Communication Services	
UnitedHealth Group Inc	1.1%	2.1%	-5.1%	Health Care	

Top 10 Weighted Stocks					
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector	
Super Micro Computer Inc	0.5%	133.9%	517.7%	Information Technology	
SPS Commerce Inc	0.3%	26.1%	69.9%	Information Technology	
Rambus Inc	0.3%	25.2%	198.6%	Information Technology	
Chart Industries Inc	0.3%	27.4%	-4.5%	Industrials	
Novanta Inc	0.3%	15.7%	51.8%	Information Technology	
Chord Energy Corp Ordinary Shares	0.3%	16.9%	38.0%	Energy	
Light & Wonder Inc Ordinary Shares	0.3%	14.5%	46.3%	Consumer Discretionary	
ChampionX Corp	0.3%	14.8%	57.8%	Energy	
Atkore Inc	0.3%	11.0%	87.9%	Industrials	
Commercial Metals Co	0.3%	8.0%	61.2%	Materials	

Тор	Top 10 Performing Stocks (by Quarter)					
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector		
XP Inc Class A	0.0%	97.6%	30.6%	Financials		
Wayfair Inc Class A	0.0%	89.3%	49.2%	Consumer Discretionary		
Carnival Corp	0.0%	85.5%	117.7%	Consumer Discretionary		
XPO Inc	0.0%	85.0%	95.0%	Industrials		
Palantir Technologies Inc	0.1%	81.4%	69.0%	Information Technology		
MongoDB Inc Class A	0.1%	76.3%	58.4%	Information Technology		
Vertiv Holdings Co Class A	0.0%	73.1%	201.6%	Industrials		
Nu Holdings Ltd Ordinary Shares	0.0%	65.8%	111.0%	Financials		
AppLovin Corp Ordinary Shares -	0.0%	63.4%	-25.3%	Information Technology		
Norwegian Cruise Line Holdings Ltd	0.0%	61.9%	95.8%	Consumer Discretionary		

Top 10 Performing Stocks (by Quarter)						
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector		
CXApp Inc Ordinary Shares - Class A	0.0%	503.3%	9.2%	Information Technology		
Immunogen Inc	0.2%	391.4%	319.3%	Health Care		
Applied Digital Corp	0.0%	317.4%	790.5%	Information Technology		
Presto Automation Inc	0.0%	230.4%	N/A	Information Technology		
EyePoint Pharmaceuticals Inc	0.0%	195.9%	10.5%	Health Care		
CARISMA Therapeutics Inc	0.0%	182.9%	N/A	Health Care		
P3 Health Partners Inc Class A	0.0%	182.1%	-19.6%	Health Care		
Nano X Imaging Ltd Ordinary Shares	0.0%	168.5%	37.1%	Health Care		
Carvana Co Class A	0.1%	164.8%	14.8%	Consumer Discretionary		
Bit Digital Inc Ordinary Shares	0.0%	163.6%	209.9%	Information Technology		

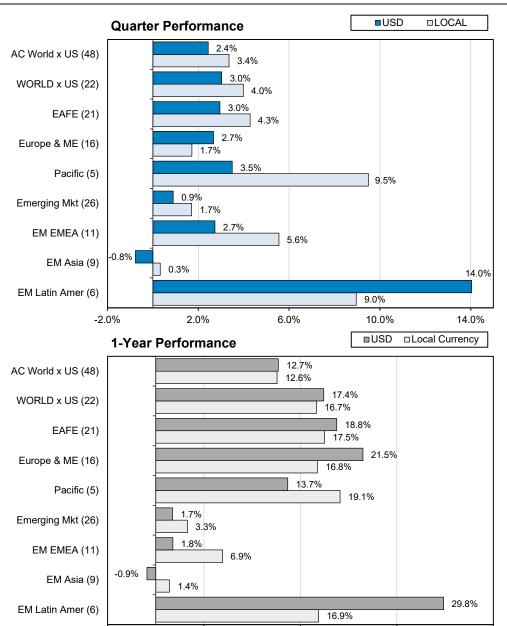
Bottom 10 Performing Stocks (by Quarter)					
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector	
Victoria's Secret & Co	0.0%	-49.0%	-37.7%	Consumer Discretionary	
Advance Auto Parts Inc	0.0%	-41.5%	-58.1%	Consumer Discretionary	
Tandem Diabetes Care Inc	0.0%	-39.6%	-58.5%	Health Care	
First Horizon Corp	0.0%	-35.8%	-46.6%	Financials	
Ubiquiti Inc	0.0%	-35.1%	-28.5%	Information Technology	
Catalent Inc	0.0%	-34.0%	-59.6%	Health Care	
Concentrix Corp Ordinary Shares	0.0%	-33.4%	-39.9%	Industrials	
MarketAxess Holdings Inc	0.0%	-33.0%	3.1%	Financials	
Mercury Systems Inc	0.0%	-32.3%	-46.2%	Industrials	
Peloton Interactive Inc	0.0%	-32.2%	-16.2%	Consumer Discretionary	

Bottom 10 Performing Stocks (by Quarter)					
Russell 2000	1-Year Return	Sector			
Babylon Holdings Ltd Ordinary Shares	0.0%	-98.6%	-99.7%	Health Care	
ViewRay Inc	0.0%	-89.8%	-86.7%	Health Care	
Rain Oncology Inc	0.0%	-86.3%	-78.4%	Health Care	
FibroGen Inc	0.0%	-85.5%	-74.4%	Health Care	
HomeStreet Inc	0.0%	-66.6%	-82.0%	Financials	
BioXcel Therapeutics Inc	0.0%	-64.3%	-49.5%	Health Care	
Orchestra BioMed Holdings Inc	0.0%	-64.2%	N/A	Health Care	
PolyMet Mining Corp	0.0%	-63.2%	-68.6%	Materials	
Enviva Inc	0.0%	-62.4%	-80.1%	Energy	
NanoString Technologies Inc	0.0%	-59.1%	-68.1%	Health Care	

Source: Morningstar Direct



- Many of the international developed and emerging market benchmarks posted positive performance in both USD and LCL terms for the second quarter. While the strengthening of the USD chilled non-US index performance in USD during the quarter, the developed market MSCI EAFE Index still returned a solid 3.0% in USD and 4.3% in LCL terms for the period. The MSCI Emerging Markets Index rose by 0.9% in USD and 1.7% in LCL terms.
- Latin America (LATAM) dramatically outpaced other emerging markets for the quarter with the regional index earning a solid 14.0% in USD and 9.0% in LCL terms. Performance in the region was driven by strong demand for commodity exports from growing worldwide production along with a USD performance boost due to local currency strength in the region.
- The largest weighted country in the emerging market index (China, 8.2%) lagged during the quarters. Investors have struggled to accurately forecast the pace of China's recovery after its grand economic reopening from COVID-19 lockdowns, which led to a flurry of spending that has since cooled.
- Much like domestic markets, trailing one-year results for international developed and emerging markets rolled off their poor performance from early 2022 which resulted in strong results for the trailing year. Much of the strong USD performance in late 2022 has been reversed in 2023 with the MSCI EAFE Index returning 18.8% in USD for the year and 17.5% in LCL terms.
- Annual returns across emerging markets were more bifurcated. Latin American results led the way with returns of 29.8% in USD and 16.9% in LC terms. Performance in the EM Asia regional benchmark detracted from emerging market index with the EM Asia Index posting returns of -0.9% in USD and 1.4% in LCL terms. As a result, the broad MSCI Emerging Markets Index returned a muted 1.7% in USD and 3.3% in LCL terms for the year.



5.0%

-5.0%

15.0%

25.0%

Source: MSCI Global Index Monitor (Returns are Net)



35.0%

MSCI - EAFE	Sector Weight	Quarter Return	1-Year Return
Communication Services	4.1%	-2.6%	2.2%
Consumer Discretionary	12.6%	5.0%	30.6%
Consumer Staples	10.1%	-0.6%	9.9%
Energy	4.2%	0.1%	14.3%
Financials	18.3%	4.6%	20.2%
Health Care	13.2%	2.0%	9.8%
Industrials	16.2%	6.2%	29.6%
Information Technology	8.2%	5.9%	32.7%
Materials	7.4%	-1.7%	16.4%
Real Estate	2.3%	-2.0%	-7.4%
Utilities	3.5%	4.0%	16.5%
Total	100.0%	3.0%	18.8%

MSCI - ACWIXUS	Sector Weight	Quarter Return	1-Year Return
Communication Services	5.5%	-4.6%	-0.7%
Consumer Discretionary	12.1%	1.5%	12.6%
Consumer Staples	8.6%	-0.4%	9.0%
Energy	5.4%	3.4%	9.4%
Financials	20.6%	4.9%	13.2%
Health Care	9.6%	1.5%	7.4%
Industrials	13.2%	5.4%	24.9%
Information Technology	11.9%	6.1%	24.1%
Materials	7.9%	-2.7%	10.7%
Real Estate	2.0%	-2.5%	-9.5%
Utilities	3.2%	3.7%	7.8%
Total	100.0%	2.4%	12.7%

MSCI - Emerging Mkt	Sector Weight	Quarter Return	1-Year Return
Communication Services	9.8%	-6.8%	-3.6%
Consumer Discretionary	13.2%	-6.3%	-15.3%
Consumer Staples	6.4%	0.3%	4.4%
Energy	5.0%	12.1%	13.5%
Financials	21.9%	5.7%	6.4%
Health Care	3.8%	-2.5%	-9.6%
Industrials	6.3%	1.8%	5.3%
Information Technology	21.2%	5.1%	14.1%
Materials	8.1%	-4.2%	1.8%
Real Estate	1.8%	-4.9%	-17.7%
Utilities	2.6%	4.2%	-6.7%
Total	100.0%	0.9%	1.7%

	MSCI-EAFE	MSCI-ACWIxUS	Quarter	1- Year
Country	Weight	Weight	Return	Return
Japan	22.4%	14.5%	6.4%	18.1%
United Kingdom	14.7%	9.5%	2.2%	13.2%
France	12.4%	8.0%	3.2%	31.7%
Switzerland	10.1%	6.5%	4.0%	13.3%
Germany	8.6%	5.6%	2.8%	28.4%
Australia	7.3%	4.7%	0.3%	11.2%
Netherlands	4.6%	3.0%	4.1%	31.2%
Sweden	3.3%	2.1%	-1.2%	16.6%
Denmark	3.1%	2.0%	1.7%	31.9%
Spain	2.6%	1.7%	5.6%	29.0%
Italy	2.5%	1.6%	8.2%	43.4%
Hong Kong	2.5%	1.6%	-5.1%	-9.0%
Singapore	1.4%	0.9%	-5.6%	10.0%
Belgium	0.9%	0.6%	-6.1%	6.1%
Finland	0.9%	0.6%	-8.1%	-1.2%
Ireland	0.8%	0.5%	4.3%	45.3%
Norway	0.6%	0.5%	-1.0%	-9.0%
,				
Israel	0.6%	0.4%	-4.0%	-4.7%
Portugal	0.2%	0.1%	-1.1%	6.7%
New Zealand	0.2%	0.1%	-6.0%	15.5%
Austria	0.2%	0.1%	4.4%	18.9%
Total EAFE Countries	100.0%	64.6%	3.0%	18.8%
Canada		7.6%	3.7%	7.0%
Total Developed Countries		72.2%	3.0%	17.4%
China		8.2%	-9.7%	-16.8%
Taiwan		4.3%	4.5%	12.5%
India		4.1%	12.2%	14.2%
Korea		3.4%	4.4%	13.0%
Brazil		1.5%	20.7%	29.8%
Saudi Arabia		1.2%	6.3%	-1.7%
South Africa		0.9%	-4.9%	-1.9%
Mexico		0.8%	5.6%	35.1%
Indonesia		0.6%	2.8%	13.2%
Thailand		0.5%	-8.2%	1.7%
Malaysia		0.4%	-8.4%	-6.4%
United Arab Emirates		0.4%	5.8%	-6.1%
Qatar		0.3%	-2.4%	-15.4%
Poland		0.2%	24.5%	36.4%
Kuwait		0.2%	-0.9%	-4.7%
Philippines		0.2%	-1.3%	5.8%
Chile		0.2%	2.4%	18.1%
Turkey		0.2%	-10.7%	53.3%
Greece		0.1%	23.9%	71.3%
Peru		0.1%	6.5%	34.0%
Hungary		0.1%	24.8%	48.8%
Czech Republic		0.0%	-5.1%	8.7%
Colombia		0.0%	11.7%	-5.7%
Egypt		0.0%	3.9%	27.0%
Total Emerging Countries		27.8%	0.9%	1.7%
Total ACWIxUS Countries		100.0%	2.4%	12.7%

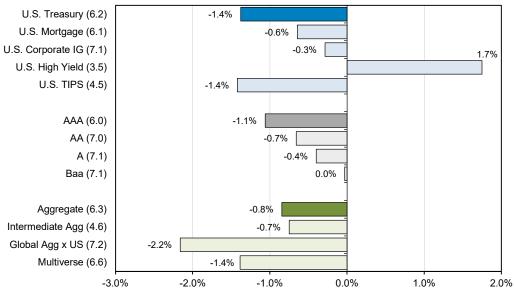
Source: Morningstar Direct, MSCI Global Index Monitor (Returns are Net in USD)

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

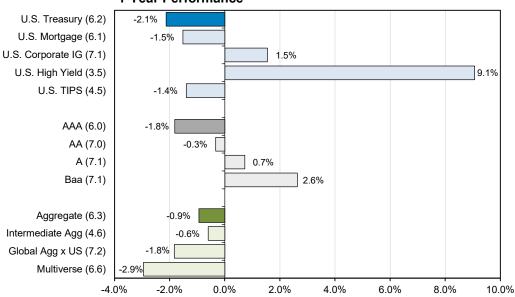


- Fixed income markets started 2023 strong but performance stalled during the second quarter. Yields remain elevated on the back of the Federal Reserve's decision to hike policy rates an additional 0.25% in May. After a challenging 2022 in fixed-income markets brought on by the largest and most rapid increase in interest rates since the early 1980s, higher yields and an expected slower pace of rate increase led investors to expect better outcomes in 2023. That expectation was at least temporarily frustrated during the second quarter, as the quarter's 0.25% rate hike and increased expectations for future rate hikes weighed on the asset class and many of the major domestic fixed-income indices posted negative absolute returns.
- The Bloomberg US Aggregate Bond Index, the bellwether US investment grade benchmark, returned a mild negative result, returning -0.8% for the quarter. Performance across the investment grade index's segments soured during the period with the Bloomberg US Corporate Investment Grade Index returning -0.3% and the US Mortgage Index sliding -0.6%.
- Outside of the aggregate index's sub-components, high-yield bonds continued to rise with a return of 1.7% as credit spreads narrowed during the quarter. US TIPS lost -1.4% for the quarter. The Bloomberg Global Aggregate ex-US Index lagged most domestic fixed-income indexes and the multiverse benchmark, posting a loss of -2.2% for the quarter.
- Over the trailing one-year period, the Bloomberg US Aggregate Bond Index declined by -0.9%. The benchmark's sub-components fell in a narrow band above and below the broad index's return. US TIPS, which are excluded from the aggregate index, dropped by -1.4% for the year. High-yield corporate bonds, which have a much shorter duration, have outpaced their investment grade counterparts with the Bloomberg US High Yield Index returning a strong 9.1% for the last year.
- Performance for non-US bonds was also negative for the year with the Bloomberg Global Aggregate ex-US Index falling by -1.8%. The combination of rising interest rates, elevated inflation, and geopolitical risks were a hindrance for non-US index performance.





