Investment Performance Review Period Ending December 31, 2022

West Palm Beach Police Pension Plan



Table Of Contents

1	Market Environment	Page 1
2	Compliance Report	Page 14
3	POB Valuation	Page 15
4	Asset Allocation Compliance	Page 16
5	Asset Allocation Pie Chart	Page 17
6	Schedule of Investable Assets	Page 19
7	Financial Reconciliation Quarter to Date	Page 20
8	Asset Allocation & Performance Trailing Periods (gross)	Page 22
9	Asset Allocation & Performance Trailing Periods (net)	Page 26
10	Comparative IRR Private Funds	Page 29
11	PE Summary of Partnership	Page 30
12	Asset Allocation & Performance Fiscal Year Periods (gross)	Page 31
13	Asset Allocation & Performance Fiscal Year Periods (net)	Page 39
14	Total Fund Composite Returns Based Analysis	Page 43
15	Rhumbline Equity Returns Based Analysis	Page 46
16	Rhumbline R1000 Value Returns Based Analysis	Page 48
17	Rhumbline R1000 Growth Returns Based Analysis	Page 49
18	Rhumbline S&P Mid Cap 400 Returns Based Analysis	Page 50
19	Anchor Equity Returns Based Analysis	Page 51
20	Champlain Equity Returns Based Analysis	Page 55
21	SSGA (SSMKX) Equity Returns Based Analysis	Page 56
22	Eagle Equity Returns Based Analysis	Page 57
23	Barrow Hanley SC Returns Based Analysis	Page 61
24	Vanguard Intl Returns Based Analysis	Page 63
25	Oppenheimer Int Equity Returns Based Analysis	Page 65
26	Rhumbline International Eq Returns Based Analysis	Page 69
27	Garcia Hamilton Fixed Inc Returns Based Analysis	Page 71
28	Intercontinental Returns Based Analysis	Page 75
29	JPM Returns Based Analysis	Page 78
30	Aberdeen US PE VII Fund Overview	Page 83
31	Aberdeen US PE IX Fund Overview	Page 84
32	JP Morgan Global PE VII Fund Overview	Page 85
33	Taurus Private Market Fund Overview	Page 88



Table Of Contents

34	Fee Schedule	Page 89
35	Definitions & Disclosure Pages	Page 9



On behalf of everyone at AndCo, we want to <u>Thank You</u> for the opportunity to serve you and for the trust you place in us! We take our role as your consultant and trusted advisor seriously and will continue working hard to maintain your confidence.

Looking back at the year, we would like to provide a brief update on where we stand as a firm. 2022 marked the 22nd straight year of revenue growth for the firm and we advise on approximately \$90 billion in client assets as of December 31st. We reinvested 100% of our net profits back into the organization so we can continue to evolve and adapt within a market environment that is constantly changing and challenging. As we have stated in previous updates, we do not believe the "status quo" is an effective strategy and we are convicted in our belief that a firm not focused on moving forward in our industry is moving backward.

To execute on our commitment to evolve and continue to enhance the organization, we made additional personnel and technology investments in 2022. Specifically, we hired a Chief Information Officer (Bharat Kumta) after a national search led by a specialized executive recruiting firm. We believe technology is going to drive successful firms in our industry and we plan to invest heavily within this business function to support digital transformation. We also integrated a new Chief Human Resources Officer (Stacie Runion) through a national search led by an executive recruiter. We believe our firm's most important asset is our people, so we need to ensure we have the right leadership team in HR to focus on that asset. We also hired team members in Finance, Human Resources, Consulting, Research, Solutions & Growth, Technology and Performance & Reporting. These personnel investments focused on further enhancing functional areas, departmental service levels, and narrowing potential gaps. We also continued to invest in our proprietary software system to compile and share information firmwide to better serve our clients more effectively and efficiently. Finally, we engaged several outside consulting firms to help us better assess and invest in areas within our firm we believe will drive value for our clients going forward. Some examples include working with an outside group to evaluate and enhance our Operational Due Diligence efforts with investment managers and a separate group to help us review and analyze our current Discretionary Services offerings and how to make this service stronger for our clients.

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

At the beginning of each year, we also discuss the AndCo partnership and, when earned, announce new partners.

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

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

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

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

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

Mike Welker, CFA®



Organizational Chart

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CIPM®, CAIA®

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



4th Quarter 2022 Market Environment



The Economy

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

Equity (Domestic and International)

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

Fixed Income

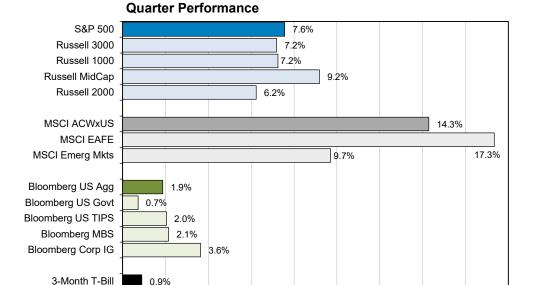
- While inflation declined during the 4th quarter, the Fed continued increasing interest rates with two increases totaling 1.25%. Despite the short-term increases, long-term interest rates remained relatively stable during the period. US interest rates moved slightly higher during the quarter with the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

Market Themes

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



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



1-Year Performance

4.0%

6.0%

8.0%

10.0%

12.0%

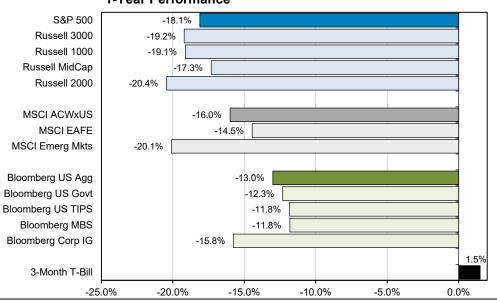
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16.0%

18.0%

2.0%

0.0%



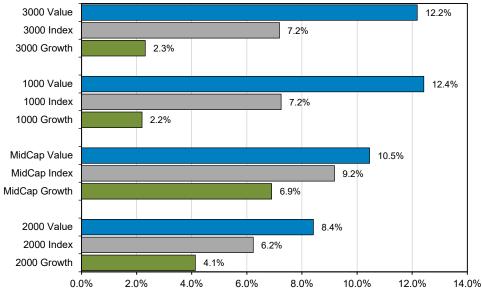
Source: Investment Metrics



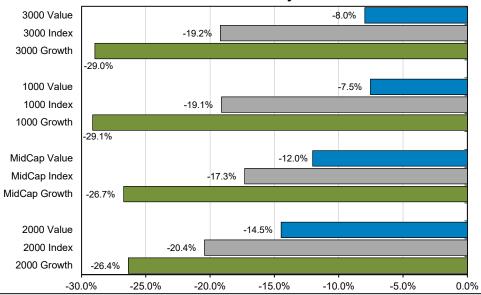
- Despite a pullback in December, equity markets broadly experienced strong absolute returns during the 4th quarter across both the style and market capitalization spectrums. With concerns about the potential for slowing economic conditions, large cap stocks resumed their leadership, followed by mid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

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

Quarter Performance - Russell Style Series



1-Year Performance - Russell Style Series

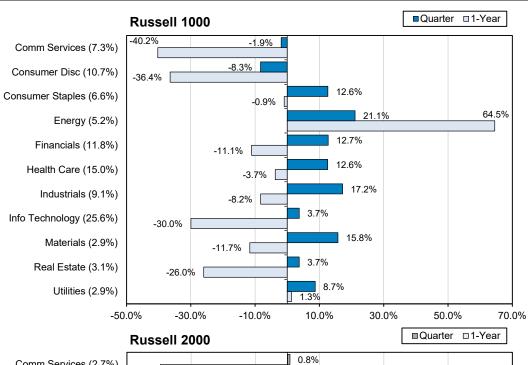


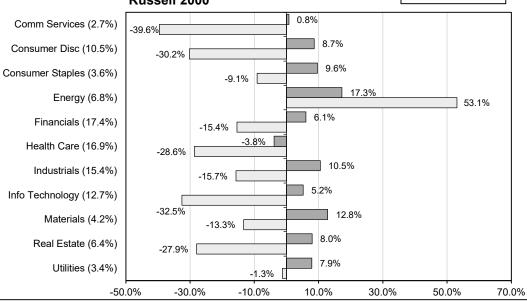
Source: Investment Metrics



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

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





Source: Morningstar Direct



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

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

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

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

Bottom 10 Performing Stocks (by Quarter)							
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector			
Carvana Co Class A	0.0%	-76.7%	-98.0%	Consumer Discretionary			
Opendoor Technologies Inc Class A	0.0%	-62.7%	-92.1%	Real Estate			
Tesla Inc	0.9%	-53.6%	-65.0%	Consumer Discretionary			
Lucid Group Inc Shs	0.0%	-51.1%	-82.1%	Consumer Discretionary			
Guardant Health Inc	0.0%	-49.5%	-72.8%	Health Care			
Affirm Holdings Inc - Class A	0.0%	-48.5%	-90.4%	Information Technology			
WeWork Inc	0.0%	-46.0%	-83.4%	Real Estate			
AppLovin Corp - Class A	0.0%	-46.0%	-88.8%	Information Technology			
Ginkgo Bioworks Holdings Inc	0.0%	-45.8%	-79.7%	Materials			
Olaplex Holdings Inc	0.0%	-45.5%	-82.1%	Consumer Staples			

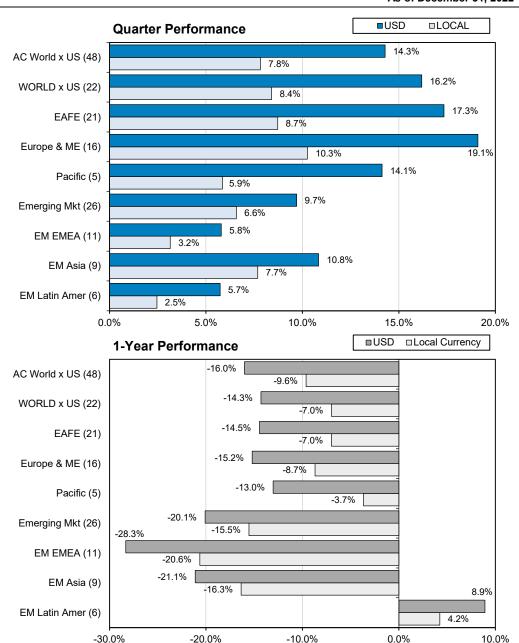
Bottom 10 Performing Stocks (by Quarter)							
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector			
Tricida Inc	0.0%	-98.5%	-98.4%	Health Care			
Relmada Therapeutics Inc	0.0%	-90.6%	-84.5%	Health Care			
Avaya Holdings Corp	0.0%	-87.7%	-99.0%	Information Technology			
Instil Bio Inc	0.0%	-87.0%	-96.3%	Health Care			
Greenidge Generation Holdings Inc.	0.0%	-85.5%	-98.2%	Information Technology			
Eiger BioPharmaceuticals Inc	0.0%	-84.3%	-77.3%	Health Care			
Cano Health Inc - Class A	0.0%	-84.2%	-84.6%	Health Care			
Gossamer Bio Inc	0.0%	-81.9%	-80.8%	Health Care			
Rockley Photonics Holdings Ltd	0.0%	-80.3%	-96.8%	Information Technology			
Boxed Inc	0.0%	-78.9%	-98.6%	Consumer Discretionary			

Source: Morningstar Direct



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

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



Source: MSCI Global Index Monitor (Returns are Net)



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

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

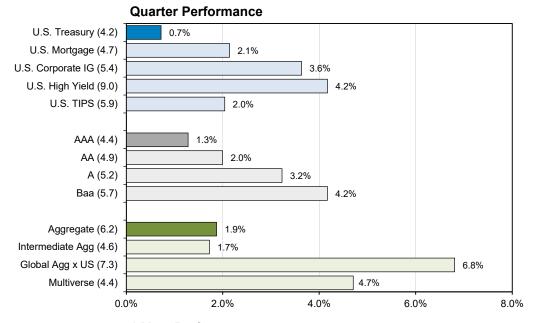
MSCI - Emerging Mkt	Sector Weight	Quarter Return	1-Year Return
Communication Services	8.9%	58.8%	1.8%
Consumer Discretionary	4.9%	46.2%	5.6%
Consumer Staples	22.1%	77.4%	48.9%
Energy	9.9%	92.9%	40.2%
Financials	6.1%	44.6%	24.5%
Health Care	4.1%	53.5%	3.8%
Industrials	6.4%	49.7%	18.8%
Information Technology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

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

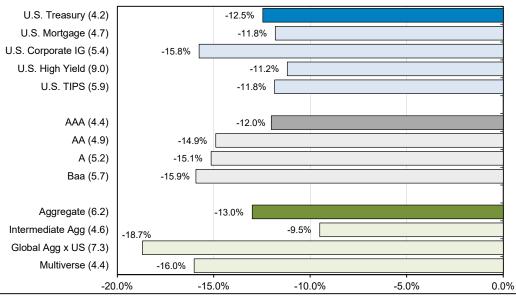
Source: Morningstar Direct, MSCI Global Index Monitor (Returns are Net in USD)



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



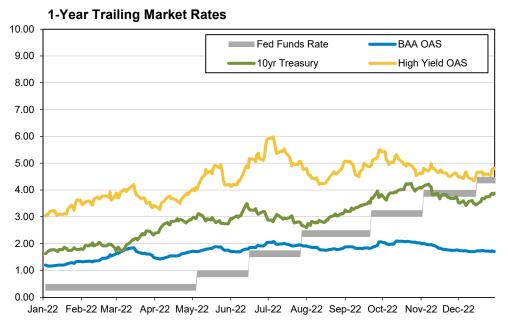
1-Year Performance

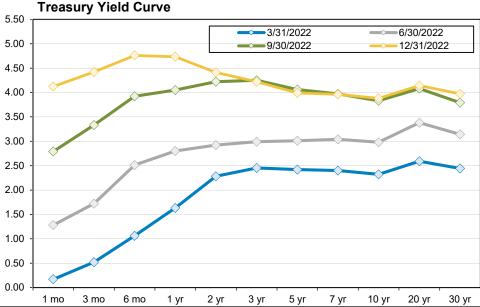


Source: Bloomberg



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





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



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Total Fund Compliance:	Yes	No
·	res	NO
The total plan return (net) equaled or exceeded the total plan benchmark over the trailing three year period.	•	
The total plan return (net) equaled or exceeded the total plan benchmark over the trailing five year period.	•	
The three year return ranks in the top 40% of its peers.	•	
The five year return ranks in the top 40% of its peers.	•	
The five year standard deviation is less than the total fund index standard deviation.	•	
Equity Compliance:	Yes	No
The total equity return (net) equaled or exceeded the benchmark over the trailing three year period.	•	
The total equity return (net) equaled or exceeded the benchmark over the trailing five year period.		•
The amount invested in any one issuing company is less than 5% of the Fund's total assets.	•	
The aggregate investment in any one company less than 5% of the outstanding stock of the company.	•	
The amount invested in common stocks and convertible bonds is less than or equal to 70% of the Total Fund's total assets at market value.	•	
Fixed Income Compliance:	Yes	No
The total fixed income return (net) equaled or exceeded the benchmark over the trailing three year period.		•
The total fixed income return (net) equaled or exceeded the benchmark over the trailing five year period.		•
The minimum quality rating of the domestic bond investments is BBB from Standard & Poor's or BAA from Moody's.	•	



West Palm Beach Police POB

Total Fund Net Return 31-Dec-22

	Beginning Market Value*	Total Fund Net Return	\$ Net Difference*	Ending Market Value*	Annualized Net Return*	POB Payback*	\$ POB G&L *	\$ Cummulative POE G&L *
July 2016	\$50,000,000	NA		\$50,000,000	NA			
August 2016	\$50,000,000	0.46%	\$230,550	\$50,230,550	0.46%	\$146,000	\$84,550	\$84,550
September 2016	\$50,230,550	0.42%	\$211,521	\$50,442,071	0.88%	\$146,000	\$65,521	\$150,071
12/31/2016	\$50,442,071	3.01%	\$1,517,096	\$51,959,167	3.92%	\$437,500	\$1,079,596	\$1,229,667
3/31/2017	\$51,959,167	3.61%	\$1,876,297	\$53,835,464	7.67%	\$437,500	\$1,438,797	\$2,668,464
6/30/2017	\$53,835,464	2.55%	\$1,372,212	\$55,207,676	10.44%	\$437,500	\$934,712	\$3,603,176
9/30/2017	\$55,207,676	3.65%	\$2,012,320	\$57,219,996	12.26%	\$437,500	\$1,574,820	\$5,177,996
12/31/2017	\$57,219,996	3.89%	\$2,226,373	\$59,446,369	12.99%	\$437,500	\$1,788,873	\$6,966,869
3/31/2018	\$59,446,369	-0.33%	(\$194,627)	\$59,251,741	10.72%	\$437,500	-\$632,127	\$6,334,742
6/30/2018	\$59,251,741	2.53%	\$1,501,439	\$60,753,181	10.70%	\$437,500	\$1,063,939	\$7,398,681
9/30/2018	\$60,753,181	3.46%	\$2,100,055	\$62,853,236	11.14%	\$437,500	\$1,662,555	\$9,061,236
12/31/2018	\$62,853,236	-9.35%	(\$5,876,778)	\$56,976,459	5.56%	\$437,500	-\$6,314,278	\$2,746,959
3/31/2019	\$56,976,459	8.80%	\$5,013,928	\$61,990,387	8.41%	\$437,500	\$4,576,428	\$7,323,387
6/30/2019	\$61,990,387	2.90%	\$1,797,721	\$63,788,108	8.72%	\$437,500	\$1,360,221	\$8,683,608
9/30/2019	\$63,788,108	0.38%	\$242,395	\$64,030,503	8.16%	\$437,500	-\$195,105	\$8,488,503
12/31/2019	\$64,030,503	5.82%	\$3,726,575	\$67,757,078	9.42%	\$437,500	\$3,289,075	\$11,777,578
3/31/2020	\$67,757,078	-14.48%	(\$9,811,225)	\$57,945,853	4.20%	\$437,500	-\$10,248,725	\$1,528,853
6/30/2020	\$57,945,853	12.68%	\$7,347,534	\$65,293,388	7.23%	\$437,500	\$6,910,034	\$8,438,888
9/30/2020	\$65,293,388	4.41%	\$2,879,438	\$68,172,826	7.88%	\$437,500	\$2,441,938	\$10,880,826
12/31/2020	\$68,172,826	12.37%	\$8,432,979	\$76,605,805	10.27%	\$437,500	\$7,995,479	\$18,876,305
3/31/2021	\$76,605,805	3.98%	\$3,048,911	\$79,654,716	10.62%	\$437,500	\$2,611,411	\$21,487,716
6/30/2021	\$79,654,716	4.65%	\$3,703,944	\$83,358,660	11.07%	\$437,500	\$3,266,444	\$24,754,160
9/30/2021	\$83,358,660	1.29%	\$1,074,576	\$84,433,236	10.78%	\$437,500	\$637,076	\$25,391,236
12/31/2021	\$84,433,236	4.54%	\$3,833,269	\$88,266,505	11.17%	\$437,500	\$3,395,769	\$28,787,005
3/31/2022	\$88,266,505	-3.75%	(\$3,309,994)	\$84,956,511	9.91%	\$437,500	-\$3,747,494	\$25,039,511
6/30/2022	\$84,956,511	-7.85%	(\$6,669,086)	\$78,287,425	7.97%	\$437,500	-\$7,106,586	\$17,932,925
9/30/2022	\$78,287,425	-3.41%	(\$2,669,601)	\$75,617,824	7.03%	\$437,500	-\$3,107,101	\$14,825,824
12/31/2022	\$75,617,824	4.51%	\$3,410,364	\$79,028,188	7.48%	\$437,500	\$2,972,864	\$17,798,688

