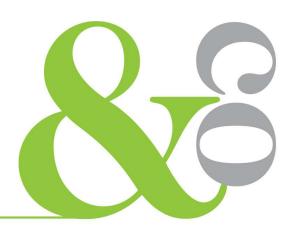
Investment Performance Review Period Ending June 30, 2022

# West Palm Beach Police Pension Plan



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As you may recall from our Client Letter at the beginning of the year, AndCo 2021 was the first year we launched an initiative to participate in this research remains steadfast in our belief and conviction that the best way to service our valued clients is within a model that is independent, singularly focused, customized, and passionately delivered. We continue to reinvest 100% of our net profits back into the organization to enhance our customized service model and provide the appropriate resources for all our team members to serve our valued clients at a high level.

To that end, we are thrilled to share that AndCo is the recipient of a Greenwich Quality Leader Award for mid-sized consulting firms!

Coalition Greenwich is a leading global provider of data, analytics, and insights to As we have stated since our rebrand in 2017, our name, AndCo, reminds us of the financial services industry, and the Greenwich Exchange provides institutional investors with robust and actionable data to inform their decision-making. Research participants receive regional and global industry insights, as well as your trust, and add value. peers' perceptions of asset managers and investment consultants.

Outlined below are the award criteria research participants answer that determines Quality Leader Awards each year. To qualify as a research participant you must have at least \$150MM in investable assets.

opportunity and the experience helped glean key insights into what is important for our clients and how we can better serve them going forward. We deeply appreciate the client representatives that acted as research participants in the 2021 study.

While our consultants are the tip of the spear when servicing our clients, this award, and our overall client service experience, would not have been possible without the work of our entire AndCo team. We greatly appreciate their ongoing work and efforts that made this award possible.

who we work for every day - "Our Client" &Co. You will always be first in our service model and at the forefront of each team member's efforts to serve, earn

Thank you again for your valued partnership and the opportunity to serve you. We share this award with you and will continue to work hard to earn your trust as we move forward in these challenging market environments.

#### **GREENWICH QUALITY LEADER AWARD CRITERIA**

Understanding of Client Goals and Objectives Advice on DC Plan Structure and Design Credibility with Investment Committee Proactive Advice and Innnovative Ideas

Client Satisfaction with Manager Recommendations Communication of Philosophy and Investment Beliefs Advice on Long-Term Asset Allocation and Liability Issues Responsiveness and Prompt Follow-Up on Client Requests Usefulness of Written Investment Reviews

Timeliness in Providing Written Reports Capability of Consultants Assigned to Clients **Usefulness of Personal Meetings** Sufficient Professional Resources

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METHODOLOGY FOR THIS AWARD: Between July and October 2021, Coalition Greenwich conducted interviews with 811 individuals from 661 of the largest tax-exempt funds in the United States. These U.S.-based institutional investors are corporate and union funds, public funds, and endowment and foundation funds, with either pension or investment pool assets greater than \$150 million. Study participants were asked to provide quantitative and qualitative evaluations of their asset management and investment consulting providers, including qualitative assessments of those firms soliciting their business and detailed information on important market trends.



2nd Quarter 2022 Market Environment



#### The Economy

- Global economic growth continued to slow during the 2nd quarter as global central banks tightened monetary policy in order to fight persistently high inflation. Additionally, rising geopolitical concerns related to Russia's continued action in Ukraine, China's zero-Covid policy, and social unrest in emerging markets all contributed to the slowdown.
- The US Federal Reserve Bank (the Fed) increased interest rates twice during the quarter by a total of 1.25%. June's rate increase of 0.75% was the largest interest rate increase since the early 1990s. The Fed indicated that its primary focus is arresting the increase in inflation which could require additional rate increases.
- The US labor market continues to be a source of strength with the unemployment rate holding steady at 3.6% in June. The pace of job growth remains above the market's expectations with 390,000 and 372,000 new jobs created in May and June, respectfully. Despite these gains, the number of available workers entering the workforce remains significantly below the pre-pandemic high.
- The US housing market showed signs of cooling as higher mortgage rates pushed many buyers out of the market. Importantly, housing starts and new building permits continued their downward trend which suggests future new inventory may fall short of demand. Finally, home price appreciation continued to increase as measured by the Cash-Shiller Home Price Index.

#### **Equity (Domestic and International)**

- US equities declined broadly during the 2nd quarter as worries regarding inflation, sharply higher interest rates, rising recession risk, and continued geopolitical events weighed on the equity market. Large cap value was the least negative (-12.2%) segment of the domestic equity market relative to other styles and capitalizations for the second consecutive quarter. Mid-cap growth was the worst performing style, falling 21.1% for the period.
- International stocks also struggled during the 2nd quarter as the continuing conflict in Ukraine and persistently high inflation drove markets lower. Western Europe was negatively affected by rising energy prices due to continued restrictions on purchases from Russia. Additionally, both the Euro and Yen currencies fell against the US dollar (USD) because of increasing uneasiness over future economic growth.

#### **Fixed Income**

- Concerns about current inflation levels, combined with the Fed's stated commitment to continue raising interest rates, were the primary drivers of return during the 2nd quarter. US interest rates moved significantly higher during the quarter with the US 10-Year Treasury bond rising 63 basis points to close at a yield of 2.98%.
- Performance was broadly negative across all bond market sectors during the quarter with US Treasury bonds holding up the most as market volatility increased.
- Investment grade corporate bonds underperformed higher quality mortgagebacked and US Treasury bonds during the quarter. High yield bonds also lagged their peers as fears over future economic growth and weaker corporate earnings drove credit spreads wider.
- Counterintuitively, TIPS underperformed nominal US Treasury bonds during the quarter as the bond market's future expectation for inflation declined.

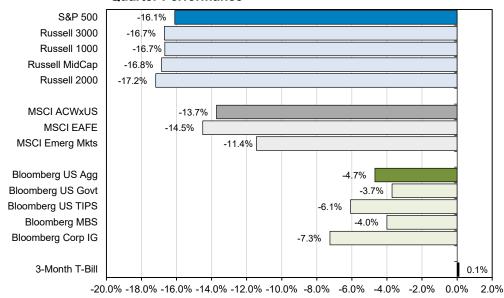
#### **Market Themes**

- The pace of global central bank monetary tightening increased during the quarter with the both the Fed and Bank of England raising interest rates. The European Central Bank also hinted it would begin raising rates during the 3rd quarter.
- The crisis in Ukraine continues to negatively impact global economic growth.
   Specifically, recently imposed restrictions will likely result in higher energy costs in Europe just as economic growth beings to slow.
- US equity markets experienced their second consecutive negative quarter of performance and their worst start to a calendar year since the 1970s. Growthoriented stocks significantly underperformed value stocks as investors' fears about rising inflation and future economic growth carried through to asset prices. Historically, growth stocks have underperformed value stocks as the economy slows.
- Interest rates continued to rise across the Treasury yield curve during the quarter as investors believe the Fed will continue to raise interest rates to fight inflation. The shape of the yield curve remained relatively flat between two- and ten-year maturities. Historically, the yield curve has been used as a leading indicator to predict the market's expectations of a recession.

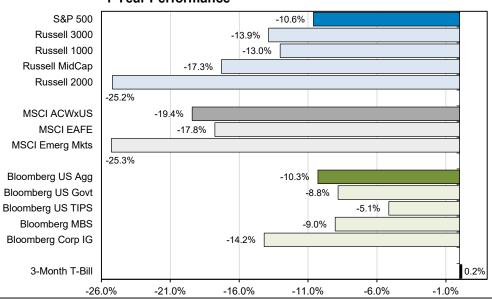


- Broad US equity markets continued their recent trend delivering negative returns during the 2nd quarter of 2022. A variety of factors contributed to performance including persistently high inflation, the potential for future interest rate increases, geopolitical events in Ukraine, and concerns related to slower economic growth. For the period, the S&P 500 large cap benchmark returned -16.1%, compared to -16.8% for mid-cap and -17.2% for small cap indices.
- Developed market international equities also suffered negative results for the 2nd quarter. Europe continues to be negatively impacted by the ongoing crisis in Ukraine. Recently, restrictions related to Russian energy imports were imposed leading to further energy cost increases. For the quarter, the MSCI EAFE Index declined by -14.5%.
- Emerging markets were also under pressure due to the continued conflict in Ukraine and China's "Zero Covid" policy. During the period, the MSCI Emerging Markets Index fell by -11.4%
- Bond market performance was broadly negative for the quarter due to rising inflation and the prospect of additional interest rate increases. The Bloomberg (BB) US Aggregate Index returned -4.7% for the period while Investment Grade Corporate bonds posted a return of -7.3%. US Treasury bonds held up the most for the period, but still declined by -3.7%.
- The quarter's negative performance added to challenged returns of developed equity markets over the trailing 1-year period. The primary drivers of returns during the period were rising inflation, the path of interest rates, and future economic growth. The S&P 500 large cap stock index led relative equity market performance for the year but still returned a disappointing -10.6%. The downside outlier was the Russell 2000 small cap index, which declined by -25.3% for the year.
- Similar to domestic equities, the developed international and emerging markets suffered negative returns over the trailing 1-year period. The developed market MSCI EAFE Index posted a return of -17.8% while the MSCI Emerging Markets Index pulled back by -25.3%. Economic growth slowed throughout the year as monetary stimulus wore off and it became increasingly clear that high inflation levels were not transitory.
- Bond market returns also disappointed over the trailing 1-year period with the BB US Aggregate Index dropping by -10.3%.

#### **Quarter Performance**



#### 1-Year Performance



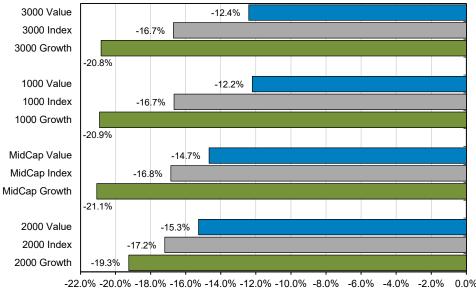
Source: Investment Metrics



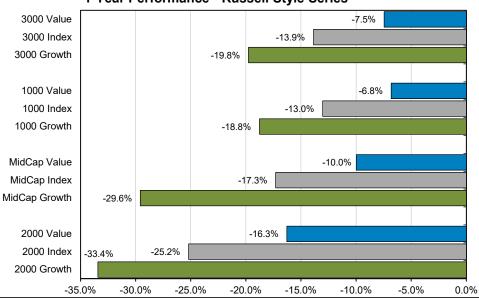
- Volatility increased during the 2nd quarter as each broad US equity benchmark posted negative results across both the style and market capitalization spectrums. Large cap stocks continued their leadership, followed by mid and small cap issues. The Russell 1000 Index declined by -16.7% for the quarter while the Russell Mid Cap Index and the Russell 2000 Index fell by -16.8% and -17.2%, respectively.
- Performance across styles and market capitalizations was disparate during the quarter. Value stocks handily outpaced their growth counterparts across market capitalizations. For the period, the Russell 1000 Value Index was the least negative performing style index, posting a weak return of -12.2%. Mid cap and large cap growth stocks fell even further with the Mid Cap Growth Index declining by -21.1% and the Russell 1000 Growth Index posting a return of -20.9%.

- Performance across all market capitalizations and styles were also negative over the trailing 1-year period. Much like the 2nd quarter, large cap stocks were down less than mid and small cap stocks for the 1-year period. The Russell 1000 Index returned -13.0% for the year but was down significantly less than both its mid and small cap growth index counterparts. The downside outlier during the period was the Russell 2000 Index which fell by -25.2%.
- The return dispersion across market styles was also wide for the trailing 1-year period and value stocks were down less than growth stocks by a two-to-one margin across large, mid and small style-based indexes. The return dispersion was extreme with the Russell 1000 Value Index returning -6.8%, and at the other end of the spectrum, the Russell 2000 Growth Index posting a return of -33.4%.