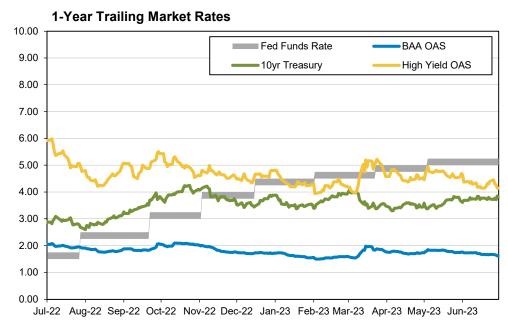
1-Year Performance

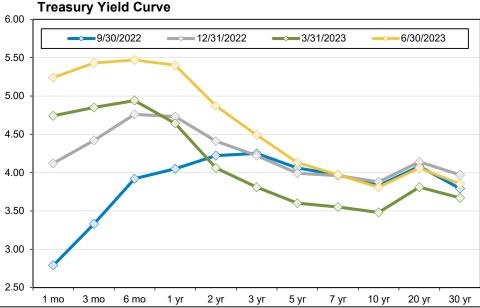


Source: Bloomberg



- The gray band across the graph illustrates the range of the current Fed Funds target rate. During the second quarter, the Federal Open Market Committee (FOMC) raised the lower end of its target rate range from 4.75% to 5.00% at their May meeting. While the FOMC pushed pause on a rate increase at their June meeting, several speeches and public comments since that meeting have made it clear that additional rate hikes should not be ruled out. The FOMC is continuing its policy of removing liquidity from the market by allowing bonds held on its balance sheet to mature without reinvesting those proceeds. Despite the potential for further rate increases, market participants appear to believe the Fed may be nearing the end of its rate hiking cycle.
- The yield on the US 10-year Treasury (green line) rose a modest 0.33% partially due to increases in the policy rate and renewed prospects for future growth. The closing yield on the 10-Year Treasury was 3.81% as of June 30, 2023, down just 7 basis points from its 3.88% yield at year-end. The benchmark's rate peaked in October 2022, cresting at just over 4.00% before pulling back to its current level.
- The blue line illustrates changes in the BAA OAS (Option Adjusted Spread) for BAA-rated corporate bonds. This measure quantifies the additional yield premium that investors require to purchase and hold non-US Treasury investment grade issues with the lowest investment grade rating. For the full year, the spread has narrowed from 2.05% to 1.62%, signaling a lower premium for credit risk than was the case a year prior. High Yield OAS spreads have narrowed from 5.92% in July 2022 to 4.14% as of the end of Q2. High-yield spreads reached their highs in July 2022 before trading lower the remainder of the year and have continued to tighten in 2023. A spike in both the BAA OAS and High Yield spreads is visible in March following a short-lived crisis of confidence in the banking sector, which was addressed quickly by the FDIC and supported further by the Fed's aggressive short-term par loan program. Both spread measures traded lower on the news of the Government's intervention, and as fears of possible contagion waned, credit spreads returned to their levels prior to February.
- 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 second quarter as the Fed increased interest rates to continue combatting inflation. Despite these short-term rate increases, at the end of the quarter, both intermediate and longer-term yields were slightly lower than they were at the end of 2022. The yield curve has further inverted (short-term rates higher than long-term rates) between two- and 10-year maturities. Historically, a persistent inversion of these two key rates has been a precursor of an economic recession within six- to 24 months.





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



Page Intentionally Left Blank

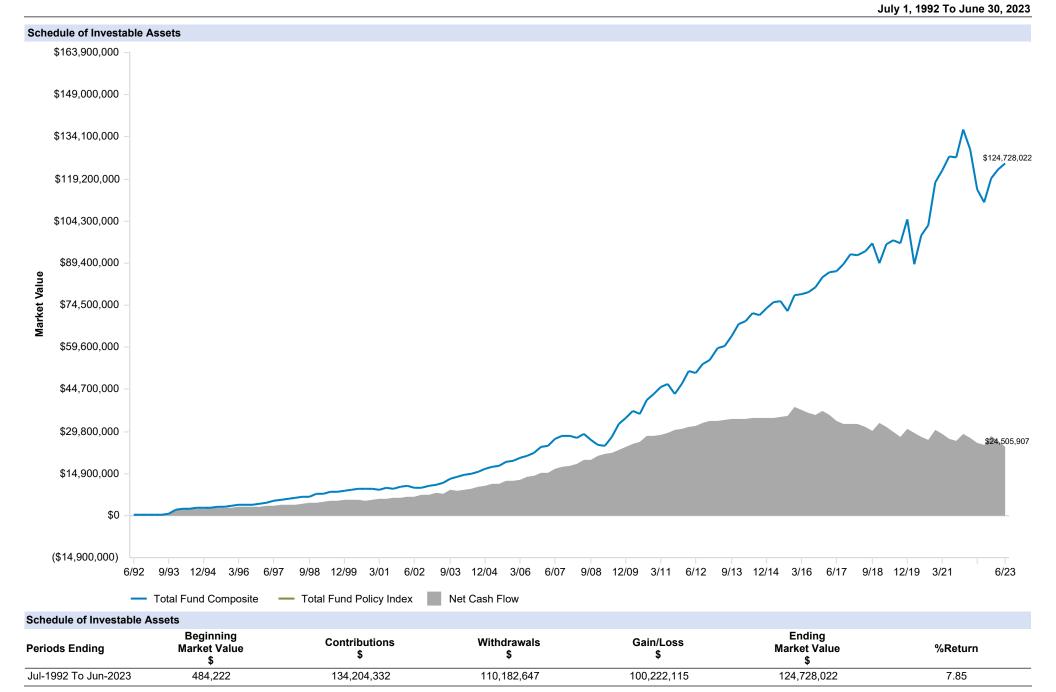


Total Fund Compliance:	Yes	No	N/A
The total plan return equaled or exceeded the total plan benchmark over the trailing three year period.	•		
The total plan return equaled or exceeded the total plan benchmark over the trailing five year period.		•	
The total plan return of the fund over the trailing 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.			•
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.	•		

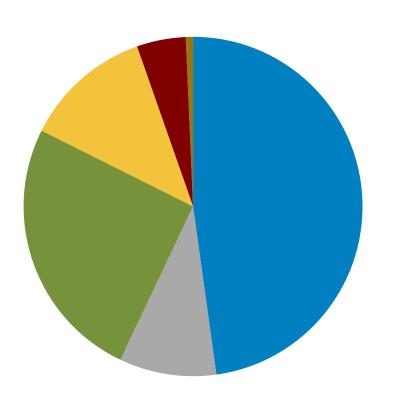


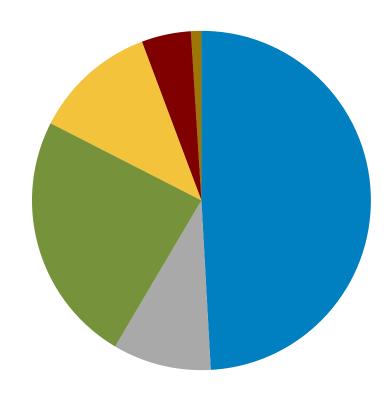




Asset Allocation By Segment as of March 31, 2023 : \$122,713,383

Asset Allocation By Segment as of June 30, 2023 : \$124,728,022



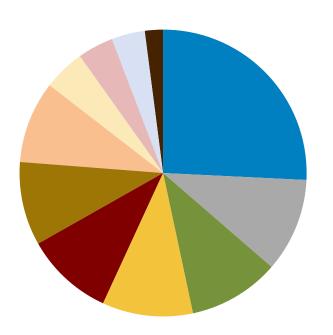


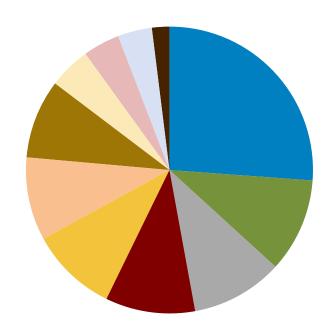
ocation					
Segments	Market Value	Allocation	Segments	Market Value	Allocation
■ Domestic Equity	58,659,234	47.8	Domestic Equity	61,273,216	49.1
International Equity	11,350,185	9.2	International Equity	11,703,474	9.4
■ Domestic Fixed Income	31,070,188	25.3	Domestic Fixed Income	29,947,316	24.0
Real Estate	15,043,956	12.3	Real Estate	14,675,483	11.8
■ Real Return	5,735,985	4.7	Real Return	5,880,854	4.7
Cash Equivalent	853,835	0.7	Cash Equivalent	1,247,679	1.0



Asset Allocation By Manager as of Mar-2023 : \$122,713,383

Asset Allocation By Manager as of Jun-2023 : \$124,728,022

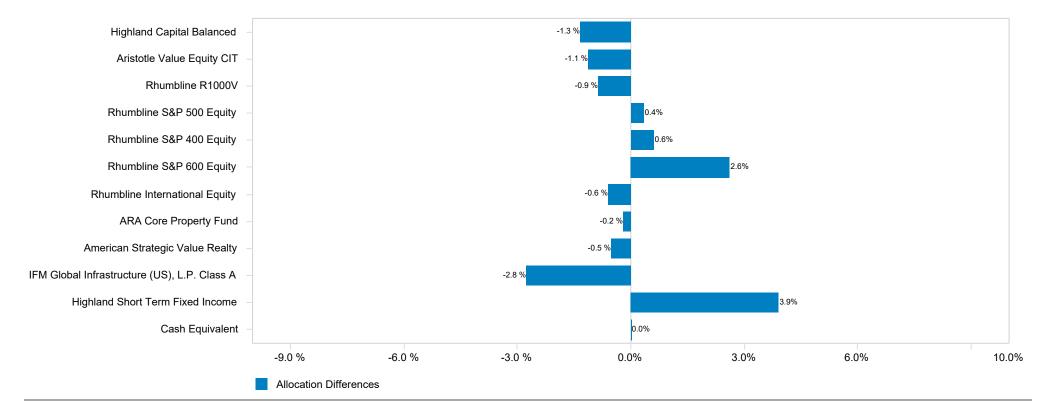




ocation			Allocation		
	Market Value	Allocation		Market Value	Allocation
■ Highland Capital Balanced	31,621,929	25.8	■ Highland Capital Balanced	32,622,731	26.2
■ Rhumbline S&P 500 Equity	12,999,464	10.6	■ Rhumbline S&P 400 Equity	13,243,667	10.6
■ Rhumbline S&P 400 Equity	12,632,501	10.3	■ Rhumbline S&P 500 Equity	12,914,551	10.4
ARA Core Property Fund	12,532,756	10.2	■ Rhumbline S&P 600 Equity	12,607,845	10.1
■ Rhumbline S&P 600 Equity	12,194,716	9.9	ARA Core Property Fund	12,220,932	9.8
■ Highland Short Term Fixed Income	11,565,281	9.4	Rhumbline International Equity	11,703,474	9.4
Rhumbline International Equity	11,350,185	9.2	Highland Short Term Fixed Income	11,107,252	8.9
■ IFM Global Infrastructure (US), L.P. Class A	5,735,985	4.7	IFM Global Infrastructure (US), L.P. Class A	5,880,854	4.7
Rhumbline R1000V	4,952,798	4.0	■ Rhumbline R1000V	5,153,775	4.1
Aristotle Value Equity CIT	4,612,888	3.8	Aristotle Value Equity CIT	4,814,557	3.9
■ American Strategic Value Realty	2,511,200	2.0	American Strategic Value Realty	2,454,552	2.0
Cash Equivalent	3,680	0.0	Cash Equivalent	3,832	0.0

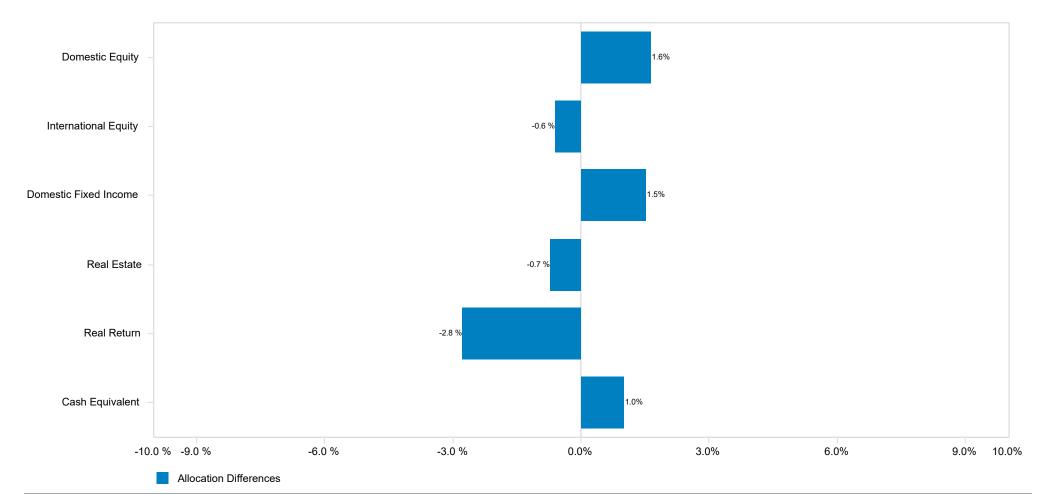


	Asset Allocation \$	Current Allocation (%)	Target Allocation (%)	Differences (%)	Target Rebal (\$000)
Total Fund Composite	124,728,022	100.0	100.0	0.0	-
Highland Capital Balanced	32,622,731	26.2	27.5	-1.3	1,677,475
Aristotle Value Equity CIT	4,814,557	3.9	5.0	-1.1	1,421,844
Rhumbline R1000V	5,153,775	4.1	5.0	-0.9	1,082,626
Rhumbline S&P 500 Equity	12,914,551	10.4	10.0	0.4	-441,749
Rhumbline S&P 400 Equity	13,243,667	10.6	10.0	0.6	-770,865
Rhumbline S&P 600 Equity	12,607,845	10.1	7.5	2.6	-3,253,243
Rhumbline International Equity	11,703,474	9.4	10.0	-0.6	769,328
ARA Core Property Fund	12,220,932	9.8	10.0	-0.2	251,871
American Strategic Value Realty	2,454,552	2.0	2.5	-0.5	663,649
FM Global Infrastructure (US), L.P. Class A	5,880,854	4.7	7.5	-2.8	3,473,747
Highland Short Term Fixed Income	11,107,252	8.9	5.0	3.9	-4,870,851
Cash Equivalent	3,832	0.0	0.0	0.0	-3,832





Asset Allocation Compliance	•				
	Asset Allocation \$	Current Allocation (%)	Target Allocation (%)	Differences (%)	Target Rebal. (\$000)
Domestic Equity	61,273,216	49.1	47.5	1.6	-2,027,406
nternational Equity	11,703,474	9.4	10.0	-0.6	769,328
Oomestic Fixed Income	29,947,316	24.0	22.5	1.5	-1,883,511
teal Estate	14,675,483	11.8	12.5	-0.7	915,520
Real Return	5,880,854	4.7	7.5	-2.8	3,473,747
Cash Equivalent	1,247,679	1.0	0.0	1.0	-1,247,679
otal Fund	124,728,022	100.0	100.0	0.0	-