^{*}Estimated

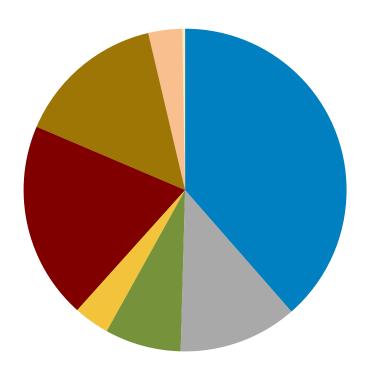


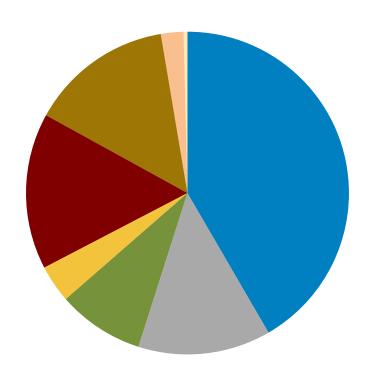
Asset Allocation Compliance					
	Asset Allocation \$	Current Allocation (%)	Target Allocation (%)	Differences (%)	Target Rebal. (\$000)
Total Fund Composite	434,921,102	100.0	100.0	0.0	
Eagle Equity	20,651,944	4.7	5.0	-0.3	1,094,111
Anchor Equity	22,838,832	5.3	5.0	0.3	-1,092,776
RhumbLine Equity S&P 500	38,556,910	8.9	5.0	3.9	-16,810,855
RhumbLine S&P Mid Cap 400	22,448,922	5.2	5.0	0.2	-702,866
Champlain MC Equity	21,857,721	5.0	5.0	0.0	-111,666
SSGA Small-Mid Cap Equity (SSMKX)	17,422,372	4.0	5.0	-1.0	4,323,684
RhumbLine R1000 Growth	8,548,424	2.0	2.5	-0.5	2,324,604
RhumbLine R1000 Value	9,305,070	2.1	2.5	-0.4	1,567,958
Barrow Hanley SCV	23,493,866	5.4	5.0	0.4	-1,747,811
Vanguard Intl Equity (VTRIX)	22,565,280	5.2	5.0	0.2	-819,225
RhumbLine International Equity	22,639,979	5.2	5.0	0.2	-893,924
Invesco Emerging Markets Equity	12,568,876	2.9	4.0	-1.1	4,827,968
Garcia Hamilton Fixed Income	32,943,667	7.6	18.0	-10.4	45,342,132
Vanguard Short Term Bond (VBITX)	4,991,275	1.1	0.0	1.1	-4,991,275
Lazard Emerging Markets Debt Blend Fund L.P.	7,925,523	1.8	2.0	-0.2	772,899
PGIM Emerging Market Debt	8,489,684	2.0	2.0	0.0	208,738
Blackrock Multi-Asset Income Fund	1,698,303	0.4	0.0	0.4	-1,698,303
Intercontinental	43,809,413	10.1	8.0	2.1	-9,015,725
J.P. Morgan	24,281,009	5.6	5.0	0.6	-2,534,954
Affiliated Housing Impact Fund LP	2,066,519	0.5	1.0	-0.5	2,282,692
ETG Co-Invest Opportunities Fund LP	14,685,913	3.4	4.0	-0.6	2,710,931
Aberdeen U.S. P.E. VII	14,175,511	3.3	2.0	1.3	-5,477,089
JP Morgan Global P.E. VII	12,120,863	2.8	2.0	0.8	-3,422,441
Taurus Private Markets Fund, LP	4,022,116	0.9	0.5	0.4	-1,847,510
JP Morgan Global P.E. IX	6,242,193	1.4	0.8	0.7	-2,980,285
Aberdeen U.S. P.E. IX	8,582,362	2.0	0.8	1.2	-5,320,454
JP Morgan Global P.E. X	467,955	0.1	0.0	0.1	-467,955
R&D Cash	5,519,158	1.3	0.0	1.3	-5,519,158



Asset Allocation By Segment as of September 30, 2022 : \$421,897,085

Asset Allocation By Segment as of December 31, 2022 : \$434,921,102



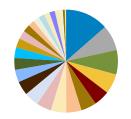


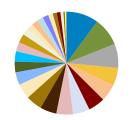
ocation					
Segments	Market Value	Allocation	Segments	Market Value	Allocation
■ Domestic Equity	162,698,399	38.6	■ Domestic Equity	181,048,057	41.6
International Equity	50,098,803	11.9	International Equity	57,774,135	13.3
■ Domestic Fixed Income	32,187,531	7.6	Domestic Fixed Income	37,718,833	8.7
Emerging Fixed Income	15,088,416	3.6	Emerging Fixed Income	16,415,207	3.8
■ Real Estate	83,429,561	19.8	Real Estate	68,090,422	15.7
■ Private Equity	62,880,578	14.9	Private Equity	62,363,432	14.3
Cash Equivalent	14,297,317	3.4	Cash Equivalent	9,823,088	2.3
Global Other	1,216,481	0.3	Global Other	1,687,928	0.4



Asset Allocation By Manager as of September 30, 2022 : \$421,897,085

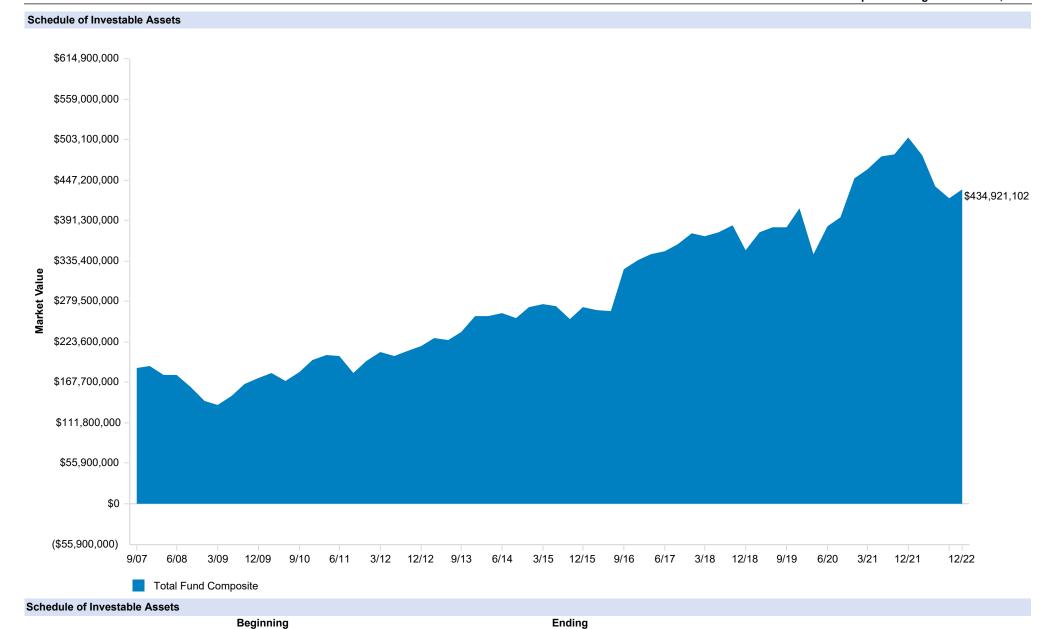
Asset Allocation By Manager as of December 31, 2022 : \$434,921,102





location			Allocation		
	Market Value	Allocation		Market Value	Allocation
■ Intercontinental	56,932,725	13.5	Intercontinental	43,809,413	10.1
■ Garcia Hamilton Fixed Income	33,748,141	8.0	■ RhumbLine Equity S&P 500	38,556,910	8.9
■ RhumbLine Equity S&P 500	32,498,689	7.7	■ Garcia Hamilton Fixed Income	32,943,667	7.6
J.P. Morgan	26,496,836	6.3	J.P. Morgan	24,281,009	5.6
■ Anchor Equity	20,713,597	4.9	Barrow Hanley SCV	23,493,866	5.4
■ Champlain MC Equity	20,382,007	4.8	Anchor Equity	22,838,832	5.3
Barrow Hanley SCV	20,162,457	4.8	RhumbLine International Equity	22,639,979	5.2
Eagle Equity	20,010,716	4.7	Vanguard Intl Equity (VTRIX)	22,565,280	5.2
■ Vanguard Intl Equity (VTRIX)	19,492,475	4.6	■ RhumbLine S&P Mid Cap 400	22,448,922	5.2
RhumbLine International Equity	19,314,691	4.6	Champlain MC Equity	21,857,721	5.0
■ RhumbLine S&P Mid Cap 400	18,517,681	4.4	Eagle Equity	20,651,944	4.7
SSGA Small-Mid Cap Equity (SSMKX)	16,616,963	3.9	SSGA Small-Mid Cap Equity (SSMKX)	17,422,372	4.0
■ ETG Co-Invest Opportunities Fund LP	15,707,030	3.7	■ ETG Co-Invest Opportunities Fund LP	14,685,913	3.4
Aberdeen U.S. P.E. VII	13,822,886	3.3	Aberdeen U.S. P.E. VII	14,175,511	3.3
■ JP Morgan Global P.E. VII	12,387,584	2.9	Invesco Emerging Markets Equity	12,568,876	2.9
■ Invesco Emerging Markets Equity	11,291,637	2.7	■ JP Morgan Global P.E. VII	12,120,863	2.8
R&D Cash	9,884,080	2.3	RhumbLine R1000 Value	9,305,070	2.1
RhumbLine R1000 Growth	8,364,059	2.0	Aberdeen U.S. P.E. IX	8,582,362	2.0
RhumbLine R1000 Value	8,277,563	2.0	RhumbLine R1000 Growth	8,548,424	2.0
■ PGIM Emerging Market Debt	7,783,311	1.8	PGIM Emerging Market Debt	8,489,684	2.0
Aberdeen U.S. P.E. IX	7,346,378	1.7	Lazard Emerging Markets Debt Blend Fund L.P.	7,925,523	1.8
Lazard Emerging Markets Debt Blend Fund L.P.	7,305,106	1.7	JP Morgan Global P.E. IX	6,242,193	1.4
JP Morgan Global P.E. IX	6,324,398	1.5	■ R&D Cash	5,519,158	1.3
■ Taurus Private Markets Fund, LP	4,066,991	1.0	Vanguard Short Term Bond (VBITX)	4,991,275	1.1
■ Affiliated Housing Impact Fund LP	2,714,448	0.6	Taurus Private Markets Fund, LP	4,022,116	0.9
Blackrock Multi-Asset Income Fund	1,222,343	0.3	Affiliated Housing Impact Fund LP	2,066,519	0.5
JP Morgan Global P.E. X	510,863	0.1	Blackrock Multi-Asset Income Fund	1,698,303	0.4
Mutual Fund Cash	1,434	0.0	JP Morgan Global P.E. X	467,955	0.1
■ Vanguard Short Term Bond (VBITX)	-	0.0	Mutual Fund Cash	1,444	0.0





Market Value

434,921,102



%Return

6.45

Periods Ending

Inception

Market Value

\$ 188,229,542

Financial Reconciliation Quarter to Date										
	Market Value 10/01/2022	Net Transfers	Contributions	Distributions	Other Expenses	Income	Net Flows	Management Fees	Return On Investment	Market Value 12/31/2022
Anchor Equity	20,713,597	-	-	-	-2,533	105,789	103,255	-	2,127,768	22,838,832
Barrow Hanley SCV	20,162,457	-	-	-	-2,587	55,475	17,594	-35,294	3,369,290	23,493,866
Champlain MC Equity	20,382,007	-	-	-	-2,477	51,494	2,485	-46,533	1,524,724	21,857,721
Eagle Equity	20,010,716	-	-	-	-2,447	36,228	-3,736	-37,517	681,192	20,651,944
RhumbLine Equity S&P 500	32,498,689	3,503,434	-	-	-1,320	173,282	3,671,962	-3,434	2,559,541	38,556,910
RhumbLine R1000 Growth	8,364,059	829	-	-	-223	25,273	25,049	-829	184,588	8,548,424
RhumbLine R1000 Value	8,277,563	943	-	-	-227	55,703	55,477	-943	1,027,734	9,305,070
RhumbLine S&P Mid Cap 400	18,517,681	1,848,909	-	-	-953	101,133	1,947,179	-1,909	2,085,194	22,448,922
SSGA Small-Mid Cap Equity (SSMKX)	16,616,963	-	-	-	-	257,315	257,315	-	805,409	17,422,372
Total Domestic Equity	165,543,730	5,354,115	-	-	-12,768	861,691	6,076,580	-126,458	14,365,440	185,124,059
Vanguard Intl Equity (VTRIX)	19,492,475	_	_	_	_	603,573	603,573	_	3,072,806	22,565,280
RhumbLine International Equity	19,314,691	2,623	_	_	-967	77.019	76.052	-2.623	3,326,255	22,639,979
Invesco Emerging Markets Equity	11,291,637	32,026	_	_	-907	77,019	70,032	-32,026	1,277,239	12,568,876
Total International & Emerging Equity	50,098,803	34,649			-967	680,591	679,624	-34,649	7,676,300	57,774,135
Total international & Emerging Equity	30,090,003	34,043	-	-	-301	000,331	079,024	-34,043	7,070,300	37,774,133
Garcia Hamilton Fixed Income	33,748,141	-1,427,759	-	-	-4,097	255,912	-1,192,801	-16,858	644,239	32,943,667
Vanguard Short Term Bond (VBITX)	-	5,000,000	-	_	-	6,427	5,006,427	-	-8,725	4,991,275
Total Domestic Fixed Composite	33,748,141	3,572,241	-	-	-4,097	262,339	3,813,625	-16,858	635,515	37,934,942
Lazard Emerging Markets Debt Blend Fund L.P.	7,305,106	_	_	_	-6,305	_	-13.849	-7.544	634,266	7.925.523
PGIM Emerging Market Debt	7,783,311	_	_	_	-	_	-8.389	-8.389	714,762	8,489,684
Total Global Fixed Composite	15,088,416	_	_	_	-6,305	_	-22,238	-15,933	1,349,028	16,415,207
Total Global Fixed Composite	10,000,410				0,000		22,200	10,000	1,040,020	10,410,201
Blackrock Multi-Asset Income Fund	1,222,343	440,000	-	-	-	19,453	459,453	-	35,960	1,698,303
J.P. Morgan	26,496,836	-301,604	-	-	-	122,871	-293,750	-115,017	-1,799,206	24,281,009
Intercontinental	56,932,725	-10,000,000	-	-	-	289,930	-9,861,647	-151,577	-2,971,736	43,809,413
Affiliated Housing Impact Fund LP	2,714,448	-859,987	-	-	-	-	-859,987	-	212,058	2,066,519
Total Real Estate Composite	86,144,009	-11,161,591	-	-	-	412,801	-11,015,383	-266,593	-4,558,884	70,156,941
Aberdeen U.S. P.E. VII	13,822,886	-463,888	_	_	_	_	-463,888	_	816,513	14,175,511
Aberdeen U.S. P.E. IX	7,346,378	840,000	_	_	_	_	840,000	_	395,984	8,582,362
JP Morgan Global P.E. VII	12,387,584	-46,098	_	_	_	_	-77,459	-31,361	-189,262	12,120,863
JP Morgan Global P.E. IX	6,324,398	-	_	_	_	_		-	-82,205	6,242,193
JP Morgan Global P.E. X	510,863	_	_	_	_	_	_	_	-42,908	467,955
Taurus Private Markets Fund, LP	4,066,991	-	_	_	_	_	_	_	-44,875	4,022,116
Total Private Equity	44,459,100	330,014	-	_	_	_	298,653	-31,361	853,247	45,611,000
1. 7	, ,							,		
ETG Co-Invest Opportunities Fund LP	15,707,030	-	-	-	-	-	-	-	-1,021,117	14,685,913
Total Alternatives	15,707,030	_	-	_	-	-	-	-	-1,021,117	14,685,913



Financial Reconciliation Total Fund

Quarter To Date Ending December 31, 2022

	Market Value 10/01/2022	Net Transfers	Contributions	Distributions	Other Expenses	Income	Net Flows	Management Fees	Return On Investment	Market Value 12/31/2022
R&D Cash	9,884,080	1,426,086	6,592,332	-12,340,251	-108,096	50,788	-4,379,140	-	65,006	5,519,158
Mutual Fund Cash	1,434	4,485	-	-	-4,485	11	11	-	11	1,444
Total Fund Composite	421,897,085	-	6,592,332	-12,340,251	-136,718	2,287,674	-4,088,815	-491,853	19,400,505	434,921,102



Asset Allocation & Performance	Allocatio						Dorform	nance(%)				
		on					Pertorn	nance(%)				
	Market Value \$	%	QTR	FYTD	1 YR	3 YR	5 YR	7 YR	10 YR	15 YR	Inception	Inception Date
Total Fund Composite	434,921,102	100.0	4.62 (79)	4.62 (79)	-10.09 (19)	5.78 (15)	6.46 (10)	7.99 (14)	8.18 (12)	6.53 (8)	6.45 (6)	10/01/2007
Total Fund Policy Index			5.91 (45)	5.91 (45)	-12.75 (48)	4.48 (37)	5.55 (38)	7.39 (31)	7.89 (18)	6.50 (9)	6.31 (9)	
All Public Plans-Total Fund Median			5.67	5.67	-12.91	3.95	5.22	6.97	7.17	5.80	5.62	
Total Equity Composite	242,898,194	55.8	10.01	10.01	-17.88	4.81	6.09	8.44	8.96	6.50	6.30	10/01/2007
Total Equity Policy Index			9.72	9.72	-18.42	4.47	5.93	8.94	9.81	7.10	6.74	
Total Domestic Equity	185,124,059	42.6										
RhumbLine Equity S&P 500	38,556,910	8.9	7.56 (60)	7.56 (60)	-18.09 (54)	7.67 (43)	9.42 (39)	11.46 (41)	N/A	N/A	10.68 (37)	07/01/2015
S&P 500 Index			7.56 (59)	7.56 (59)	-18.11 (56)	7.66 (44)	9.42 (38)	11.48 (39)	12.56 (42)	8.81 (58)	10.70 (36)	
IM U.S. Large Cap Equity (SA+CF) Median			8.14	8.14	-17.57	7.42	9.07	11.10	12.36	8.89	10.20	
RhumbLine R1000 Value	9,305,070	2.1	12.42 (56)	12.42 (56)	-7.48 (70)	5.97 (86)	6.67 (81)	N/A	N/A	N/A	7.84 (85)	06/01/2017
Russell 1000 Value Index			12.42 (56)		-7.54 (70)	5.96 (86)	6.67 (81)	9.12 (80)	10.29 (84)	6.96 (89)	7.84 (85)	
IM U.S. Large Cap Value Equity (SA+CF) Median			12.75	12.75	-5.44	8.06	8.11	10.46	11.33	8.26	9.50	
RhumbLine R1000 Growth	8,548,424	2.0	2.21 (73)	2.21 (73)	-29.10 (49)	7.86 (28)	11.00 (29)	N/A	N/A	N/A	12.95 (27)	04/01/2017
Russell 1000 Growth Index			2.20 (73)	2.20 (73)	-29.14 (49)	7.79 (30)	10.96 (30)	12.95 (21)	14.10 (25)	10.32 (30)	12.92 (27)	
IM U.S. Large Cap Growth Equity (SA+CF) Median			3.91	3.91	-29.57	6.30	9.98	11.65	13.26	9.77	11.87	
RhumbLine S&P Mid Cap 400	22,448,922	5.2	10.77 (40)	10.77 (40)	-13.04 (39)	7.23 (37)	6.70 (69)	N/A	N/A	N/A	9.13 (69)	10/01/2016
S&P MidCap 400 Index			10.78 (36)	10.78 (36)	-13.06 (41)	7.23 (37)	6.71 (68)	9.94 (54)	10.78 (67)	8.87 (56)	9.14 (68)	
IM U.S. Mid Cap Equity (SA+CF) Median			9.73	9.73	-13.95	6.55	7.58	10.02	11.28	8.94	9.67	
Anchor Equity	22,838,832	5.3	10.27 (82)	10.27 (82)	-9.94 (64)	4.00 (90)	7.62 (34)	9.23 (67)	10.11 (82)	7.89 (91)	7.78 (80)	10/01/2007
Russell Midcap Value Index			10.45 (76)	10.45 (76)	-12.03 (76)	5.82 (74)	5.72 (74)	8.73 (77)	10.11 (82)	7.96 (91)	7.39 (89)	
IM U.S. Mid Cap Value Equity (SA+CF) Median			12.09	12.09	-8.49	7.42	6.86	9.89	11.04	8.91	8.36	
Champlain MC Equity	21,857,721	5.0	7.48 (91)	7.48 (91)	-25.63 (95)	6.96 (58)	N/A	N/A	N/A	N/A	7.38 (72)	08/01/2019
Russell Midcap Index			9.18 (66)	9.18 (66)	-17.32 (67)	5.88 (81)	7.10 (44)	9.61 (71)	10.96 (50)	8.44 (89)	6.97 (81)	
IM U.S. Mid Cap Core Equity (SA+CF) Median			9.99	9.99	-13.10	7.14	6.93	9.94	10.92	8.92	8.03	
SSGA Small-Mid Cap Equity (SSMKX)	17,422,372	4.0	4.85 (98)	4.85 (98)	-25.41 (99)	3.57 (80)	N/A	N/A	N/A	N/A	3.21 (71)	09/01/2018
Russell 2500 Index			7.43 (92)	7.43 (92)	-18.37 (84)	5.00 (60)	5.89 (32)	9.00 (33)	10.03 (30)	8.10 (21)	4.04 (53)	
IM U.S. SMID Cap Core Equity (MF) Median			9.71	9.71	-14.67	5.63	4.85	8.13	9.12	7.19	4.17	
Eagle Equity	20,651,944	4.7	3.40 (62)	3.40 (62)	-26.62 (43)	2.93 (82)	6.16 (85)	9.25 (81)	10.44 (95)	N/A	9.15 (95)	07/01/2011
Russell 2000 Growth Index			4.13 (56)	4.13 (56)	-26.36 (42)	0.65 (98)	3.51 (98)	7.09 (97)	9.20 (99)	7.26 (96)	8.18 (99)	
IM U.S. Small Cap Growth Equity (SA+CF) Median			4.52	4.52	-27.30	5.50	8.73	11.29	12.24	9.88	10.89	

 $^{^{\}star}$ Returns for these funds are presented on the IRR page.