#### **Quarter Performance - Russell Style Series**



#### 1-Year Performance - Russell Style Series

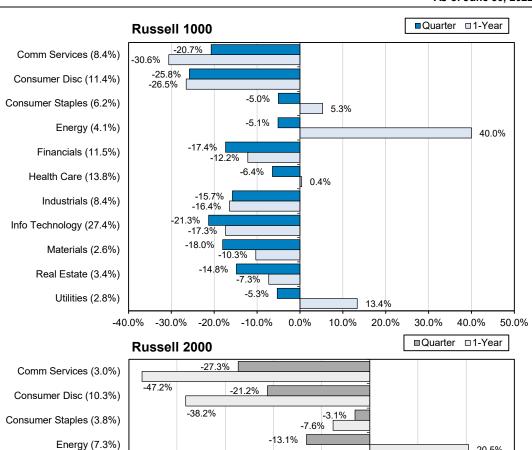


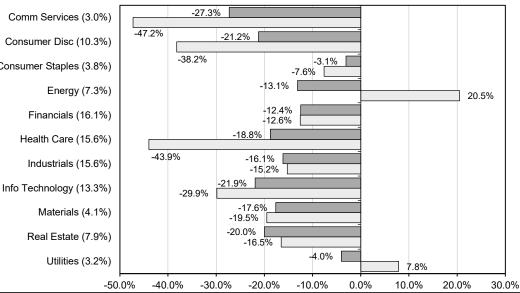
Source: Investment Metrics



- Economic sector performance was negative across all eleven large cap economic sectors for the 2nd quarter. Only four sectors were down less than the return of the broader Russell 1000 Index (-16.7%) on a relative basis during the period.
- Defensive sectors including consumer staples (-5.0%) energy (-5.1%), and utilities (-5.3%) were the least negative performing sectors for the quarter. Concerns about a potential economic slowdown drove the performance of consumer staples during the period. Energy prices remained elevated which acted as a tailwind for the sector. Economically sensitive sectors such as consumer discretionary (-25.8%), information technology (-21.3%), and communication services (-20.7%), significantly underperformed the broader index for the quarter.
- For the full year, seven sectors exceeded the return of the broad large cap benchmark: energy (40.0%), utilities (13.4%), consumer staples (5.3%), health care (0.4%), real estate (-7.3%), materials (-10.3%), and financials (-12.2%). The weakest economic sector performance in the Russell 1000 for the year was communication services (-30.6%).

- Small cap sector performance was also broadly negative for the 2nd quarter with all sectors posting negative performance. Five sectors were down less than the return of the broader Russell 2000 Index (-17.2%) on a relative basis. The consumer staples (-3.1%) sector held up the most for the quarter and the communication services (-27.3%) sector the was the weakest.
- For the trailing 1-year period, seven of the eleven small sectors outpaced the broad benchmark's return (-25.2%). However, only two defensive sectors posted positive performance for the year: energy (20.5%) and utilities (7.8%). The weakest sector over the trailing year was communication services (-47.2%).







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



Top 10 Weighted Stocks						
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector		
Apple Inc	5.92%	-21.6%	0.4%	Information Technology		
Microsoft Corp	5.44%	-16.5%	-4.4%	Information Technology		
Amazon.com Inc	2.67%	-34.8%	-38.3%	Consumer Discretionary		
Alphabet Inc Class A	1.85%	-21.6%	-10.8%	Communication Services		
Alphabet Inc Class C	1.70%	-21.7%	-12.7%	Communication Services		
Tesla Inc	1.62%	-37.5%	-0.9%	Consumer Discretionary		
Berkshire Hathaway Inc Class B	1.39%	-22.6%	-1.8%	Financials		
UnitedHealth Group Inc	1.36%	1.1%	6 30.0% Health Care			
Johnson & Johnson	1.32%	0.8%	10.5%	Health Care		
Meta Platforms Inc Class A	1.05%	-27.5%	-53.6%	Communication Services		

Top 10 Weighted Stocks						
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector		
Biohaven Pharmaceutical Hldg Co Ltd	0.40%	22.9%	50.1%	Health Care		
ShockWave Medical Inc	0.30%	-7.8%	0.8%	Health Care		
Chart Industries Inc	0.27%	-2.6%	14.4%	Industrials		
Halozyme Therapeutics Inc	0.26%	10.3%	-3.1%	Health Care		
SailPoint Technologies Holdings Inc	0.26%	22.5%	22.7%	Information Technology		
SouthState Corp	0.25%	-4.8%	-3.3%	Financials		
Southwest Gas Holdings Inc	0.25%	12.0%	35.9%	Utilities		
Stag Industrial Inc	0.24%	-24.5%	-14.5%	Real Estate		
Agree Realty Corp	0.24%	9.8%	6.4%	Real Estate		
RBC Bearings Inc	0.23%	-4.6%	-7.3%	Industrials		

Top 10 Performing Stocks (by Quarter)						
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector		
Ollie's Bargain Outlet Holdings Inc	0.01%	36.8%	-30.2%	Consumer Discretionary		
H&R Block Inc	0.02%	36.6%	56.7%	Consumer Discretionary		
United Therapeutics Corp	0.03%	31.3%	31.3%	Health Care		
Grocery Outlet Holding Corp	0.01%	30.0%	23.0%	Consumer Staples		
Pilgrims Pride Corp	0.00%	24.4%	40.8%	Consumer Staples		
Seagen Inc Ordinary Shares	0.07%	22.8%	12.1%	Health Care		
Lamb Weston Holdings Inc	0.03%	19.7%	-10.0%	Consumer Staples		
Post Holdings Inc	0.01%	18.9%	14.1%	Consumer Staples		
Monster Beverage Corp	0.10%	16.0%	1.5%	Consumer Staples		
American Campus Communities Inc	0.03%	15.2%	41.8%	Real Estate		

Top 10 Performing Stocks (by Quarter)						
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector		
Redbox Entertainment Inc Class A	0.00%	213.6%	N/A	Communication Services		
Turning Point Therapeutics Inc	0.15%	180.3%	-3.6%	Health Care		
Veru Inc	0.03%	134.0%	40.0%	Consumer Staples		
GTY Technology Holdings Inc Class A	0.01%	93.8%	-12.0%	Information Technology		
Day One Biopharmaceuticals Inc	0.02%	80.4%	-21.4%	Health Care		
SIGA Technologies Inc	0.02%	73.3%	95.7%	Health Care		
Sierra Oncology Inc	0.04%	71.6%	182.4%	Health Care		
Scorpio Tankers Inc	0.08%	62.0%	60.1%	Energy		
Lulus Fashion Lounge Holdings Inc	0.00%	60.0%	N/A	Consumer Discretionary		
Convey Health Solutions Hldg Ord Shrs	0.01%	59.0%	-8.6%	Health Care		

Bottom 10 Performing Stocks (by Quarter)						
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector		
Carvana Co Class A	0.01%	-81.1%	-92.5%	Consumer Discretionary		
Coinbase Global Inc Ord Shrs - Class A	0.02%	-75.2%	-81.4%	Financials		
Upstart Holdings Inc Ordinary Shares	0.01%	-71.0%	-74.7%	Financials		
Lyft Inc Class A	0.01%	-65.4%	-78.0%	Industrials		
Peloton Interactive Inc	0.01%	-65.3%	-92.6%	Consumer Discretionary		
Cloudflare Inc	0.03%	-63.5%	-58.7%	Information Technology		
Unity Software Inc Ordinary Shares	0.02%	-62.9%	-66.5%	Information Technology		
Affirm Holdings Inc Ord Shrs - Class A	0.01%	-61.0%	-73.2%	Information Technology		
Wayfair Inc Class A	0.01%	-60.7%	-86.2%	Consumer Discretionary		
Royal Caribbean Group	0.02%	-58.3%	-59.1%	Consumer Discretionary		

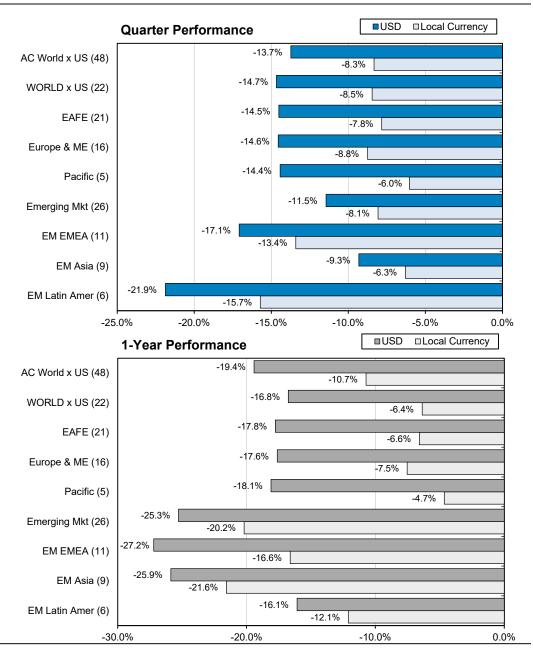
Bottom 10 Performing Stocks (by Quarter)						
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector		
Applied Blockchain Inc	0.00%	-93.3%	-90.1%	Information Technology		
TeraWulf Inc	0.00%	-85.7%	N/A	Information Technology		
Velo3D Inc	0.00%	-85.2%	N/A	Industrials		
Avaya Holdings Corp	0.01%	-82.3%	-91.7%	Information Technology		
Bird Global Inc Class A	0.00%	-82.2%	N/A	Industrials		
Core Scientific Inc Ord Shares - Class A	0.01%	-81.9%	N/A	Information Technology		
Boxed Inc	0.00%	-81.8%	N/A	Consumer Discretionary		
Marathon Digital Holdings Inc	0.02%	-80.9%	-83.0%	Information Technology		
Riot Blockchain Inc	0.02%	-80.2%	-88.9%	Information Technology		
Endo International PLC	0.00%	-79.8%	-90.0%	Health Care		

Source: Morningstar Direct



Performance across all developed and emerging international equity indexes tracked in the chart were negative during the quarter in both US dollar (USD) and local currency (LC) terms. The developed market MSCI EAFE Index returned -14.5% in USD and -7.8% in LC terms for the period, while the MSCI Emerging Markets Index declined by -11.5% in USD and -8.1% in LC terms. Developed markets were negatively impacted by rising inflation and tighter monetary policy. Emerging markets, especially those that export commodities, held up better.

The trailing 1-year results for both international developed and emerging markets were broadly negative across all regions and currencies. The MSCI EAFE Index returned -17.8% in USD for the year and -6.6% in LC terms. Similarly, returns across emerging markets were broadly lower with the MSCI Emerging Markets Index falling by -25.3% in USD and -20.2% in LC terms. Within emerging markets, the EMEA region was the worst performing, declining by -27.2% in USD and -16.6% in LC terms. The region was negatively affected by the conflict in Ukraine.



Source: MSCI Global Index Monitor (Returns are Net)



MSCI - EAFE	Sector Weight	Quarter Return	1-Year Return
Communication Services	5.0%	-10.9%	-20.7%
Consumer Discretionary	11.3%	-15.5%	-27.6%
Consumer Staples	10.9%	-8.4%	-14.0%
Energy	4.8%	-4.1%	21.4%
Financials	17.7%	-13.9%	-12.3%
Health Care	13.9%	-9.5%	-9.9%
Industrials	14.9%	-18.5%	-24.4%
Information Technology	7.8%	-23.5%	-30.0%
Materials	7.5%	-21.0%	-18.6%
Real Estate	2.9%	-15.8%	-20.9%
Utilities	3.5%	-11.8%	-12.2%
Total	100.0%	-14.5%	-17.8%

MSCI – ACWIxUS	Sector Weight	Quarter Return	1-Year Return
Communication Services	6.5%	-10.7%	-26.6%
Consumer Discretionary	11.7%	-8.4%	-31.1%
Consumer Staples	8.9%	-7.6%	-14.0%
Energy	6.0%	-4.7%	8.2%
Financials	20.3%	-14.3%	-10.4%
Health Care	9.8%	-9.6%	-15.8%
Industrials	11.8%	-17.1%	-22.1%
Information Technology	11.0%	-22.6%	-31.6%
Materials	8.0%	-21.4%	-19.1%
Real Estate	2.5%	-13.5%	-22.5%
Utilities	3.4%	-9.5%	-7.5%
Total	100.0%	-13.7%	-19.4%

MSCI - Emerging Mkt	Sector Weight	Quarter Return	1-Year Return
Communication Services	10.6%	-10.5%	-32.9%
Consumer Discretionary	14.9%	6.3%	-37.2%
Consumer Staples	6.1%	-4.6%	-17.7%
Energy	5.0%	-5.9%	-21.7%
Financials	21.2%	-14.1%	-8.7%
Health Care	4.0%	-8.8%	-42.3%
Industrials	5.6%	-9.5%	-17.8%
Information Technology	19.2%	-20.8%	-28.9%
Materials	8.4%	-20.6%	-24.2%
Real Estate	2.1%	-6.1%	-27.6%
Utilities	2.9%	-4.4%	3.3%
Total	100.0%	-11.5%	-25.3%