1 Quarter Ending June 30, 2023

Financial Reconciliation Quarter to Date									
	Market Value 04/01/2023	Net Transfers	Contributions	Distributions	Management Fees	Other Expenses	Income	Apprec./ Deprec.	Market Value 06/30/2023
Total Fund Composite	122,713,383	-	6,755	-2,075,000	-48,190	-6,750	653,979	3,483,844	124,728,022
Total Equity									
Rhumbline R1000V	4,952,798	-	501	-	-501	-	28,480	172,496	5,153,775
Rhumbline S&P 500 Equity	12,999,464	-	1,619	-1,175,000	-1,619	-	52,807	1,037,280	12,914,551
Rhumbline S&P 400 Equity	12,632,501	-	1,580	-	-1,580	-	56,063	555,102	13,243,667
Rhumbline S&P 600 Equity	12,194,716	-	1,505	-	-1,505	-	58,377	354,752	12,607,845
Aristotle Value Equity CIT	4,612,888	-	-	-	-	-	-	201,669	4,814,557
Rhumbline International Equity	11,350,185	-	1,441	-	-1,441	-	143,241	210,048	11,703,474
Total Balanced									
Highland Capital Balanced	31,621,929	-	-	-400,000	-	-6,030	180,166	1,226,667	32,622,731
Total Fixed Income									
Highland Short Term Fixed Income	11,565,281	-	-	-500,000	-	-720	43,174	-484	11,107,252
Total Real Estate									
ARA Core Property Fund	12,532,756	-	-	-	-33,700	-	91,627	-369,752	12,220,932
American Strategic Value Realty	2,511,200	-	-	-	-7,844	-	-	-48,805	2,454,552
Total Infrastructure									
IFM Global Infrastructure (US), L.P. Class A	5,735,985	-	-	-	-	-	-	144,869	5,880,854
Total Cash									
Cash Equivalent	3,680	-	109	-	-	-	43	-	3,832



596

otal Fund Composite otal Equity Rhumbline R1000V	10/01/2022 110,974,905	Transfers -	4,179,476	-4,515,000	Fees	Expenses			
				-4,515,000	-107,715	-20,250	1,736,425	Deprec. 12,480,180	06/30/2023 124,728,022
	4 262 0E0		1,498		-1,498		58,028	733,688	E 1E0 77E
	4,362,059	-	•	4 575 000	,	-	*	,	5,153,775
Rhumbline S&P 500 Equity	11,609,739	-	4,814	-1,575,000	-4,814	-	109,166	2,770,647	12,914,551
Rhumbline S&P 400 Equity	11,333,897	-	4,802	-400,000	-4,802	-	111,392	2,198,378	13,243,667
Rhumbline S&P 600 Equity	11,109,989	-	4,680	-240,000	-4,680	-	117,672	1,620,184	12,607,845
ristotle Value Equity CIT	4,026,426	-	-	-	-	-	-	788,132	4,814,557
Rhumbline International Equity	8,926,545	-	4,109	-	-4,109	-	241,035	2,535,894	11,703,474
otal Balanced									
lighland Capital Balanced	30,651,867	-4,159,149	4,159,149	-1,800,000	-	-18,311	544,499	3,244,677	32,622,731
otal Fixed Income									
lighland Short Term Fixed Income	7,492,134	3,798,149	-	-500,000	-	-1,939	214,513	104,395	11,107,252
otal Real Estate									
ARA Core Property Fund	13,776,165	-	-	-	-104,091	-	324,765	-1,775,907	12,220,932
American Strategic Value Realty	2,080,097	576,000	-	-	16,280	-	14,760	-232,585	2,454,552
otal Infrastructure									
FM Global Infrastructure (US), L.P. Class A	5,388,176	-	-	-	-	-	-	492,679	5,880,854

424



3,832

Cash Equivalent

217,812

-215,000

Asset Allocation & Performance												
	Allocation	n					Perfo	mance(%)				
	Market Value \$	%	QTR	FYTD	1 YR	3 YR	5 YR	7 YR	10 YR	15 YR	Inception	Inception Date
Total Fund Composite	124,728,022	100.0	3.42 (33)	12.84 (62)	9.17 (42)	8.94 (24)	7.21 (26)	8.50 (19)	8.49 (9)	8.01 (3)	7.87 (49)	11/01/1994
Total Fund Policy Index			3.11 (48)	14.21 (43)	9.36 (38)	8.88 (25)	7.54 (15)	8.65 (14)	8.53 (7)	7.92 (4)	8.47 (12)	
Difference			0.31	-1.37	-0.19	0.06	-0.33	-0.15	-0.04	0.09	-0.60	
All Public Plans-Total Fund Median			3.06	13.72	8.84	7.79	6.64	7.66	7.39	6.79	7.86	
Total Equity Composite	72,976,690	58.5	6.30	23.66	17.72	13.26	9.30	11.47	11.09	9.86	6.77	07/01/2000
Total Equity Policy Index			6.32	24.48	18.04	14.06	9.93	12.05	11.47	9.90	6.79	
Difference			-0.02	-0.82	-0.32	-0.80	-0.63	-0.58	-0.38	-0.04	-0.02	
Total Domestic Equity												
Rhumbline R1000V	5,153,775	4.1	4.06 (54)	18.15 (64)	11.52 (63)	N/A	N/A	N/A	N/A	N/A	0.53 (64)	03/01/2022
Russell 1000 Value Index			4.07 (54)	18.18 (63)	11.54 (63)	14.30 (72)	8.11 (79)	8.94 (90)	9.22 (86)	8.36 (90)	0.51 (64)	
Difference			-0.01	-0.03	-0.02	N/A	N/A	N/A	N/A	N/A	0.02	
IM U.S. Large Cap Value Equity (SA+CF) Median			4.27	19.11	12.62	15.64	9.43	10.74	10.26	9.59	1.26	
Rhumbline S&P 500 Equity	12,914,551	10.4	8.72 (38)	25.70 (41)	19.56 (40)	14.55 (41)	12.28 (36)	13.36 (44)	12.83 (42)	10.90 (45)	7.10 (78)	07/01/2000
S&P 500 Index			8.74 (36)	25.73 (38)	19.59 (38)	14.60 (38)	12.31 (33)	13.38 (41)	12.86 (40)	10.88 (48)	7.01 (87)	
Difference			-0.02	-0.03	-0.03	-0.05	-0.03	-0.02	-0.03	0.02	0.09	
IM U.S. Large Cap Equity (SA+CF) Median			7.91	24.55	18.58	14.11	11.46	12.94	12.51	10.83	7.89	
Rhumbline S&P 400 Equity	13,243,667	10.6	4.84 (62)	20.56 (57)	17.57 (47)	15.41 (39)	7.77 (74)	10.05 (76)	10.19 (71)	9.81 (67)	9.75 (75)	01/01/2004
S&P MidCap 400 Index			4.85 (60)	20.58 (55)	17.61 (45)	15.44 (36)	7.79 (73)	10.07 (74)	10.21 (70)	9.78 (73)	9.70 (80)	
Difference			-0.01	-0.02	-0.04	-0.03	-0.02	-0.02	-0.02	0.03	0.05	
IM U.S. Mid Cap Equity (SA+CF) Median			5.15	20.82	17.39	14.16	9.31	11.27	10.93	10.30	10.28	
Rhumbline S&P 600 Equity	12,607,845	10.1	3.39 (76)	15.74 (69)	9.74 (83)	15.14 (47)	5.21 (78)	9.62 (68)	9.80 (57)	9.81 (64)	9.44 (63)	01/01/2004
S&P SmallCap 600 Index			3.38 (77)	15.78 (69)	9.75 (83)	15.19 (46)	5.22 (77)	9.63 (68)	9.81 (57)	9.85 (61)	9.40 (64)	
Difference			0.01	-0.04	-0.01	-0.05	-0.01	-0.01	-0.01	-0.04	0.04	
IM U.S. Small Cap Equity (SA+CF) Median			5.01	18.16	15.31	14.62	7.01	10.62	10.19	10.27	9.83	
Aristotle Value Equity CIT	4,814,557	3.9	4.37 (47)	19.57 (45)	13.31 (44)	N/A	N/A	N/A	N/A	N/A	-2.18 (89)	02/01/2022
Russell 1000 Value Index			4.07 (54)	18.18 (63)	11.54 (63)	14.30 (72)	8.11 (79)	8.94 (90)	9.22 (86)	8.36 (90)	-0.34 (66)	
Difference			0.30	1.39	1.77	N/A	N/A	N/A	N/A	N/A	-1.84	
IM U.S. Large Cap Value Equity (SA+CF) Median			4.27	19.11	12.62	15.64	9.43	10.74	10.26	9.59	0.26	



	Allocatio	n					Perfor	mance(%)				
	Market Value \$	%	QTR	FYTD	1 YR	3 YR	5 YR	7 YR	10 YR	15 YR	Inception	Inception Date
Highland Capital LCG	12,538,821	10.1	13.26 (29)	31.65 (36)	29.01 (21)	12.94 (35)	13.86 (35)	15.94 (41)	14.25 (60)	12.52 (35)	10.65 (59)	10/01/2007
Russell 1000 Growth Index Difference			12.81 (36) 0.45	31.85 (36) -0.20	27.11 (33) 1.90	13.73 (21) -0.79	15.14 (17) -1.28	16.91 (19) -0.97	15.74 (19) -1.49	12.92 (21) -0.40	11.54 (20) -0.89	
IM U.S. Large Cap Growth Equity (SA+CF) Median			11.75	29.70	25.20	11.64	13.20	15.35	14.67	12.17	10.84	
International Equity												
Rhumbline International Equity	11,703,474	9.4	3.11 (44)	31.11 (33)	18.90 (33)	9.19 (44)	4.63 (50)	N/A	N/A	N/A	6.19 (65)	08/01/2016
MSCI EAFE Index			3.22 (40)	31.64 (29)	19.41 (29)	9.48 (41)	4.90 (43)	7.40 (51)	5.91 (65)	3.85 (79)	6.72 (50)	
Difference			-0.11	-0.53	-0.51	-0.29	-0.27	N/A	N/A	N/A	-0.53	
IM International Equity (SA+CF) Median			2.88	28.19	16.55	8.66	4.59	7.40	6.35	5.04	6.71	
Total Fixed Income (Not Including Highland Cash)	29,947,316	24.0	-0.12	3.35	0.12	-2.65	1.17	0.84	1.75	2.79	4.49	04/01/1994
Total Fixed Inc Policy Index			-0.79	3.51	-0.66	-3.32	0.94	0.55	1.54	2.66	4.49	
Difference			0.67	-0.16	0.78	0.67	0.23	0.29	0.21	0.13	0.00	
Domestic Fixed Income												
Highland Capital Fixed Income (Including Cash)	18,983,611	15.2	-0.40 (13)	3.46 (92)	-0.62 (57)	-2.60 (15)	1.42 (29)	1.04 (40)	1.94 (53)	2.92 (78)	4.56 (89)	04/01/1994
Blmbg. U.S. Aggregate Index			-0.84 (79)	4.00 (72)	-0.94 (82)	-3.97 (89)	0.77 (96)	0.44 (97)	1.52 (96)	2.73 (94)	4.52 (94)	
Difference			0.44	-0.54	0.32	1.37	0.65	0.60	0.42	0.19	0.04	
IM U.S. Broad Market Core FI (SA+CF)			-0.72	4.22	-0.41	-3.43	1.20	0.94	1.96	3.29	4.88	
Highland Short Term Fixed Income	11,107,252	8.9	0.38 (22)	2.93 (34)	1.99 (31)	-0.17 (46)	N/A	N/A	N/A	N/A	0.42 (89)	07/01/2019
ICE BofAML 1-3 Year Treasury			-0.57 (97)	1.71 (99)	0.13 (95)	-1.04 (91)	0.95 (100)	0.67 (100)	0.77 (100)	1.14 (100)	0.21 (97)	
Difference			0.95	1.22	1.86	0.87	N/A	N/A	N/A	N/A	0.21	
IM U.S. Short Duration FI (SA+CF)			0.03	2.69	1.51	-0.20	1.58	1.34	1.45	2.01	0.87	



	Allocation	n					Perfor	mance(%)				
	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 NCREIF Fund ODCE (EW) Difference IM U.S. Private Real Estate (SA+CF) Median	12,220,932	9.8	-2.22 (68) -2.86 (71) 0.64 -1.80	-10.55 (69) -10.68 (70) 0.13 -10.33	-9.07 (41) -9.82 (50) 0.75 -9.86	8.45 (36) 8.48 (33) -0.03 8.17	7.21 (32) 6.96 (51) 0.25 6.97	7.39 (48) 7.36 (50) 0.03 7.35	8.87 (62) 9.02 (58) -0.15 9.23	N/A 5.70 (63) N/A 6.19	9.09 (57) 9.27 (55) -0.18 9.41	07/01/2012
American Strategic Value Realty NCREIF Fund ODCE (EW) Difference IM U.S. Private Real Estate (SA+CF) Median	2,454,552	2.0	-1.94 (55) -2.86 (71) 0.92 -1.80	-8.76 (36) -10.68 (70) 1.92 -10.33	-7.26 (24) -9.82 (50) 2.56 -9.86	N/A 8.48 (33) N/A 8.17	N/A 6.96 (51) N/A 6.97	N/A 7.36 (50) N/A 7.35	N/A 9.02 (58) N/A 9.23	N/A 5.70 (63) N/A 6.19	8.19 (35) 8.30 (34) -0.11 6.95	07/01/2021
Real Return												
IFM Global Infrastructure (US), L.P. Class A	5,880,854	4.7	2.53	9.14	9.60	N/A	N/A	N/A	N/A	N/A	10.79	12/01/2021
S&P Global Infrastructure			-0.12	15.27	4.17	10.65	5.31	5.83	6.67	4.47	6.51	
Difference			2.65	-6.13	5.43	N/A	N/A	N/A	N/A	N/A	4.28	
Highland Capital Balanced Cash	1,100,300	0.9	0.84	2.76	3.19	1.10	1.38	1.18	N/A	N/A	1.11	01/01/2016
Cash Equivalent	3,832	0.0										



	Allocatio	n					Perform	mance(%)				
	Market	///					1 611011	nance(70)				
	Value \$	%	QTR	FYTD	1 YR	3 YR	5 YR	7 YR	10 YR	15 YR	Inception	Inception Date
Total Fund Composite	124,728,022	100.0	3.38	12.74	9.00	8.70	6.97	8.28	8.27	7.77	7.60	11/01/1994
Total Fund Policy Index			3.11	14.21	9.36	8.88	7.54	8.65	8.53	7.92	8.47	
Difference			0.27	-1.47	-0.36	-0.18	-0.57	-0.37	-0.26	-0.15	-0.87	
Total Equity Composite	72,976,690	58.5	6.30	23.66	17.72	13.26	9.30	11.47	11.09	9.86	6.77	07/01/2000
Total Equity Policy Index	, ,		6.32	24.48	18.04	14.06	9.93	12.05	11.47	9.90	6.79	
Difference			-0.02	-0.82	-0.32	-0.80	-0.63	-0.58	-0.38	-0.04	-0.02	
Total Domestic Equity												
Rhumbline R1000V	5,153,775	4.1	4.05	18.11	11.47	N/A	N/A	N/A	N/A	N/A	0.49	03/01/2022
Russell 1000 Value Index			4.07	18.18	11.54	14.30	8.11	8.94	9.22	8.36	0.51	
Difference			-0.02	-0.07	-0.07	N/A	N/A	N/A	N/A	N/A	-0.02	
Rhumbline S&P 500 Equity	12,914,551	10.4	8.71	25.65	19.50	14.50	12.23	13.30	12.77	10.80	6.99	07/01/2000
S&P 500 Index			8.74	25.73	19.59	14.60	12.31	13.38	12.86	10.88	7.01	
Difference			-0.03	-0.08	-0.09	-0.10	-0.08	-0.08	-0.09	-0.08	-0.02	
Rhumbline S&P 400 Equity	13,243,667	10.6	4.83	20.51	17.51	15.35	7.72	10.00	10.14	9.78	9.72	01/01/2004
S&P MidCap 400 Index			4.85	20.58	17.61	15.44	7.79	10.07	10.21	9.78	9.70	
Difference			-0.02	-0.07	-0.10	-0.09	-0.07	-0.07	-0.07	0.00	0.02	
Rhumbline S&P 600 Equity	12,607,845	10.1	3.38	15.70	9.69	15.08	5.16	9.56	9.75	9.77	9.42	01/01/2004
S&P SmallCap 600 Index			3.38	15.78	9.75	15.19	5.22	9.63	9.81	9.85	9.40	
Difference			0.00	-0.08	-0.06	-0.11	-0.06	-0.07	-0.06	-0.08	0.02	
Aristotle Value Equity CIT	4,814,557	3.9	4.37	19.57	13.31	N/A	N/A	N/A	N/A	N/A	-2.18	02/01/2022
Russell 1000 Value Index			4.07	18.18	11.54	14.30	8.11	8.94	9.22	8.36	-0.34	
Difference			0.30	1.39	1.77	N/A	N/A	N/A	N/A	N/A	-1.84	
Highland Capital LCG Equity	12,538,821	10.1	13.26	31.65	29.01	12.94	13.86	15.94	14.25	12.52	10.65	10/01/2007
Russell 1000 Growth Index			12.81	31.85	27.11	13.73	15.14	16.91	15.74	12.92	11.54	
Difference			0.45	-0.20	1.90	-0.79	-1.28	-0.97	-1.49	-0.40	-0.89	