	Allocatio	n					Perform	ance(%)				
	Market Value \$	%	QTR	FYTD	1 YR	3 YR	5 YR	7 YR	10 YR	15 YR	Inception	Inception Date
Barrow Hanley SCV Russell 2000 Value Index IM U.S. Small Cap Value Equity (SA+CF) Median	23,493,866	5.4	16.72 (3) 8.42 (86) 11.05	16.72 (3) 8.42 (86) 11.05	-8.88 (36) -14.48 (80) -10.85	N/A 4.70 (85) 7.53	N/A 4.13 (88) 5.74	N/A 8.23 (81) 9.59	N/A 8.48 (91) 10.43	N/A 6.81 (97) 8.89	-3.96 (45) -9.05 (83) -4.38	06/01/2021
Total International Equity	57,774,135	13.3										
Vanguard Intl Equity (VTRIX) MSCI EAFE Value IM International Large Cap Value Equity (MF) Median	22,565,280	5.2	` ,	15.76 (95) 19.73 (40) 19.00	-11.66 (77) -4.95 (5) -10.58	1.30 (42) 1.26 (42) 0.80	1.36 (26) 0.79 (37) 0.35	5.26 (8) 4.30 (22) 3.44	N/A 4.10 (30) 3.46	N/A 1.42 (34) 1.05	4.32 (14) 3.98 (27) 3.28	07/01/2013
Invesco Emerging Markets Equity MSCI Emerging Markets Index IM Emerging Markets Equity (SA+CF) Median	12,568,876	2.9	11.31 (36) 9.79 (61) 10.59	` ,	` ,	, ,	-1.15 (68) -1.03 (67) -0.12	4.83 (82) 5.56 (64) 5.86	2.49 (64) 1.81 (82) 2.82	N/A 1.00 (80) 2.00	2.49 (65) 1.81 (82) 2.82	01/01/2013
RhumbLine International Equity MSCI EAFE Index IM International Equity (SA+CF) Median	22,639,979	5.2	, ,	, ,	-14.12 (37) -14.01 (36) -16.40	1.13 (56) 1.34 (52) 1.42	1.80 (54) 2.03 (49) 1.95	5.88 (41) 5.03 (64) 5.51	N/A 5.16 (68) 5.82	N/A 2.29 (79) 3.59	5.95 (69) 6.24 (59) 6.60	02/01/2016
Total Fixed Income Composite	54,350,148	12.5	4.22	4.22	-9.52	-2.24	0.14	0.84	1.40	2.89	3.08	10/01/2007
Fixed Income Index			1.72	1.72	-9.51	-1.93	0.31	0.82	1.00	2.46	2.61	
Total Domestic Fixed Composite	37,934,942	8.7										
Garcia Hamilton Fixed Income Fixed Income Index IM U.S. Intermediate Duration (SA+CF) Median	32,943,667	7.6	2.04 (10) 1.72 (33) 1.56	2.04 (10) 1.72 (33) 1.56	-7.51 (27) -9.51 (91) -8.11		0.74 (83) 0.31 (99) 1.01	1.29 (69) 0.82 (99) 1.43	1.71 (24) 1.00 (96) 1.44	3.43 (16) 2.46 (92) 2.93	3.60 (13) 2.61 (91) 3.06	10/01/2007
Vanguard Short Term Bond (VBITX) Bloomberg 1-5 Year Gov/Credit ldx IM U.S. Short Term Investment Grade (MF) Median	4,991,275	1.1	N/A 1.20 (46) 1.17	N/A 1.20 (46) 1.17	N/A -5.50 (97) -3.16	N/A -0.67 (99) 0.59	N/A 0.85 (98) 1.62	N/A 1.01 (94) 1.79	N/A 0.98 (94) 1.57	N/A 1.92 (75) 2.28	N/A N/A N/A	01/01/2023
Total Global Fixed Composite	16,415,207	3.8										
Lazard Emerging Markets Debt Blend Fund L.P. JPM EMBI / GBI-EM Global Diversified IM Emerging Markets Debt (SA+CF) Median	7,925,523	1.8	8.69 (40) 8.29 (56) 8.42	` ,	-16.92 (86) -14.75 (68) -12.24	N/A N/A -3.53	N/A N/A -0.64	N/A N/A 2.79	N/A N/A 1.22	N/A N/A 4.50	-14.65 (88) -12.79 (77) -10.69	08/01/2021



 $^{^{\}star}$ Returns for these funds are presented on the IRR page.

	Allocation	Allocation Performance(%)										
	Market Value \$	%	QTR	FYTD	1 YR	3 YR	5 YR	7 YR	10 YR	15 YR	Inception	Inception Date
PGIM Emerging Market Debt	8,489,684	2.0	9.19 (28)	9.19 (28)	-12.28 (52)	N/A	N/A	N/A	N/A	N/A	-10.61 (48)	08/01/2021
JPM EMBI / GBI-EM Global Diversified IM Emerging Markets Debt (SA+CF) Median			8.29 (56) 8.42	8.29 (56) 8.42	-14.75 (68) -12.24	N/A -3.53	N/A -0.64	N/A 2.79	N/A 1.22	N/A 4.50	-12.79 (77) -10.69	



 $^{^{\}star}$ Returns for these funds are presented on the IRR page.

	Allocatio	n					Perform	nance(%)				
	Market Value \$	%	QTR	FYTD	1 YR	3 YR	5 YR	7 YR	10 YR	15 YR	Inception	Inception Date
Blackrock Multi-Asset Income Fund 50% MSCI World Index (Net)/50% BB US Agg Index IM Flexible Portfolio (MF) Median	1,698,303	0.4	5.29 (49) 5.87 (44) 5.14	5.29 (49) 5.87 (44) 5.14	N/A -15.33 (70) -12.97	N/A 1.47 (44) 0.83	N/A 3.41 (33) 2.27	N/A 4.94 (41) 4.45	N/A 5.14 (37) 4.45	N/A 4.38 (46) 4.21	-7.60 (35) -10.42 (68) -8.97	03/01/2022
Total Real Estate	70,156,941	16.1										
Intercontinental Real Estate Policy IM U.S. Private Real Estate (SA+CF) Median	43,809,413	10.1	-6.06 (78) -4.89 (40) -5.18	-6.06 (78) -4.89 (40) -5.18	8.28 (32) 8.42 (30) 6.78	11.03 (31) 10.64 (37) 9.72	10.66 (18) 9.23 (40) 9.01	10.68 (18) 9.03 (50) 9.01	12.10 (18) 10.38 (55) 10.56	N/A 6.28 (55) 6.57	12.41 (31) 11.33 (58) 11.65	07/01/2010
J.P. Morgan Real Estate Policy IM U.S. Private Real Estate (SA+CF) Median	24,281,009	5.6	-6.90 (97) -4.89 (40) -5.18	-6.90 (97) -4.89 (40) -5.18	-0.66 (87) 8.42 (30) 6.78	8.59 (61) 10.64 (37) 9.72	8.75 (57) 9.23 (40) 9.01	9.12 (48) 9.03 (50) 9.01	N/A 10.38 (55) 10.56	N/A 6.28 (55) 6.57	10.83 (27) 10.00 (51) 10.04	07/01/2014
Affiliated Housing Impact Fund LP	2,066,519	0.5	10.47	10.47	32.48	N/A	N/A	N/A	N/A	N/A	N/A	12/15/2020
Total Alternatives	14,685,913	3.4	-6.50	-6.50	-21.07	N/A	N/A	N/A	N/A	N/A	-1.92	06/01/2020
ETG Co-Invest Opportunities Fund LP HFRI Fund of Funds Composite Index	14,685,913	3.4	-6.50 1.67	-6.50 1.67	-21.07 -5.36	N/A 3.67	N/A 3.00	N/A 3.31	N/A 3.50	N/A 1.72	-1.92 5.73	06/01/2020
Total Private Equity *	45,611,000	10.5										
R&D Cash	5,519,158	1.3										

 $^{^{\}star}$ Returns for these funds are presented on the IRR page.

Asset Allocation & Performance												
	Allocatio	n					Perforn	nance(%)				
	Market Value \$	%	QTR	FYTD	1 YR	3 YR	5 YR	7 YR	10 YR	15 YR	Inception	Inceptior Date
Total Fund Composite	434,921,102	100.0	4.51 (86)	4.51 (86)	-10.46 (12)	5.26 (8)	5.97 (12)	7.48 (13)	7.66 (16)	6.09 (16)	6.02 (15)	10/01/200
Total Fund Policy Index			5.91 (50)	5.91 (50)	-12.75 (32)	4.48 (22)	5.55 (23)	7.39 (16)	7.89 (11)	6.50 (7)	6.31 (8)	
All Public Plans-Total Fund Median			5.90	5.90	-14.14	3.50	4.93	6.61	6.84	5.51	5.38	
Total Equity Composite	242,898,194	55.8	9.94	9.94	-18.13	4.48	5.76	8.09	8.52	6.08	5.89	10/01/2007
Total Equity Policy Index	, ,		9.72	9.72	-18.42	4.47	5.93	8.94	9.81	7.10	6.74	
Total Domestic Equity	185,124,059	42.6										
RhumbLine Equity S&P 500	38,556,910	8.9	7.55	7.55	-18.12	7.63	9.37	11.42	N/A	N/A	10.64	07/01/2015
S&P 500 Index	00,000,010	0.0	7.56	7.56	-18.11	7.66	9.42	11.48	12.56	8.81	10.70	0170172010
RhumbLine R1000 Value	9,305,070	2.1	12.40	12.40	-7.52	5.93	6.63	N/A	N/A	N/A	7.80	06/01/2017
Russell 1000 Value Index			12.42	12.42	-7.54	5.96	6.67	9.12	10.29	6.96	7.84	
RhumbLine R1000 Growth	8,548,424	2.0	2.20	2.20	-29.12	7.82	10.95	N/A	N/A	N/A	12.90	04/01/2017
Russell 1000 Growth Index			2.20	2.20	-29.14	7.79	10.96	12.95	14.10	10.32	12.92	
RhumbLine S&P Mid Cap 400	22,448,922	5.2	10.76	10.76	-13.07	7.19	6.65	N/A	N/A	N/A	9.08	10/01/2016
S&P MidCap 400 Index			10.78	10.78	-13.06	7.23	6.71	9.94	10.78	8.87	9.14	
Anchor Equity	22,838,832	5.3	10.27	10.27	-10.30	3.53	7.13	8.73	9.57	7.40	7.29	10/01/2007
Russell Midcap Value Index			10.45	10.45	-12.03	5.82	5.72	8.73	10.11	7.96	7.39	
Champlain MC Equity	21,857,721	5.0	7.25	7.25	-26.32	6.04	N/A	N/A	N/A	N/A	6.51	08/01/2019
Russell Midcap Index			9.18	9.18	-17.32	5.88	7.10	9.61	10.96	8.44	6.97	
SSGA Small-Mid Cap Equity (SSMKX)	17,422,372	4.0	4.85	4.85	-25.41	3.57	N/A	N/A	N/A	N/A	3.21	09/01/2018
Russell 2500 Index			7.43	7.43	-18.37	5.00	5.89	9.00	10.03	8.10	4.04	
Eagle Equity	20,651,944	4.7	3.22	3.22	-27.19	2.12	5.34	8.42	9.60	N/A	8.34	07/01/2011
Russell 2000 Growth Index			4.13	4.13	-26.36	0.65	3.51	7.09	9.20	7.26	8.18	
Barrow Hanley SCV	23,493,866	5.4		16.54	-9.53	N/A	N/A	N/A	N/A	N/A	-4.56	06/01/2021
Russell 2000 Value Index			8.42	8.42	-14.48	4.70	4.13	8.23	8.48	6.81	-9.05	



^{*} Returns for these funds are presented on the IRR page.

	Allocatio	Performance(%)										
	Market Value \$	%	QTR	FYTD	1 YR	3 YR	5 YR	7 YR	10 YR	15 YR	Inception	Inception Date
Total International Equity	57,774,135	13.3										
Vanguard Intl Equity (VTRIX) MSCI EAFE Value	22,565,280	5.2	15.76 19.73	15.76 19.73	-11.66 -4.95	1.30 1.26	1.36 0.79	5.26 4.30	N/A 4.10	N/A 1.42	4.32 3.98	07/01/2013
Invesco Emerging Markets Equity MSCI Emerging Markets Index	12,568,876	2.9	11.04 9.79	11.04 9.79	-24.71 -19.74	-6.29 -2.34	-1.87 -1.03	4.07 5.56	1.72 1.81	N/A 1.00	1.72 1.81	01/01/2013
RhumbLine International Equity MSCI EAFE Index	22,639,979	5.2	17.21 17.40	17.21 17.40	-14.17 -14.01	1.09 1.34	1.76 2.03	5.84 5.03	N/A 5.16	N/A 2.29	5.91 6.24	02/01/2016
Total Fixed Income Composite Fixed Income Index	54,350,148	12.5	4.15 1.72	4.15 1.72	-9.76 -9.51	-2.43 -1.93	-0.06 0.31	0.65 0.82	1.20 1.00	2.71 2.46	2.90 2.61	10/01/2007
Total Domestic Fixed Composite	37.934.942	8.7										
·	- , ,-											
Garcia Hamilton Fixed Income Fixed Income Index	32,943,667	7.6	1.99 1.72	1.99 1.72	-7.70 -9.51	-1.44 -1.93	0.55 0.31	1.10 0.82	1.52 1.00	3.25 2.46	3.41 2.61	10/01/2007
Vanguard Short Term Bond (VBITX) Bloomberg 1-5 Year Gov/Credit Idx	4,991,275	1.1	N/A 1.20	N/A 1.20	N/A -5.50	N/A -0.67	N/A 0.85	N/A 1.01	N/A 0.98	N/A 1.92	N/A N/A	01/01/2023
Total Global Fixed Composite	16,415,207	3.8										
Lazard Emerging Markets Debt Blend Fund L.P. JPM EMBI / GBI-EM Global Diversified	7,925,523	1.8	8.58 8.29	8.58 8.29	-17.26 -14.75	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	-14.96 -12.79	08/01/2021
PGIM Emerging Market Debt JPM EMBI / GBI-EM Global Diversified	8,489,684	2.0	9.08 8.29	9.08 8.29	-12.65 -14.75	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	-10.91 -12.79	08/01/2021
Blackrock Multi-Asset Income Fund 50% MSCI World Index (Net)/50% BB US Agg Index	1,698,303	0.4	5.29 5.87	5.29 5.87	N/A -15.33	N/A 1.47	N/A 3.41	N/A 4.94	N/A 5.14	N/A 4.38	-7.60 -10.42	03/01/2022
Total Real Estate	70,156,941	16.1										
Intercontinental Real Estate Policy	43,809,413	10.1	-6.34 -4.89	-6.34 -4.89	7.49 8.42	9.34 10.64	9.13 9.23	9.11 9.03	10.36 10.38	N/A 6.28	11.00 11.33	07/01/2010
J.P. Morgan Real Estate Policy	24,281,009	5.6	-7.31 -4.89	-7.31 -4.89	-2.22 8.42	6.89 10.64	7.09 9.23	7.44 9.03	N/A 10.38	N/A 6.28	9.22 10.00	07/01/2014

 $^{^{\}star}$ Returns for these funds are presented on the IRR page.



	Allocatio	n		Performance(%)								
	Market Value \$	%	QTR	FYTD	1 YR	3 YR	5 YR	7 YR	10 YR	15 YR	Inception	Inception Date
Affiliated Housing Impact Fund LP	2,066,519	0.5	10.47	10.47	30.88	N/A	N/A	N/A	N/A	N/A	N/A	12/15/2020
Total Alternatives	14,685,913	3.4	-6.50	-6.50	-21.07	N/A	N/A	N/A	N/A	N/A	-1.99	06/01/2020
ETG Co-Invest Opportunities Fund LP HFRI Fund of Funds Composite Index	14,685,913	3.4	-6.50 1.67	-6.50 1.67	-21.07 -5.36	N/A 3.67	N/A 3.00	N/A 3.31	N/A 3.50	N/A 1.72	-1.99 5.73	06/01/2020
Total Private Equity *	45,611,000	10.5										
R&D Cash	5,519,158	1.3										



 $^{^{\}star}$ Returns for these funds are presented on the IRR page.

Comparative Performance - IRR Private Equity

As of December 31, 2022

Comparative Performance - IRR							
	QTD	FYTD	1 YR	3 YR	5 YR	Inception	Inception Date
Aberdeen U.S. P.E. VII	6.07	6.07	41.02	37.76	N/A	37.70	05/16/2018
JP Morgan Global P.E. VII	-1.78	-1.78	13.29	20.07	N/A	15.81	05/18/2018
ETG Co-Invest Opportunities Fund LP	-6.50	-6.50	-22.86	N/A	N/A	-10.88	06/04/2020
Taurus Private Markets Fund, LP	-1.10	-1.10	4.82	N/A	N/A	1.58	04/07/2020
JP Morgan Global P.E. IX	-1.30	-1.30	13.13	N/A	N/A	17.45	11/06/2020
Aberdeen U.S. P.E. IX	5.13	5.13	43.91	N/A	N/A	44.79	06/03/2021
JP Morgan Global P.E. X	-8.40	-8.40	N/A	N/A	N/A	-12.71	07/12/2022



Private Equity Summary of Partnership								
Partnerships	Vintage Year	Investment Strategy	Capital Commitment \$	Drawn Down \$	Market Value \$	Distributed \$	IRR (%)	TVPI Multiple
Aberdeen U.S. P.E. VII	2017	Buyouts	12,000,000	10,602,185	14,175,511	10,792,803	37.7	2.4
ETG Co-Invest Opportunities Fund LP	2020	Hybrid	20,000,000	17,438,210	14,685,913	-	-10.9	0.8
JP Morgan Global P.E. VII	2017	Other	12,000,000	10,495,912	12,120,863	2,538,738	15.8	1.4
JP Morgan Global P.E. IX	2020	Hybrid	12,000,000	5,204,106	6,242,193	277,354	17.5	1.3
Taurus Private Markets Fund, LP	2019	Buyouts	12,000,000	4,007,603	4,022,116	85,182	1.6	1.0
Aberdeen U.S. P.E. IX	2021	Buyout - Small	12,000,000	6,000,000	8,582,362	37,347	44.8	1.4
JP Morgan Global P.E. X	2022	Hybrid	12,000,000	536,086	467,955	-	-12.7	0.9



	Allocation	n			Performance(%)		
	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
Total Fund Composite	434,921,102	100.0	-9.82	24.33	7.03	2.68	10.34
Total Fund Policy Index			-13.78	24.26	6.45	2.87	9.50
Total Equity Composite	242,898,194	55.8	-21.28	33.06	8.45	0.17	12.87
Total Equity Policy Index			-21.39	35.35	6.29	-0.12	13.66
Total Domestic Equity	185,124,059	42.6					
361 Capital (BRC Equity)	-	0.0	N/A	N/A	N/A	N/A	N/A
Russell 1000 Value Index			-11.36 (67)	35.01 (58)	-5.03 (66)	4.00 (39)	9.45 (75)
IM U.S. Large Cap Value Equity (SA+CF) Median			-9.53	36.98	-3.28	2.49	11.73
RhumbLine Equity S&P 500	38,556,910	8.9	-15.45 (52)	29.99 (57)	15.16 (43)	4.24 (39)	17.87 (44)
S&P 500 Index			-15.47 (54)	30.00 (57)	15.15 (43)	4.25 (38)	17.91 (41)
IM U.S. Large Cap Equity (SA+CF) Median			-15.35	30.80	13.78	3.41	17.33
RhumbLine R1000 Value	9,305,070	2.1	-11.30 (66)	34.91 (59)	-4.98 (65)	4.00 (39)	9.43 (75)
Russell 1000 Value Index			-11.36 (67)	35.01 (58)	-5.03 (66)	4.00 (39)	9.45 (75)
IM U.S. Large Cap Value Equity (SA+CF) Median			-9.53	36.98	-3.28	2.49	11.73
RhumbLine R1000 Growth	8,548,424	2.0	-22.56 (39)	27.37 (49)	37.62 (31)	3.72 (52)	26.25 (39)
Russell 1000 Growth Index			-22.59 (40)	27.32 (49)	37.53 (31)	3.71 (52)	26.30 (39)
IM U.S. Large Cap Growth Equity (SA+CF) Median			-25.12	27.23	33.78	3.81	24.81
Garcia Hamilton Equity	-	0.0	N/A	N/A	N/A	N/A	N/A
Russell 1000 Growth Index			-22.59 (40)	27.32 (49)	37.53 (31)	3.71 (52)	26.30 (39)
IM U.S. Large Cap Growth Equity (SA+CF) Median			-25.12	27.23	33.78	3.81	24.81
RhumbLine S&P Mid Cap 400	22,448,922	5.2	-15.23 (44)	43.61 (35)	-2.12 (60)	-2.49 (78)	14.16 (57)
S&P MidCap 400 Index			-15.25 (46)	43.68 (33)	-2.16 (63)	-2.49 (79)	14.21 (53)
IM U.S. Mid Cap Equity (SA+CF) Median			-16.04	38.83	2.47	2.04	14.39
Anchor Equity	22,838,832	5.3	-12.07 (61)	26.99 (98)	-3.19 (17)	9.76 (5)	14.65 (13)
Russell Midcap Value Index			-13.56 (76)	42.40 (71)	-7.30 (43)	1.60 (51)	8.81 (55)
IM U.S. Mid Cap Value Equity (SA+CF) Median			-11.20	46.53	-8.20	1.71	9.37
Oak Ridge Equity	-	0.0	N/A	N/A	N/A	N/A	N/A
Russell Midcap Growth Index			-29.50 (52)	30.45 (61)	23.23 (58)	5.20 (57)	21.10 (59)
IM U.S. Mid Cap Growth Equity (SA+CF) Median			-29.43	31.45	24.83	6.33	22.26