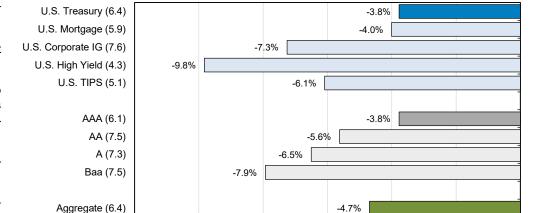
	MSCI-EAFE	MSCI-ACWIxUS	Quarter	1- Year
Country	Weight	Weight	Return	Return
Japan	22.3%	13.8%	-14.6%	-19.9%
United Kingdom	15.9%	9.9%	-10.5%	-4.0%
France	11.2%	7.0%	-14.8%	-18.3%
Switzerland	10.5%	6.5%	-14.5%	-12.7%
Australia	7.8%	4.9%	-18.1%	-13.1%
Germany	7.8%	4.8%	-18.1%	-31.2%
Netherlands	4.1%	2.6%	-19.0%	-28.4%
Sweden	3.4%	2.1%	-21.4%	-31.0%
Hong Kong	3.3%	2.1%	-1.1%	-15.2%
Denmark	2.8%	1.7%	-12.0%	-10.5%
Spain	2.5%	1.6%	-8.4%	-16.3%
Italy	2.3%	1.4%	-17.7%	-22.7%
Singapore	1.5%	0.9%	-16.8%	-21.0%
Belgium	1.0%	0.6%	-13.4%	-21.0%
Finland	1.0%	0.6%	-10.9%	-21.7%
Norway	0.8%	0.5%	-14.8%	-1.6%
Israel	0.8%	0.5%	-20.0%	-18.1%
Ireland	0.6%	0.4%	-19.6%	-35.4%
Portugal	0.2%	0.1%	-6.1%	1.4%
Austria	0.2%	0.1%	-17.2%	-23.1%
New Zealand	0.2%	0.1%	-16.9%	-25.8%
Total EAFE Countries	100.0%	62.2%	-14.5%	-17.8%
Canada	1001070	8.1%	-15.8%	-8.0%
Total Developed Countries		71.4%	-4.8%	3.0%
China		10.5%	3.4%	-31.8%
Taiwan		4.3%	-19.8%	-20.4%
India		3.8%	-13.7%	-4.8%
Korea		3.4%	-20.9%	-38.5%
Brazil		1.4%	-24.4%	-23.3%
Saudi Arabia		1.3%	-12.5%	10.3%
South Africa		1.1%	-23.0%	-13.2%
Mexico		0.6%	-15.2%	-0.7%
Thailand		0.6%	-10.6%	-7.5%
Indonesia		0.5%	-9.0%	16.1%
Malaysia		0.4%	-12.8%	-9.3%
United Arab Emirates		0.4%	-19.4%	14.7%
Qatar		0.3%	-10.8%	17.4%
Kuwait		0.2%	-7.7%	22.8%
Philippines		0.2%	-19.5%	-17.8%
Poland		0.2%	-19.5% -27.1%	-35.1%
Chile		0.2%	-15.9%	-10.1%
Turkey		0.2%	-15.9% -10.9%	-10.1% -9.0%
Peru		0.1%		-9.0% -7.5%
		0.1%	-30.2% -17.0%	-7.5% -17.5%
Greece				
Colombia		0.1%	-28.0%	3.3%
Czech Republic		0.1%	-3.7%	27.4%
Hungary		0.1%	-26.3%	-42.2%
Egypt		0.0%	-20.4%	-24.8%
Total Emerging Countries		29.7%	-11.5%	-25.3%
Total ACWIxUS Countries		100.0%	-13.7%	-19.4%

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

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



- Fixed income markets were broadly negative during the 2nd quarter. Investors remained focused on rising inflation and the potential of future Fed rate increases to combat it. As a result, US Treasury bond yields were higher across the maturity curve during the guarter.
- The return for the BB US Aggregate Bond Index, the bellwether investment grade benchmark, was down -4.7% for the period.
- Performance across the investment grade index's segments was also negative during the period with the US Corporate Investment Grade bonds declining -7.3% and the US Mortgage index component posting a return of -4.0%.
- US Treasury bonds were the quarter's least negative segment, returning -3.8% and high yield bonds were the worst performing, declining by -9.8%.
- Outside of domestic markets, the BB Global Aggregate ex US Index fell by -11.0% for the guarter. Like international stocks, global bond index performance was negatively impacted by the strengthening USD, which acted as a drag on USD index returns. Additionally, yields in both German and Japan, two of the largest issuers in the benchmark, moved markedly higher during the period.
- Over the trailing 1-year period, domestic investment grade benchmark performance was negative and led lower by investment grade corporate(-14.2%) and mortgage (-9.0%) bonds. US TIPS (-5.1%) were down less than nominal US Treasury bonds (-8.9%). The bellwether BB US Aggregate Bond Index declined by -10.3% for the year.
- Primarily due to their shorter maturity profile, lower quality high yield corporate bonds fell by less than their investment grade counterparts with the BB US High Yield Index returning -12.8% for the period.
- Non-US bonds have been under significant pressure over the past year with the developed market BB Global Aggregate ex US Index falling by -18.8%. The combination of rising inflation, higher interest rates, a longer maturity profile, and USD strength contributed to weak index performance for the year.



#### -10.0% 1-Year Performance

-8.4%

-8.0%

-6.0%

-4.0%

-2.0%

0.0%

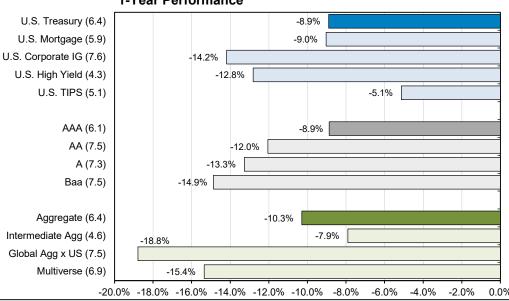
Intermediate Agg (4.6)

Global Agg x US (7.5)

Multiverse (6.9)

-12.0%

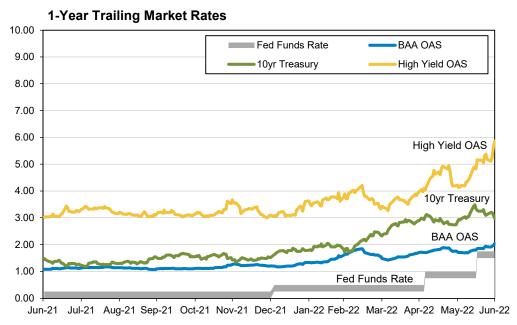
**Quarter Performance** 

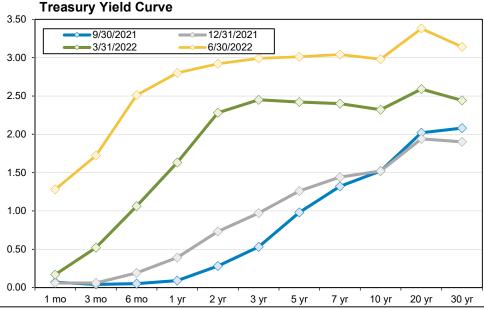


Source: Bloomberg



- The gray band across the graph illustrates the range of the current Fed Funds Rate. In the 2nd quarter this year, the Fed raised the upper end of its target rate range from 0.50% to 1.75%. During its recent June meeting, the Federal Open Market Committee (FOMC) stated that it remains committed to fighting higher inflation and will consider future interest rate increases. Importantly, the FOMC stated that it will begin lowering the size of the balance sheet by not reinvesting proceeds from maturing bonds.
- The yield on the US 10-year Treasury (green line) ended the period higher as concerns over the pace of inflation, combined with the Fed's announced rate increase, drove yields higher. After reaching a high of nearly 3.50% during June, interest rates traded fell for the remainder of the quarter. The yield on the US 10-year Treasury was 2.98% on June 30th.
- 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 to 2.04% from 1.07%. High Yield OAS moved significantly higher over the latter part of the year as spreads rose from 3.04% to 5.87%. High Yield spreads began moving wider during the year on concerns over slowing economic growth which raises the specter of a potential increase in defaults.
- The lower graph provides a snapshot of the US Treasury yield curve at the end of each of the last four quarters. The yield curve shifted significantly higher across all maturities during the 2nd quarter of 2022 following the Fed's decision to raise interest rates by 1.25%. The shape of the yield curve normalized during the quarter as longer-term interest rates moved above short-term rates. As of the end of the quarter, the spread between 2-year and 10-year rates was positive. Historically, market expectations for recession increase when longer-term interest rates trade below their short-term peers.









Total Fund Compliance:	Yes	No
The total plan return (net) equaled or exceeded the total plan benchmark over the trailing three year period.	•	140
	·	
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 30-Jun-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

<sup>\*</sup>Estimated

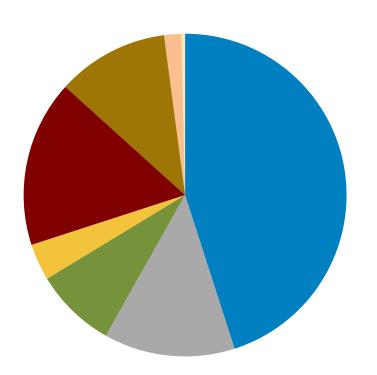


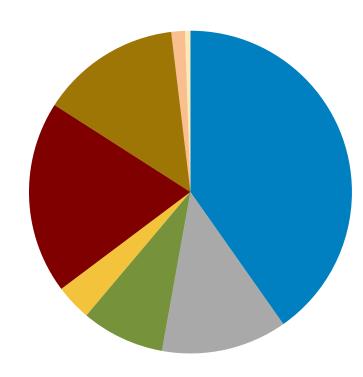
Asset Allocation Compliance					
	Asset Allocation \$	Current Allocation (%)	Target Allocation (%)	Differences (%)	Target Rebal. (\$000)
Total Fund Composite	439,201,032	100.0	100.0	0.0	-
Eagle Equity	20,225,243	4.6	5.0	-0.4	1,734,809
Anchor Equity	21,579,996	4.9	5.0	-0.1	380,056
RhumbLine Equity S&P 500	38,144,156	8.7	5.0	3.7	-16,184,104
RhumbLine S&P Mid Cap 400	20,361,913	4.6	5.0	-0.4	1,598,139
Champlain MC Equity	21,301,808	4.9	5.0	-0.1	658,243
SSGA Small-Mid Cap Equity (SSMKX)	17,017,230	3.9	5.0	-1.1	4,942,821
RhumbLine R1000 Growth	8,676,587	2.0	2.5	-0.5	2,303,439
RhumbLine R1000 Value	10,867,120	2.5	2.5	0.0	112,906
Barrow Hanley SCV	21,102,708	4.8	5.0	-0.2	857,344
Vanguard Intl Equity (VTRIX)	21,482,882	4.9	5.0	-0.1	477,170
RhumbLine International Equity	21,298,721	4.8	5.0	-0.2	661,331
Invesco Emerging Markets Equity	12,487,002	2.8	4.0	-1.2	5,081,040
Garcia Hamilton Fixed Income	36,749,489	8.4	18.0	-9.6	42,306,697
Lazard Emerging Markets Debt Blend Fund L.P.	7,727,986	1.8	2.0	-0.2	1,056,035
PGIM Emerging Market Debt	8,079,647	1.8	2.0	-0.2	704,374
Blackrock Multi-Asset Income Fund	2,407,746	0.5	0.0	0.5	-2,407,746
Intercontinental	56,113,723	12.8	8.0	4.8	-20,977,640
J.P. Morgan	28,754,239	6.5	5.0	1.5	-6,794,187
Affiliated Housing Impact Fund LP	2,514,830	0.6	1.0	-0.4	1,877,180
ETG Co-Invest Opportunities Fund LP	18,313,697	4.2	4.0	0.2	-745,656
Aberdeen U.S. P.E. VII	13,707,127	3.1	2.0	1.1	-4,923,107
JP Morgan Global P.E. VII	12,043,650	2.7	2.0	0.7	-3,259,629
Taurus Private Markets Fund, LP	3,453,983	0.8	0.5	0.3	-1,257,978
JP Morgan Global P.E. IX	5,657,813	1.3	8.0	0.5	-2,363,805
Aberdeen U.S. P.E. IX	5,891,164	1.3	0.8	0.6	-2,597,156
R&D Cash	3,239,144	0.7	0.0	0.7	-3,239,144



Asset Allocation By Segment as of March 31, 2022 : \$481,268,071

Asset Allocation By Segment as of June 30, 2022 : \$439,201,032



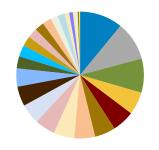


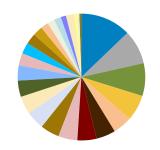
ocation					
Segments	Market Value	Allocation	Segments	Market Value	Allocation
■ Domestic Equity	216,771,722	45.0	■ Domestic Equity	176,760,703	40.2
■ International Equity	63,152,751	13.1	International Equity	55,268,605	12.6
■ Domestic Fixed Income	39,239,230	8.2	Domestic Fixed Income	36,534,522	8.3
Emerging Fixed Income	17,735,663	3.7	Emerging Fixed Income	15,807,632	3.6
■ Real Estate	80,358,184	16.7	Real Estate	84,867,962	19.3
■ Private Equity	53,954,124	11.2	Private Equity	61,582,264	14.0
Cash Equivalent	8,259,386	1.7	Cash Equivalent	5,984,269	1.4
Global Other	1,797,011	0.4	Global Other	2,395,076	0.5