	Allocatio	n					Perforn	nance(%)				
	Market Value \$	%	QTR	FYTD	1 YR	3 YR	5 YR	7 YR	10 YR	15 YR	Inception	Inceptior Date
International Equity												
Rhumbline International Equity	11,703,474	9.4	3.10	31.06	18.84	9.14	4.58	N/A	N/A	N/A	6.14	08/01/201
MSCI EAFE Index	,	0	3.22	31.64	19.41	9.48	4.90	7.40	5.91	3.85	6.72	00/01/201
Difference			-0.12	-0.58	-0.57	-0.34	-0.32	N/A	N/A	N/A	-0.58	
Total Fixed Income (Not Including Highalnd Cash)	29,947,316	24.0	-0.12	3.35	0.12	-2.65	1.17	0.84	1.75	2.79	4.49	04/01/199
Total Fixed Inc Policy Index			-0.79	3.51	-0.66	-3.32	0.94	0.55	1.54	2.66	4.49	
Difference			0.67	-0.16	0.78	0.67	0.23	0.29	0.21	0.13	0.00	
Domestic Fixed Income												
Highland Capital Fixed Income (Including Cash)	18,983,611	15.2	-0.40	3.46	-0.62	-2.60	1.42	1.04	1.94	2.92	4.56	04/01/1994
Blmbg. U.S. Aggregate Index			-0.84	4.00	-0.94	-3.97	0.77	0.44	1.52	2.73	4.52	
Difference			0.44	-0.54	0.32	1.37	0.65	0.60	0.42	0.19	0.04	
Highland Short Term Fixed Income	11,107,252	8.9	0.38	2.93	1.93	-0.36	N/A	N/A	N/A	N/A	0.20	07/01/201
ICE BofAML 1-3 Year Treasury			-0.57	1.71	0.13	-1.04	0.95	0.67	0.77	1.14	0.21	
Difference			0.95	1.22	1.80	0.68	N/A	N/A	N/A	N/A	-0.01	
Real Estate												
ARA Core Property Fund	12,220,932	9.8	-2.49	-11.29	-10.06	7.26	6.04	6.21	7.69	N/A	7.92	07/01/201
NCREIF Fund ODCE (EW) (Net)			-3.03	-11.18	-10.50	7.60	6.07	6.46	8.12	4.80	8.36	
Difference			0.54	-0.11	0.44	-0.34	-0.03	-0.25	-0.43	N/A	-0.44	
American Strategic Value Realty	2,454,552	2.0	-2.26	-8.05	-6.74	N/A	N/A	N/A	N/A	N/A	6.35	07/01/202
NCREIF Fund ODCE (EW) (Net)			-3.03	-11.18	-10.50	7.60	6.07	6.46	8.12	4.80	7.41	
Difference			0.77	3.13	3.76	N/A	N/A	N/A	N/A	N/A	-1.06	
Real Return												
IFM Global Infrastructure (US), L.P. Class A	5,880,854	4.7	2.53	9.14	9.60	N/A	N/A	N/A	N/A	N/A	10.79	12/01/202
S&P Global Infrastructure			-0.12	15.27	4.17	10.65	5.31	5.83	6.67	4.47	6.51	
Difference			2.65	-6.13	5.43	N/A	N/A	N/A	N/A	N/A	4.28	



	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	124,728,022	100.0	-11.25 (26)	23.01 (24)	7.73 (47)	2.38 (90)	11.27 (4)	13.60 (19)	10.94 (16)	1.46 (8)	10.95 (28)	14.75 (16)
Total Fund Policy Index			-11.47 (28)	22.00 (33)	8.15 (39)	3.81 (65)	10.59 (7)	12.80 (36)	11.83 (5)	0.81 (15)	10.35 (43)	14.21 (23)
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			-13.78	20.73	7.54	4.27	7.53	12.08	9.84	-0.88	9.93	12.49
Total Equity Composite	72,976,690	58.5	-18.87	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			-0.92	-0.78	0.17	-0.52	-0.48	-0.02	-0.94	0.62	0.21	1.31
Total Domestic Equity												
Rhumbline R1000V	5,153,775	4.1	N/A									
Russell 1000 Value Index			-11.36 (66)	35.01 (58)	-5.03 (66)	4.00 (39)	9.45 (76)	15.12 (76)	16.19 (26)	-4.42 (63)	18.89 (43)	22.30 (58)
Difference			N/A									
IM U.S. Large Cap Value Equity (SA+CF) Median			-9.56	36.98	-3.24	2.64	11.75	17.75	13.35	-3.34	18.40	23.48
Rhumbline S&P 500 Equity	12,914,551	10.4	-15.45 (51)	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)	17.91 (41)	18.61 (57)	15.43 (24)	-0.61 (57)	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			-15.37	30.82	13.73	3.41	17.33	18.87	13.39	-0.38	18.90	20.96
Rhumbline S&P 400 Equity	13,243,667	10.6	-15.25 (46)	43.59 (36)	-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 (45)		-2.16 (62)	-2.49 (79)	14.21 (53)	17.52 (53)	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	39.04	2.34	2.02	14.38	17.59	12.25	1.52	13.91	28.00
Rhumbline S&P 600 Equity	12,607,845	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)	57.64 (31)	-8.29 (69)	-9.34 (71)	19.08 (34)	21.05 (49)	18.12 (25)	3.81 (38)	5.74 (55)	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			-19.28	50.29	-1.45	-7.09	15.25	20.94	14.72	2.41	6.23	32.05
Aristotle Value Equity CIT	4,814,557	3.9	N/A									
Russell 1000 Value Index			-11.36 (66)	35.01 (58)	-5.03 (66)	4.00 (39)	9.45 (76)	15.12 (76)	16.19 (26)	-4.42 (63)	18.89 (43)	22.30 (58)
Difference			N/A									
IM U.S. Large Cap Value Equity (SA+CF) Median			-9.56	36.98	-3.24	2.64	11.75	17.75	13.35	-3.34	18.40	23.48



	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
Highland Capital LCG	12,538,821	10.1	-24.09 (46)	26.76 (55)	37.83 (29)	1.61 (71)	23.71 (60)	22 11 (24)	6.68 (94)	4.64 (37)	16.29 (71)	28.73 (7)
Russell 1000 Growth Index	12,330,021	10.1	` '	` ,	37.53 (29)	3.71 (52)	` ,	` '	13.76 (21)	3.17 (57)	19.15 (39)	19.27 (65
Difference			-1.50	-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	20.25
International Equity												
Rhumbline International Equity	11,703,474	9.4	-24.73 (39)		0.63 (69)	-1.08 (42)	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			-25.97	27.22	5.89	-2.06	2.82	20.68	9.54	-5.62	5.75	22.71
Total Fixed Income (Not Including Highland Cash)	29,947,316	24.0	-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)	18,983,611	15.2	-12.22 (6)	1.00 (21)	6.34 (89)	9.86 (85)	-1.08 (72)	0.85 (38)	6.51 (16)	2.22 (88)	3.51 (94)	-2.54 (98)
Blmbg. U.S. Aggregate Index			-14.60 (61)	-0.90 (83)		10.30 (69)		0.07 (83)	5.19 (79)	2.94 (62)	3.96 (79)	-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			-14.51	-0.05	7.52	10.42	-0.75	0.61	5.66	3.02	4.40	-1.29
Highland Short Term Fixed Income	11,107,252	8.9	-4.13 (28)	0.61 (54)	1.90 (97)	N/A						
ICE BofAML 1-3 Year Treasury			-4.86 (50)	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			0.73	0.58	-1.68	N/A						
IM U.S. Short Duration Fixed Income (SA+CF) Median			-4.88	0.67	4.07	4.84	0.68	1.07	1.91	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)		-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



	Allocation	Allocation					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	12,220,932	9.8	25.79 (18)		1.62 (49)	6.81 (50)	8.50 (61)	7.53 (56)	9.03 (88)	14.05 (64)	12.45 (72)	12.30 (70)
NCREIF Fund ODCE (EW)			22.76 (38)	15.75 (54)	1.74 (43)	6.17 (70)	8.82 (56)	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			20.19	16.09	1.58	6.80	8.93	7.88	11.39	15.54	13.17	13.35
American Strategic Value Realty	2,454,552	2.0	19.91 (58)	N/A								
NCREIF Fund ODCE (EW)	_,,		22.76 (38)	15.75 (54)	1.74 (43)	6.17 (70)	8.82 (56)	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			20.19	16.09	1.58	6.80	8.93	7.88	11.39	15.54	13.17	13.35
Real Return												
IFM Global Infrastructure (US), L.P. Class A	5,880,854	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	1,100,300	0.9	0.53	0.02	0.74	2.35	1.52	0.34	N/A	N/A	N/A	N/A
Cash Equivalent	3,832	0.0										



Asset Allocation & Performance												
	Allocatio	n						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	124,728,022	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	72,976,690	58.5	-18.87	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			-0.92	-0.78	0.17	-0.52	-0.48	-0.02	-0.94	0.62	0.21	1.31
Total Domestic Equity												
Rhumbline R1000V	5,153,775	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	12,914,551	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	13,243,667	10.6	-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	12,607,845	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	4,814,557	3.9	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	12,538,821	10.1	-24.09	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			-1.50	-0.56	0.30	-2.10	-2.59	1.17	-7.08	1.47	-2.86	9.46



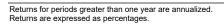
	Allocatio	n					Perform	ance(%)				
	Market Value \$	%	Oct-2021 To Sep-2022	Oct-2020 To Sep-2021	Oct-2019 To Sep-2020	Oct-2018 To Sep-2019	Oct-2017 To Sep-2018	Oct-2016 To Sep-2017	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015	Oct-2013 To Sep-2014	Oct-2012 To Sep-2013
International Equity												
Rhumbline International Equity	11,703,474	9.4	-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)	29,947,316	24.0	-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)	18,983,611	15.2	-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	11,107,252	8.9	-4.37	0.34	1.53	N/A						
ICE BofAML 1-3 Year Treasury	,,		-4.86	0.03	3.58	4.36	0.03	0.24	0.88	1.16	0.50	0.36
Difference			0.49	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



	Allocation	า					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	12,220,932	9.8	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	2,454,552	2.0	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	5,880,854	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									

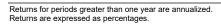


Historical Rolling	Performance				
	QTR	1 YR	3 YR	5 YR	Inception
06/30/2023	3.42	9.17	8.94	7.21	7.85
03/31/2023	3.96	-4.57	12.27	7.06	7.80
12/31/2022	4.95	-11.94	5.36	6.17	7.73
09/30/2022	-3.25	-11.25	5.56	6.03	7.63
06/30/2022	-9.60	-8.10	7.09	7.51	7.81
03/31/2022	-4.06	7.09	11.92	10.31	8.24
12/31/2021	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





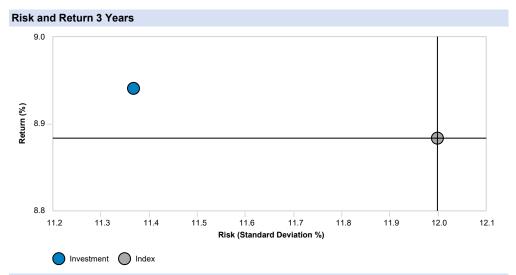
Historical Rolling F	Performance				
	QTR	1 YR	3 YR	5 YR	Inception
06/30/2023	3.11	9.36	8.88	7.54	N/A
03/31/2023	4.21	-4.64	12.72	7.41	N/A
12/31/2022	6.30	-11.48	5.50	6.48	N/A
09/30/2022	-4.25	-11.47	5.32	6.04	N/A
06/30/2022	-10.09	-7.07	7.26	7.73	N/A
03/31/2022	-3.26	8.69	12.45	10.67	N/A
12/31/2021	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

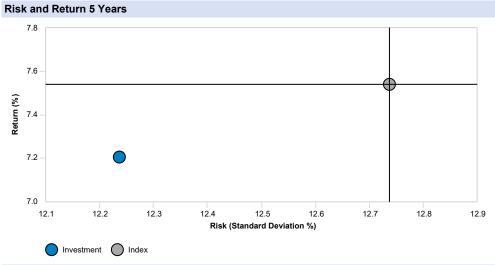


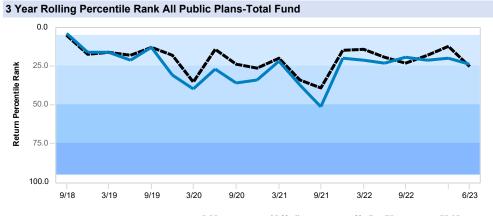


Historical Stati	stics 3 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	8.94	11.37	0.70	95.86	9	93.11	3
Index	8.88	12.00	0.66	100.00	9	100.00	3

Historical Stati	stics 5 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	7.21	12.24	0.50	96.50	15	97.16	5
Index	7.54	12.74	0.51	100.00	15	100.00	5





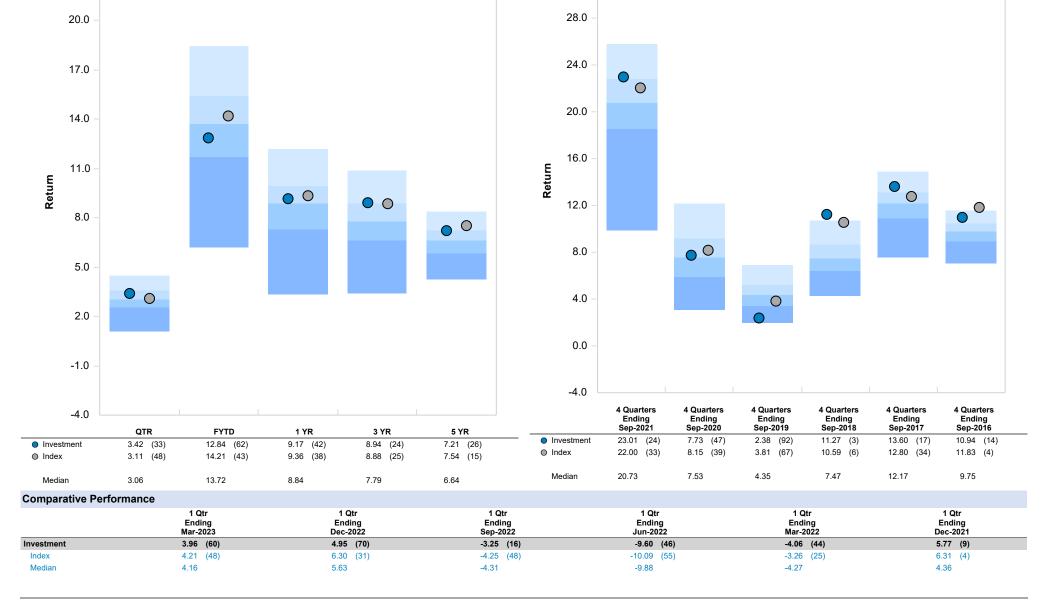


5 Y	ear Ro	Iling P	ercentile	Rank Al	Public	Plans-To	tal Fund				
	0.0	****				****					,
Return Percentile Rank	25.0 – 50.0 –										
Return Per	75.0 –										
	100.0	9/18	3/19	9/19	3/20	9/20	3/21	9/21	3/22	9/22	6/23