	Allocatio	n			Performance(%)		
	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
New Amsterdam Equity	-	0.0	N/A	N/A	N/A	N/A	6.13 (92)
Russell 2500 Index			-21.11 (58)	45.03 (50)	2.22 (50)	-4.04 (61)	16.19 (47)
IM U.S. SMID Cap Equity (SA+CF) Median			-19.01	44.73	1.88	-2.81	15.60
SSGA Small-Mid Cap Equity (SSMKX)	17,422,372	4.0	-27.95 (100)	41.30 (73)	13.27 (1)	-3.36 (39)	N/A
Russell 2500 Index			-21.11 (86)	45.03 (50)	2.22 (8)	-4.04 (42)	16.19 (14)
IM U.S. SMID Cap Core Equity (MF) Median			-17.06	44.98	-5.89	-4.79	10.88
Eagle Equity	20,651,944	4.7	-29.70 (57)	28.39 (90)	27.74 (45)	-9.53 (73)	32.48 (30)
Russell 2000 Growth Index	, ,		-29.27 (55)	33.27 (75)	15.71 (68)	-9.63 (74)	21.06 (79)
IM U.S. Small Cap Growth Equity (SA+CF) Median			-28.76	39.70	24.65	-5.99	27.73
Wellington	_	0.0	N/A	N/A	-23.30 (98)	-4.33 (35)	11.34 (35)
Russell 2000 Value Index			-17.69 (81)	63.92 (35)	-14.88 (63)	-8.24 (63)	9.33 (49)
IM U.S. Small Cap Value Equity (SA+CF) Median			-13.80	59.15	-13.32	-6.34	9.18
Total International & Emerging Equity	57,774,135	13.3					
Vanguard Intl Equity (VTRIX)	22,565,280	5.2	-22.20 (38)	30.92 (34)	-4.10 (32)	-2.62 (12)	1.90 (7)
MSCI EAFE Value			-19.62 (10)	31.43 (32)	-11.45 (100)	-4.31 (27)	0.24 (49)
IM International Large Cap Value Equity (MF) Median			-22.63	29.29	-5.76	-5.45	-0.02
Invesco Emerging Markets Equity	12,568,876	2.9	-34.59 (86)	16.04 (78)	11.68 (43)	4.02 (26)	1.31 (14)
MSCI Emerging Markets Index			-27.80 (54)	18.58 (66)	10.91 (48)	-1.63 (66)	-0.44 (25)
IM Emerging Markets Equity (SA+CF) Median			-27.48	22.15	10.35	0.21	-2.53
RhumbLine International Equity	22,639,979	5.2	-24.72 (39)	25.95 (56)	0.62 (69)	-1.08 (43)	2.74 (51)
MSCI EAFE Index			-24.75 (39)	26.29 (55)	0.93 (68)	-0.82 (38)	3.25 (46)
IM International Equity (SA+CF) Median			-25.98	27.20	5.86	-2.02	2.80



	Allocatio	n			Performance(%)		
	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
Total Fixed Income Composite	54,350,148	12.5	-13.85	-1.13	5.67	7.16	0.33
Fixed Income Index			-11.49	-0.38	5.66	8.08	-0.93
Total Domestic Fixed Composite	37,934,942	8.7					
Garcia Hamilton Fixed Income	32,943,667	7.6	-9.69 (37)	-0.77 (95)	5.67 (79)	7.16 (81)	0.34 (17)
Fixed Income Index			-11.49 (90)	-0.38 (87)	5.66 (79)	8.08 (46)	-0.93 (95)
IM U.S. Intermediate Duration (SA+CF) Median			-10.00	0.27	6.43	8.01	-0.36
RhumbLine Fixed Income	-	0.0	N/A	N/A	N/A	N/A	N/A
Blmbg. U.S. Aggregate Index			-14.60 (60)	-0.90 (84)	6.98 (77)	10.30 (69)	-1.22 (88)
IM U.S. Broad Market Core Fixed Income (SA+CF) Median			-14.50	-0.03	7.53	10.42	-0.74
Vanguard Short Term Bond (VBITX)	4,991,275	1.1	N/A	N/A	N/A	N/A	N/A
Bloomberg 1-5 Year Gov/Credit Idx			-7.29 (97)	0.08 (99)	4.88 (7)	6.01 (3)	-0.38 (100)
IM U.S. Short Term Investment Grade (MF) Median			-4.64	1.56	3.43	4.61	1.44
Total Global Fixed Composite	16,415,207	3.8					
Lazard Emerging Markets Debt Blend Fund L.P.	7,925,523	1.8	-25.04 (81)	N/A	N/A	N/A	N/A
JPM EMBI / GBI-EM Global Diversified			-22.45 (66)	N/A	N/A	N/A	N/A
IM Emerging Markets Debt (SA+CF) Median			-19.97	6.14	2.12	10.16	-3.52
PGIM Emerging Market Debt	8,489,684	2.0	-20.99 (58)	N/A	N/A	N/A	N/A
JPM EMBI / GBI-EM Global Diversified			-22.45 (66)	N/A	N/A	N/A	N/A
IM Emerging Markets Debt (SA+CF) Median			-19.97	6.14	2.12	10.16	-3.52



	Allocatio	n			Performance(%)		
	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
Blackrock Multi-Asset Income Fund	1,698,303	0.4	N/A	N/A	N/A	N/A	N/A
50% MSCI World Index (Net)/50% BB US Agg Index IM Flexible Portfolio (MF) Median			-16.91 (66) -13.82	13.29 (77) 17.64	9.36 (20) 3.74	6.40 (28) 3.96	4.93 (49) 4.69
Total Real Estate	70,156,941	16.1					
Intercontinental	43,809,413	10.1	26.50 (14)	13.86 (70)	4.42 (11)	8.32 (20)	11.41 (10)
Real Estate Policy	10,000,110	10.1	22.76 (43)	15.75 (52)	1.74 (44)	6.17 (69)	8.82 (58)
IM U.S. Private Real Estate (SA+CF) Median			21.16	15.91	1.62	6.80	8.98
J.P. Morgan	24,281,009	5.6	14.79 (76)	18.28 (23)	2.78 (18)	7.57 (30)	10.94 (19)
Real Estate Policy			22.76 (43)	15.75 (52)	1.74 (44)	6.17 (69)	8.82 (58)
IM U.S. Private Real Estate (SA+CF) Median			21.16	15.91	1.62	6.80	8.98
Affiliated Housing Impact Fund LP	2,066,519	0.5	9.53	N/A	N/A	N/A	N/A
Total Alternatives	14,685,913	3.4	-17.78	23.73	N/A	N/A	N/A
ETG Co-Invest Opportunities Fund LP	14,685,913	3.4	-17.78	23.73	N/A	N/A	N/A
HFRI Fund of Funds Composite Index	, , ,		-6.52	14.30	5.73	-0.05	3.05
R&D Cash	5,519,158	1.3					



sset Allocation & Performance			D 6 (0)		
	Oct-2016	Oct-2015	Performance(%) Oct-2014	Oct-2013	Oct-2012
	То	То	То	То	То
	Sep-2017	Sep-2016	Sep-2015	Sep-2014	Sep-2013
otal Fund Composite	14.01 13.01	8.76 10.75	0.69 0.71	9.53 10.14	13.75 14.75
Total Fund Policy Index	13.01	10.75	0.71	10.14	14.75
otal Equity Composite	18.47	9.83	-1.34	10.82	18.19
Total Equity Policy Index	18.97	14.06	-2.21	13.29	22.52
otal Domestic Equity					
61 Capital (BRC Equity)	N/A	4.57 (97)	0.14 (18)	20.33 (25)	N/A
Russell 1000 Value Index	15.12 (76)	16.19 (25)	-4.42 (63)	18.89 (42)	22.30 (58)
IM U.S. Large Cap Value Equity (SA+CF) Median	17.78	13.33	-3.39	18.38	23.54
humbLine Equity S&P 500	18.55 (59)	15.40 (25)	N/A	N/A	N/A
S&P 500 Index	18.61 (57)	15.43 (24)	-0.61 (58)	19.73 (37)	19.34 (70
IM U.S. Large Cap Equity (SA+CF) Median	18.87	13.38	-0.37	18.90	20.96
numbLine R1000 Value	N/A	N/A	N/A	N/A	N/A
Russell 1000 Value Index	15.12 (76)	16.19 (25)	-4.42 (63)	18.89 (42)	22.30 (58
IM U.S. Large Cap Value Equity (SA+CF) Median	17.78	13.33	-3.39	18.38	23.54
numbLine R1000 Growth	N/A	N/A	N/A	N/A	N/A
Russell 1000 Growth Index	21.94 (39)	13.76 (21)	3.17 (58)	19.15 (39)	19.27 (65)
IM U.S. Large Cap Growth Equity (SA+CF) Median	21.10	11.84	3.87	18.18	20.26
arcia Hamilton Equity	N/A	11.91 (49)	1.41 (74)	17.12 (63)	12.80 (98
Russell 1000 Growth Index	21.94 (39)	13.76 (21)	3.17 (58)	19.15 (39)	19.27 (65
IM U.S. Large Cap Growth Equity (SA+CF) Median	21.10	11.84	3.87	18.18	20.26
humbLine S&P Mid Cap 400	17.49 (56)	N/A	N/A	N/A	N/A
S&P MidCap 400 Index	17.52 (54)	15.33 (31)	1.40 (55)	11.82 (70)	27.68 (56)
IM U.S. Mid Cap Equity (SA+CF) Median	17.59	12.26	1.55	13.89	27.99
nchor Equity	14.45 (79)	12.76 (67)	4.71 (10)	9.97 (94)	16.82 (10
Russell Midcap Value Index	13.37 (85)	17.26 (29)	-2.07 (63)	17.46 (29)	27.77 (61)
IM U.S. Mid Cap Value Equity (SA+CF) Median	16.64	15.16	-0.61	15.85	28.63
ak Ridge Equity	N/A	N/A	3.41 (44)	7.64 (84)	25.96 (65)
Russell Midcap Growth Index	17.82 (60)	11.24 (29)	1.45 (72)	14.43 (26)	27.54 (48)
IM U.S. Mid Cap Growth Equity (SA+CF) Median	18.60	8.63	3.04	11.01	27.25



		Performance(%)								
	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					
New Amsterdam Equity	20.50 (38)	8.71 (73)	7.88 (10)	N/A	N/A					
Russell 2500 Index	17.79 (65)	14.44 (35)	0.38 (59)	8.97 (55)	29.79 (57)					
IM U.S. SMID Cap Equity (SA+CF) Median	19.44	12.61	1.26	9.69	30.27					
SSGA Small-Mid Cap Equity (SSMKX)	N/A	N/A	N/A	N/A	N/A					
Russell 2500 Index	17.79 (36)	14.44 (33)	0.38 (21)	8.97 (56)	29.79 (36)					
IM U.S. SMID Cap Core Equity (MF) Median	16.89	12.24	-1.38	9.37	28.67					
Eagle Equity	22.28 (41)	12.20 (47)	4.68 (45)	2.33 (61)	33.00 (61)					
Russell 2000 Growth Index	20.98 (58)	12.12 (47)	4.04 (51)	3.79 (51)	33.07 (60)					
IM U.S. Small Cap Growth Equity (SA+CF) Median	21.70	11.66	4.10	3.87	34.19					
Wellington	14.79 (90)	N/A	N/A	N/A	N/A					
Russell 2000 Value Index	20.55 (53)	18.81 (26)	-1.60 (67)	4.13 (83)	27.04 (83)					
IM U.S. Small Cap Value Equity (SA+CF) Median	20.69	15.90	0.69	7.12	30.97					
Total International & Emerging Equity										
Vanguard Intl Equity (VTRIX)	20.63 (17)	8.41 (6)	-13.91 (88)	5.83 (32)	N/A					
MSCI EAFE Value	23.22 (2)	4.16 (54)	-12.18 (87)	6.18 (31)	24.91 (9)					
IM International Large Cap Value Equity (MF) Median	18.21	4.33	-9.62	4.67	21.68					
Invesco Emerging Markets Equity	23.04 (47)	19.28 (35)	-22.23 (89)	6.91 (47)	N/A					
MSCI Emerging Markets Index	22.91 (48)	17.21 (51)	-18.98 (69)	4.66 (70)	1.33 (75)					
IM Emerging Markets Equity (SA+CF) Median	22.66	17.27	-16.95	6.57	4.68					
RhumbLine International Equity	19.24 (63)	N/A	N/A	N/A	N/A					
MSCI EAFE Index	19.65 (59)	7.06 (71)	-8.27 (67)	4.70 (62)	24.29 (41)					
IM International Equity (SA+CF) Median	20.68	9.54	-5.60	5.75	22.73					



	Performance(%)								
	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 Fixed Income Composite	0.60	3.79	3.98	4.78	1.03				
Fixed Income Index	0.25	3.57	2.95	2.74	-0.71				
Total Domestic Fixed Composite									
Garcia Hamilton Fixed Income	0.69 (51)	3.84 (58)	3.98 (4)	4.78 (10)	1.03 (9)				
Fixed Income Index	0.25 (86)	3.57 (71)	2.95 (31)	2.74 (57)	-0.71 (78)				
IM U.S. Intermediate Duration (SA+CF) Median	0.70	3.89	2.69	2.87	-0.25				
RhumbLine Fixed Income	-0.06 (94)	N/A	N/A	N/A	N/A				
Blmbg. U.S. Aggregate Index	0.07 (84)	5.19 (80)	2.94 (62)	3.96 (80)	-1.68 (78)				
IM U.S. Broad Market Core Fixed Income (SA+CF) Median	0.63	5.66	3.02	4.44	-1.29				
Vanguard Short Term Bond (VBITX)	N/A	N/A	N/A	N/A	N/A				
Bloomberg 1-5 Year Gov/Credit Idx	0.51 (99)	2.06 (61)	1.97 (8)	1.15 (83)	0.34 (88)				
IM U.S. Short Term Investment Grade (MF) Median	1.80	2.22	1.01	1.81	1.13				
Total Global Fixed Composite									
Lazard Emerging Markets Debt Blend Fund L.P.	N/A	N/A	N/A	N/A	N/A				
JPM EMBI / GBI-EM Global Diversified	N/A	N/A	N/A	N/A	N/A				
IM Emerging Markets Debt (SA+CF) Median	7.97	16.28	-6.70	6.78	-2.85				
PGIM Emerging Market Debt	N/A	N/A	N/A	N/A	N/A				
JPM EMBI / GBI-EM Global Diversified	N/A	N/A	N/A	N/A	N/A				
IM Emerging Markets Debt (SA+CF) Median	7.97	16.28	-6.70	6.78	-2.85				



			Performance(%)		
	Oct-2016	Oct-2015	Oct-2014	Oct-2013	Oct-2012
	То	То	То	То	То
	Sep-2017	Sep-2016	Sep-2015	Sep-2014	Sep-2013
Blackrock Multi-Asset Income Fund	N/A	N/A	N/A	N/A	N/A
50% MSCI World Index (Net)/50% BB US Agg Index	8.80 (72)	8.47 (72)	-0.98 (28)	8.10 (68)	8.84 (58)
IM Flexible Portfolio (MF) Median	11.09	10.03	-2.95	9.65	10.02
Total Real Estate					
ntercontinental	11.64 (13)	12.98 (30)	14.12 (63)	15.12 (33)	14.53 (41)
Real Estate Policy	7.81 (52)	10.62 (68)	14.71 (61)	12.39 (73)	12.47 (68)
IM U.S. Private Real Estate (SA+CF) Median	7.88	11.39	15.54	13.17	13.35
J.P. Morgan	9.93 (21)	12.10 (36)	20.93 (18)	N/A	N/A
Real Estate Policy	7.81 (52)	10.62 (68)	14.71 (61)	12.39 (73)	12.47 (68)
IM U.S. Private Real Estate (SA+CF) Median	7.88	11.39	15.54	13.17	13.35
Affiliated Housing Impact Fund LP	N/A	N/A	N/A	N/A	N/A
Total Alternatives	N/A	N/A	N/A	N/A	N/A
ETG Co-Invest Opportunities Fund LP	N/A	N/A	N/A	N/A	N/A
HFRI Fund of Funds Composite Index	6.50	0.38	-0.05	6.16	6.48

R&D Cash



Asset Allocation & Performance												
	Allocatio	n					Perform	ance(%)				
	Market Value \$	%	Oct-2021 To Sep-2022	Oct-2020 To Sep-2021	Oct-2019 To Sep-2020	Oct-2018 To Sep-2019	Oct-2017 To Sep-2018	Oct-2016 To Sep-2017	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015	Oct-2013 To Sep-2014	Oct-2012 To Sep-2013
Total Fund Composite	434,921,102	100.0	-10.44 (23)	23.84 (16)	6.59 (65)	2.24 (91)	9.89 (11)	13.44 (22)	8.21 (86)	0.21 (23)	8.99 (72)	13.26 (36)
Total Fund Policy Index			-13.78 (51)		6.45 (66)	2.87 (84)	9.50 (14)	13.01 (30)	10.75 (21)	0.71 (15)		14.75 (15)
All Public Plans-Total Fund Median			-13.78	20.73	7.52	4.29	7.52	12.06	9.80	-0.89	9.90	12.47
Total Equity Composite	242,898,194	55.8	-21.55	32.66	8.11	-0.14	12.55	18.05	9.28	-1.87	10.14	17.61
Total Equity Policy Index			-21.39	35.35	6.29	-0.12	13.66	18.97	14.06	-2.21	13.29	22.52
Total Domestic Equity	185,124,059	42.6										
361 Capital (BRC Equity)	-	0.0	N/A	N/A	N/A	N/A	N/A	N/A	4.06	-0.35	19.81	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
RhumbLine Equity S&P 500	38,556,910	8.9	-15.48	29.94	15.11	4.19	17.81	18.49	15.39	N/A	N/A	N/A
S&P 500 Index			-15.47	30.00	15.15	4.25	17.91	18.61	15.43	-0.61	19.73	19.34
RhumbLine R1000 Value	9,305,070	2.1	-11.34	34.85	-5.02	3.95	9.39	N/A	N/A	N/A	N/A	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
RhumbLine R1000 Growth	8,548,424	2.0	-22.59	27.32	37.57	3.67	26.20	N/A	N/A	N/A	N/A	N/A
Russell 1000 Growth Index			-22.59	27.32	37.53	3.71	26.30	21.94	13.76	3.17	19.15	19.27
Garcia Hamilton Equity	-	0.0	N/A	N/A	N/A	N/A	N/A	N/A	11.27	1.16	16.51	12.25
Russell 1000 Growth Index			-22.59	27.32	37.53	3.71	26.30	21.94	13.76	3.17	19.15	19.27
RhumbLine S&P Mid Cap 400	22,448,922	5.2	-15.27	43.56	-2.16	-2.54	14.10	17.44	N/A	N/A	N/A	N/A
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
Anchor Equity	22,838,832	5.3	-12.63	26.58	-3.68	9.25	14.11	13.91	12.21	4.07	9.33	16.27
Russell Midcap Value Index			-13.56	42.40	-7.30	1.60	8.81	13.37	17.26	-2.07	17.46	27.77
Oak Ridge Equity	-	0.0	N/A	2.81	6.99	25.22						
Russell Midcap Growth Index			-29.50	30.45	23.23	5.20	21.10	17.82	11.24	1.45	14.43	27.54
New Amsterdam Equity	-	0.0	N/A	N/A	N/A	N/A	5.71	20.00	8.25	7.46	N/A	N/A
Russell 2500 Index			-21.11	45.03	2.22	-4.04	16.19	17.79	14.44	0.38	8.97	29.79
SSGA Small-Mid Cap Equity (SSMKX)	17,422,372	4.0	-27.95	41.30	13.27	-3.41	N/A	N/A	N/A	N/A	N/A	N/A
Russell 2500 Index			-21.11	45.03	2.22	-4.04	16.19	17.79	14.44	0.38	8.97	29.79
Eagle Equity	20,651,944	4.7	-30.24	27.25	26.81	-10.20	31.52	21.37	11.38	3.90	1.53	32.03
Russell 2000 Growth Index			-29.27	33.27	15.71	-9.63	21.06	20.98	12.12	4.04	3.79	33.07