Asset Allocation By Manager as of March 31, 2022 : \$481,268,071

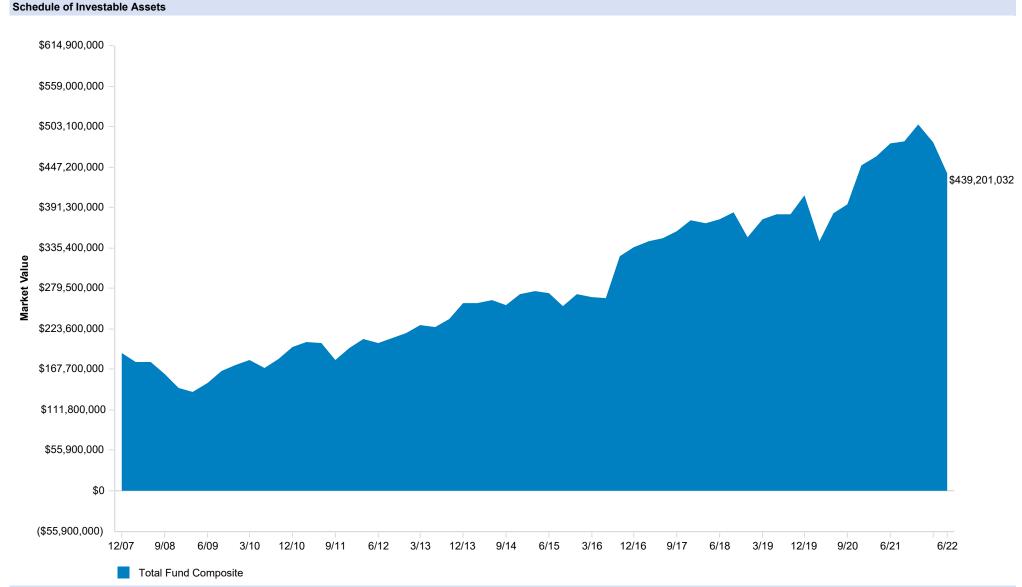
Asset Allocation By Manager as of June 30, 2022 : \$439,201,032





llocation			Allocation		
	Market Value	Allocation		Market Value	Allocation
■ Intercontinental	52,390,795	10.9	■ Intercontinental	56,113,723	12.8
■ RhumbLine Equity S&P 500	47,712,112	9.9	■ RhumbLine Equity S&P 500	38,144,156	8.7
■ Garcia Hamilton Fixed Income	41,846,221	8.7	■ Garcia Hamilton Fixed Income	36,749,489	8.4
J.P. Morgan	27,967,389	5.8	J.P. Morgan	28,754,239	6.5
■ Champlain MC Equity	27,045,327	5.6	Anchor Equity	21,579,996	4.9
■ Barrow Hanley SCV	25,425,327	5.3	■ Vanguard Intl Equity (VTRIX)	21,482,882	4.9
Anchor Equity	25,359,778	5.3	■ Champlain MC Equity	21,301,808	4.9
Eagle Equity	25,229,223	5.2	RhumbLine International Equity	21,298,721	4.8
RhumbLine International Equity	24,840,873	5.2	Barrow Hanley SCV	21,102,708	4.8
RhumbLine S&P Mid Cap 400	24,621,947	5.1	RhumbLine S&P Mid Cap 400	20,361,913	4.6
■ Vanguard Intl Equity (VTRIX)	24,241,193	5.0	Eagle Equity	20,225,243	4.6
SSGA Small-Mid Cap Equity (SSMKX)	22,425,536	4.7	■ ETG Co-Invest Opportunities Fund LP	18,313,697	4.2
■ ETG Co-Invest Opportunities Fund LP	14,836,081	3.1	SSGA Small-Mid Cap Equity (SSMKX)	17,017,230	3.9
Invesco Emerging Markets Equity	14,070,685	2.9	Aberdeen U.S. P.E. VII	13,707,127	3.1
■ RhumbLine R1000 Value	12,373,449	2.6	Invesco Emerging Markets Equity	12,487,002	2.8
Aberdeen U.S. P.E. VII	12,051,589	2.5	■ JP Morgan Global P.E. VII	12,043,650	2.7
■ JP Morgan Global P.E. VII	11,274,225	2.3	RhumbLine R1000 Value	10,867,120	2.5
RhumbLine R1000 Growth	10,969,949	2.3	RhumbLine R1000 Growth	8,676,587	2.0
■ PGIM Emerging Market Debt	8,911,035	1.9	■ PGIM Emerging Market Debt	8,079,647	1.8
Lazard Emerging Markets Debt Blend Fund L.P.	8,824,628	1.8	Lazard Emerging Markets Debt Blend Fund L.P.	7,727,986	1.8
JP Morgan Global P.E. IX	5,421,941	1.1	Aberdeen U.S. P.E. IX	5,891,164	1.3
Aberdeen U.S. P.E. IX	4,623,057	1.0	JP Morgan Global P.E. IX	5,657,813	1.3
Taurus Private Markets Fund, LP	3,253,585	0.7	Taurus Private Markets Fund, LP	3,453,983	0.8
Affiliated Housing Impact Fund LP	2,493,646	0.5	R&D Cash	3,239,144	0.7
■ Blackrock Multi-Asset Income Fund	1,806,821	0.4	Affiliated Housing Impact Fund LP	2,514,830	0.6
R&D Cash	1,244,974	0.3	■ Blackrock Multi-Asset Income Fund	2,407,746	0.5
Mutual Fund Cash	6,685	0.0	Mutual Fund Cash	1,429	0.0





Schedule of Investable Ass	sets		
Periods Ending	Beginning Market Value \$	Ending Market Value \$	%Return
Inception	188,229,542	439,201,032	6.59



Financial Reconciliation Quarter to Date										
	Market Value 04/01/2022	Net Transfers	Contributions	Distributions	Other Expenses	Income	Net Flows	Management Fees	Return On Investment	Market Value 06/30/2022
Anchor Equity	25,359,778	-1,000,000	-	-	-2,789	89,884	-946,125	-33,220	-2,743,774	21,579,996
Barrow Hanley SCV	25,425,327	-500,000	-	-	-2,910	42,559	-504,855	-44,504	-3,775,206	21,102,708
Champlain MC Equity	27,045,327	-500,000	-	-	-3,015	48,582	-511,834	-57,400	-5,183,103	21,301,808
Eagle Equity	25,229,223	-500,000	153	-	-2,828	31,331	-572,060	-100,716	-4,400,589	20,225,243
RhumbLine Equity S&P 500	47,712,112	-2,000,000	-	-	-1,559	172,798	-1,828,761	-	-7,566,397	38,144,156
RhumbLine R1000 Growth	10,969,949	-	-	-	-417	22,944	22,526	-	-2,292,945	8,676,587
RhumbLine R1000 Value	12,373,449	-	-	-	-424	65,458	65,034	-	-1,505,906	10,867,120
RhumbLine S&P Mid Cap 400	24,621,947	-500,000	-	-	-858	94,688	-406,170	-	-3,759,176	20,361,913
SSGA Small-Mid Cap Equity (SSMKX)	22,425,536	-1,000,000	-	-	-	-	-1,000,000	-	-4,408,305	17,017,230
Total Domestic Equity	221,162,648	-6,000,000	153	-	-14,801	568,244	-5,682,245	-235,840	-35,635,400	179,276,761
Vanguard Intl Equity (VTRIX)	24,241,193	_	_	_	_	_	_	_	-2,758,311	21,482,882
RhumbLine International Equity	24,840,873	_			-885	319,704	318,819	_	-3,541,267	21,298,721
Invesco Emerging Markets Equity	14.070.685	-	_	_	-003	319,704	310,013	-	-1.583.683	12,487,002
Total International & Emerging Equity	63,152,751	-	-	-	-885	319,704	318,819	-	-7,883,261	55,268,605
Total international & Emerging Equity	03,132,731	-	-	-	-000	319,704	310,019	-	-1,003,201	33,200,003
Garcia Hamilton Fixed Income	41,846,221	-4,238,325	-	-	-4,971	279,326	-3,984,882	-20,912	-832,524	36,749,489
Total Domestic Fixed Composite	41,846,221	-4,238,325	-	-	-4,971	279,326	-3,984,882	-20,912	-832,524	36,749,489
Lazard Emerging Markets Debt Blend Fund L.P.	8,824,628			_	-4,296	_	-12,697	-8.400	-1,083,945	7,727,986
PGIM Emerging Market Debt Blend Fund L.F.	8,911,035	-	-	-	-4,290	-	-12,097 -9,365	-9,365	-822.023	8,079,647
Total Global Fixed Composite	17,735,663	-	<u>-</u>	-	-4,296	-	-9,363 - <b>22.062</b>	-9,365 <b>-17,765</b>	-022,023 - <b>1.905.969</b>	15,807,632
Total Global Fixed Composite	17,700,000				4,200		22,002	11,100	1,000,000	10,001,002
Blackrock Multi-Asset Income Fund	1,806,821	728,120	-	-	-	22,575	750,695	-	-127,195	2,407,746
J.P. Morgan	27,967,389	-	-	-	-	148,630	43,732	-104,898	891,748	28,754,239
Intercontinental	52,390,795	-	-	-	-	420,030	343,630	-76,400	3,799,328	56,113,723
Affiliated Housing Impact Fund LP	2,493,646	-	-	-	-	-	-	-	21,184	2,514,830
<b>Total Real Estate Composite</b>	82,851,830	-	-	-	-	568,661	387,362	-181,298	4,712,260	87,382,792
Aberdeen U.S. P.E. VII	12,051,589	-1,415,939	_	-	_	-	-1,415,939	_	3,071,477	13,707,127
Aberdeen U.S. P.E. IX	4,623,057	600,000	_	_	_	_	600,000	_	668,107	5,891,164
JP Morgan Global P.E. VII	11,274,225	128,350	_	_	_	_	95,886	-32,464	673,539	12,043,650
JP Morgan Global P.E. IX	5,421,941	-223,064	_	_	_	_	-234,861	-11,797	470,733	5,657,813
Taurus Private Markets Fund, LP	3,253,585	-	_	_	_	_	-	-	200,398	3,453,983
Total Private Equity	36,624,397	-910,653	-	-	-	-	-954,914	-44,261	5,084,254	40,753,737
ETG Co-Invest Opportunities Fund LP	14,836,081	4,062,968					4,062,968		-585.352	18.313.697
	· · ·		-	-	-	-		-	/	-,,
Total Alternatives	14,836,081	4,062,968	-	-	-	-	4,062,968	-	-585,352	18,313,697
R&D Cash	1,244,974	6,357,889	923,966	-5,166,181	-122,476	1,005	1,994,203	-	972	3,239,144



#### Financial Reconciliation Total Fund

Quarter To Date Ending June 30, 2022

	Market Value 04/01/2022	Net Transfers	Contributions	Distributions	Other Expenses	Income	Net Flows	Management Fees	Return On Investment	Market Value 06/30/2022
Mutual Fund Cash	6,685	-	-	-	-5,268	12	-5,256	-	12	1,429
Total Fund Composite	481,268,071	-	924,119	-5,166,181	-152,698	1,759,527	-3,135,310	-500,076	-37,172,202	439,201,032