	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count	
Investment	20	13 (65%)	6 (30%)	1 (5%)	0 (0%)	
Index	20	16 (80%)	4 (20%)	0 (0%)	0 (0%)	

	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count	
Investment	20	19 (95%)	1 (5%)	0 (0%)	0 (0%)	
Index	20	20 (100%)	0 (0%)	0 (0%)	0 (0%)	





Peer Group Analysis - All Public Plans-Total Fund

32.0

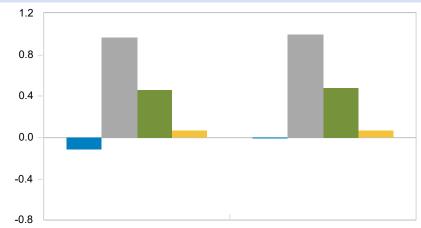


Peer Group Analysis - All Public Plans-Total Fund

23.0

Risk / Reward Historical Statistics 3 Years Ending June 30, 2023 1.2 0.9 0.6 0.3 0.0 **Total Fund Policy Index Total Fund Composite** Alpha 0.00 0.31 Beta 0.97 1.00 ■ Sharpe Ratio 0.75 0.73

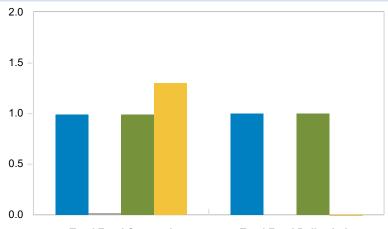
Risk / Reward Historical Statistics 5 Years Ending June 30, 2023



	Total Fund Composite	Total Fund Policy Index
■ Alpha	-0.11	0.00
■ Beta	0.97	1.00
Sharpe Ratio	0.47	0.48
Treynor Ratio	0.07	0.07

Index Relative Historical Statistics 3 Years Ending June 30, 2023

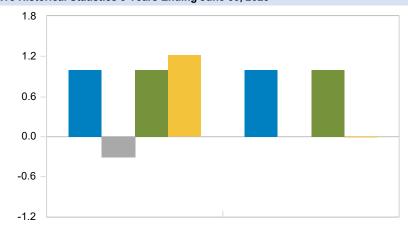
0.08



0.08

0.0			
	Total Fund Composite	Total Fund Policy Index	
Actual Correlation	0.99	1.00	
Information Ratio	0.02	N/A	
R-Squared	0.99	1.00	
Tracking Error	1.31	0.00	

Index Relative Historical Statistics 5 Years Ending June 30, 2023



	Total Fund Composite	Total Fund Policy Index
Actual Correlation	1.00	1.00
Information Ratio	-0.31	N/A
R-Squared	0.99	1.00
Tracking Error	1.21	0.00

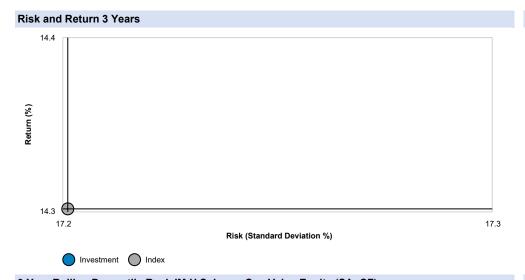
Benchmark: Total Fund Policy Index

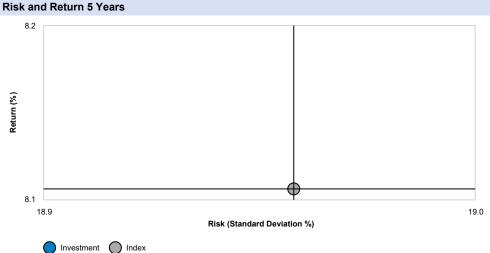
Treynor Ratio

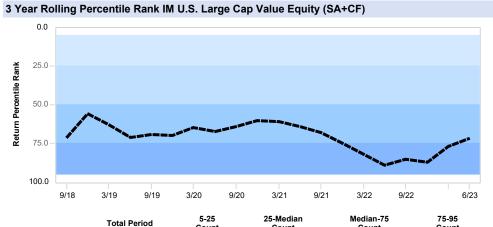


Historical Stati	stics 3 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Index	14 30	17 20	0.79	100.00	8	100.00	4

Historical Stati	stics 5 Years						
	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
Index	8.11	18.96	0.43	100.00	14	100.00	6







Count

0 (0%)

Count

15 (75%)

Count

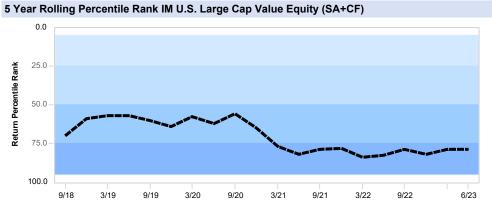
5 (25%)

Count

0 (0%)

0

20



	Total Period	Count	Count	Count	Count	
Investment	0	0	0	0	0	
Index	20	0 (0%)	0 (0%)	10 (50%)	10 (50%)	



Investment

__ Index





0.00

1.00

0.42

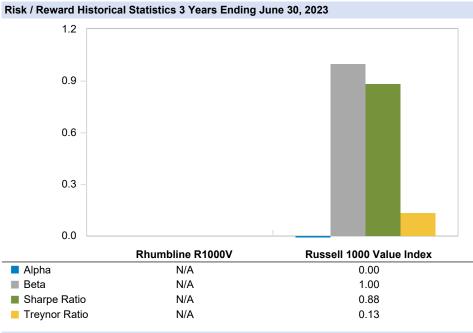
0.09

1.00

N/A

1.00

0.00



Risk / Reward Historical Statistics 5 Years Ending June 30, 2023 1.2 0.9 0.6 0.3 0.0 Rhumbline R1000V Russell 1000 Value Index

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

Alpha

Beta

■ Sharpe Ratio

Treynor Ratio

Actual Correlation

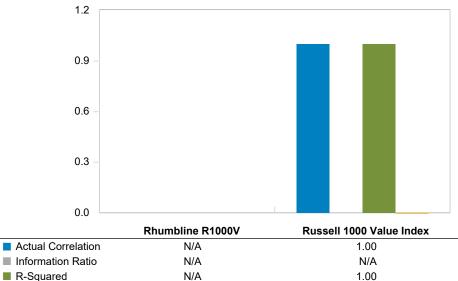
■ Information Ratio

R-Squared

Tracking Error

Index Relative Historical Statistics 3 Years Ending June 30, 2023

N/A



0.00

Index Relative Historical	Statistics 5 Years Ending June	9 30, 2023
1.2		
0.9 –		
0.6 -		
0.3 –		
0.0	Rhumbline R1000V	Russell 1000 Value Index

Benchmark: Russell 1000 Value Index

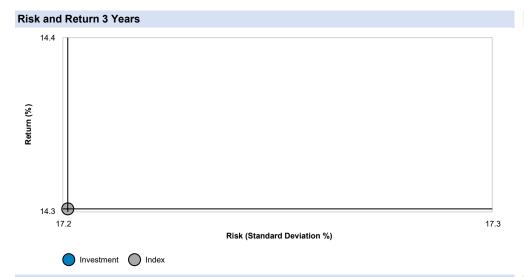
R-Squared

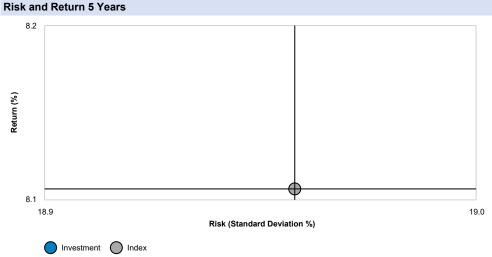
Tracking Error

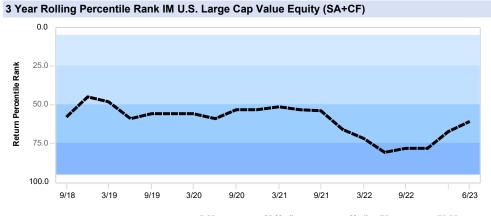


Historical Stati	stics 3 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Index	14 30	17 20	0.79	100.00	8	100.00	4

Historical Stati	stics 5 Years						
	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
Index	8.11	18.96	0.43	100.00	14	100.00	6





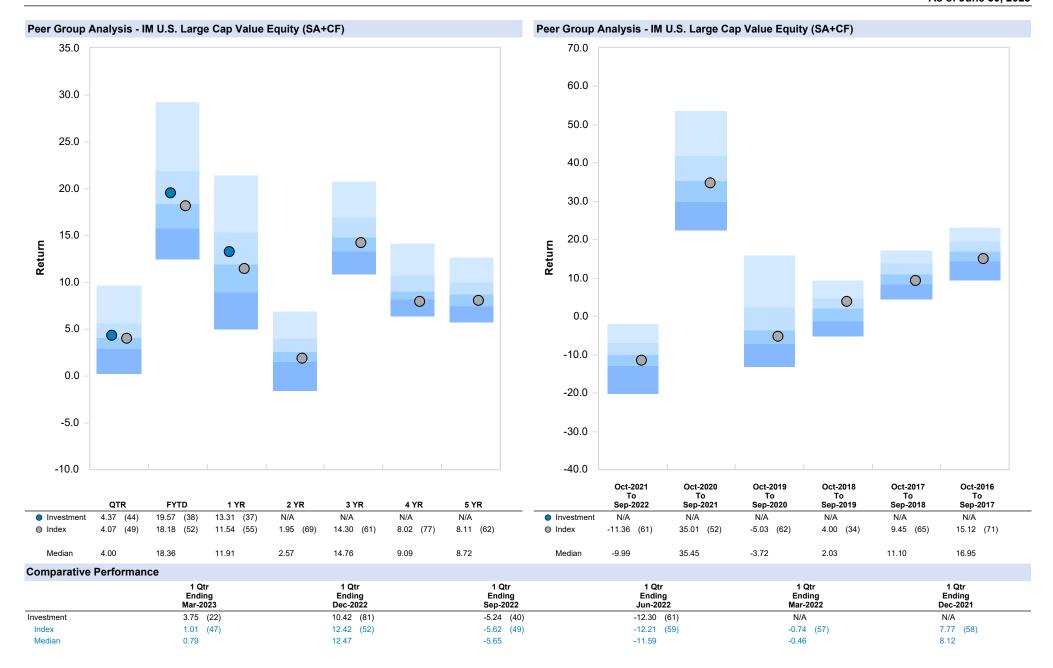




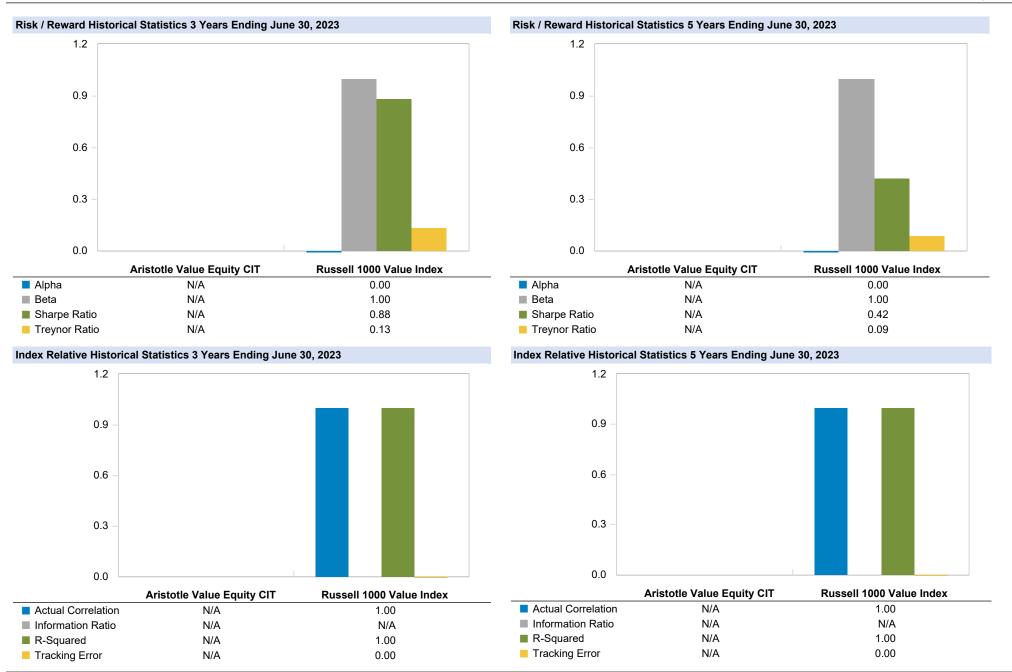
	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count	
Investment	0	0	0	0	0	
Index	20	0 (0%)	2 (10%)	15 (75%)	3 (15%)	

	Total Period	Count	Count	Count	Count	
Investment	0	0	0	0	0	
Index	20	0 (0%)	7 (35%)	13 (65%)	0 (0%)	







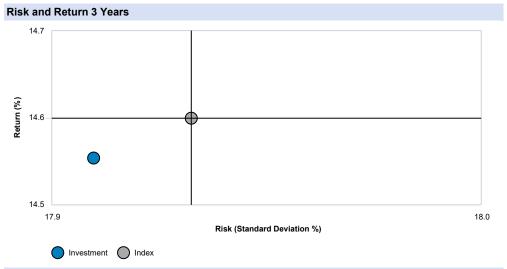


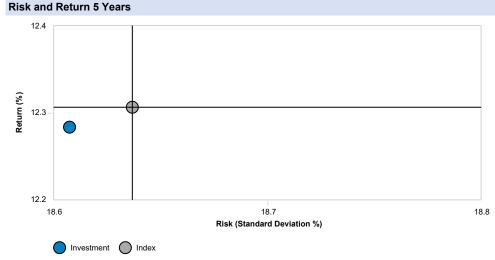
Benchmark: Russell 1000 Value Index

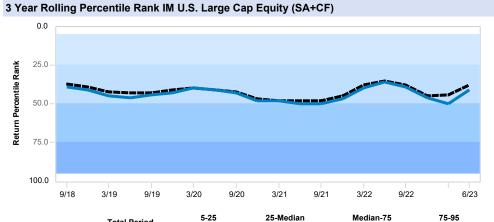


Historical Stati	stics 3 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	14.55	17.91	0.78	99.80	9	99.87	3
Index	14.60	17.93	0.78	100.00	9	100.00	3

Historical Statistics 5 Years							
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	12.28	18.61	0.63	99.81	15	99.81	5
Index	12.31	18.64	0.64	100.00	15	100.00	5







Count

20 (100%)

20 (100%)

Count

0 (0%)

0 (0%)