	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
Wellington Russell 2000 Value Index	-	0.0	N/A -17.69	N/A 63.92	-24.00 -14.88	-5.20 -8.24	10.38 9.33	13.78 20.55	N/A 18.81	N/A -1.60	N/A 4.13	N/A 27.04
Total International Equity	57,774,135	13.3										
Vanguard Intl Equity (VTRIX) MSCI EAFE Value	22,565,280	5.2	-22.20 -19.62	30.92 31.43	-4.10 -11.45	-2.62 -4.31	1.90 0.24	20.63 23.22	8.41 4.16	-13.91 -12.18	5.83 6.18	N/A 24.91
Invesco Emerging Markets Equity MSCI Emerging Markets Index	12,568,876	2.9	-34.95 -27.80	15.11 18.58	10.73 10.91	3.39 -1.63	0.47 -0.44	21.80 22.91	18.73 17.21	-22.95 -18.98	5.83 4.66	N/A 1.33
RhumbLine International Equity MSCI EAFE Index	22,639,979	5.2	-24.76 -24.75	25.89 26.29	0.60 0.93	-1.13 -0.82	2.68 3.25	19.18 19.65	N/A 7.06	N/A -8.27	N/A 4.70	N/A 24.29
Total Fixed Income Composite Fixed Income Index	54,350,148	12.5	-14.06 -11.49	-1.33 -0.38	5.52 5.66	6.94 8.08	0.12 -0.93	0.40 0.25	3.60 3.57	3.78 2.95	4.57 2.74	0.83 -0.71
Total Domestic Fixed Composite	37,934,942	8.7										
Garcia Hamilton Fixed Income Fixed Income Index	32,943,667	7.6	-9.87 -11.49	-0.96 -0.38	5.52 5.66	6.94 8.08	0.13 -0.93	0.49 0.25	3.64 3.57	3.78 2.95	4.57 2.74	0.83 -0.71
RhumbLine Fixed Income Blmbg. U.S. Aggregate Index	-	0.0	N/A -14.60	N/A -0.90	N/A 6.98	N/A 10.30	N/A -1.22	-0.24 0.07	N/A 5.19	N/A 2.94	N/A 3.96	N/A -1.68
Vanguard Short Term Bond (VBITX) Bloomberg 1-5 Year Gov/Credit Idx	4,991,275	1.1	N/A -7.29	N/A 0.08	N/A 4.88	N/A 6.01	N/A -0.38	N/A 0.51	N/A 2.06	N/A 1.97	N/A 1.15	N/A 0.34
Total Global Fixed Composite	16,415,207	3.8										
Lazard Emerging Markets Debt Blend Fund L.P. JPM EMBI / GBI-EM Global Diversified	7,925,523	1.8	-25.31 -22.45	N/A N/A								
PGIM Emerging Market Debt JPM EMBI / GBI-EM Global Diversified	8,489,684	2.0	-21.30 -22.45	N/A N/A								
Blackrock Multi-Asset Income Fund 50% MSCI World Index (Net)/50% BB US Agg Index	1,698,303	0.4	N/A -16.91	N/A 13.29	N/A 9.36	N/A 6.40	N/A 4.93	N/A 8.80	N/A 8.47	N/A -0.98	N/A 8.10	N/A 8.84
Total Real Estate	70,156,941	16.1										



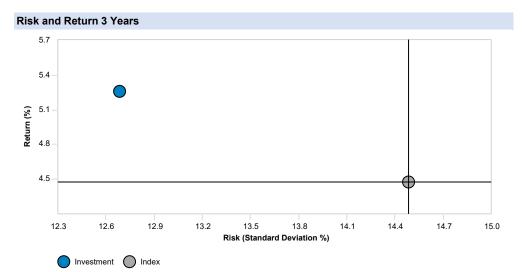
	Allocatio	n					Perform	ance(%)				
	Market Value \$	%	Oct-2021 To Sep-2022	Oct-2020 To Sep-2021	Oct-2019 To Sep-2020	Oct-2018 To Sep-2019	Oct-2017 To Sep-2018	Oct-2016 To Sep-2017	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015	Oct-2013 To Sep-2014	Oct-2012 To Sep-2013
Intercontinental	43,809,413	10.1	22.38	13.30	3.36	6.95	10.36	9.59	10.71	12.18	12.68	13.98
Real Estate Policy			22.76	15.75	1.74	6.17	8.82	7.81	10.62	14.71	12.39	12.47
J.P. Morgan	24,281,009	5.6	13.06	16.44	1.16	5.89	9.38	8.21	10.36	19.53	N/A	N/A
Real Estate Policy			22.76	15.75	1.74	6.17	8.82	7.81	10.62	14.71	12.39	12.47
Affiliated Housing Impact Fund LP	2,066,519	0.5	7.11	N/A								
Total Alternatives	14,685,913	3.4	-17.78	23.49	N/A							
ETG Co-Invest Opportunities Fund LP	14,685,913	3.4	-17.78	23.49	N/A							
HFRI Fund of Funds Composite Index			-6.52	14.30	5.73	-0.05	3.05	6.50	0.38	-0.05	6.16	6.48
R&D Cash	5,519,158	1.3										

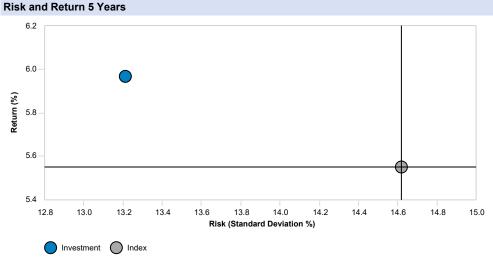


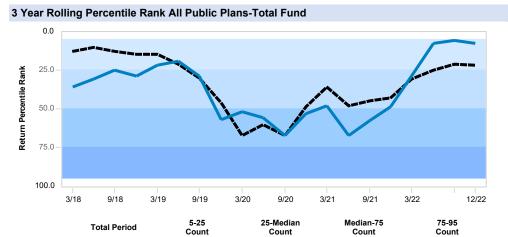


Historical Stati	stics 3 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	5.26	12.68	0.41	90.58	8	84.81	4
Index	4.48	14.49	0.32	100.00	8	100.00	4

Historical Stati	stics 5 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	5.97	13.21	0.41	94.68	14	88.50	6
Index	5.55	14.62	0.36	100.00	14	100.00	6







7 (35%)

8 (40%)

6 (30%)

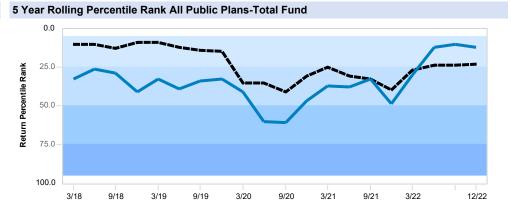
9 (45%)

7 (35%)

3 (15%)

0 (0%)

0 (0%)



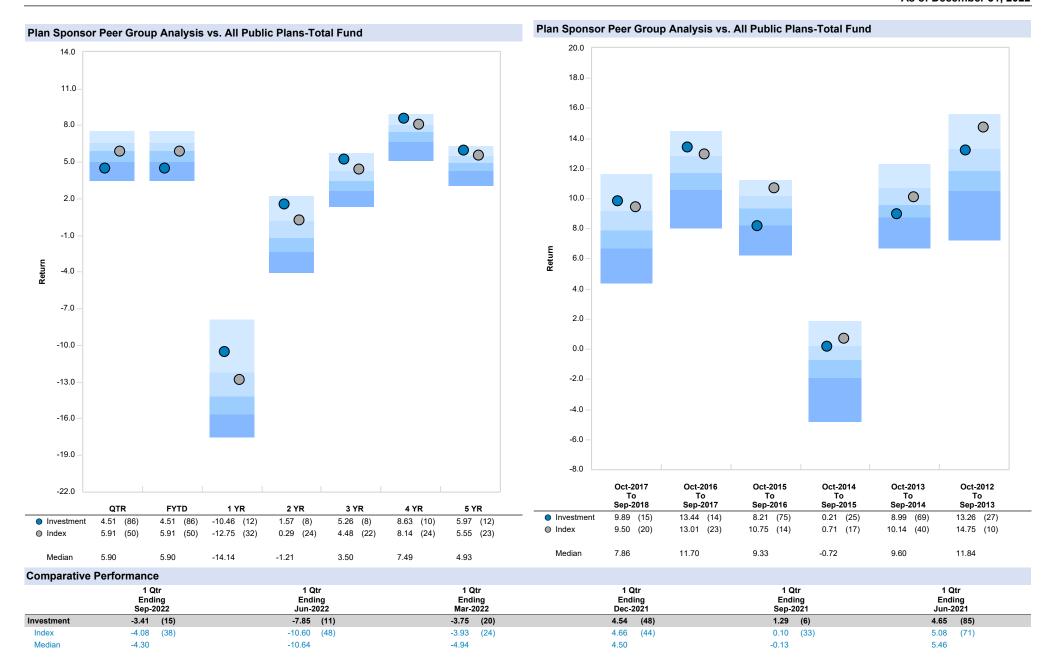
	Total Period	5-2 Cou		25-Me Cou		Media Cou		75-9 Cou		
Investment	20	3	(15%)	15	(75%)	2	(10%)	0	(0%)	
Index	20	12	(60%)	8	(40%)	0	(0%)	0	(0%)	



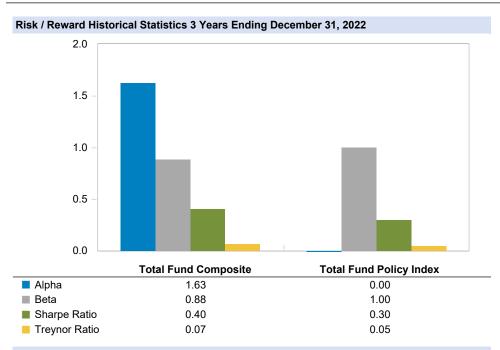
Investment

__ Index

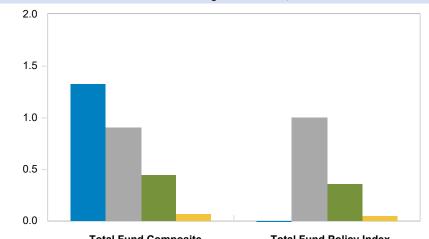
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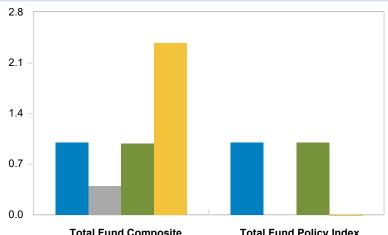


Risk / Reward Historical Statistics 5 Years Ending December 31, 2022



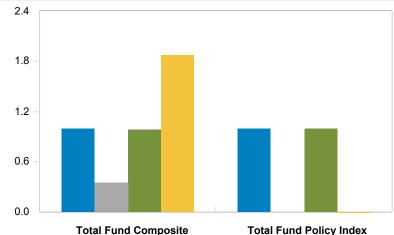
	Total Fund Composite	Total Fund Policy Index
Alpha	1.32	0.00
Beta	0.90	1.00
Sharpe Ratio	0.44	0.36
Treynor Ratio	0.07	0.05

Index Relative Historical Statistics 3 Years Ending December 31, 2022



0.0		
	Total Fund Composite	Total Fund Policy Index
Actual Correlation	1.00	1.00
Information Ratio	0.39	N/A
R-Squared	0.99	1.00
Tracking Error	2.37	0.00

Index Relative Historical Statistics 5 Years Ending December 31, 2022



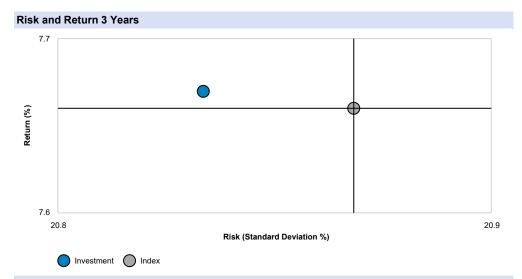
	Total Fund Composite	Total Fund Policy I
Actual Correlation	1.00	1.00
Information Ratio	0.36	N/A
R-Squared	0.99	1.00
Tracking Error	1.88	0.00

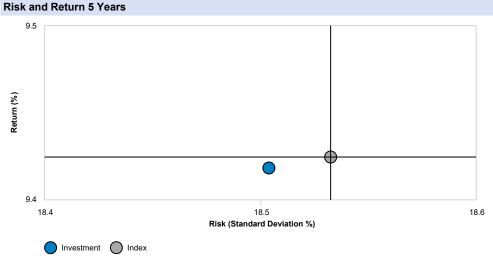
Benchmark: Total Fund Policy Index

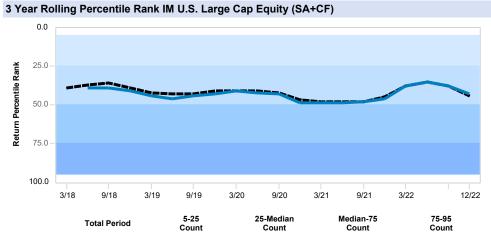


Historical Stati	stics 3 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	7.67	20.83	0.42	99.87	8	99.82	4
Index	7.66	20.87	0.42	100.00	8	100.00	4

Historical Statistics 5 Years							
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	9.42	18.50	0.51	99.86	14	99.85	6
Index	9.42	18.53	0.51	100.00	14	100.00	6







Count

19 (100%)

20 (100%)

Count

0 (0%)

0 (0%)

0 (0%)

0 (0%)

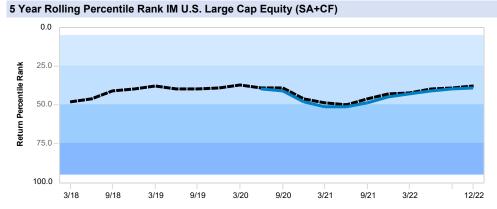
Count

0 (0%)

0 (0%)

19

20

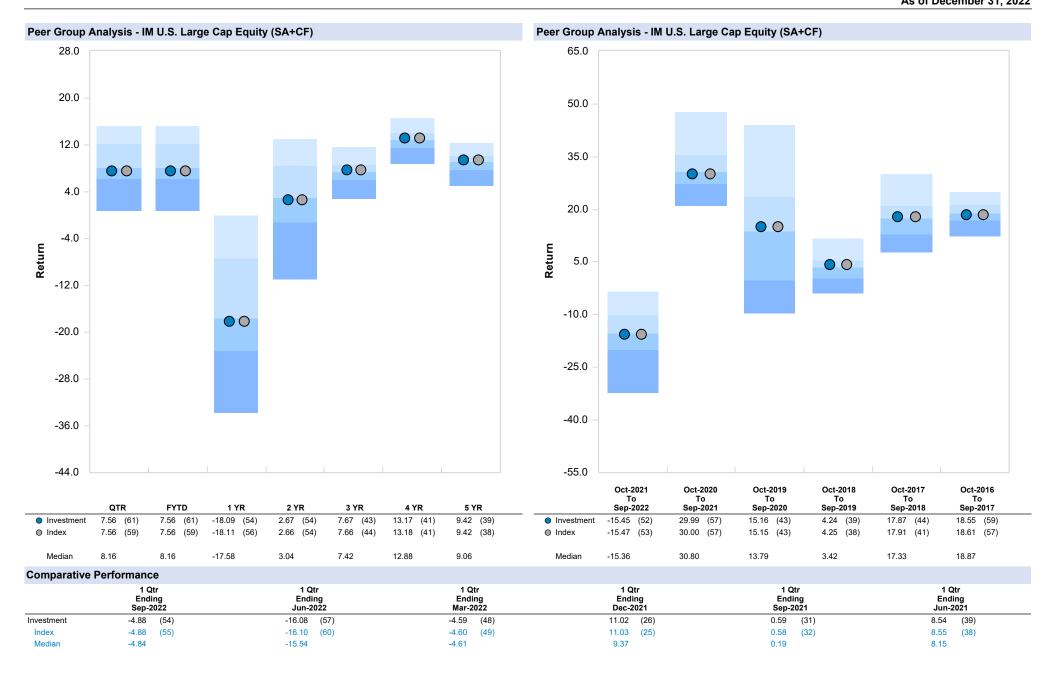


	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count	
Investment	11	0 (0%)	9 (82%)	2 (18%)	0 (0%)	
Index	20	0 (0%)	20 (100%)	0 (0%)	0 (0%)	

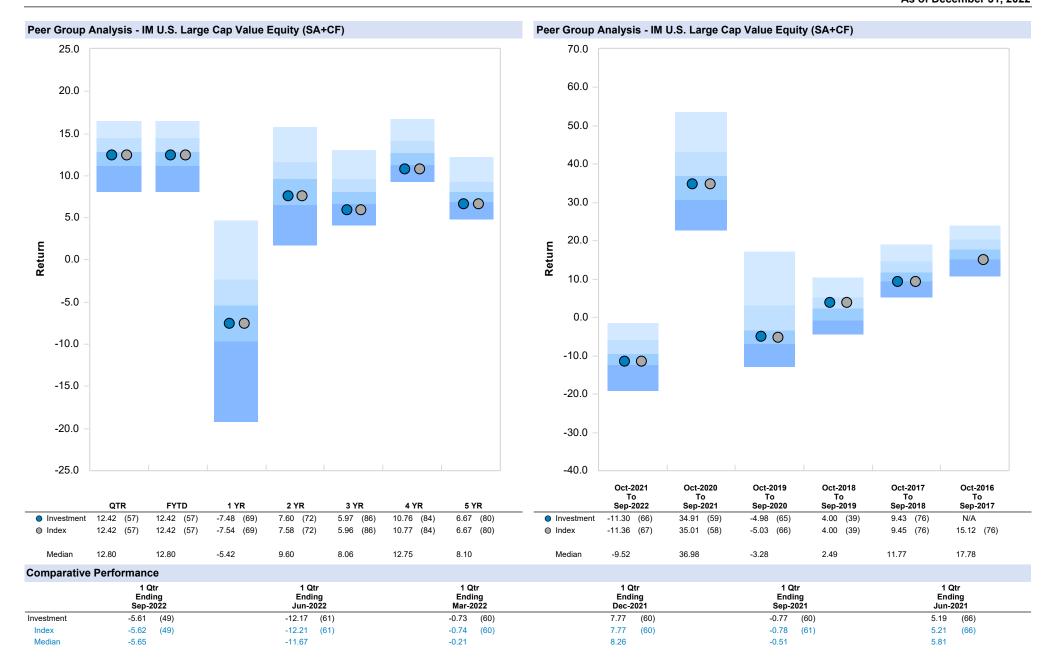


Investment

__ Index











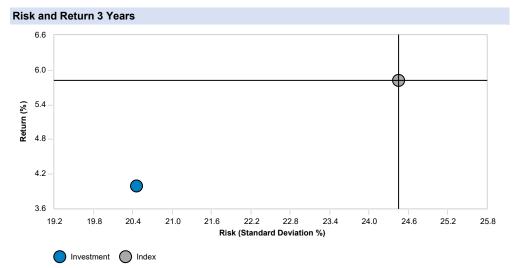


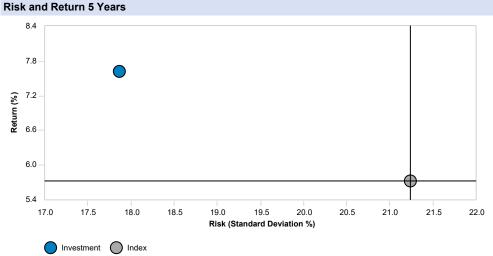




Historical Stati	stics 3 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	4.00	20.46	0.26	83.93	7	88.56	5
Index	5.82	24 44	0.33	100.00	7	100.00	5

Historical Stati	stics 5 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	7.62	17.86	0.43	91.22	13	83.66	7
Index	5.72	21.24	0.31	100.00	13	100.00	7





3 Year Rolling Percentile Rank IM U.S. Mid Cap Value Equity (SA+CF) 0.0 25.0 Return Percentile Rank 50.0 75.0 100.0 3/18 9/18 3/19 9/19 3/20 9/20 3/21 9/21 3/22 12/22 5-25 25-Median Median-75 75-95 **Total Period**

Count

5 (25%)

2 (10%)

Count

5 (25%)

1 (5%)

Count

3 (15%)

17 (85%)

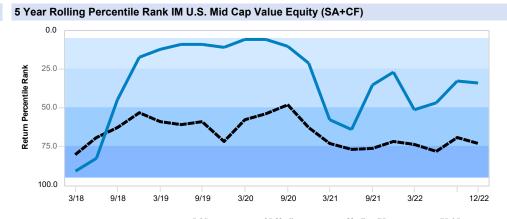
Count

20

20

7 (35%)

0 (0%)



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	20	9 (45%)	6 (30%)	3 (15%)	2 (10%)
Index	20	0 (0%)	1 (5%)	15 (75%)	4 (20%)



Investment

__ Index



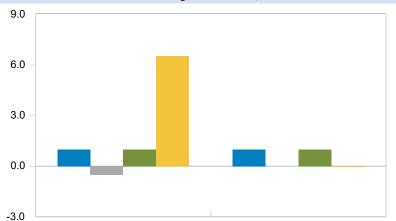


Risk / Reward Historical Statistics 3 Years Ending December 31, 2022



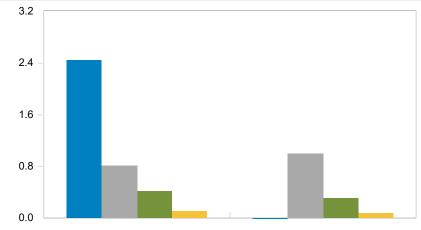
	Anchor Equity	Russell Midcap Value Index
Alpha	-1.31	0.00
■ Beta	0.80	1.00
Sharpe Ratio	0.26	0.33
Treynor Ratio	80.0	0.09