Asset Allocation & Performance							
	Allocatio	n			Performance(%)		
	Market Value \$	%	QTR	FYTD	1 YR	3 YR	5 YR
Total Fund Composite	439,201,032	100.0	-7.75 (20)	-6.74 (18)	-5.45 (17)	7.68 (13)	7.85 (12)
Total Fund Policy Index All Public Plans-Total Fund Median			-10.60 (66) -10.07	-10.12 (54) -9.88	-10.03 (51) -9.97	6.06 (40) 5.68	6.76 (38) 6.41
All I dollo I latis-Total I util Median			-10.07	-9.00	-9.91	3.00	0.41
Total Equity Composite	234,545,365	53.4	-15.49	-17.19	-18.46	6.03	7.19
Total Equity Policy Index	, ,		-16.24	-16.91	-18.12	6.02	7.32
Total Domestic Equity	179,276,761	40.8					
RhumbLine Equity S&P 500	38,144,156	8.7	-16.08 (57)	-11.12 (50)	-10.59 (48)	10.60 (33)	11.30 (39)
S&P 500 Index			-16.10 (60)	-11.13 (53)	-10.62 (49)	10.60 (33)	11.31 (38)
IM U.S. Large Cap Equity (SA+CF) Median			-15.52	-11.12	-10.64	9.68	10.79
RhumbLine R1000 Value	10,867,120	2.5	-12.17 (57)	-6.03 (63)	-6.76 (64)	6.88 (88)	7.17 (82)
Russell 1000 Value Index			-12.21 (57)	-6.09 (63)	-6.82 (65)	6.87 (88)	7.17 (82)
IM U.S. Large Cap Value Equity (SA+CF) Median			-11.76	-4.77	-5.55	9.10	8.92
RhumbLine R1000 Growth	8,676,587	2.0	-20.90 (59)	-19.67 (41)	-18.71 (42)	12.64 (15)	14.32 (20)
Russell 1000 Growth Index			-20.92 (59)	-19.70 (42)	-18.77 (43)	12.58 (15)	14.29 (20)
IM U.S. Large Cap Growth Equity (SA+CF) Median			-20.17	-21.80	-21.11	9.61	12.52
RhumbLine S&P Mid Cap 400	20,361,913	4.6	-15.39 (47)	-13.09 (45)	-14.61 (48)	6.87 (53)	7.02 (79)
S&P MidCap 400 Index			-15.42 (50)	-13.11 (47)	-14.64 (52)	6.87 (53)	7.02 (79)
IM U.S. Mid Cap Equity (SA+CF) Median			-15.42	-13.18	-14.63	6.91	8.49
Anchor Equity	21,579,996	4.9	-11.09 (25)	-8.53 (66)	-9.29 (69)	5.00 (93)	7.72 (48)
Russell Midcap Value Index			-14.68 (83)	-9.08 (74)	-10.00 (75)	6.70 (70)	6.27 (81)
IM U.S. Mid Cap Value Equity (SA+CF) Median			-13.04	-6.94	-7.31	8.65	7.71
Champlain MC Equity	21,301,808	4.9	-19.23 (95)	-23.14 (95)	-20.60 (87)	N/A	N/A
Russell Midcap Index			-16.85 (79)	-16.52 (66)	-17.30 (76)	6.59 (73)	7.96 (40)
IM U.S. Mid Cap Core Equity (SA+CF) Median			-15.42	-13.11	-14.63	6.89	7.58
SSGA Small-Mid Cap Equity (SSMKX)	17,017,230	3.9	-19.88 (98)	-26.22 (100)	-28.50 (100)	5.08 (75)	N/A
Russell 2500 Index			-16.98 (94)	-18.82 (94)	-21.00 (95)	5.91 (59)	7.04 (32)
IM U.S. SMID Cap Core Equity (MF) Median			-15.16	-13.29	-14.38	6.22	5.54



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

	Allocation	n	Performance(%)					
	Market Value \$	%	QTR	FYTD	1 YR	3 YR	5 YR	
Eagle Equity	20,225,243	4.6	-17.55 (31)	-29.07 (55)	-30.81 (54)	3.57 (74)	7.80 (74)	
Russell 2000 Growth Index			-19.25 (49)	-29.44 (57)	-33.43 (65)	1.40 (93)	4.80 (96)	
IM U.S. Small Cap Growth Equity (SA+CF) Median			-19.92	-28.03	-30.33	5.83	9.89	



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

	Allocatio	n			Performance(%)		
	Market Value \$	%	QTR	FYTD	1 YR	3 YR	5 YR
Barrow Hanley SCV Russell 2000 Value Index IM U.S. Small Cap Value Equity (SA+CF) Median	21,102,708	4.8	-15.06 (76) -15.28 (79) -13.17	-9.94 (54) -13.71 (80) -9.64	-13.16 (72) -16.28 (85) -10.92	<b>N/A</b> 6.18 (75) 7.82	N/A 4.89 (85) 6.42
Total International Equity	55,268,605	12.6					
Vanguard Intl Equity (VTRIX)  MSCI EAFE Value  IM International Large Cap Value Equity (MF) Median	21,482,882	4.9	-11.38 (50) -12.11 (63) -11.39	-14.26 (69) -10.57 (25) -12.23	-17.40 (78) -11.29 (15) -13.12	2.05 (50) 0.79 (75) 2.04	2.66 (10) 1.13 (56) 1.28
Invesco Emerging Markets Equity  MSCI Emerging Markets Index IM Emerging Markets Equity (SA+CF) Median	12,487,002	2.8	-11.26 (36) -11.34 (37) -11.96	-27.67 (87) -18.50 (49) -18.84	-34.41 (93) -25.00 (51) -24.86	-3.21 (97) 0.92 (62) 1.46	1.41 (81) 2.55 (56) 2.89
RhumbLine International Equity  MSCI EAFE Index  IM International Equity (SA+CF) Median	21,298,721	4.8	-14.26 (58) -14.29 (59) -13.59	-16.99 (40) -17.04 (41) -18.53	-17.31 (31) -17.33 (31) -20.56	1.35 (64) 1.54 (60) 2.30	2.43 (65) 2.69 (59) 3.12
Total Fixed Income Composite	52,557,121	12.0	-4.70	-9.97	-10.12	-1.55	0.32
Fixed Income Index			-2.93	-7.95	<b>-</b> 7.91	-0.60	0.88
Total Domestic Fixed Composite	36,749,489	8.4					
Garcia Hamilton Fixed Income Fixed Income Index IM U.S. Intermediate Duration (SA+CF) Median	36,749,489	8.4	-2.02 (15) -2.93 (80) -2.56	-5.68 (14) -7.95 (83) -7.31	-5.50 (13) -7.91 (84) -7.24	0.11 (61) -0.60 (99) 0.16	1.33 (62) 0.88 (95) 1.42
Total Global Fixed Composite	15,807,632	3.6					
Lazard Emerging Markets Debt Blend Fund L.P. JPM EMBI / GBI-EM Global Diversified IM Emerging Markets Debt (SA+CF) Median	7,727,986	1.8	-12.29 (89) -10.03 (64) -8.65	-20.82 (81) -18.68 (67) -16.29	N/A N/A -18.25	N/A N/A -3.68	N/A N/A -0.59
PGIM Emerging Market Debt  JPM EMBI / GBI-EM Global Diversified  IM Emerging Markets Debt (SA+CF) Median	8,079,647	1.8	-9.23 (56) -10.03 (64) -8.65	-18.07 (62) -18.68 (67) -16.29	N/A N/A -18.25	N/A N/A -3.68	N/A N/A -0.59



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

	Allocatio	n			Performance(%)		
	Market Value \$	%	QTR	FYTD	1 YR	3 YR	5 YR
Blackrock Multi-Asset Income Fund 50% MSCI World Index (Net)/50% BB US Agg Index	2,407,746	0.5	-9.27 (43) -10.54 (57)	N/A -12.16 (56)	N/A -12.12 (52)	N/A 3.35 (40)	N/A 4.56 (31)
IM Flexible Portfolio (MF) Median			-10.07	-11.49	-12.05	2.23	3.31
Total Real Estate	87,382,792	19.9					
Intercontinental Real Estate Policy IM U.S. Private Real Estate (SA+CF) Median	56,113,723	12.8	7.26 (1) 4.55 (27) 3.17	24.51 (6) 21.59 (27) 18.30	31.83 (12) 30.06 (21) 27.03	14.91 (13) 13.23 (28) 12.03	12.87 (13) 11.01 (46) 10.61
J.P. Morgan Real Estate Policy IM U.S. Private Real Estate (SA+CF) Median	28,754,239	6.5	3.20 (49) 4.55 (27) 3.17	18.84 (45) 21.59 (27) 18.30	28.86 (47) 30.06 (21) 27.03	14.05 (17) 13.23 (28) 12.03	12.20 (18) 11.01 (46) 10.61
Affiliated Housing Impact Fund LP	2,514,830	0.6	0.85	0.78	29.16	N/A	N/A
Total Alternatives	18,313,697	4.2	-3.53	-4.14	-4.40	N/A	N/A
ETG Co-Invest Opportunities Fund LP HFRI Fund of Funds Composite Index	18,313,697	4.2	-3.53 -4.08	-4.14 -6.34	-4.40 -5.65	N/A 3.88	N/A 3.59
Total Private Equity *	40,753,737	9.3					
R&D Cash	3,239,144	0.7					



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

sset Allocation & Performance			Performance(%)		
	7 YR	10 YR	15 YR	Inception	Inception Date
otal Fund Composite	7.37 (15)	8.61 (15)	N/A	6.59 (8)	10/01/200
Total Fund Policy Index	6.86 (29)	8.35 (23)	N/A	6.42 (12)	
All Public Plans-Total Fund Median	6.36	7.69	5.81	5.76	
otal Equity Composite	7.03	9.07	N/A	6.20	10/01/200
Total Equity Policy Index	7.64	10.24	N/A	6.71	
otal Domestic Equity					
numbLine Equity S&P 500	11.13 (36)	N/A	N/A	11.13 (36)	07/01/201
S&P 500 Index	11.14 (35)	12.96 (43)	8.54 (57)	11.14 (35)	
IM U.S. Large Cap Equity (SA+CF) Median	10.45	12.80	8.62	10.45	
numbLine R1000 Value	N/A	N/A	N/A	7.39 (81)	06/01/201
Russell 1000 Value Index	7.69 (81)	10.50 (82)	6.10 (90)	7.39 (81)	
M U.S. Large Cap Value Equity (SA+CF) Median	8.90	11.46	7.55	9.14	
umbLine R1000 Growth	N/A	N/A	N/A	14.59 (21)	04/01/201
Russell 1000 Growth Index	13.45 (16)	14.80 (19)	10.67 (28)	14.56 (21)	
M U.S. Large Cap Growth Equity (SA+CF) Median	11.81	13.75	10.13	12.90	
numbLine S&P Mid Cap 400	N/A	N/A	N/A	8.49 (77)	10/01/2010
S&P MidCap 400 Index	7.76 (69)	10.90 (76)	8.04 (67)	8.50 (76)	
M U.S. Mid Cap Equity (SA+CF) Median	8.53	11.58	8.38	9.81	
chor Equity	8.10 (56)	9.99 (93)	N/A	7.62 (87)	10/01/200
Russell Midcap Value Index	7.15 (73)	10.62 (77)	6.91 (94)	7.29 (92)	
M U.S. Mid Cap Value Equity (SA+CF) Median	8.18	11.51	8.01	8.49	
namplain MC Equity	N/A	N/A	N/A	7.57 (24)	08/01/201
Russell Midcap Index	8.04 (45)	11.29 (43)	7.77 (100)	6.27 (71)	
M U.S. Mid Cap Core Equity (SA+CF) Median	7.82	11.11	8.12	6.68	
SGA Small-Mid Cap Equity (SSMKX)	N/A	N/A	N/A	3.01 (61)	09/01/201
Russell 2500 Index	7.16 (29)	10.49 (25)	7.29 (19)	3.41 (50)	
M U.S. SMID Cap Core Equity (MF) Median	6.00	9.51	6.40	3.41	
gle Equity	7.91 (67)	11.35 (77)	N/A	9.34 (87)	07/01/201
Russell 2000 Growth Index	4.96 (97)	9.30 (98)	6.80 (96)	8.15 (98)	
M U.S. Small Cap Growth Equity (SA+CF) Median	8.65	12.21	9.31	10.84	

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



			Performance(%)		
	7 YR	10 YR	15 YR	Inception	Inception Date
Barrow Hanley SCV	N/A	N/A	N/A	-14.91 (78)	06/01/202
Russell 2000 Value Index	6.40 (73)	9.05 (90)	5.58 (98)	-15.60 (80)	
IM U.S. Small Cap Value Equity (SA+CF) Median	7.21	10.69	7.60	-11.67	
Total International Equity					
Vanguard Intl Equity (VTRIX)	2.75 (10)	N/A	N/A	4.00 (16)	07/01/2013
MSCI EAFE Value	1.78 (35)	4.85 (25)	0.71 (51)	3.36 (31)	
IM International Large Cap Value Equity (MF) Median	1.47	4.37	0.73	2.85	
Invesco Emerging Markets Equity	2.71 (75)	N/A	N/A	2.55 (66)	01/01/201
MSCI Emerging Markets Index	3.16 (65)	3.43 (76)	2.35 (73)	2.20 (76)	
IM Emerging Markets Equity (SA+CF) Median	3.80	4.37	3.01	3.11	
RhumbLine International Equity	N/A	N/A	N/A	5.42 (75)	02/01/2016
MSCI EAFE Index	3.19 (68)	5.89 (61)	1.90 (83)	5.70 (70)	
IM International Equity (SA+CF) Median	3.91	6.36	3.13	6.68	
Total Fixed Income Composite	1.04	1.84	N/A	3.20	10/01/2007
Fixed Income Index	1.22	1.38	N/A	2.86	
Total Domestic Fixed Composite					
Garcia Hamilton Fixed Income	1.78 (42)	2.36 (11)	N/A	3.88 (11)	10/01/2007
Fixed Income Index	1.22 (95)	1.38 (91)	N/A	2.86 (89)	
IM U.S. Intermediate Duration (SA+CF) Median	1.69	1.82	3.36	3.24	
Total Global Fixed Composite					
Lazard Emerging Markets Debt Blend Fund L.P.	N/A	N/A	N/A	-22.35 (84)	08/01/202
JPM EMBI / GBI-EM Global Diversified	N/A	N/A	N/A	-20.23 (71)	
IM Emerging Markets Debt (SA+CF) Median	1.52	1.80	4.35	-17.78	
PGIM Emerging Market Debt	N/A	N/A	N/A	-18.98 (62)	08/01/202
JPM EMBI / GBI-EM Global Diversified	N/A	N/A	N/A	-20.23 (71)	
IM Emerging Markets Debt (SA+CF) Median	1.52	1.80	4.35	-17.78	