Count

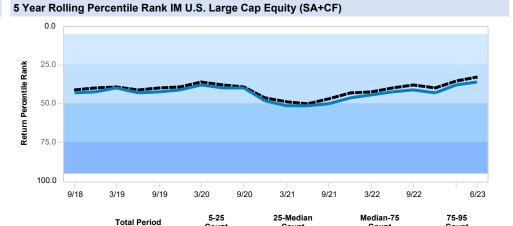
0 (0%)

0 (0%)

Count

0 (0%)

0 (0%)



Count

18 (90%)

20 (100%)

Count

0 (0%)

0 (0%)

20

20

Investment

__ Index

Count

0 (0%)

0 (0%)

Count

2 (10%)

0 (0%)

Investment

__ Index

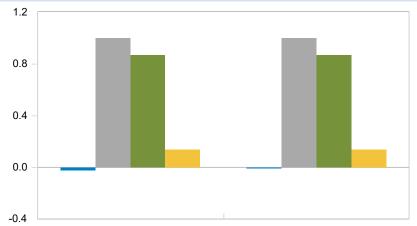
Total Period

20

20

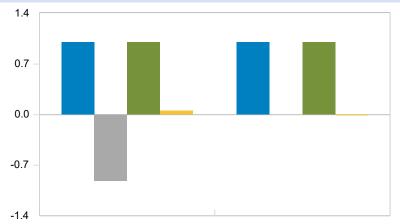






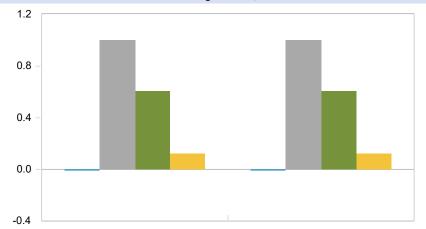
	Rhumbline S&P 500 Equity	S&P 500 Index
■ Alpha	-0.03	0.00
■ Beta	1.00	1.00
Sharpe Ratio	0.87	0.87
Trevnor Ratio	0.14	0.14

Index Relative Historical Statistics 3 Years Ending June 30, 2023



	Rhumbline S&P 500 Equity	S&P 500 Index
Actual Correlation	1.00	1.00
Information Ratio	-0.93	N/A
R-Squared	1.00	1.00
Tracking Error	0.05	0.00

Risk / Reward Historical Statistics 5 Years Ending June 30, 2023



	Rhumbline S&P 500 Equity	S&P 500 Index
Alpha	0.00	0.00
■ Beta	1.00	1.00
Sharpe Ratio	0.61	0.61
Treynor Ratio	0.12	0.12

Index Relative Historical Statistics 5 Years Ending June 30, 2023



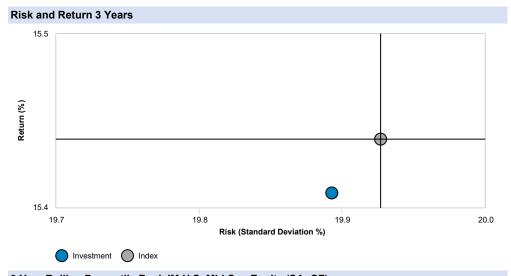
	Rhumbline S&P 500 Equity	S&P 500 Index
Actual Correlation	1.00	1.00
Information Ratio	-0.48	N/A
R-Squared	1.00	1.00
Tracking Error	0.06	0.00

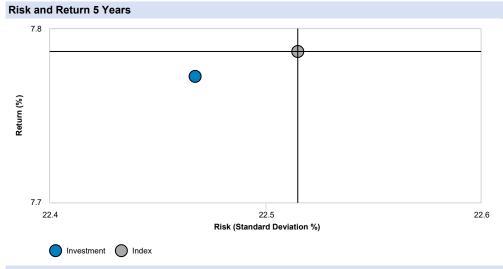
Benchmark: S&P 500 Index

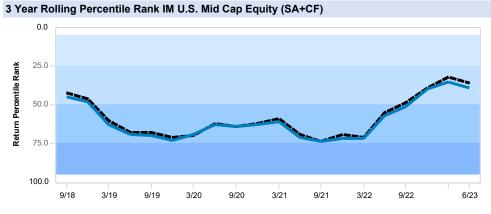


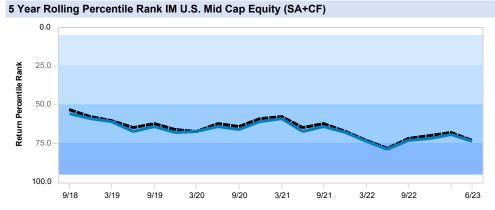
Historical Stati	stics 3 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	15.41	19.89	0.76	99.81	8	99.83	4
Index	15 44	19.93	0.76	100.00	8	100.00	4

Historical Statistics 5 Years							
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	7.77	22.47	0.38	99.79	13	99.81	7
Index	7.79	22.52	0.38	100.00	13	100.00	7









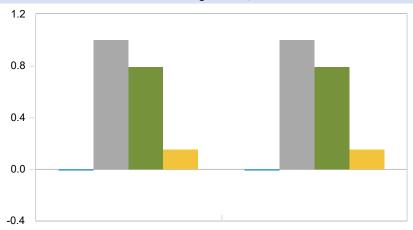
	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count	
Investment	20	0 (0%)	5 (25%)	15 (75%)	0 (0%)	
Index	20	0 (0%)	6 (30%)	14 (70%)	0 (0%)	

	Total Period	Count	Count	Count	Count	
Investment	20	0 (0%)	0 (0%)	19 (95%)	1 (5%)	
Index	20	0 (0%)	0 (0%)	19 (95%)	1 (5%)	



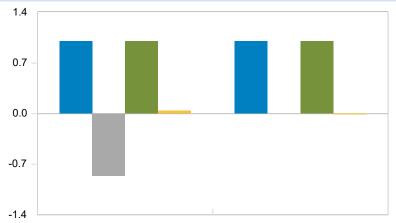






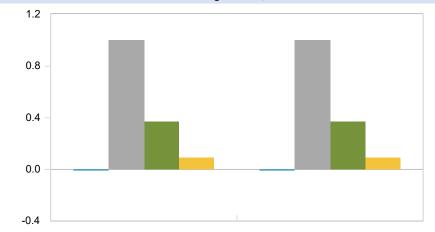
	Rhumbline S&P 400 Equity	S&P MidCap 400 Index
Alpha	0.00	0.00
■ Beta	1.00	1.00
Sharpe Ratio	0.79	0.79
Treynor Ratio	0.15	0.15

Index Relative Historical Statistics 3 Years Ending June 30, 2023



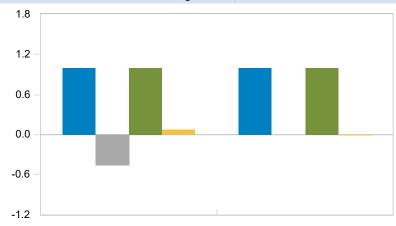
	Rhumbline S&P 400 Equity	S&P MidCap 400 Index
Actual Correlation	1.00	1.00
Information Ratio	-0.86	N/A
R-Squared	1.00	1.00
Tracking Error	0.04	0.00

Risk / Reward Historical Statistics 5 Years Ending June 30, 2023



	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	0.09	0.09

Index Relative Historical Statistics 5 Years Ending June 30, 2023



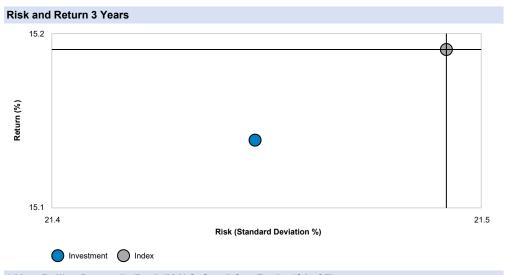
	Rhumbline S&P 400 Equity	S&P MidCap 400 Inde		
Actual Correlation	1.00	1.00		
Information Ratio	-0.46	N/A		
R-Squared	1.00	1.00		
Tracking Error	0.07	0.00		

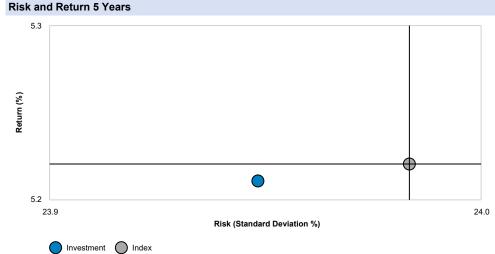
Benchmark: S&P MidCap 400 Index

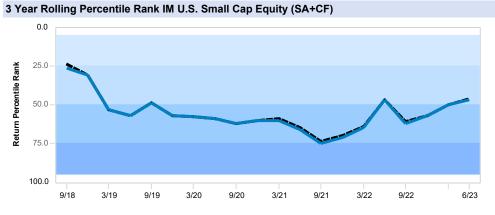


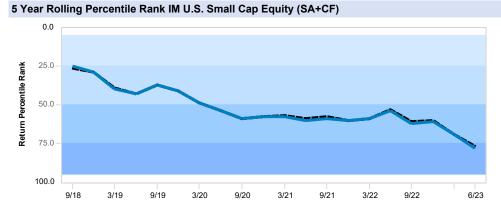
Historical Statistics 3 Years									
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters		
Investment	15.14	21.45	0.70	99.75	8	99.82	4		
Index	15 19	21 49	0.71	100.00	8	100.00	4		

Historical Stati							
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	5.21	23.95	0.27	99.83	13	99.85	7
Index	5.22	23.98	0.27	100.00	13	100.00	7









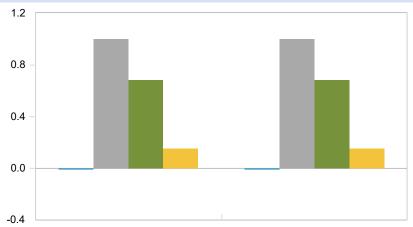
	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	20	0 (0%)	6 (30%)	14 (70%)	0 (0%)
Index	20	1 (5%)	5 (25%)	14 (70%)	0 (0%)

	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	20	1 (5%)	6 (30%)	12 (60%)	1 (5%)
Index	20	0 (0%)	7 (35%)	12 (60%)	1 (5%)



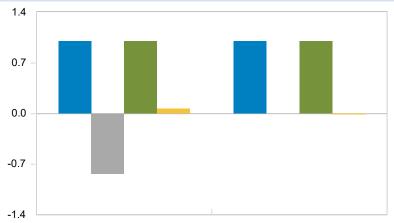






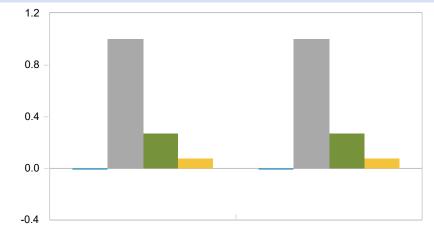
	Rhumbline S&P 600 Equity	S&P SmallCap 600 Index
Alpha	-0.01	0.00
■ Beta	1.00	1.00
Sharpe Ratio	0.68	0.68
Treynor Ratio	0.15	0.15

Index Relative Historical Statistics 3 Years Ending June 30, 2023



	Rhumbline S&P 600 Equity	S&P SmallCap 600 Index
Actual Correlation	1.00	1.00
Information Ratio	-0.84	N/A
R-Squared	1.00	1.00
Tracking Error	0.07	0.00

Risk / Reward Historical Statistics 5 Years Ending June 30, 2023



	Rhumbline S&P 600 Equity	S&P SmallCap 600 Index
■ Alpha	-0.01	0.00
■ Beta	1.00	1.00
Sharpe Ratio	0.27	0.27
Treynor Ratio	0.08	0.08

Index Relative Historical Statistics 5 Years Ending June 30, 2023



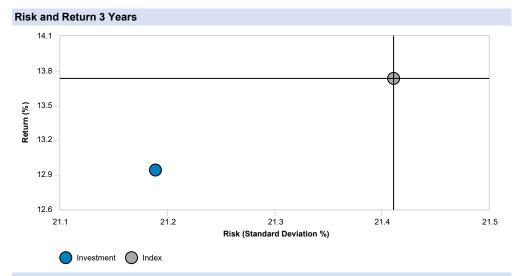
	Rhumbline S&P 600 Equity	S&P SmallCap 600 Index
Actual Correlation	1.00	1.00
Information Ratio	-0.33	N/A
R-Squared	1.00	1.00
Tracking Error	0.07	0.00

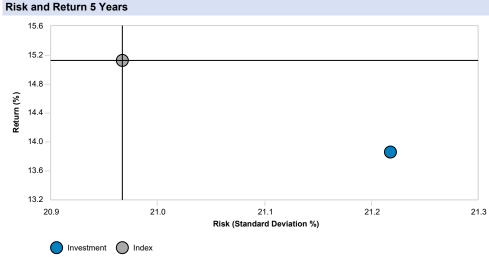
Benchmark: S&P SmallCap 600 Index



Historical Statistics 3 Years									
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters		
Investment	12.94	21.19	0.62	96.61	9	97.59	3		
Index	13 73	21 //1	0.65	100.00	Q	100.00	3		

Historical Stati							
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	13.86	21.22	0.65	97.93	15	101.11	5
Index	15.14	20.97	0.71	100.00	15	100.00	5







5 (25%)

13 (65%)

12 (60%)

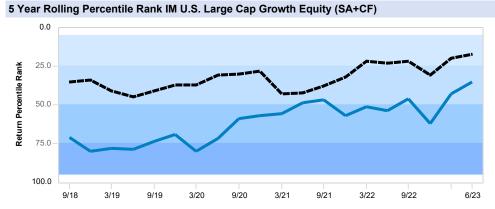
0 (0%)

0 (0%)

0 (0%)

3 (15%)

7 (35%)



	Total Period 5-25 Count		25-Median Count	Median-75 Count	75-95 Count	
Investment	20	0 (0%)	5 (25%)	11 (55%)	4 (20%)	
Index	20	5 (25%)	15 (75%)	0 (0%)	0 (0%)	



Investment

__ Index

20

20

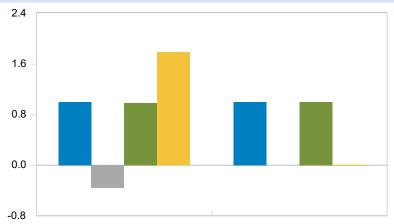






	Highland Capital Equity	Russell 1000 Growth Index
■ Alpha	-0.77	0.00
■ Beta	1.01	1.00
Sharpe Ratio	0.64	0.68
Treynor Ratio	0.13	0.14

Index Relative Historical Statistics 3 Years Ending June 30, 2023



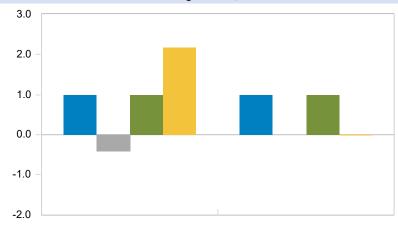
	Highland Capital Equity	Russell 1000 Growth Index
Actual Correlation	1.00	1.00
Information Ratio	-0.36	N/A
R-Squared	0.99	1.00
Tracking Error	1.79	0.00

Risk / Reward Historical Statistics 5 Years Ending June 30, 2023



	Highland Capital Equity	Russell 1000 Growth Index
Alpha	-1.55	0.00
■ Beta	1.04	1.00
Sharpe Ratio	0.60	0.66
Treynor Ratio	0.14	0.16