Index Relative Historical Statistics 3 Years Ending December 31, 2022



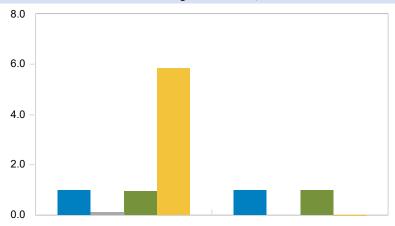
	Anchor Equity	Russell Midcap Value Index
Actual Correlation	0.99	1.00
Information Ratio	-0.52	N/A
R-Squared	0.98	1.00
Tracking Error	6.54	0.00

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



	Anchor Equity	Russell Midcap Value Index
Alpha	2.45	0.00
■ Beta	0.81	1.00
Sharpe Ratio	0.41	0.31
Treynor Ratio	0.10	0.07

Index Relative Historical Statistics 5 Years Ending December 31, 2022



	Anchor Equity	Russell Midcap Value Index
Actual Correlation	0.98	1.00
Information Ratio	0.13	N/A
R-Squared	0.97	1.00
Tracking Error	5.85	0.00

Benchmark: Russell Midcap Value Index







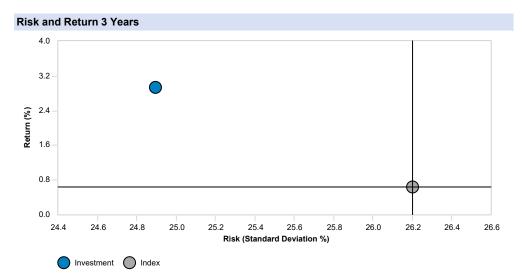


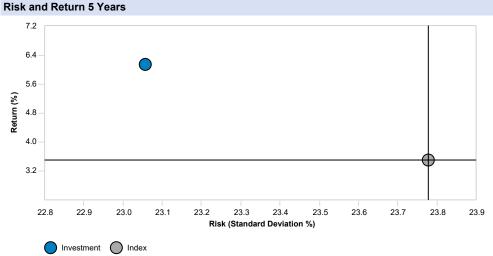


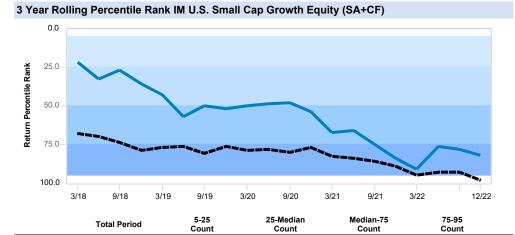


Historical Stati	stics 3 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	2.93	24.90	0.21	98.19	5	92.21	7
Index	0.65	26.20	0.13	100.00	8	100.00	4

Historical Statistics 5 Years									
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters		
Investment	6.16	23.06	0.32	101.96	11	94.07	9		
Index	3.51	23.78	0.21	100.00	14	100.00	6		







8 (40%)

0 (0%)

6 (30%)

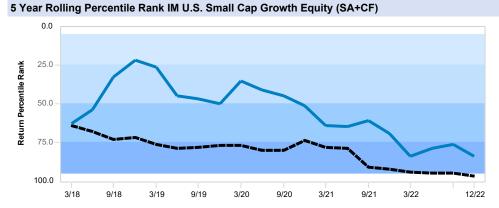
3 (15%)

5 (25%)

17 (85%)

1 (5%)

0 (0%)



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	20	1 (5%)	8 (40%)	7 (35%)	4 (20%)
Index	20	0 (0%)	0 (0%)	5 (25%)	15 (75%)



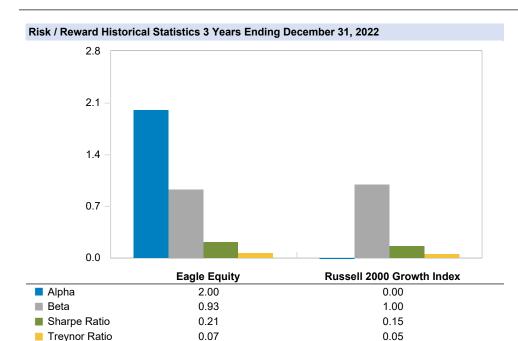
Investment

__ Index

20





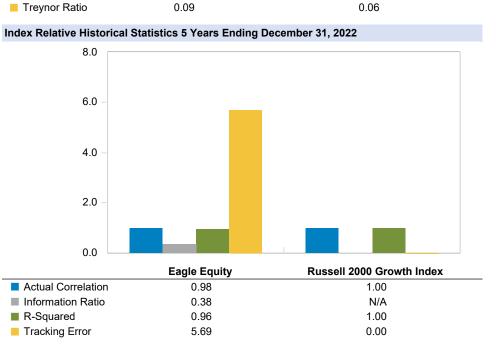


3.2 2.4 1.6 0.8 Eagle Equity Russell 2000 Growth Index Alpha 2.62 0.00 Beta 0.94 1.00

0.31

■ Sharpe Ratio

Index Relative Historical Statistics 3 Years Ending December 31, 2022 9.0 6.0 3.0 0.0 **Eagle Equity** Russell 2000 Growth Index Actual Correlation 0.98 1.00 ■ Information Ratio 0.24 N/A R-Squared 0.96 1.00 Tracking Error 6.48 0.00



0.22

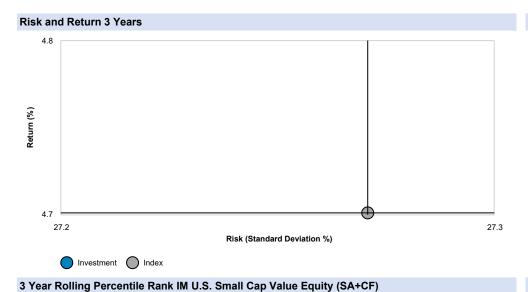
Benchmark: Russell 2000 Growth Index



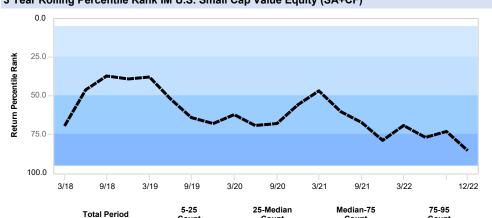


Historical Statistics 3 Years									
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters		
Investment	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Index	4 70	27 27	0.28	100.00	7	100.00	5		

Historical Statistics 5 Years										
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters			
Investment	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
Index	4.13	24.01	0.24	100.00	12	100.00	8			







Count

5 (25%)

Count

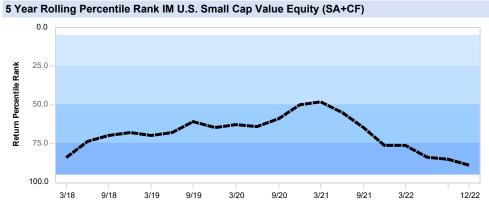
3 (15%)

Count

12 (60%)

Count

0 (0%)

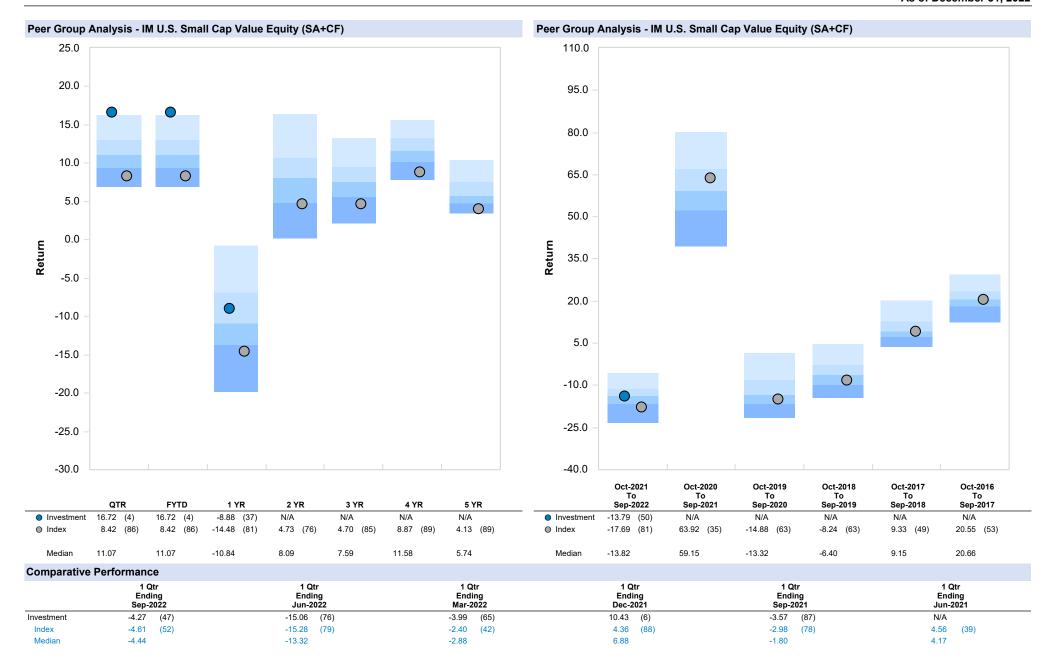


	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count	
Investment	0	0	0	0	0	
Index	20	0 (0%)	2 (10%)	12 (60%)	6 (30%)	



Investment

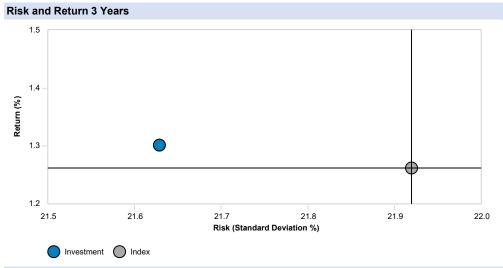
__ Index

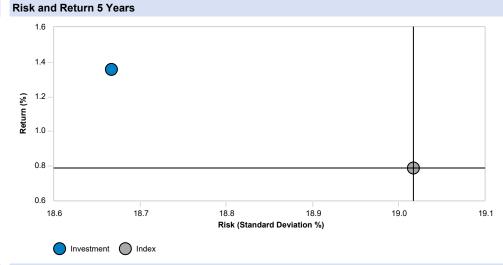


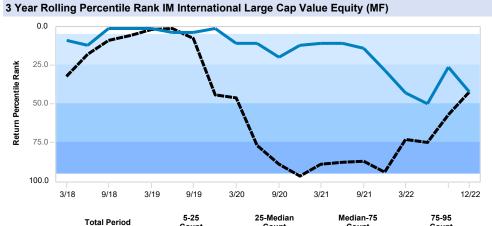


Historical Statistics 3 Years									
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters		
Investment	1.30	21.63	0.13	98.95	7	98.93	5		
Index	1.26	21.92	0.13	100.00	8	100.00	4		

Historical Statistics 5 Years										
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters			
Investment	1.36	18.67	0.10	96.71	11	94.28	9			
Index	0.79	19.02	0.07	100.00	12	100.00	8			







Count

5 (25%)

4 (20%)

Count

0 (0%)

7 (35%)

Count

0 (0%)

3 (15%)

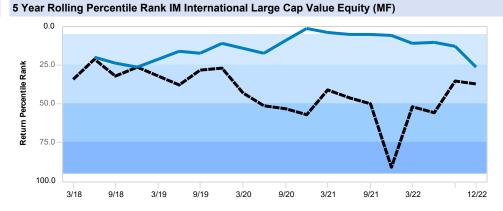
Count

15 (75%)

6 (30%)

20

20



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	19	17 (89%)	2 (11%)	0 (0%)	0 (0%)
Index	20	1 (5%)	13 (65%)	5 (25%)	1 (5%)



Investment

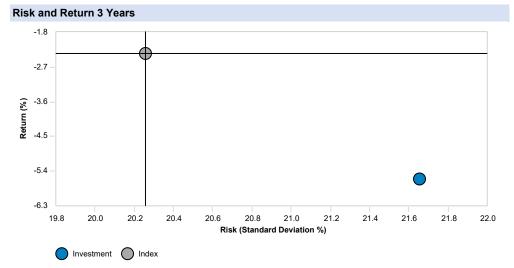
__ Index

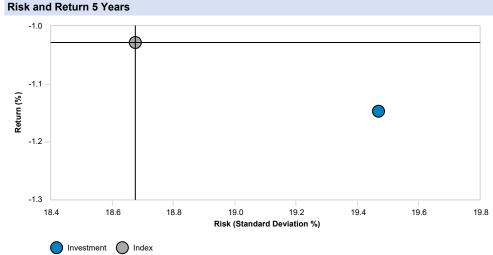


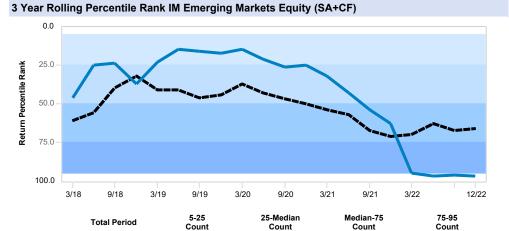


Historical Statistics 3 Years									
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters		
Investment	-5.59	21.66	-0.19	97.68	6	109.58	6		
Index	-2.34	20.26	-0.05	100.00	6	100.00	6		

Historical Statistics 5 Years									
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters		
Investment	-1.15	19.47	-0.03	99.87	10	99.79	10		
Index	-1.03	18.68	-0.03	100.00	10	100.00	10		







5 (25%)

10 (50%)

2 (10%)

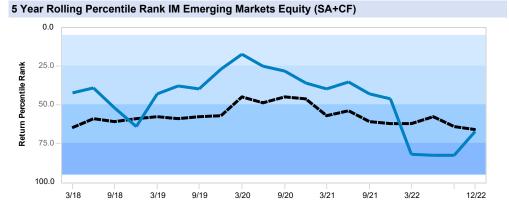
10 (50%)

4 (20%)

0 (0%)

9 (45%)

0 (0%)



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count	
Investment	20	2 (10%)	12 (60%)	3 (15%)	3 (15%)	
Index	20	0 (0%)	4 (20%)	16 (80%)	0 (0%)	



Investment

20



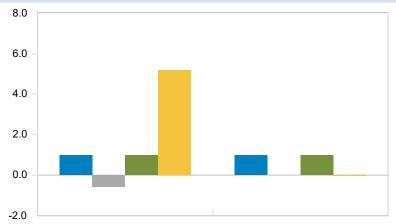


Risk / Reward Historical Statistics 3 Years Ending December 31, 2022 2.0



	Invesco Emerging Markets Equity	MSCI Emerging Markets Index
Alpha	-3.08	0.00
■ Beta	1.02	1.00
Sharpe Ratio	-0.11	0.00
Treynor Ratio	-0.03	0.00

Index Relative Historical Statistics 3 Years Ending December 31, 2022



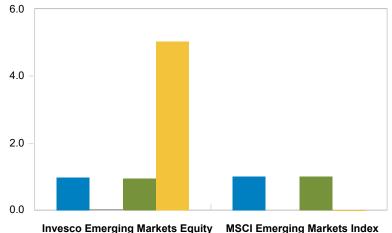
	Invesco Emerging Markets Equity	MSCI Emerging Markets Index
Actual Correlation	0.98	1.00
Information Ratio	-0.60	N/A
R-Squared	0.96	1.00
Tracking Error	5.18	0.00

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



	Invesco Emerging Markets Equity	MSCI Emerging Markets Index
Alpha	0.07	0.00
Beta	1.02	1.00
Sharpe Ratio	0.00	0.00
Treynor Ratio	0.00	0.00

Index Relative Historical Statistics 5 Years Ending December 31, 2022



	invesco Emerging warkers Equity	Wisci Einerging Wa
Actual Correlation	0.97	1.00
Information Ratio	0.02	N/A
R-Squared	0.95	1.00
Tracking Error	5.04	0.00

Benchmark: MSCI Emerging Markets Index







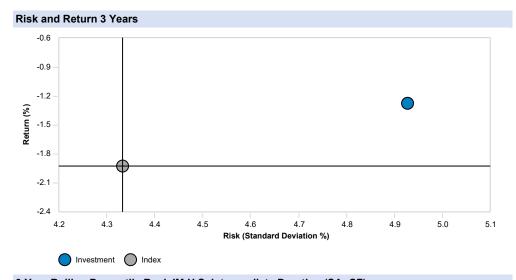


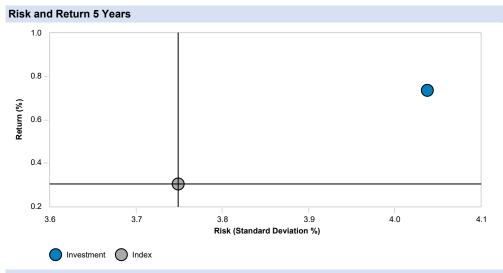
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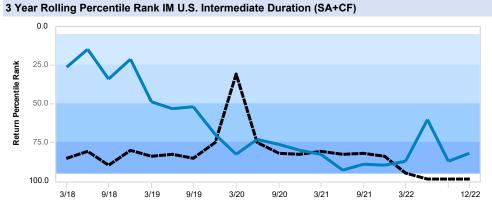


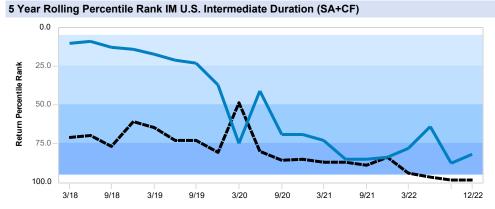
Historical Stati	stics 3 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	-1.27	4.93	-0.38	116.62	6	100.51	6
Index	-1.93	4.33	-0.59	100.00	7	100.00	5

Historical Statistics 5 Years								
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters	
Investment	0.74	4.04	-0.11	103.08	13	93.27	7	
Index	0.31	3.75	-0.24	100.00	14	100.00	6	





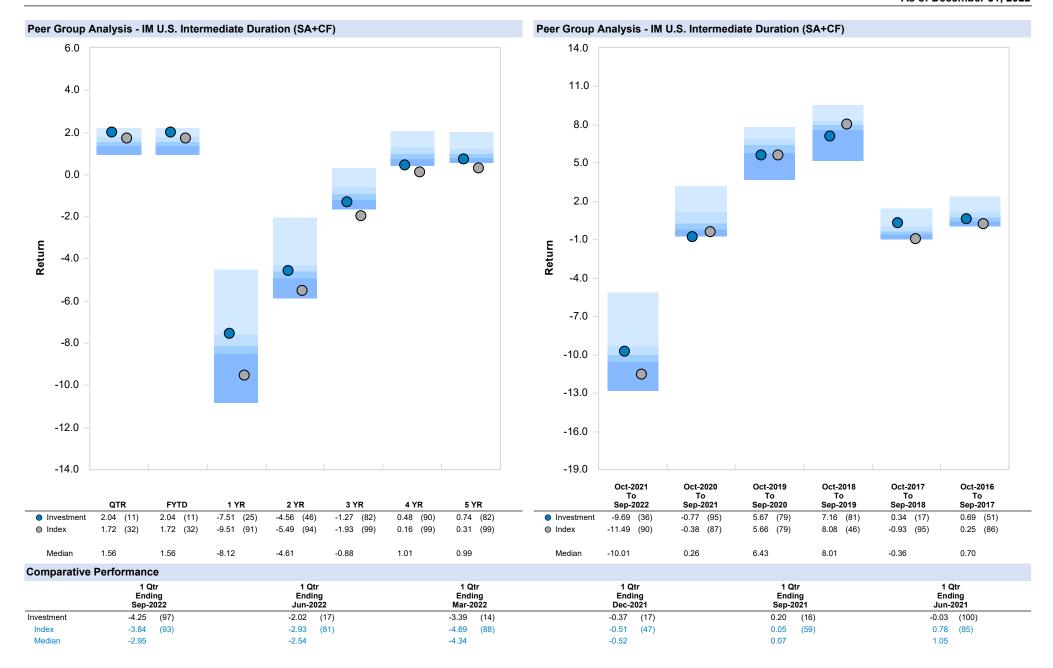




	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	20	2 (10%)	3 (15%)	5 (25%)	10 (50%)
Index	20	0 (0%)	1 (5%)	2 (10%)	17 (85%)

	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count	
Investment	20	7 (35%)	2 (10%)	5 (25%)	6 (30%)	
Index	20	0 (0%)	1 (5%)	6 (30%)	13 (65%)	





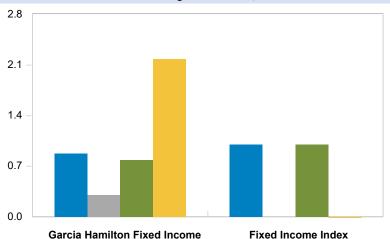


Risk / Reward Historical Statistics 3 Years Ending December 31, 2022



	Garcia Hamilton Fixed Income	Fixed Income Index
■ Alpha	0.43	0.00
Beta	0.87	1.00
Sharpe Ratio	-0.43	-0.58
Treynor Ratio	-0.02	-0.03