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

			Performance(%)		
	7 YR	10 YR	15 YR	Inception	Inception Date
Blackrock Multi-Asset Income Fund	N/A	N/A	N/A	-9.08 (44)	03/01/2022
50% MSCI World Index (Net)/50% BB US Agg Index	4.73 (30)	5.69 (32)	4.58 (44)	-10.55 (61)	
IM Flexible Portfolio (MF) Median	3.83	5.11	4.37	-9.68	
Total Real Estate					
Intercontinental	12.98 (18)	13.30 (21)	N/A	13.40 (30)	07/01/2010
Real Estate Policy	10.76 (41)	11.39 (40)	7.01 (55)	12.21 (49)	
IM U.S. Private Real Estate (SA+CF) Median	10.23	10.90	7.12	12.13	
J.P. Morgan	12.17 (21)	N/A	N/A	13.03 (19)	07/01/2014
Real Estate Policy	10.76 (41)	11.39 (40)	7.01 (55)	11.22 (40)	
IM U.S. Private Real Estate (SA+CF) Median	10.23	10.90	7.12	10.52	
Affiliated Housing Impact Fund LP	N/A	N/A	N/A	N/A	12/15/2020
Total Alternatives	N/A	N/A	N/A	8.54	06/01/2020
ETG Co-Invest Opportunities Fund LP	N/A	N/A	N/A	8.54	06/01/2020
HFRI Fund of Funds Composite Index	2.66	3.73	1.77	6.41	

Total Private Equity \*

R&D Cash



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

	Allocatio	n					Perform	ance(%)				
	Market					- 1/5			45.15	4=3/=		Inception
	Value \$	%	QTR	FYTD	1 YR	3 YR	5 YR	7 YR	10 YR	15 YR	Inception	Date
Total Fund Composite	439,201,032	100.0	-7.85 (11)	-7.27 (10)	-6.08 (8)	7.15 (7)	7.35 (10)	6.86 (15)	8.09 (19)	N/A	6.16 (13)	10/01/200
Total Fund Policy Index			-10.60 (48)	-10.12 (38)	-10.03 (35)	6.06 (26)	6.76 (25)	6.86 (15)	8.35 (11)	N/A	6.42 (6)	
All Public Plans-Total Fund Median			-10.67	-10.96	-11.08	5.29	6.15	6.04	7.36	5.56	5.48	
Total Equity Composite	234.545.365	53.4	-15.56	-17.40	-18.71	5.70	6.86	6.66	8.62	N/A	5.79	10/01/2007
Total Equity Policy Index	20.,010,000		-16.24	-16.91	-18.12	6.02	7.32	7.64	10.24	N/A	6.71	10/01/2001
Total Domestic Equity	179,276,761	40.8										
· •	, ,		40.00	44.40	40.00	40.57	44.05	44.00	<b>N</b> 1/A	NI/A	44.00	07/04/0045
RhumbLine Equity S&P 500 S&P 500 Index	38,144,156	8.7	-16.08 -16.10	-11.13 -11.13	-10.62 -10.62	10.57 10.60	11.25 11.31	11.09 11.14	N/A 12.96	N/A 8.54	11.09 11.14	07/01/2015
RhumbLine R1000 Value	10,867,120	2.5	-12.17	-6.05	-6.78	6.84	7.12	N/A	N/A	N/A	7.35	06/01/2017
Russell 1000 Value Index			-12.21	-6.09	-6.82	6.87	7.17	7.69	10.50	6.10	7.39	
RhumbLine R1000 Growth	8,676,587	2.0	-20.90	-19.68	-18.73	12.60	14.28	N/A	N/A	N/A	14.54	04/01/2017
Russell 1000 Growth Index			-20.92	-19.70	-18.77	12.58	14.29	13.45	14.80	10.67	14.56	
RhumbLine S&P Mid Cap 400	20,361,913	4.6	-15.39	-13.10	-14.63	6.83	6.98	N/A	N/A	N/A	8.45	10/01/2016
S&P MidCap 400 Index			-15.42	-13.11	-14.64	6.87	7.02	7.76	10.90	8.04	8.50	
Anchor Equity	21,579,996	4.9	-11.21	-8.99	-9.74	4.49	7.21	7.58	9.44	N/A	7.14	10/01/2007
Russell Midcap Value Index	_ :,,		-14.68	-9.08	-10.00	6.70	6.27	7.15	10.62	6.91	7.29	
Champlain MC Equity	21,301,808	4.9	-19.44	-23.82	-21.31	N/A	N/A	N/A	N/A	N/A	6.71	08/01/2019
Russell Midcap Index	21,001,000	1.0	-16.85	-16.52	-17.30	6.59	7.96	8.04	11.29	7.77	6.27	00/01/2010
SSGA Small-Mid Cap Equity (SSMKX)	17,017,230	3.9	-19.88	-26.22	-28.50	5.08	N/A	N/A	N/A	N/A	3.01	09/01/2018
Russell 2500 Index			-16.98	-18.82	-21.00	5.91	7.04	7.16	10.49	7.29	3.41	
Eagle Equity	20,225,243	4.6	-17.90	-29.50	-31.48	2.74	6.92	7.09	10.51	N/A	8.52	07/01/2011
Russell 2000 Growth Index			-19.25	-29.44	-33.43	1.40	4.80	4.96	9.30	6.80	8.15	
Barrow Hanley SCV	21,102,708	4.8	-15.22	-10.43	-13.73	N/A	N/A	N/A	N/A	N/A	-15.42	06/01/2021
Russell 2000 Value Index			-15.28	-13.71	-16.28	6.18	4.89	6.40	9.05	5.58	-15.60	



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

	Allocatio	n					Perforn	nance(%)				
	Market Value \$	%	QTR	FYTD	1 YR	3 YR	5 YR	7 YR	10 YR	15 YR	Inception	Inception Date
Total International Equity	55,268,605	12.6										
Vanguard Intl Equity (VTRIX) MSCI EAFE Value	21,482,882	4.9	-11.38 -12.11	-14.26 -10.57	-17.40 -11.29	2.05 0.79	2.66 1.13	2.75 1.78	N/A 4.85	N/A 0.71	4.00 3.36	07/01/2013
Invesco Emerging Markets Equity  MSCI Emerging Markets Index	12,487,002	2.8	-11.26 -11.34	-27.83 -18.50	-34.70 -25.00	-3.87 0.92	0.66 2.55	1.97 3.16	N/A 3.43	N/A 2.35	1.80 2.20	01/01/2013
RhumbLine International Equity  MSCI EAFE Index	21,298,721	4.8	-14.26 -14.29	-17.01 -17.04	-17.34 -17.33	1.31 1.54	2.39 2.69	N/A 3.19	N/A 5.89	N/A 1.90	5.38 5.70	02/01/2016
Total Fixed Income Composite	52,557,121	12.0	-4.77	-10.14	-10.34	-1.74	0.12	0.84	1.64	N/A	3.02	10/01/2007
Fixed Income Index			-2.93	-7.95	-7.91	-0.60	0.88	1.22	1.38	N/A	2.86	
<b>Total Domestic Fixed Composite</b>	36,749,489	8.4										
Garcia Hamilton Fixed Income Fixed Income Index	36,749,489	8.4	-2.07 -2.93	-5.83 -7.95	-5.69 -7.91	-0.07 -0.60	1.14 0.88	1.59 1.22	2.17 1.38	N/A N/A	3.70 2.86	10/01/2007
Total Global Fixed Composite	15,807,632	3.6										
Lazard Emerging Markets Debt Blend Fund L.P. JPM EMBI / GBI-EM Global Diversified	7,727,986	1.8	-12.38 -10.03	-21.02 -18.68	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	-22.59 -20.23	08/01/2021
PGIM Emerging Market Debt JPM EMBI / GBI-EM Global Diversified	8,079,647	1.8	-9.33 -10.03	-18.30 -18.68	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	-19.20 -20.23	08/01/2021
Blackrock Multi-Asset Income Fund 50% MSCI World Index (Net)/50% BB US Agg Index	2,407,746	0.5	-9.27 -10.54	N/A -12.16	N/A -12.12	N/A 3.35	N/A 4.56	N/A 4.73	N/A 5.69	N/A 4.58	-9.08 -10.55	03/01/2022
Total Real Estate	87,382,792	19.9										
Intercontinental Real Estate Policy	56,113,723	12.8	7.11 4.55	20.62 21.59	27.50 30.06	13.06 13.23	11.28 11.01	11.22 10.76	11.57 11.39	N/A 7.01	11.96 12.21	07/01/2010
J.P. Morgan Real Estate Policy	28,754,239	6.5	2.81 4.55	17.52 21.59	26.94 30.06	12.29 13.23	10.49 11.01	10.45 10.76	N/A 11.39	N/A 7.01	11.40 11.22	07/01/2014
Affiliated Housing Impact Fund LP	2,514,830	0.6	0.85	-0.76	26.58	N/A	N/A	N/A	N/A	N/A	N/A	12/15/2020



 $<sup>^{\</sup>star}$  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
Total Alternatives	18,313,697	4.2	-3.53	-4.14	-4.59	N/A	N/A	N/A	N/A	N/A	8.44	06/01/2020
ETG Co-Invest Opportunities Fund LP HFRI Fund of Funds Composite Index	18,313,697	4.2	-3.53 -4.08	-4.14 -6.34	-4.59 -5.65	N/A 3.88	N/A 3.59	N/A 2.66	N/A 3.73	N/A 1.77	8.44 6.41	06/01/2020
Total Private Equity *	40,753,737	9.3										
R&D Cash	3,239,144	0.7										

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

# Comparative Performance - IRR Private Equity

As of June 30, 2022

Comparative Performance - IRR							
	QTD	FYTD	1 YR	3 YR	5 YR	Inception	Inception Date
Aberdeen U.S. P.E. VII	25.49	33.16	121.07	39.60	N/A	38.96	05/16/2018
JP Morgan Global P.E. VII	5.67	22.14	34.90	22.01	N/A	18.85	05/18/2018
ETG Co-Invest Opportunities Fund LP	-3.47	-3.91	-4.56	N/A	N/A	4.89	06/04/2020
Taurus Private Markets Fund, LP	6.16	8.60	19.38	N/A	N/A	3.00	04/07/2020
JP Morgan Global P.E. IX	8.57	21.13	31.08	N/A	N/A	26.18	11/06/2020
Aberdeen U.S. P.E. IX	13.39	54.21	62.60	N/A	N/A	60.05	06/03/2021



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	13,707,127	9,716,300	39.0	2.2
ETG Co-Invest Opportunities Fund LP	2008	Special Situations	20,000,000	17,438,210	18,313,697	-	4.9	1.1
JP Morgan Global P.E. VII	2017	Other	12,000,000	9,970,433	12,043,650	1,967,161	18.9	1.4
JP Morgan Global P.E. IX	2020	Hybrid	12,000,000	4,661,606	5,657,813	277,354	26.2	1.3
Taurus Private Markets Fund, LP	2019	Buyouts	12,000,000	3,407,603	3,453,983	85,182	3.0	1.0
Aberdeen U.S. P.E. IX	2021	Buyout - Small	12,000,000	4,200,000	5,891,164	37,347	60.1	1.4