Index Relative Historical Statistics 5 Years Ending June 30, 2023



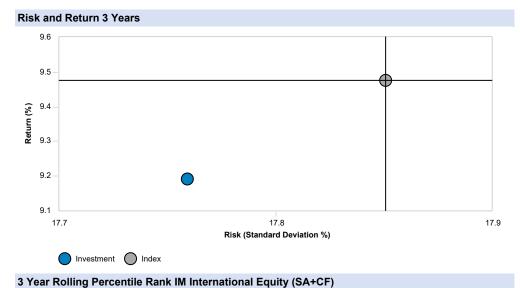
	Highland Capital Equity	Russell 1000 Growth Index
Actual Correlation	1.00	1.00
Information Ratio	-0.42	N/A
R-Squared	0.99	1.00
Tracking Error	2.17	0.00

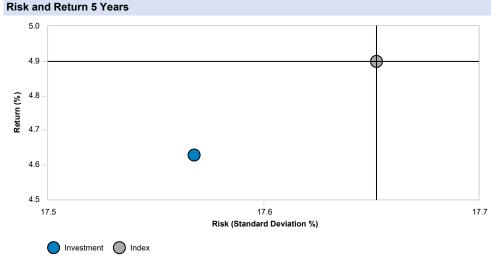
Benchmark: Russell 1000 Growth Index

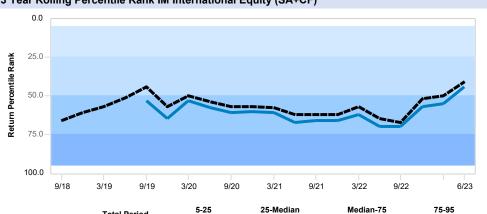


Historical Statistics 3 Years								
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters	
Investment	9.19	17.76	0.51	99.33	8	100.37	4	
Index	9.48	17.85	0.53	100.00	8	100.00	4	

Historical Statistics 5 Years								
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters	
Investment	4.63	17.57	0.26	99.20	13	100.25	7	
Index	4.90	17.65	0.27	100.00	13	100.00	7	







Count

1 (6%)

4 (20%)

Count

0 (0%)

0 (0%)

Count

0 (0%)

0 (0%)

Count

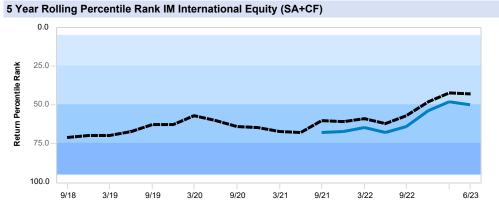
15 (94%)

16 (80%)

Total Period

16

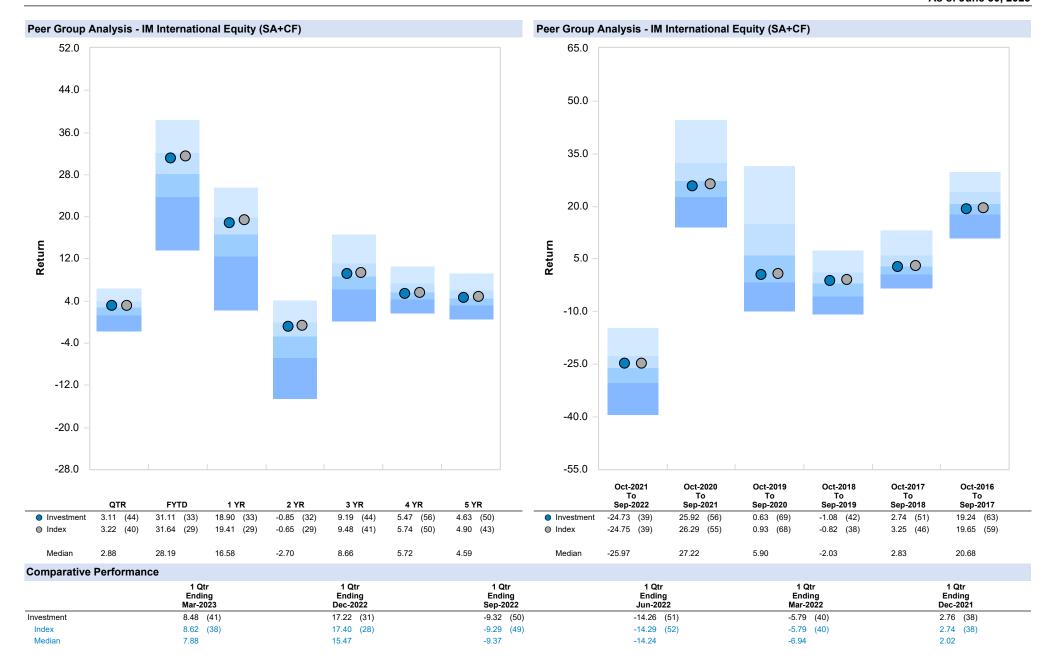
20



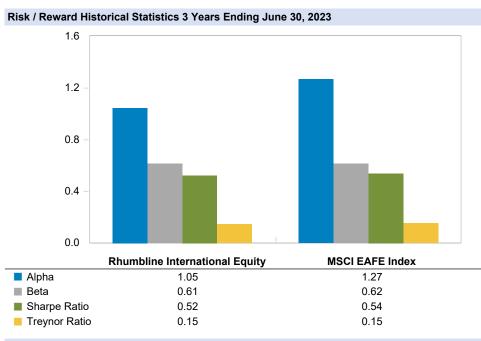
	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	8	0 (0%)	2 (25%)	6 (75%)	0 (0%)
Index	20	0 (0%)	3 (15%)	17 (85%)	0 (0%)



Investment

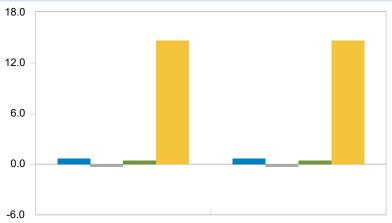






	Rhumbline International Equity	MSCI EAFE Index
■ Alpha	-5.33	-5.12
Beta	0.70	0.71
Sharpe Ratio	0.25	0.27
Treynor Ratio	0.07	0.08

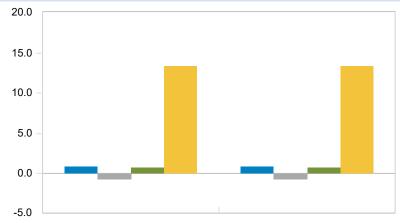
Index Relative Historical Statistics 3 Years Ending June 30, 2023



Rhumbline International Equity	MSCI EAFE Index	
0.72	0.72	
-0.33	-0.31	
0.52	0.52	
14.71	14.72	

Index Relative Historical Statistics 5 Years Ending June 30, 2023

-9.0



	Rhumbline International Equity	MSCI EAFE Index
Actual Correlation	0.83	0.83
Information Ratio	-0.79	-0.77
R-Squared	0.69	0.69
Tracking Error	13.36	13.36

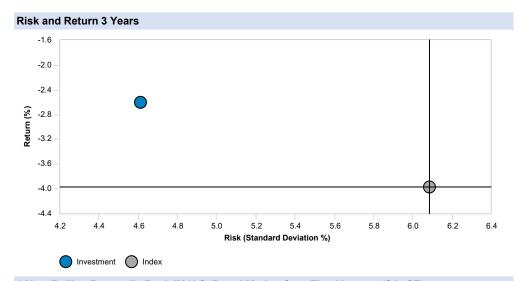
Benchmark: Russell 1000 Growth Index

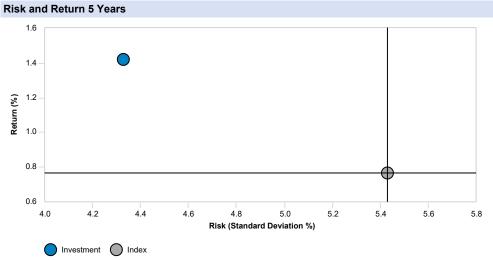
Actual CorrelationInformation RatioR-SquaredTracking Error



Historical Stati	stics 3 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	-2.60	4.61	-0.83	76.88	6	72.56	6
Index	-3.97	6.09	-0.85	100.00	7	100.00	5

Historical Statistics 5 Years							
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	1.42	4.33	-0.01	85.45	14	74.46	6
Index	0.77	5.43	-0.12	100.00	15	100.00	5





3 Year Rolling Percentile Rank IM U.S. Broad Market Core Fixed Income (SA+CF) 0.0 25.0 Return Percentile Rank 50.0 75.0 -100.0 9/18 3/19 9/19 3/20 9/20 3/21 9/21 3/22 9/22 6/23 5-25 25-Median Median-75 75-95 **Total Period**

Count

3 (15%)

1 (5%)

Count

10 (50%)

0 (0%)

Count

3 (15%)

19 (95%)

Count

4 (20%)

0 (0%)

20

20



	Total Period	Count	Count	Count	Count	
Investment	20	1 (5%)	5 (25%)	14 (70%)	0 (0%)	
Index	20	0 (0%)	0 (0%)	1 (5%)	19 (95%)	



Investment

__ Index





Risk / Reward Historical Statistics 3 Years Ending June 30, 2023 1.4 0.7 0.0 -0.7 -1.4 Blmbg. U.S. Aggregate Index **Highland Capital Fixed Income** Alpha 0.74 0.00 Beta 0.84 1.00 Sharpe Ratio -0.80 -0.93

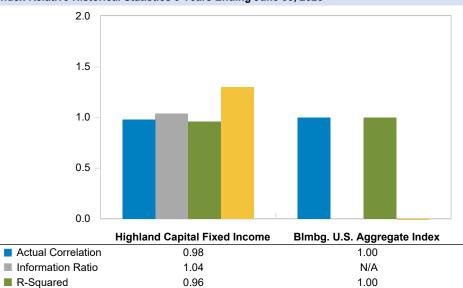
Risk / Reward Historical Statistics 5 Years Ending June 30, 2023 1.2 0.8 0.4 -0.4

	Highland Capital Fixed Income	Blmbg. U.S. Aggregate Index
Alpha	0.75	0.00
Beta	0.85	1.00
Sharpe Ratio	0.00	-0.12
Treynor Ratio	0.00	-0.01

Index Relative Historical Statistics 3 Years Ending June 30, 2023

-0.04

1.31

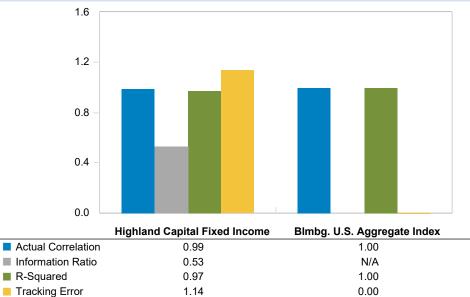


-0.05

0.00

Index Relative Historical Statistics 5 Years Ending June 30, 2023

-0.8



Benchmark: Blmbg. U.S. Aggregate Index

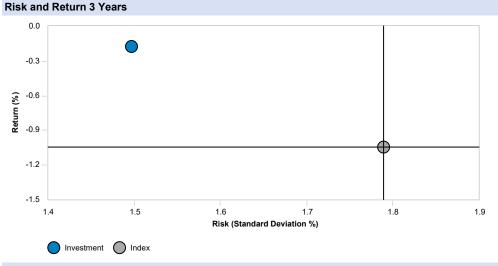
Tracking Error

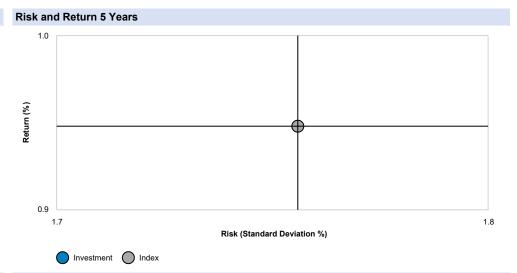
Treynor Ratio

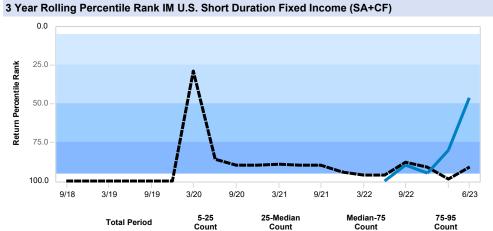


Historical Statistics 3 Years											
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters				
Investment	-0.17	1.50	-1.03	95.66	7	64.25	5				
Index	-1 04	1 79	-1.31	100.00	5	100.00	7				

Historical Stati	stics 5 Years						
	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
Index	0.95	1.76	-0.35	100.00	13	100.00	7







1 (20%)

1 (5%)

0 (0%)

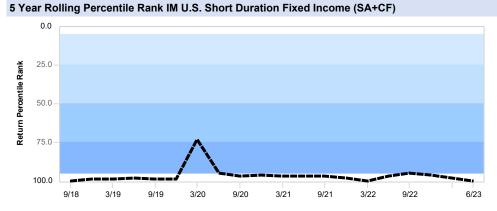
0 (0%)

4 (80%)

19 (95%)

0 (0%)

0 (0%)



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count	
Investment	0	0	0	0	0	
Index	20	0 (0%)	0 (0%)	1 (5%)	19 (95%)	

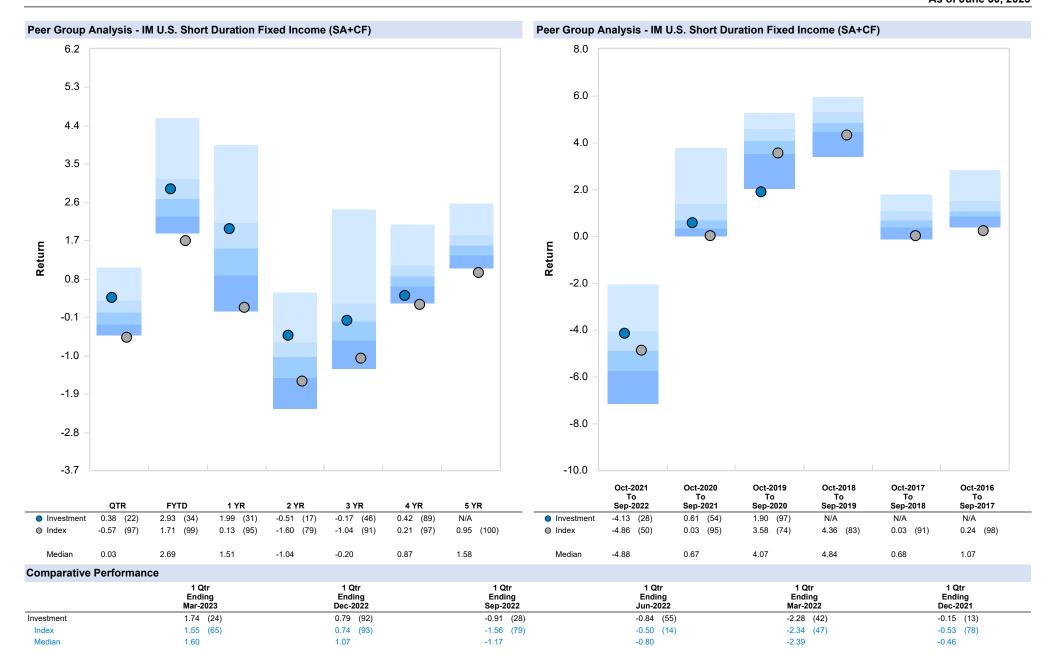


Investment

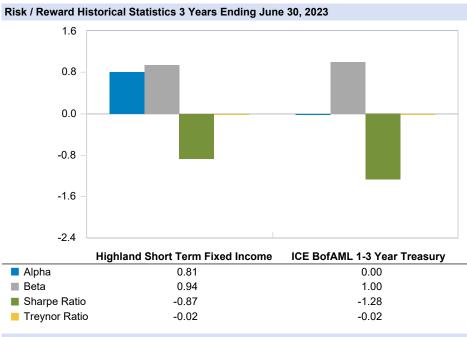
__ Index

5

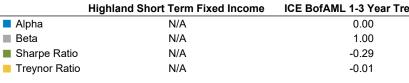
20



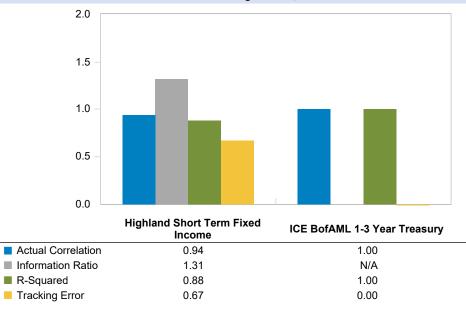




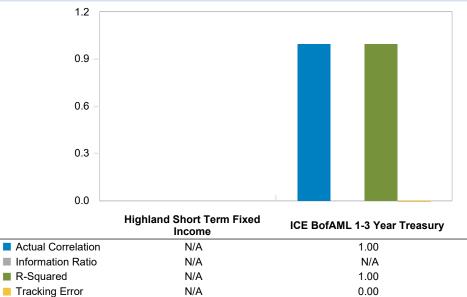
1.5 1.0 0.5 -0.5 Highland Short Term Fixed Income ICE BofAML 1-3 Year Treasury