Index Relative Historical Statistics 3 Years Ending December 31, 2022



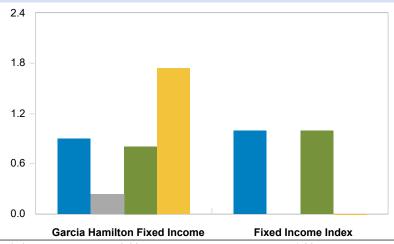
	Garcia Hamilton Fixed Income	Fixed Income Index
Actual Correlation	0.88	1.00
Information Ratio	0.30	N/A
R-Squared	0.78	1.00
Tracking Error	2.18	0.00

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



	Garcia Hamilton Fixed Income	Fixed Income Index
Alpha	0.48	0.00
■ Beta	0.86	1.00
Sharpe Ratio	-0.12	-0.23
Treynor Ratio	-0.01	-0.01

Index Relative Historical Statistics 5 Years Ending December 31, 2022



	Garcia Hamilton Fixed income	rixed income inc
Actual Correlation	0.90	1.00
Information Ratio	0.24	N/A
R-Squared	0.81	1.00
Tracking Error	1.75	0.00

Benchmark: Garcia Hamilton Fixed Inc Index

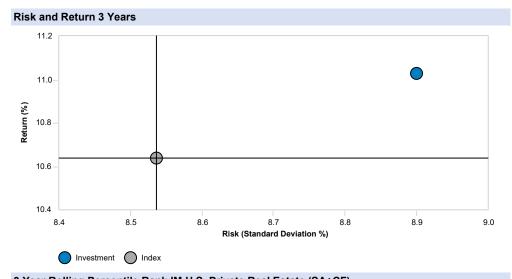


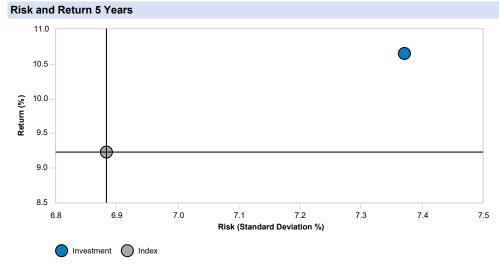
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Historical Stati	stics 3 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	11.03	8.90	1.13	98.38	10	71.38	2
Index	10.64	8.54	1.13	100.00	10	100.00	2

Historical Statistics 5 Years							
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	10.66	7.37	1.23	109.58	18	71.38	2
Index	9.23	6.88	1.12	100.00	18	100.00	2







Count

4 (20%)

6 (30%)

Count

0 (0%)

0 (0%)

Count

0 (0%)

14 (70%)

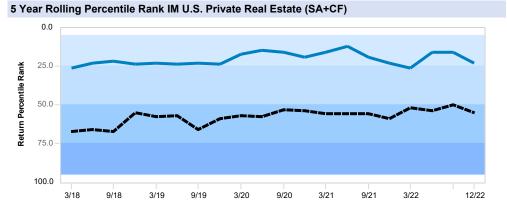
Count

16 (80%)

0 (0%)

20

20

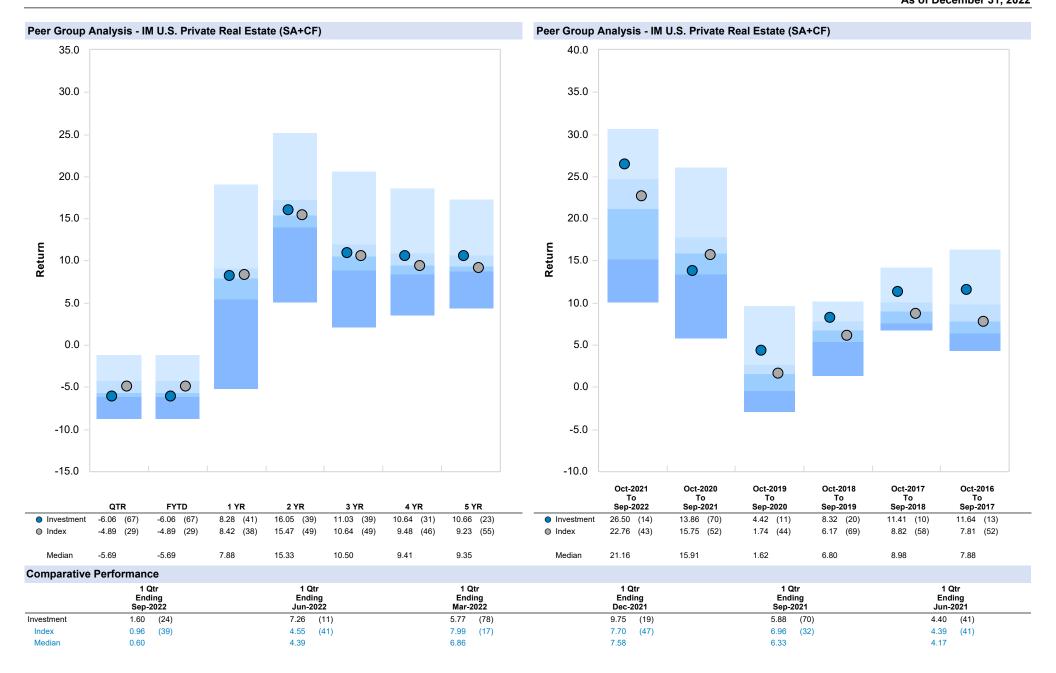


	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	20	18 (90%)	2 (10%)	0 (0%)	0 (0%)
Index	20	0 (0%)	1 (5%)	19 (95%)	0 (0%)



Investment

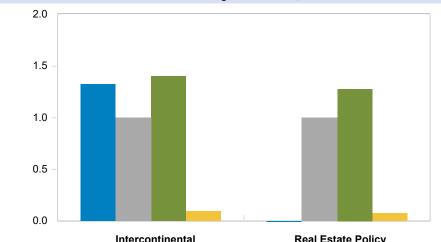
__ Index





Risk / Reward Historical Statistics 3 Years Ending December 31, 2022 1.6 1.2 0.8 0.4 0.0 **Real Estate Policy** Intercontinental Alpha 0.00 0.20 Beta 1.02 1.00 ■ Sharpe Ratio 1.22 1.26

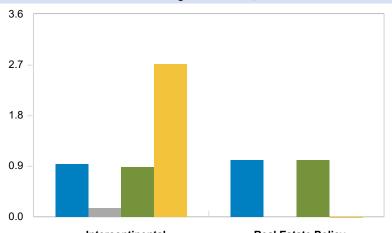
Risk / Reward Historical Statistics 5 Years Ending December 31, 2022



	Intercontinental	Real Estate Policy
■ Alpha	1.33	0.00
■ Beta	1.00	1.00
Sharpe Ratio	1.40	1.28
Treynor Ratio	0.09	0.08

Index Relative Historical Statistics 3 Years Ending December 31, 2022

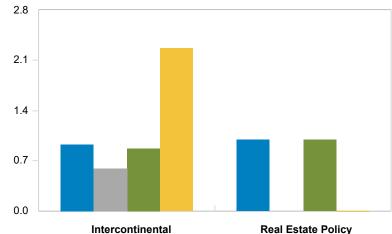
0.10



0.10

0.0		
	Intercontinental	Real Estate Policy
Actual Correlation	0.94	1.00
Information Ratio	0.15	N/A
R-Squared	0.88	1.00
Tracking Error	2.72	0.00

Index Relative Historical Statistics 5 Years Ending December 31, 2022



	intercontinental	iteai Estate i Oi
Actual Correlation	0.93	1.00
Information Ratio	0.60	N/A
R-Squared	0.87	1.00
Tracking Error	2.27	0.00

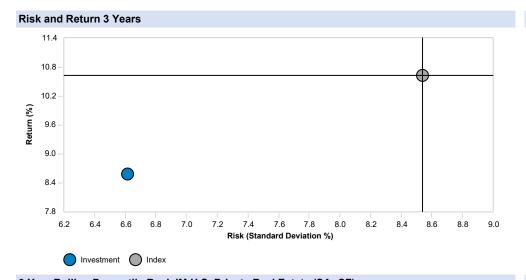
Benchmark: Real Estate Policy

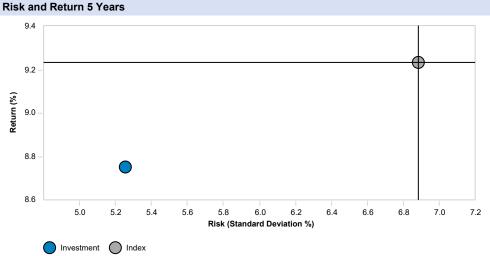
Treynor Ratio



Historical Stati	stics 3 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	8.59	6.62	1.14	84.74	9	104.82	3
Index	10.64	8.54	1.13	100.00	10	100.00	2

Historical Statistics 5 Years							
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	8.75	5.25	1.35	95.38	17	104.82	3
Index	9.23	6.88	1.12	100.00	18	100.00	2







Count

4 (20%)

6 (30%)

Count

14 (70%)

0 (0%)

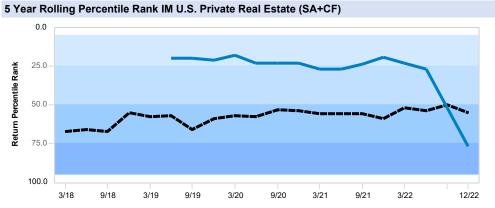
Count

1 (5%)

0 (0%)

Count 1 (5%)

14 (70%)



	Total Period	5-25 Cour		25-Me Cou		Media Cou		75-9 Cou		
Investment	15	10	(67%)	3	(20%)	1	(7%)	1	(7%)	
Index	20	0	(0%)	1	(5%)	19	(95%)	0	(0%)	

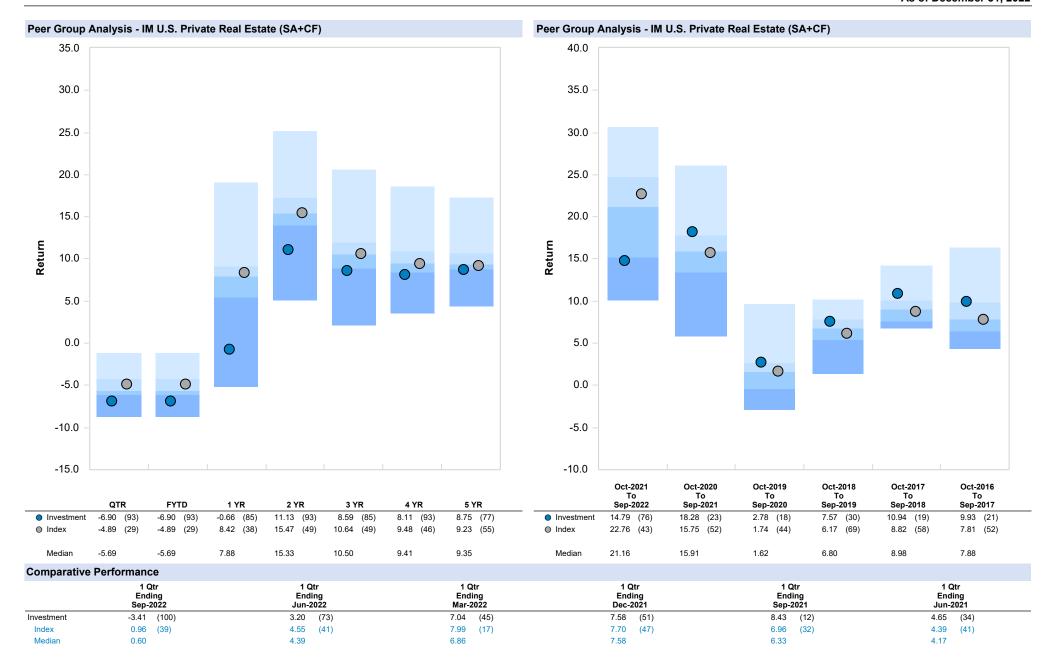


Investment

__ Index

20

20





Total Fund Historical Hybrid Composition			
Allocation Mandate	Weight (%)	Allocation Mandate	Weight (%)
Oct-2007		Apr-2014	
Blmbg. U.S. Aggregate Index	35.00	Bloomberg Intermed Aggregate Index	26.00
S&P 500 Index	29.00	S&P 500 Index	25.00
Russell Midcap Index	16.00	Russell Midcap Index	16.00
Russell 2000 Index	10.00	Russell 2000 Index	10.00
MSCI EAFE Index	10.00	MSCI EAFE Index	10.00
		NCREIF Property Index	10.00
Jul-2010		MSCI Emerging Markets Index	3.00
Blmbg. U.S. Aggregate Index	35.00		
S&P 500 Index	26.00	Oct-2016	
Russell Midcap Index	16.00	Bloomberg Intermed Aggregate Index	22.00
Russell 2000 Index	10.00	S&P 500 Index	26.00
MSCI EAFE Index	10.00	Russell Midcap Index	8.00
NCREIF Property Index	3.00	Russell 2000 Index	10.00
		MSCI EAFE Index	10.00
Apr-2011		NCREIF Property Index	13.00
Bloomberg Intermed Aggregate Index	35.00	MSCI Emerging Markets Index	3.00
S&P 500 Index	26.00	Russell 2500 Index	8.00
Russell Midcap Index	16.00		
Russell 2000 Index	10.00	Jan-2019	
MSCI EAFE Index	10.00	Bloomberg Intermed Aggregate Index	22.00
NCREIF Property Index	3.00	S&P 500 Index	19.00
		Russell Midcap Index	10.00
Oct-2011		Russell 2000 Index	10.00
Bloomberg Intermed Aggregate Index	30.00	MSCI EAFE Index	10.00
S&P 500 Index	29.00	NCREIF Property Index	14.00
Russell Midcap Index	16.00	MSCI Emerging Markets Index	4.00
Russell 2000 Index	10.00	Russell 2500 Index	10.00
MSCI EAFE Index	10.00	Invesco GI Lst Pr Eq (PSP)	1.00
NCREIF Property Index	5.00		
lan 2042		Jul-2019	
Jan-2013	00.00	S&P 500 Index	18.00
Bloomberg Intermed Aggregate Index	30.00	Russell 2000 Index	10.00
S&P 500 Index	26.00	Russell Midcap Index	15.00
Russell Midcap Index	16.00	Russell 2500 Index	5.00
Russell 2000 Index	10.00	MSCI EAFE Index	10.00
MSCI EAFE Index	10.00	MSCI Emerging Markets Index	4.00
NCREIF Property Index	5.00	Bloomberg Intermed Aggregate Index	22.00
MSCI Emerging Markets Index	3.00	NCREIF Fund Index-Open End Diversified Core (EW)	14.00
		Invesco GI Lst Pr Eq (PSP)	2.00



Allocation Mandate	Weight (%)	
Jul-2020		
S&P 500 Index	17.00	
Russell 2000 Index	10.00	
Russell Midcap Index	15.00	
Russell 2500 Index	5.00	
MSCI EAFE Index	10.00	
MSCI Emerging Markets Index	4.00	
Bloomberg Intermed Aggregate Index	22.00	
NCREIF Fund Index-Open End Diversified Core (EW)	14.00	
Invesco GI Lst Pr Eq (PSP)	3.00	



Total Equity Historical Hybrid Composition		Allegation Mandata	NA/-1(0/)
Allocation Mandate	Weight (%)	Allocation Mandate	Weight (%)
Oct-2007		Jul-2019	
S&P 500 Index	44.60	S&P 500 Index	27.00
Russell Midcap Index	24.60	Russell 2000 Index	16.00
Russell 2000 Index	15.40	Russell Midcap Index	23.00
MSCI EAFE Index	15.40	Russell 2500 Index	8.00
		MSCI EAFE Index	16.00
Jul-2010		MSCI Emerging Markets Index	6.00
S&P 500 Index	40.00	Invesco GI Lst Pr Eq (PSP)	4.00
Russell Midcap Index	24.60		
Russell 2000 Index	15.40		
MSCI EAFE Index	15.40		
NCREIF Property Index	4.60		
Oct-2011			
S&P 500 Index	45.00		
Russell Midcap Index	25.00		
Russell 2000 Index	15.00		
MSCI EAFE Index	15.00		
Jan-2013			
S&P 500 Index	40.00		
Russell Midcap Index	25.00		
Russell 2000 Index	15.00		
MSCI EAFE Index	15.00		
MSCI Emerging Markets Index	5.00		
Oct-2014			
S&P 500 Index	40.00		
Russell Midcap Index	12.50		
Russell 2000 Index	15.00		
MSCI EAFE Index	15.00		
MSCI Emerging Markets Index	5.00		
Russell 2500 Index	12.50		
Jan-2019			
S&P 500 Index	30.00		
S&P 500 Index Russell Midcap Index	16.00		
Russell 2000 Index	16.00		
MSCI EAFE Index	16.00		
MSCI Emerging Markets Index	6.00		
Russell 2500 Index	16.00		



Type of Fund: Fund Of Funds Vintage Year: 2017

Strategy Type: Buyouts **Management Fee:** 4/7/2017-6/30/2018; 0.75% - 7/1/2018-6/30/209; 0.85% - 7/1/2019-6/30/2023;

1.00%

Target IRR: 10.00%; Incentive Fee 5.00% **Inception:** 04/07/2017

General Partner: Aberdeen Private Equity Company VII, LLC

Investment Strategy: ABERDEEN U.S. PRIVATE EQUITY VII, L.P. ("APE VII") will seek to invest in a strategically concentrated portfolio of lower middle market private equity funds based principally in the U.S.

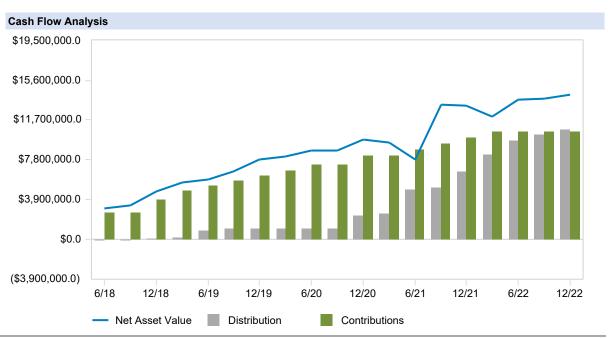
that are often difficult for investors to find, diligence and/or access. APE VII will focus on managers led by investment professionals that have a demonstrated ability to originate unique deal

flow, build value in companies

post-close and generate premium investment returns. Additionally, APE VII will seek to invest up to 20% of the total portfolio in co-investments and secondaries as a way to enhance APE

VII's return profile and help mitigate its j-curve.

Cash Flow Summary	
Capital Committed:	\$12,000,000
Capital Invested:	\$10,560,000
Management Fees:	\$154,246
Expenses:	\$1,042
Interest:	\$41,143
Total Contributions:	\$10,602,185
Remaining Capital Commitment:	\$1,440,000
Total Distributions:	\$10,792,803
Market Value:	\$14,175,511
Inception Date:	05/16/2018
Inception IRR:	37.7
TVPI:	2.4





Type of Fund: Fund Of Funds **Vintage Year:** 2021

Strategy Type: Buyout - Small **Management Fee:** 6/2021-6/30/2022; 0.75% - 7/1/2022-6/30/2023; 0.85% - 7/1/2023-6/30/2026;

1.00%

Preferred Return: 8.0% Inception: 02/25/2021

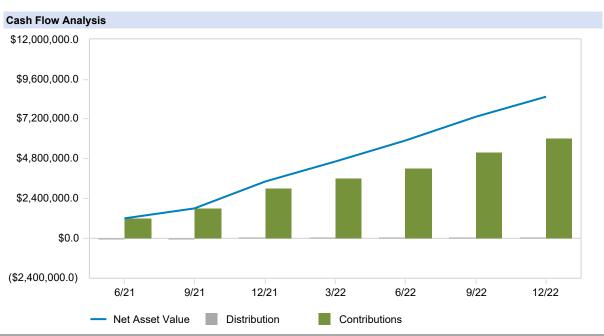
General Partner: Aberdeen Standard Private Equity Company IX, LLC

Investment Strategy: ABERDEEN STANDARD U.S. PRIVATE EQUITY IX, L.P. ("APE IX") will seek to invest in a strategically concentrated portfolio of lower middle market private equity funds based principally

in the U.S. that are often difficult for investors to find, diligence and/or access. APE IX will focus on managers led by investment professionals that have a demonstrated ability to originate unique deal flow, build value in companies post-close and generate premium investment returns. Additionally, APE IX will seek to invest a meaningful portion of the fund into co-investments,

seasoned primaries and secondaries as a way to enhance APE IX's return profile and help mitigate its j-curve.