Asset Allocation & Performance	Allocatio	<b>.</b>			Dorformanas(9/)		
	Market Value \$	% %	Oct-2020 To Sep-2021	Oct-2019 To Sep-2020	Performance(%) Oct-2018 To Sep-2019	Oct-2017 To Sep-2018	Oct-2016 To Sep-2017
Total Fund Composite	439,201,032	100.0	24.33	7.03	2.68	10.34	14.01
Total Fund Policy Index			24.26	6.45	2.87	9.50	13.01
Total Equity Composite	234,545,365	53.4	33.06	8.45	0.17	12.87	18.47
Total Equity Policy Index			35.35	6.29	-0.12	13.66	18.97
Total Domestic Equity	179,276,761	40.8					
361 Capital (BRC Equity)	-	0.0	N/A	N/A	N/A	N/A	N/A
Russell 1000 Value Index			35.01 (60)	-5.03 (66)	4.00 (39)	9.45 (78)	15.12 (76)
IM U.S. Large Cap Value Equity (SA+CF) Median			37.17	-3.08	2.36	11.83	17.89
RhumbLine Equity S&P 500	38,144,156	8.7	29.99 (57)	15.16 (42)	4.24 (40)	17.87 (43)	18.55 (58)
S&P 500 Index			30.00 (56)	15.15 (42)	4.25 (39)	17.91 (40)	18.61 (55)
IM U.S. Large Cap Equity (SA+CF) Median			30.73	13.41	3.46	17.25	18.80
RhumbLine R1000 Value	10,867,120	2.5	34.91 (60)	-4.98 (66)	4.00 (39)	9.43 (78)	N/A
Russell 1000 Value Index			35.01 (60)	-5.03 (66)	4.00 (39)	9.45 (78)	15.12 (76)
IM U.S. Large Cap Value Equity (SA+CF) Median			37.17	-3.08	2.36	11.83	17.89
RhumbLine R1000 Growth	8,676,587	2.0	27.37 (51)	37.62 (29)	3.72 (52)	26.25 (38)	N/A
Russell 1000 Growth Index			27.32 (51)	37.53 (30)	3.71 (52)	26.30 (37)	21.94 (39)
IM U.S. Large Cap Growth Equity (SA+CF) Median			27.43	33.32	3.80	24.59	20.87
Garcia Hamilton Equity	-	0.0	N/A	N/A	N/A	N/A	N/A
Russell 1000 Growth Index			27.32 (51)	37.53 (30)	3.71 (52)	26.30 (37)	21.94 (39)
IM U.S. Large Cap Growth Equity (SA+CF) Median			27.43	33.32	3.80	24.59	20.87
RhumbLine S&P Mid Cap 400	20,361,913	4.6	43.61 (33)	-2.12 (62)	-2.49 (78)	14.16 (60)	17.49 (54)
S&P MidCap 400 Index			43.68 (32)	-2.16 (65)	-2.49 (78)	14.21 (56)	17.52 (52)
IM U.S. Mid Cap Equity (SA+CF) Median			38.36	4.10	1.91	15.14	17.57
Anchor Equity	21,579,996	4.9	26.99 (96)	-3.19 (26)	9.76 (5)	14.65 (16)	14.45 (80)
Russell Midcap Value Index			42.40 (66)	-7.30 (51)	1.60 (46)	8.81 (60)	13.37 (86)
IM U.S. Mid Cap Value Equity (SA+CF) Median			44.76	-7.30	1.01	9.50	17.01
Oak Ridge Equity	-	0.0	N/A	N/A	N/A	N/A	N/A
Russell Midcap Growth Index			30.45 (65)	23.23 (49)	5.20 (53)	21.10 (55)	17.82 (62)
IM U.S. Mid Cap Growth Equity (SA+CF) Median			31.84	22.53	6.05	22.10	19.01



	Allocatio	n			Performance(%)		
	Market Value \$	%	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
New Amsterdam Equity	-	0.0	N/A	N/A	N/A	6.13 (92)	20.50 (38)
Russell 2500 Index			45.03 (51)	2.22 (47)	-4.04 (63)	16.19 (43)	17.79 (65)
IM U.S. SMID Cap Equity (SA+CF) Median			45.07	0.90	-2.46	14.77	19.17
SSGA Small-Mid Cap Equity (SSMKX)	17,017,230	3.9	41.30 (73)	13.27 (1)	-3.36 (39)	N/A	N/A
Russell 2500 Index			45.03 (50)	2.22 (8)	-4.04 (42)	16.19 (14)	17.79 (36)
IM U.S. SMID Cap Core Equity (MF) Median			44.98	-5.89	-4.79	10.88	16.89
Eagle Equity	20,225,243	4.6	28.39 (91)	27.74 (41)	-9.53 (71)	32.48 (30)	22.28 (40)
Russell 2000 Growth Index			33.27 (78)	15.71 (62)	-9.63 (72)	21.06 (76)	20.98 (57)
IM U.S. Small Cap Growth Equity (SA+CF) Median			40.55	21.14	-6.23	27.05	21.34
Wellington	-	0.0	N/A	-23.30 (99)	-4.33 (36)	11.34 (37)	14.79 (89)
Russell 2000 Value Index			63.92 (34)	-14.88 (64)	-8.24 (63)	9.33 (49)	20.55 (52)
IM U.S. Small Cap Value Equity (SA+CF) Median			58.18	-13.19	-6.56	9.15	20.62
Total International & Emerging Equity	55,268,605	12.6					
Vanguard Intl Equity (VTRIX)	21,482,882	4.9	30.92 (34)	-4.10 (32)	-2.62 (12)	1.90 (7)	20.63 (17)
MSCI EAFE Value			31.43 (32)	-11.45 (100)	-4.31 (27)	0.24 (49)	23.22 (2)
IM International Large Cap Value Equity (MF) Median			29.29	-5.76	-5.45	-0.02	18.21
Invesco Emerging Markets Equity	12,487,002	2.8	16.04 (81)	11.68 (40)	4.02 (25)	1.31 (13)	23.04 (46)
MSCI Emerging Markets Index			18.58 (69)	10.91 (46)	-1.63 (64)	-0.44 (25)	22.91 (47)
IM Emerging Markets Equity (SA+CF) Median			22.87	9.80	0.00	-2.59	22.58
RhumbLine International Equity	21,298,721	4.8	25.95 (51)	0.62 (72)	-1.08 (47)	2.74 (38)	19.24 (64)
MSCI EAFE Index			26.29 (50)	0.93 (71)	-0.82 (43)	3.25 (34)	19.65 (61)
IM International Equity (SA+CF) Median			26.05	7.46	-1.57	1.44	21.09



	Allocatio	n			Performance(%)		
	Market Value \$	%	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
Total Fixed Income Composite	52,557,121	12.0	-1.13	5.67	7.16	0.33	0.60
Fixed Income Index	, ,		-0.38	5.66	8.08	-0.93	0.25
Total Domestic Fixed Composite	36,749,489	8.4					
Garcia Hamilton Fixed Income Fixed Income Index IM U.S. Intermediate Duration (SA+CF) Median	36,749,489	8.4	-0.77 (95) -0.38 (87) 0.25	5.67 (81) 5.66 (81) 6.45	7.16 (81) 8.08 (45) 8.01	0.34 (16) -0.93 (94) -0.38	0.69 (50) 0.25 (86) 0.69
RhumbLine Fixed Income Blmbg. U.S. Aggregate Index IM U.S. Broad Market Core Fixed Income (SA+CF) Median	-	0.0	N/A -0.90 (84) -0.02	N/A 6.98 (77) 7.52	N/A 10.30 (69) 10.42	N/A -1.22 (88) -0.75	-0.06 (94) 0.07 (84) 0.63
Total Global Fixed Composite	15,807,632	3.6					
Lazard Emerging Markets Debt Blend Fund L.P.  JPM EMBI / GBI-EM Global Diversified  IM Emerging Markets Debt (SA+CF) Median	7,727,986	1.8	N/A N/A 6.15	N/A N/A 2.07	N/A N/A 10.07	N/A N/A -3.54	N/A N/A 8.04
PGIM Emerging Market Debt  JPM EMBI / GBI-EM Global Diversified  IM Emerging Markets Debt (SA+CF) Median	8,079,647	1.8	N/A N/A 6.15	N/A N/A 2.07	N/A N/A 10.07	N/A N/A -3.54	N/A N/A 8.04



	Allocatio	n			Performance(%)		
	Market Value \$	%	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
Blackrock Multi-Asset Income Fund 50% MSCI World Index (Net)/50% BB US Agg Index IM Flexible Portfolio (MF) Median	2,407,746	0.5	N/A 13.29 (77) 17.64	N/A 9.36 (20) 3.74	N/A 6.40 (28) 3.96	N/A 4.93 (49) 4.69	N/A 8.80 (72) 11.09
Total Real Estate	87,382,792	19.9					
Intercontinental Real Estate Policy IM U.S. Private Real Estate (SA+CF) Median	56,113,723	12.8	13.86 (71) 15.75 (53) 16.11	4.42 (12) 1.74 (51) 1.74	8.32 (21) 6.17 (67) 6.80	11.41 (10) 8.82 (58) 8.98	11.64 (13) 7.81 (54) 7.96
J.P. Morgan Real Estate Policy IM U.S. Private Real Estate (SA+CF) Median	28,754,239	6.5	18.28 (25) 15.75 (53) 16.11	2.78 (20) 1.74 (51) 1.74	7.57 (32) 6.17 (67) 6.80	10.94 (20) 8.82 (58) 8.98	9.93 (22) 7.81 (54) 7.96
Affiliated Housing Impact Fund LP	2,514,830	0.6	N/A	N/A	N/A	N/A	N/A
Total Alternatives	18,313,697	4.2	23.73	N/A	N/A	N/A	N/A
ETG Co-Invest Opportunities Fund LP HFRI Fund of Funds Composite Index	18,313,697	4.2	23.73 14.30	N/A 5.73	N/A -0.05	N/A 3.05	N/A 6.50
R&D Cash	3,239,144	0.7					



			Performance(%)		
	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015	Oct-2013 To Sep-2014	Oct-2012 To Sep-2013	Oct-2011 To Sep-2012
otal Fund Composite	8.76	0.69	9.53	13.75	18.42
Total Fund Policy Index	10.75	0.71	10.14	14.75	19.53
otal Equity Composite	9.83	-1.34	10.82	18.19	22.91
Total Equity Policy Index	14.06	-2.21	13.29	22.52	27.50
otal Domestic Equity					
61 Capital (BRC Equity)	4.57 (97)	0.14 (19)	20.33 (27)	N/A	N/A
Russell 1000 Value Index	16.19 (26)	-4.42 (65)	18.89 (42)	22.30 (59)	30.92 (25
IM U.S. Large Cap Value Equity (SA+CF) Median	13.56	-3.29	18.38	23.65	28.06
humbLine Equity S&P 500	15.40 (26)	N/A	N/A	N/A	N/A
S&P 500 Index	15.43 (25)	-0.61 (58)	19.73 (36)	19.34 (70)	30.20 (38
IM U.S. Large Cap Equity (SA+CF) Median	13.41	-0.37	18.82	20.99	29.19
humbLine R1000 Value	N/A	N/A	N/A	N/A	N/A
Russell 1000 Value Index	16.19 (26)	-4.42 (65)	18.89 (42)	22.30 (59)	30.92 (25
IM U.S. Large Cap Value Equity (SA+CF) Median	13.56	-3.29	18.38	23.65	28.06
humbLine R1000 Growth	N/A	N/A	N/A	N/A	N/A
Russell 1000 Growth Index	13.76 (23)	3.17 (56)	19.15 (40)	19.27 (64)	29.19 (39
IM U.S. Large Cap Growth Equity (SA+CF) Median	11.84	3.63	18.18	20.29	27.82
arcia Hamilton Equity	11.91 (50)	1.41 (72)	17.12 (62)	12.80 (98)	27.13 (57
Russell 1000 Growth Index	13.76 (23)	3.17 (56)	19.15 (40)	19.27 (64)	29.19 (39
IM U.S. Large Cap Growth Equity (SA+CF) Median	11.84	3.63	18.18	20.29	27.82
humbLine S&P Mid Cap 400	N/A	N/A	N/A	N/A	N/A
S&P MidCap 400 Index	15.33 (30)	1.40 (54)	11.82 (68)	27.68 (57)	28.54 (41
IM U.S. Mid Cap Equity (SA+CF) Median	12.12	1.49	13.68	28.21	27.31
nchor Equity	12.76 (70)	4.71 (8)	9.97 (92)	16.82 (100)	21.94 (95
Russell Midcap Value Index	17.26 (27)	-2.07 (61)	17.46 (28)	27.77 (62)	29.28 (48
IM U.S. Mid Cap Value Equity (SA+CF) Median	15.15	-0.89	15.70	28.92	29.11
ak Ridge Equity	N/A	3.41 (44)	7.64 (84)	25.96 (64)	22.03 (76
Russell Midcap Growth Index	11.24 (29)	1.45 (69)	14.43 (27)	27.54 (48)	26.69 (43
IM U.S. Mid Cap Growth Equity (SA+CF) Median	8.42	2.98	11.41	27.49	26.19