Index Relative Historical Statistics 3 Years Ending June 30, 2023



Index Relative Historical Statistics 5 Years Ending June 30, 2023

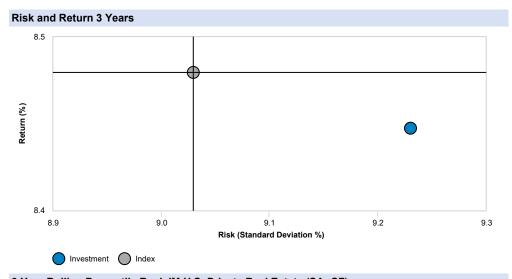


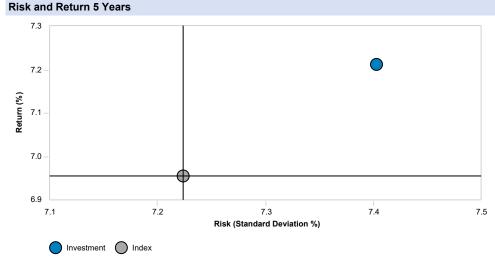
Benchmark: ICE BofAML 1-3 Year Treasury



Historical Statistics 3 Years										
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters			
Investment	8.45	9.23	0.77	99.49	8	98.65	4			
Index	8.48	9.03	0.79	100.00	9	100.00	3			

Historical Stati	stics 5 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	7.21	7.40	0.75	102.29	15	98.44	5
Index	6.96	7.22	0.74	100.00	16	100.00	4







5 Ye	ear Ro	lling Pe	rcentile	Rank IM	U.S. Pri	vate Rea	I Estate	(SA+CF)			
	0.0										
ntile Rank	25.0 –										
Return Perœntile Rank	50.0 –	And the second	~~==	\							
Re	75.0 –		<u> </u>								
	100.0	9/18	3/19	9/19	3/20	9/20	3/21	9/21	3/22	9/22	6/23

	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count	
Investment	20	0 (0%)	8 (40%)	11 (55%)	1 (5%)	
Index	20	0 (0%)	9 (45%)	11 (55%)	0 (0%)	

	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	20	0 (0%)	5 (25%)	10 (50%)	5 (25%)
Index	20	0 (0%)	4 (20%)	16 (80%)	0 (0%)

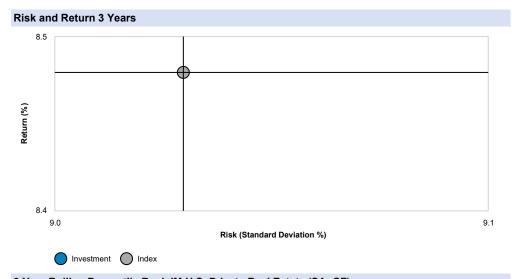


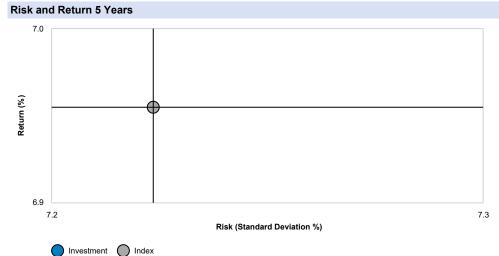




Historical Stati	stics 3 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Index	8.48	9.03	0.79	100.00	9	100.00	3

Historical Stati	stics 5 Years						
	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
Index	6.96	7.22	0.74	100.00	16	100.00	4







Count

9 (45%)

Count

11 (55%)

Count

0 (0%)

Count

0 (0%)

0

20



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count	
Investment	0	0	0	0	0	
Index	20	0 (0%)	4 (20%)	16 (80%)	0 (0%)	



Investment





	Estimated Annual Fee (%)	Market Value (\$)	Estimated Annual Fee (\$)	Fee Schedule
Rhumbline R1000V	0.04	5,153,775	2,062	0.04 % of Assets
Rhumbline S&P 500 Equity	0.05	12,914,551	6,457	0.05 % of Assets
Rhumbline S&P 400 Equity	0.05	13,243,667	6,622	0.05 % of Assets
Rhumbline S&P 600 Equity	0.05	12,607,845	6,304	0.05 % of Assets
Rhumbline International Equity	0.05	11,703,474	5,852	0.05 % of Assets
Aristotle Value Equity CIT	0.49	4,814,557	23,591	0.49 % of Assets
Highland Capital Balanced	0.41	32,622,731	134,835	0.50 % of First \$10 M 0.38 % Thereafter
Highland Short Term Fixed Income	0.25	11,107,252	27,768	0.25 % of Assets
ARA Core Property Fund	1.10	12,220,932	134,430	1.10 % of Assets
American Strategic Value Realty	1.25	2,454,552	30,682	1.25 % of Assets
IFM Global Infrastructure (US), L.P. Class A	0.77	5,880,854	45,283	0.77 % of Assets
Cash Equivalent		3,832	-	
Total Fund Composite	0.34	124,728,022	423,886	



Allocation Mandate	Weight (%)	Allocation Mandate	Weight (%)
Nov-1994		Jun-2020	
Blmbg. U.S. Aggregate Index	35.00	Blmbg. U.S. Aggregate Index	25.00
S&P 500 Index	25.00	Russell 1000 Growth Index	10.00
S&P MidCap 400 Index	10.00	S&P 500 Index	20.00
Russell 1000 Growth Index	10.00	S&P MidCap 400 Index	10.00
S&P SmallCap 600 Index	10.00	S&P SmallCap 600 Index	10.00
MSCI EAFE Index	10.00	MSCI EAFE Index	10.00
		NCREIF Fund Index-Open End Diversified Core (EW)	10.00
Oct-2010		ICE BofAML 1-3 Year Treasury	5.00
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	20.00
Russell 1000 Growth Index	10.00	S&P MidCap 400 Index	10.00
MSCI EAFE Index	10.00	S&P SmallCap 600 Index	10.00
S&P SmallCap 600 Index	10.00	Russell 1000 Growth Index	10.00
FTSE Non-U.S. World Government Bond	4.00	MSCI EAFE Index	10.00
		Blmbg. U.S. Aggregate Index	17.50
Apr-2012		NCREIF Fund Index-Open End Diversified Core (EW)	12.50
Blmbg. U.S. Aggregate Index	29.00	ICE BofAML 1-3 Year Treasury	5.00
S&P 500 Index	25.00	S&P Global Infrastructure	5.00
S&P MidCap 400 Index	10.00		
Russell 1000 Growth Index	10.00	Apr-2022	
MSCI EAFE Index	10.00	S&P 500 Index	10.00
S&P SmallCap 600 Index	10.00	S&P MidCap 400 Index	10.00
FTSE Non-U.S. World Government Bond	4.00	S&P SmallCap 600 Index	10.00
NCREIF Property Index	2.00	Russell 1000 Growth Index	10.00
0-4-0045		Russell 1000 Value Index	10.00
Oct-2015	26.00	MSCI EAFE Index	10.00
Blmbg. U.S. Aggregate Index	25.00	Blmbg. U.S. Aggregate Index	17.50
S&P 500 Index		NCREIF Fund Index-Open End Diversified Core (EW)	12.50
S&P MidCap 400 Index	10.00	ICE BofAML 1-3 Year Treasury	5.00
Russell 1000 Growth Index	10.00	S&P Global Infrastructure	5.00
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 (%)
Oct-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
Blmbg. U.S. Aggregate Index	17.50
NCREIF Fund Index-Open End Diversified Core (EW)	12.50
ICE BofAML 1-3 Year Treasury	5.00
S&P Global Infrastructure	7.50



Allocation Mandate	Weight (%)
Jun-2000	
S&P 500 Index	100.00
Jan-2003	
S&P 500 Index	80.00
S&P MidCap 400 Index	20.00
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

Total Fixed Income Historical Hybrid Composition								
Allocation Mandate	Weight (%)							
Apr-1994								
Blmbg. U.S. Aggregate Index	89.00							
FTSE Non-U.S. World Government Bond	11.00							
Jul-2020 Blmbg. U.S. Aggregate Index Blmbg. U.S. Treasury: 1-3 Year	77.78 22.22							



	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	YTD
Best	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 Fund Index-ODCE (EW) (Net) 7.6 %	Russell 1000 Growth Index 29.0 %
	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 1000 Value Index -7.5 %	S&P 500 Index 16.9 %
	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.S. Corp High Yield -11.2 %	Russell 2000 Growth Index 13.6 %
	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.S. Aggregate Index -13.0 %	MSCI EAFE (Net) Index 11.7 %
	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 EAFE (Net) Index -14.5 %	Russell 2000 Index 8.1 %
	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 %		S&P 500 Index -4.4 %	Russell 2000 Value Index 22.4 %	Bloomberg Global Aggregate Ex USD 10.1 %	Russell 2000 Index 14.8 %		Blmbg. U.S. Corp High Yield 5.4 %
	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 Index -18.1 %	Russell 1000 Value Index 5.1 %
	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 %	Bloomberg Global Aggregate Ex USD -18.7 %	MSCI Emerging Markets (Net) Index 4.9 %
	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 Index -11.0 %	Blmbg. U.S. Corp High Yield 14.3 %		Russell 2000 Growth Index 2.8 %	MSCI Emerging Markets (Net) Index -20.1 %	Russell 2000 Value Index 2.5 %
	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 %		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 2000 Index -20.4 %	Blmbg. U.S. Aggregate Index 2.1 %
	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 2000 Growth Index -26.4 %	Bloomberg Global Aggregate Ex USD 0.8 %
Worst	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 1000 Growth Index -29.1 %	NCREIF Fund Index-ODCE (EW) (Net) -6.4 %

Source: Investment Metrics

Past performance is no guarantee of future results. This document is provided for informational purposes only and should not be regarded as investment advice or as a recommendation regarding any particular course of action. The material provided herein is valid as of the date of distribution and not as of any future date, and will not be updated or otherwise revised to reflect information that subsequently becomes available, or circumstances existing or changes occurring after such date. Certain information is based on sources and data believed to be reliable, but AndCo cannot guarantee the accuracy, adequacy or completeneess of the information. AndCo Consulting is an investment adviser registered with the U.S. Securities and Exchange Commission ("SEC"). Registration as an investment adviser does not constitute an endorsement of the firm by securities regulators nor does it indicate that the adviser has attained a particular level of skill or ability.

Δ	cti	Ve	R	۵t	 rn

- 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.



AndCo compiled this report for the sole use of the client for which it was prepared. AndCo is responsible for evaluating the performance results of the Total Fund along with the investment advisors by comparing their performance with indices and other related peer universe data that is deemed appropriate. AndCo uses the results from this evaluation to make observations and recommendations to the client.

AndCo uses time-weighted calculations which are founded on standards recommended by the CFA Institute. The calculations and values shown are based on information that is received from custodians. AndCo analyzes transactions as indicated on the custodian statements and reviews the custodial market values of the portfolio. As a result, this provides AndCo with a reasonable basis that the investment information presented is free from material misstatement. This methodology of evaluating and measuring performance provides AndCo with a practical foundation for our observations and recommendations. Nothing came to our attention that would cause AndCo to believe that the information presented is significantly misstated.

This performance report is based on data obtained by the client's custodian(s), investment fund administrator, or other sources believed to be reliable. While these sources are believed to be reliable, the data providers are responsible for the accuracy and completeness of their statements. Clients are encouraged to compare the records of their custodian(s) to ensure this report fairly and accurately reflects their various asset positions.

The strategies listed may not be suitable for all investors. We believe the information provided here is reliable, but do not warrant its accuracy or completeness. Past performance is not an indication of future performance. Any information contained in this report is for informational purposes only and should not be construed to be an offer to buy or sell any securities, investment consulting, or investment management services.

Additional information included in this document may contain data provided by from index databases, public economic sources and the managers themselves.

This document may contain data provided by Bloomberg Barclays. Bloomberg Barclays Index data provided by way of Barclays Live.

This document may contain data provided by Standard and Poor's. Nothing contained within any document, advertisement or presentation from S&P Indices constitutes an offer of services in jurisdictions where S&P Indices does not have the necessary licenses. All information provided by S&P Indices is impersonal and is not tailored to the needs of any person, entity or group of persons. Any returns or performance provided within any document is provided for illustrative purposes only and does not demonstrate actual performance. Past performance is not a guarantee of future investment results.

This document may contain data provided by MSCI, Inc. Copyright MSCI, 2017. Unpublished. All Rights Reserved. This information may only be used for your internal use, may not be reproduced or redisseminated in any form and may not be used to create any financial instruments or products or any indices. This information is provided on an "as is" basis and the user of this information assumes the entire risk of any use it may make or permit to be made of this information. Neither MSCI, any of its affiliates or any other person involved in or related to compiling, computing or creating this information makes any express or implied warranties or representations with respect to such information or the results to be obtained by the use thereof, and MSCI, its affiliates and each such other person hereby expressly disclaim all warranties (including, without limitation, all warranties of originality, accuracy, completeness, timeliness, non-infringement, merchantability and fitness for a particular purpose) with respect to this information. Without limiting any of the foregoing, in no event shall MSCI, any of its affiliates or any other person involved in or related to compiling, computing or creating this information have any liability for any direct, indirect, special, incidental, punitive, consequential or any other damages (including, without limitation, lost profits) even if notified of, or if it might otherwise have anticipated, the possibility of such damages.

This document may contain data provided by Russell Investment Group. Russell Investment Group is the source owner of the data contained or reflected in this material and all trademarks and copyrights related thereto. The material may contain confidential information and unauthorized use, disclosure, copying, dissemination or redistribution is strictly prohibited. This is a user presentation of the data. Russell Investment Group is not responsible for the formatting or configuration of this material or for any inaccuracy in presentation thereof.

This document may contain data provided by Morningstar. All rights reserved. Use of this content requires expert knowledge. It is to be used by specialist institutions only. The information contained herein: (1) is proprietary to Morningstar and/or its content providers; (2) may not be copied, adapted or distributed; and (3) is not warranted to be accurate, complete or timely. Neither Morningstar nor its content providers are responsible for any damages or losses arising from any use of this information, except where such damages or losses cannot be limited or excluded by law in your jurisdiction. Past financial performance is not quarantee of future results.



Clients first.



CHICAGO | CLEVELAND | DALLAS | DETROIT | ORLANDO | PITTSBURGH | RENO