Cash Flow Summary	
Capital Committed:	\$12,000,000
Capital Invested:	\$6,000,000
Management Fees:	-
Expenses:	-
Interest:	-
Total Contributions:	\$6,000,000
Remaining Capital Commitment:	\$6,037,347
Total Distributions:	\$37,347
Market Value:	\$8,582,362
Inception Date:	06/03/2021
Inception IRR:	44.8
TVPI:	1.4





Type of Fund: Partnership **Vintage Year:** 2017

Strategy Type: Other Management Fee: Option 1: 0.90% with avg. annual fee estimated at 0.50%; Option 2: 0.55% with

avg. annual fee estimated at 0.31%. Carry or Incentive fee subject to an 8% preferred return with reciprocal catch-up. Performance fees: 10% secondary and

15% directs with

Target IRR: Target IRR 18% **Inception:** 07/01/2018

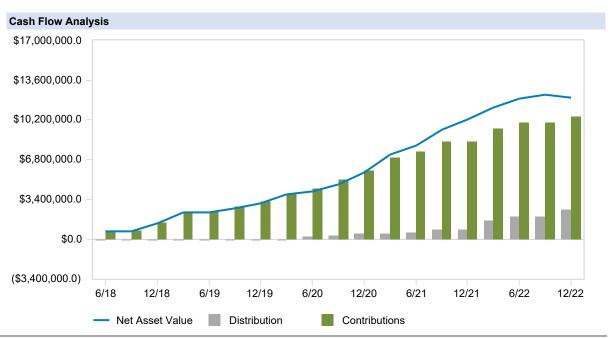
General Partner:

Investment Strategy: Bottom up, opportunistic investment approach seeking the highest conviction ideas. Appropriately diversified by stage, sector, geography and vintage year, but without pre-set allocation

minimums. Willingness to over- or under-weight sectors or strategies. Invest in top tier, core private equity partnership commitments, special situations including partially funded primaries.

Largely funded secondary interests. Direct investments in high conviction private companies.

Cash Flow Summary	
Capital Committed:	\$12,000,000
Capital Invested:	\$10,297,931
Management Fees:	\$165,680
Expenses:	\$27,881
Interest:	\$4,420
Total Contributions:	\$10,495,912
Remaining Capital Commitment:	\$2,025,098
Total Distributions:	\$2,538,738
Market Value:	\$12,120,863
Inception Date:	05/18/2018
Inception IRR:	15.8
TVPI:	1.4





Type of Fund: Fund Of Funds **Vintage Year:** 2020

Strategy Type: Hybrid Management Fee: 0.90%, reduced by 5% per year after year 5.

 Size of Fund:
 905,000,000
 Preferred Return:
 8.0%

 Inception:
 12/20/2019
 General Partner:
 GPE GP LLC

Final Close: 10/9/2020 **Number of Funds:** 0

Investment Strategy: PEG Global Private Equity IX, a continuation of our Global Private Equity strategy, is expected to be a diversified global private equity portfolio comprised of both corporate finance and

venture capital/growth investments. Within corporate finance, investments are typically focused on small to mid-market and opportunistically larger companies, targeting proven GP teams with sector and strategy focus that can provide an execution and operating advantage. Within venture capital/growth, we plan to focus on areas of innovation and target GPs with domain expertise and strong entrepreneurial networks. GPE IX can commit up to 50% in secondary and direct investments, which are expected to be return and income enhancing to the portfolio

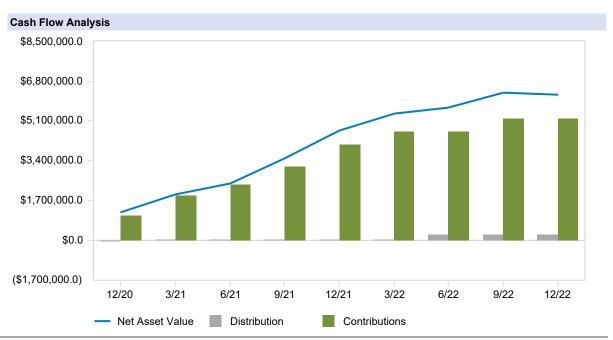
and mitigate j-curve risk.

\$12,000,000

1.3

Cash Flow Summary Capital Committed:

Capital Invested: \$5,137,636 **Management Fees:** \$66,344 **Expenses:** \$126 Interest: **Total Contributions:** \$5,204,106 Remaining Capital Commitment: \$7,081,126 **Total Distributions:** \$277.354 Market Value: \$6.242.193 Inception Date: 11/06/2020 Inception IRR: 17.5





TVPI:

Type of Fund: Fund Of Funds Vintage Year: 2022

Strategy Type: Hybrid Management Fee: 0.90%, reduced by 5% per year after year 5.

Size of Fund: - Preferred Return: 8

Inception: 01/01/2022 General Partner: GPE GP LLC

Final Close: Number of Funds:

Investment Strategy: Global Private Equity (GPE) X is a continuation of PEG's global PE program established in 2014, which was a response to client demand for a "one stop shop" for globally diversified private

equity exposure. GPE X intends to follow an opportunistic approach that will invest in both buyout and venture capital/growth opportunities across regions and investment types. In buyout, the team focuses primarily on the small and middle market (enterprise values below \$1 billion). Within VC/growth, the team focuses on both early stage and growth stage investments. The

approach is flexible and may invest up to 50% of the portfolio in co-investments and secondaries.

Cash Flow Summary

 Capital Committed:
 \$12,000,000

 Capital Invested:
 \$518,460

 Management Fees:
 \$1,622

 Expenses:
 \$16,004

 Interest:

 Total Contributions:
 \$536,086

 Remaining Capital Commitment:
 \$11,479,259

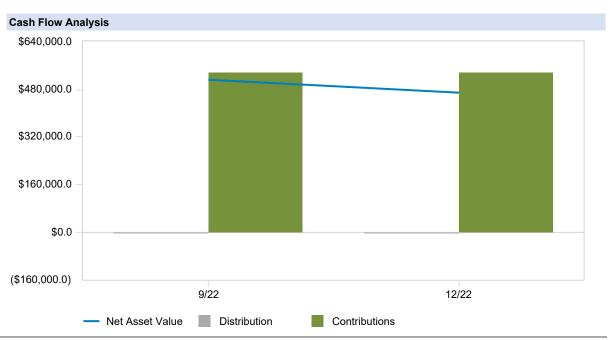
Total Distributions: -

Market Value: \$467,955

 Inception Date:
 07/12/2022

 Inception IRR:
 -12.7

 TVPI:
 0.9





Cash Flow Summary

Type of Fund: Fund Of Funds

Strategy Type: Buyouts Management Fee: Years 1-4 = 80bps on committed capital; years 5-7 = 60bps on net invested

capital; years 8+ = 30bps on net invested capital.

Target IRR: 8.0% Inception: 03/08/2019

General Partner: Taurus Private Markets GP, LP

Investment Strategy: Approximately 80% of the Fund will be invested in lower middle market LBO funds. We believe this area of the market provides an opportunity to generate superior returns because of the

inefficiencies that still remain in this space. Private credit will be approximately 10% of the Fund's invested capital. We believe private credit will help make the j-curve shorter and less dramatic because of the cash flow characteristics. Venture Capital will be approximately 10% of the Fund's invested capital. We believe we have very good access in the venture capital space as a result of investing here for approximately 20 years. We believe the venture capital investments have a good opportunity to provide impressive multiples on capital to the Fund.

Vintage Year:

2019

These investment strategies and the portfolio construction are items that we have successfully executed on before.

Cash Flow Summary	
Capital Committed:	\$12,000,000
Capital Invested:	\$3,960,000
Management Fees:	-
Expenses:	-
Interest:	\$47,603
Total Contributions:	\$4,007,603
Remaining Capital Commitment:	\$8,040,000
Total Distributions:	\$85,182
Market Value:	\$4,022,116
Inception Date:	04/07/2020
Inception IRR:	1.6
TVPI:	1.0





	% of Portfolio	Market Value (\$)	Estimated Annual Fee (\$)	Estimated Annual Fee (%)
Total Fund Composite	100.00	434,921,102	2,136,707	0.49
Total Equity Composite	55.85	242,898,194	884,505	0.36
Total Domestic Equity	42.56	185,124,059	664,813	0.36
RhumbLine Equity S&P 500	8.87	38,556,910	15,423	0.04
RhumbLine R1000 Value	2.14	9,305,070	3,722	0.04
RhumbLine R1000 Growth	1.97	8,548,424	3,419	0.04
RhumbLine S&P Mid Cap 400	5.16	22,448,922	8,980	0.04
Anchor Equity	5.25	22,838,832	114,194	0.50
SSGA Small-Mid Cap Equity (SSMKX)	4.01	17,422,372	13,938	0.08
Barrow Hanley SCV	5.40	23,493,866	164,457	0.70
Eagle Equity	4.75	20,651,944	154,890	0.75
Total International & Emerging Equity	13.28	57,774,135	219,692	0.38
RhumbLine International Equity	5.21	22,639,979	9,056	0.04
Vanguard Intl Equity (VTRIX)	5.19	22,565,280	103,800	0.46
Invesco Emerging Markets Equity	2.89	12,568,876	106,835	0.85
Total Fixed Income Composite	12.50	54,350,148	134,893	0.25
Garcia Hamilton Fixed Income	7.57	32,943,667	65,887	0.20
/anguard Short Term Bond (VBITX)	1.15	4,991,275	2,496	0.05
_azard Emerging Markets Debt Blend Fund L.P.	1.82	7,925,523	31,702	0.40
PGIM Emerging Market Debt	1.95	8,489,684	34,808	0.41
Total Real Estate Composite	16.13	70,156,941	515,936	0.74
J.P. Morgan	5.58	24,281,009	3,035	0.01
ntercontinental	10.07	43,809,413	481,904	1.10
Affiliated Housing Impact Fund LP	0.48	2,066,519	30,998	1.50
Total Private Equity	10.49	45,611,000	407,779	0.89
Aberdeen U.S. P.E. VII *	3.26	14,175,511	141,755	1.00
JP Morgan Global P.E. VII *	2.79	12,120,863	109,088	0.90
Taurus Private Markets Fund, LP *	0.92	4,022,116	32,177	0.80
JP Morgan Global P.E. IX *	1.44	6,242,193	56,180	0.90
Aberdeen U.S. P.E. IX *	1.97	8,582,362	64,368	0.75
JP Morgan Global P.E. X *	0.11	467,955	4,212	0.90
Total Alternatives	3.38	14,685,913	183,574	1.25
EnTrust Global Special Opp Fd	3.38	14,685,913	183,574	1.25

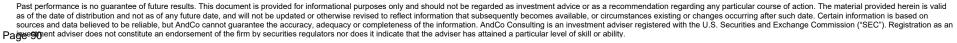


 $^{^{\}star}\,\mbox{See}$ PE Fund Overview pages for more details on fees.

As of December 31, 2022

Annua	Annual Asset Class Performance														
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	YTD
Best	Blmbg. U.S. Aggregate Index 5.2 %	MSCI Emerging Markets (Net) Index 78.5 %	Russell 2000 Growth Index 29.1 %	NCREIF Fund Index-ODCE (EW) (Net) 15.0 %	MSCI Emerging Markets (Net) Index 18.2 %	Russell 2000 Growth Index 43.3 %	S&P 500 Index 13.7 %	NCREIF Fund Index-ODCE (EW) (Net) 14.2 %	Russell 2000 Value Index 31.7 %	MSCI Emerging Markets (Net) Index 37.3 %	NCREIF Fund Index-ODCE (EW) (Net) 7.3 %	Russell 1000 Growth Index 36.4 %	Russell 1000 Growth Index 38.5 %	S&P 500 Index 28.7 %	NCREIF Fund Index-ODCE (EW) (Net) 7.6 %
	Bloomberg Global Aggregate Ex USD 4.4 %	Blmbg. U.S. Corp High Yield 58.2 %	Russell 2000 Index 26.9 %	Blmbg. U.S. Aggregate Index 7.8 %		Russell 2000 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 %
	NCREIF Fund Index-ODCE (EW) (Net) -11.1 %	Russell 1000 Growth Index 37.2 %	Russell 2000 Value Index 24.5 %	Blmbg. U.S. Corp High Yield 5.0 %	Russell 1000 Value Index 17.5 %	Russell 2000 Value Index 34.5 %	Russell 1000 Growth Index 13.1 %	S&P 500 Index 1.4 %	Russell 1000 Value Index 17.3 %	MSCI EAFE (Net) Index 25.0 %	Russell 1000 Growth Index -1.5 %	Russell 2000 Growth Index 28.5 %	Russell 2000 Index 20.0 %	Russell 1000 Growth Index 27.6 %	Blmbg. U.S. Corp High Yield -11.2 %
	Blmbg. U.S. Corp High Yield -26.2 %	Russell 2000 Growth Index 34.5 %	MSCI Emerging Markets (Net) Index 18.9 %	Bloomberg Global Aggregate Ex USD 4.4 %	MSCI EAFE (Net) Index 17.3 %	Russell 1000 Growth Index 33.5 %	NCREIF Fund Index-ODCE (EW) (Net) 11.4 %	Blmbg. U.S. Aggregate Index 0.5 %	Blmbg. U.S. Corp High Yield 17.1 %	Russell 2000 Growth Index 22.2 %	Blmbg. U.S. Corp High Yield -2.1 %	Russell 1000 Value Index 26.5 %	S&P 500 Index 18.4 %	Russell 1000 Value Index 25.2 %	Blmbg. U.S. Aggregate Index -13.0 %
	Russell 2000 Value Index -28.9 %	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 -33.8 %	Russell 2000 Index 27.2 %	Russell 1000 Value Index 15.5 %	S&P 500 Index 2.1 %	S&P 500 Index 16.0 %	S&P 500 Index 32.4 %	Russell 2000 Growth Index 5.6 %	Russell 2000 Growth Index -1.4 %	Russell 2000 Growth Index 11.3 %	Russell 2000 Index 14.6 %	S&P 500 Index -4.4 %		Bloomberg Global Aggregate Ex USD 10.1 %	Russell 2000 Index 14.8 %	Russell 2000 Value Index -14.5 %
	Russell 1000 Value Index -36.8 %	S&P 500 Index 26.5 %	Blmbg. U.S. Corp High Yield 15.1 %	Russell 1000 Value Index 0.4 %	Blmbg. U.S. Corp High Yield 15.8 %	MSCI EAFE (Net) Index 22.8 %	Russell 2000 Index 4.9 %	Russell 1000 Value Index -3.8 %	MSCI Emerging Markets (Net) Index 11.2 %	Russell 1000 Value Index 13.7 %	Russell 1000 Value Index -8.3 %	MSCI EAFE (Net) Index 22.0 %	MSCI EAFE (Net) Index 7.8 %	MSCI EAFE (Net) Index 11.3 %	S&P 500 Index -18.1 %
	S&P 500 Index -37.0 %	Russell 2000 Value Index 20.6 %	NCREIF Fund Index-ODCE (EW) (Net) 15.1 %	Russell 2000 Growth Index -2.9 %	Russell 1000 Growth Index 15.3 %	NCREIF Fund Index-ODCE (EW) (Net) 12.4 %	Russell 2000 Value Index 4.2 %	Russell 2000 Index -4.4 %	NCREIF Fund Index-ODCE (EW) (Net) 8.4 %	Bloomberg Global Aggregate Ex USD 10.5 %	Russell 2000 Growth Index -9.3 %	MSCI Emerging Markets (Net) Index 18.4 %	Blmbg. U.S. Aggregate Index 7.5 %	Blmbg. U.S. Corp High Yield 5.3 %	Bloomberg Global Aggregate Ex USD -18.7 %
	Russell 1000 Growth Index -38.4 %	Russell 1000 Value Index 19.7 %	S&P 500 Index 15.1 %	Russell 2000 Index -4.2 %	Russell 2000 Growth Index 14.6 %	Blmbg. U.S. Corp High Yield 7.4 %	Blmbg. U.S. Corp High Yield 2.5 %	Blmbg. U.S. Corp High Yield -4.5 %	Russell 1000 Growth Index 7.1 %	Russell 2000 Value Index 7.8 %	Russell 2000 Index -11.0 %	Blmbg. U.S. Corp High Yield 14.3 %	Blmbg. U.S. Corp High Yield 7.1 %	Russell 2000 Growth Index 2.8 %	MSCI Emerging Markets (Net) Index -20.1 %
	Russell 2000 Growth Index -38.5 %	Bloomberg Global Aggregate Ex USD 7.5 %	MSCI EAFE (Net) Index 7.8 %	Russell 2000 Value Index -5.5 %	NCREIF Fund Index-ODCE (EW) (Net) 9.9 %	Blmbg. U.S. Aggregate Index -2.0 %	MSCI Emerging Markets (Net) Index -2.2 %	Bloomberg Global Aggregate Ex USD -6.0 %	Blmbg. U.S. Aggregate Index 2.6 %	Blmbg. U.S. Corp High Yield 7.5 %	Russell 2000 Value Index -12.9 %	Blmbg. U.S. Aggregate Index 8.7 %	Russell 2000 Value Index 4.6 %	Blmbg. U.S. Aggregate Index -1.5 %	Russell 2000 Index -20.4 %
	MSCI EAFE (Net) Index -43.4 %	Blmbg. U.S. Aggregate Index 5.9 %	Blmbg. U.S. Aggregate Index 6.5 %	MSCI EAFE (Net) Index -12.1 %	Blmbg. U.S. Aggregate Index 4.2 %	MSCI Emerging Markets (Net) Index -2.6 %	Bloomberg Global Aggregate Ex USD -3.1 %	Russell 2000 Value Index -7.5 %	Bloomberg Global Aggregate Ex USD 1.5 %	NCREIF Fund Index-ODCE (EW) (Net) 6.9 %	MSCI EAFE (Net) Index -13.8 %	NCREIF Fund Index-ODCE (EW) (Net) 5.2 %	Russell 1000 Value Index 2.8 %	MSCI Emerging Markets (Net) Index -2.5 %	Russell 2000 Growth Index -26.4 %
Worst	MSCI Emerging Markets (Net) Index -53.3 %	NCREIF Fund Index-ODCE (EW) (Net) -31.3 %	Bloomberg Global Aggregate Ex USD 4.9 %	MSCI Emerging Markets (Net) Index -18.4 %	Bloomberg Global Aggregate Ex USD 4.1 %	Bloomberg Global Aggregate Ex USD -3.1 %	MSCI EAFE (Net) Index -4.9 %	MSCI Emerging Markets (Net) Index -14.9 %	MSCI EAFE (Net) Index 1.0 %	Blmbg. U.S. Aggregate Index 3.5 %	MSCI Emerging Markets (Net) Index -14.6 %	Bloomberg Global Aggregate Ex USD 5.1 %	NCREIF Fund Index-ODCE (EW) (Net) 0.8 %	Bloomberg Global Aggregate Ex USD -7.1 %	Russell 1000 Growth Index -29.1 %

Source: Investment Metrics





Δ	cti	ve	R	۵tı	ırn

- Arithmetic difference between the manager's performance and the designated benchmark return over a specified time period.

Alpha

- A measure of the difference between a portfolio's actual performance and its expected return based on its level of risk as determined by beta. It determines the portfolio's non-systemic return, or its historical performance not explained by movements of the market.

Beta

- A measure of the sensitivity of a portfolio to the movements in the market. It is a measure of the portfolio's systematic risk.

Consistency

- The percentage of quarters that a product achieved a rate of return higher than that of its benchmark. Higher consistency indicates the manager has contributed more to the product's performance.

Distributed to Paid In (DPI)

- The ratio of money distributed to Limited Partners by the fund, relative to contributions. It is calculated by dividing cumulative distributions by paid in capital. This multiple shows the investor how much money they got back. It is a good measure for evaluating a fund later in its life because there are more distributions to measure against.

Down Market Capture

- The ratio of average portfolio performance over the designated benchmark during periods of negative returns. A lower value indicates better product performance

Downside Risk

- A measure similar to standard deviation that utilizes only the negative movements of the return series. It is calculated by taking the standard deviation of the negative quarterly set of returns. A higher factor is indicative of a riskier product.

Excess Return

- Arithmetic difference between the manager's performance and the risk-free return over a specified time period.

Excess Risk

- A measure of the standard deviation of a portfolio's performance relative to the risk free return.

Information Ratio

- This calculates the value-added contribution of the manager and is derived by dividing the active rate of return of the portfolio by the tracking error. The higher the Information Ratio, the more the manager has added value to the portfolio.

Public Market Equivalent (PME)

- Designs a set of analyses used in the Private Equity Industry to evaluate the performance of a Private Equity Fund against a public benchmark or index.

R-Squared

- The percentage of a portfolio's performance that can be explained by the behavior of the appropriate benchmark. A high R-Squared means the portfolio's performance has historically moved in the same direction as the appropriate benchmark.

Return

- Compounded rate of return for the period.

Sharpe Ratio

- Represents the excess rate of return over the risk free return divided by the standard deviation of the excess return. The result is an absolute rate of return per unit of risk. A higher value demonstrates better historical risk-adjusted performance.

Standard Deviation

- A statistical measure of the range of a portfolio's performance. It represents the variability of returns around the average return over a specified time period.

Total Value to Paid In (TVPI)

- The ratio of the current value of remaining investments within a fund, plus the total value of all distributions to date, relative to the total amount of capital paid into the fund to date. It is a good measure of performance before the end of a fund's life

Tracking Error

- This is a measure of the standard deviation of a portfolio's returns in relation to the performance of its designated market benchmark.

Treynor Ratio

- Similar to Sharpe ratio but utilizes beta rather than excess risk as determined by standard deviation. It is calculated by taking the excess rate of return above the risk free rate divided by beta to derive the absolute rate of return per unit of risk. A higher value indicates a product has achieved better historical risk-adjusted performance.

Up Market Capture

- The ratio of average portfolio performance over the designated benchmark during periods of positive returns. A higher value indicates better product performance.



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