Oct-2015 To Son-2016	Oct-2014 To Sop-2015	Oct-2013 To San-2014	Oct-2012 To Sep-2013	Oct-2011 To Sep-2012
· · · · · · · · · · · · · · · · · · ·		<u> </u>		N/A
` '	` '			30.93 (38)
12.54	1.13	10.32	30.02	29.39
N/A	N/A	N/A	N/A	N/A
14.44 (33)	0.38 (21)	8.97 (56)	29.79 (36)	30.93 (17)
12.24	-1.38	9.37	28.67	27.74
12.20 (47)	4.68 (44)	2.33 (64)	33.00 (60)	28.41 (66)
12.12 (47)	4.04 (50)	3.79 (55)	33.07 (59)	31.18 (49)
11.66	3.76	4.45	34.02	30.84
N/A	N/A	N/A	N/A	N/A
18.81 (26)	-1.60 (67)	4.13 (80)	27.04 (82)	32.63 (41)
15.77	0.75	7.00	31.03	31.11
8.41 (6)	-13.91 (88)	5.83 (32)	N/A	N/A
4.16 (54)	-12.18 (87)	6.18 (31)	24.91 (9)	13.34 (66)
4.33	-9.62	4.67	21.68	15.52
19.28 (36)	-22.23 (88)	6.91 (46)	N/A	N/A
17.21 (52)	-18.98 (68)	4.66 (69)	1.33 (74)	17.34 (58)
17.47	-17.32	6.51	4.38	18.14
N/A	N/A	N/A	N/A	N/A
7.06 (77)	-8.27 (49)	4.70 (63)	24.29 (33)	14.33 (72)
11.63	-8.48	5.80	20.09	17.30
	To Sep-2016  8.71 (74) 14.44 (36) 12.54  N/A 14.44 (33) 12.24  12.20 (47) 12.12 (47) 11.66  N/A 18.81 (26) 15.77   8.41 (6) 4.16 (54) 4.33  19.28 (36) 17.21 (52) 17.47  N/A 7.06 (77)	To Sep-2016 Sep-2015  8.71 (74) 7.88 (10) 14.44 (36) 0.38 (58) 12.54 1.13  N/A N/A 14.44 (33) 0.38 (21) 12.24 -1.38  12.20 (47) 4.68 (44) 12.12 (47) 4.04 (50) 11.66 3.76  N/A N/A 18.81 (26) -1.60 (67) 15.77 0.75   8.41 (6) -13.91 (88) 4.16 (54) -12.18 (87) 4.33 -9.62  19.28 (36) -22.23 (88) 17.21 (52) -18.98 (68) 17.47 -17.32  N/A N/A 7.06 (77) -8.27 (49)	To         To         Sep-2014           8.71 (74)         7.88 (10)         N/A           14.44 (36)         0.38 (58)         8.97 (61)           12.54         1.13         10.32           N/A         N/A         N/A           14.44 (33)         0.38 (21)         8.97 (56)           12.24         -1.38         9.37           12.20 (47)         4.68 (44)         2.33 (64)           12.12 (47)         4.04 (50)         3.79 (55)           11.66         3.76         4.45           N/A         N/A         N/A           18.81 (26)         -1.60 (67)         4.13 (80)           15.77         0.75         7.00           8.41 (6)         -13.91 (88)         5.83 (32)           4.16 (54)         -12.18 (87)         6.18 (31)           4.33         -9.62         4.67           19.28 (36)         -22.23 (88)         6.91 (46)           17.21 (52)         -18.98 (68)         4.66 (69)           17.47         -17.32         6.51           N/A         N/A         N/A           7.06 (77)         -8.27 (49)         4.70 (63)	To Sep-2016         To Sep-2015         To Sep-2014         To Sep-2013           8.71 (74)         7.88 (10)         N/A         N/A           14.44 (36)         0.38 (58)         8.97 (61)         29.79 (54)           12.54         1.13         10.32         30.02           N/A         N/A         N/A         N/A           14.44 (33)         0.38 (21)         8.97 (56)         29.79 (36)           12.24         -1.38         9.37         28.67           12.20 (47)         4.68 (44)         2.33 (64)         33.00 (60)           12.12 (47)         4.04 (50)         3.79 (55)         33.07 (59)           11.66         3.76         4.45         34.02           N/A         N/A         N/A         N/A           18.81 (26)         -1.60 (67)         4.13 (80)         27.04 (82)           15.77         0.75         7.00         31.03           8.41 (6)         -13.91 (88)         5.83 (32)         N/A           4.16 (54)         -12.18 (87)         6.18 (31)         24.91 (9)           4.33         -9.62         4.67         21.68           19.28 (36)         -22.23 (88)         6.91 (46)         N/A <td< td=""></td<>



			Performance(%)		
	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015	Oct-2013 To Sep-2014	Oct-2012 To Sep-2013	Oct-2011 To Sep-2012
		-		-	-
Total Fixed Income Composite	3.79	3.98	4.78	1.03	9.04
Fixed Income Index	3.57	2.95	2.74	-0.71	4.31
otal Domestic Fixed Composite					
Garcia Hamilton Fixed Income	3.84 (58)	3.98 (4)	4.78 (9)	1.03 (8)	9.04 (7)
Fixed Income Index	3.57 (72)	2.95 (31)	2.74 (57)	-0.71 (77)	4.31 (83)
IM U.S. Intermediate Duration (SA+CF) Median	3.89	2.70	2.87	-0.26	5.56
RhumbLine Fixed Income	N/A	N/A	N/A	N/A	N/A
Blmbg. U.S. Aggregate Index	5.19 (80)	2.94 (62)	3.96 (81)	-1.68 (78)	5.16 (89)
IM U.S. Broad Market Core Fixed Income (SA+CF) Median	5.66	3.02	4.49	-1.25	6.66
Fotal Global Fixed Composite					
azard 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	16.42	-6.88	6.77	-2.87	18.81
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	16.42	-6.88	6.77	-2.87	18.81



			Performance(%)		
	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015	Oct-2013 To Sep-2014	Oct-2012 To Sep-2013	Oct-2011 To Sep-2012
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	8.47 (72)	-0.98 (28)	8.10 (68)	8.84 (58)	13.48 (76)
IM Flexible Portfolio (MF) Median	10.03	-2.95	9.65	10.02	17.34
Total Real Estate					
Intercontinental	12.98 (30)	14.12 (67)	15.12 (31)	14.53 (44)	14.24 (38)
Real Estate Policy	10.62 (67)	14.71 (62)	12.39 (70)	12.47 (70)	11.77 (64)
IM U.S. Private Real Estate (SA+CF) Median	11.44	15.62	12.98	13.56	12.90
J.P. Morgan	12.10 (37)	20.93 (18)	N/A	N/A	N/A
Real Estate Policy	10.62 (67)	14.71 (62)	12.39 (70)	12.47 (70)	11.77 (64)
IM U.S. Private Real Estate (SA+CF) Median	11.44	15.62	12.98	13.56	12.90
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	0.38	-0.05	6.16	6.48	2.93

R&D Cash



Asset Allocation & Performance												
	Allocatio	n					Perform	ance(%)				
	Market Value \$	%	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	Oct-2011 To Sep-2012
Total Fund Composite	439,201,032	100.0	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 (35)	17.90 (43)
Total Fund Policy Index			24.26 (13)	6.45 (67)	2.87 (83)	9.50 (14)	13.01 (30)	10.75 (20)	0.71 (16)	10.14 (43)	14.75 (15)	19.53 (15)
All Public Plans-Total Fund Median			20.74	7.53	4.28	7.47	12.01	9.78	-0.87	9.85	12.38	17.37
Total Equity Composite	234,545,365	53.4	32.66	8.11	-0.14	12.55	18.05	9.28	-1.87	10.14	17.61	22.25
Total Equity Policy Index			35.35	6.29	-0.12	13.66	18.97	14.06	-2.21	13.29	22.52	27.50
Total Domestic Equity	179,276,761	40.8										
361 Capital (BRC Equity)	_	0.0	N/A	N/A	N/A	N/A	N/A	4.06	-0.35	19.81	N/A	N/A
Russell 1000 Value Index		0.0	35.01	-5.03	4.00	9.45	15.12	16.19	-4.42	18.89	22.30	30.92
RhumbLine Equity S&P 500	38,144,156	8.7	29.94	15.11	4.19	17.81	18.49	15.39	N/A	N/A	N/A	N/A
S&P 500 Index			30.00	15.15	4.25	17.91	18.61	15.43	-0.61	19.73	19.34	30.20
RhumbLine R1000 Value	10,867,120	2.5	34.85	-5.02	3.95	9.39	N/A	N/A	N/A	N/A	N/A	N/A
Russell 1000 Value Index			35.01	-5.03	4.00	9.45	15.12	16.19	-4.42	18.89	22.30	30.92
RhumbLine R1000 Growth	8,676,587	2.0	27.32	37.57	3.67	26.20	N/A	N/A	N/A	N/A	N/A	N/A
Russell 1000 Growth Index			27.32	37.53	3.71	26.30	21.94	13.76	3.17	19.15	19.27	29.19
Garcia Hamilton Equity	-	0.0	N/A	N/A	N/A	N/A	N/A	11.27	1.16	16.51	12.25	26.52
Russell 1000 Growth Index			27.32	37.53	3.71	26.30	21.94	13.76	3.17	19.15	19.27	29.19
RhumbLine S&P Mid Cap 400	20,361,913	4.6	43.56	-2.16	-2.54	14.10	17.44	N/A	N/A	N/A	N/A	N/A
S&P MidCap 400 Index			43.68	-2.16	-2.49	14.21	17.52	15.33	1.40	11.82	27.68	28.54
Anchor Equity	21,579,996	4.9	26.58	-3.68	9.25	14.11	13.91	12.21	4.07	9.33	16.27	21.37
Russell Midcap Value Index			42.40	-7.30	1.60	8.81	13.37	17.26	-2.07	17.46	27.77	29.28
Oak Ridge Equity	-	0.0	N/A	N/A	N/A	N/A	N/A	N/A	2.81	6.99	25.22	21.33
Russell Midcap Growth Index			30.45	23.23	5.20	21.10	17.82	11.24	1.45	14.43	27.54	26.69
New Amsterdam Equity	-	0.0	N/A	N/A	N/A	5.71	20.00	8.25	7.46	N/A	N/A	N/A
Russell 2500 Index			45.03	2.22	-4.04	16.19	17.79	14.44	0.38	8.97	29.79	30.93
SSGA Small-Mid Cap Equity (SSMKX)	17,017,230	3.9		13.27	-3.41	N/A						
Russell 2500 Index			45.03	2.22	-4.04	16.19	17.79	14.44	0.38	8.97	29.79	30.93
Eagle Equity	20,225,243	4.6		26.81	-10.20	31.52	21.37	11.38	3.90	1.53	32.03	27.38
Russell 2000 Growth Index			33.27	15.71	-9.63	21.06	20.98	12.12	4.04	3.79	33.07	31.18



	Allocatio	n					Perform	ance(%)				
	Market Value \$	%	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	Oct-2011 To Sep-2012
Wellington Russell 2000 Value Index	-	0.0	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	N/A 32.63
Total International Equity	55,268,605	12.6										
Vanguard Intl Equity (VTRIX)  MSCI EAFE Value	21,482,882	4.9	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	N/A 13.34
Invesco Emerging Markets Equity MSCI Emerging Markets Index	12,487,002	2.8	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	N/A 17.34
RhumbLine International Equity  MSCI EAFE Index	21,298,721	4.8	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	N/A 14.33
Total Fixed Income Composite Fixed Income Index	52,557,121	12.0	<b>-1.33</b> -0.38	<b>5.52</b> 5.66	<b>6.94</b> 8.08	<b>0.12</b> -0.93	<b>0.40</b> 0.25	<b>3.60</b> 3.57	<b>3.78</b> 2.95	<b>4.57</b> 2.74	<b>0.83</b> -0.71	<b>8.83</b> 4.31
Total Domestic Fixed Composite	36,749,489	8.4	-0.00	0.00	0.00	-0.00	0.20	0.01	2.00	2.14	-0.71	4.01
Garcia Hamilton Fixed Income Fixed Income Index	36,749,489	8.4	-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	8.83 4.31
RhumbLine Fixed Income Blmbg. U.S. Aggregate Index	-	0.0	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	N/A 5.16
Total Global Fixed Composite	15,807,632	3.6										
Lazard Emerging Markets Debt Blend Fund L.P. JPM EMBI / GBI-EM Global Diversified	7,727,986	1.8	N/A N/A									
PGIM Emerging Market Debt JPM EMBI / GBI-EM Global Diversified	8,079,647	1.8	N/A N/A									
Blackrock Multi-Asset Income Fund 50% MSCI World Index (Net)/50% BB US Agg Index	2,407,746	0.5	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	N/A 13.48
Total Real Estate	87,382,792	19.9										
Intercontinental Real Estate Policy	56,113,723	12.8	13.30 15.75	3.36 1.74	6.95 6.17	10.36 8.82	9.59 7.81	10.71 10.62	12.18 14.71	12.68 12.39	13.98 12.47	13.96 11.77



## Asset Allocation & Performance Total Fund Composite (Net) As of June 30, 2022

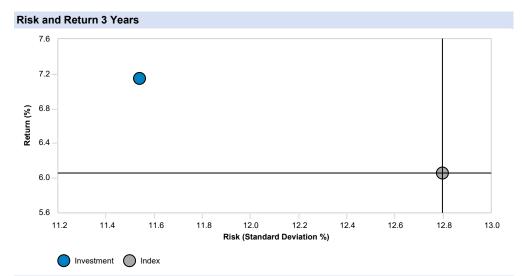
	Allocation	Allocation					Perform	ance(%)				
	Market Value \$	%	Oct-2020 To Sep-2021	Oct-2019 To Sep-2020	Oct-2018 To Sep-2019	Oct-2017 To Sep-2018	Oct-2016 To Sep-2017	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015	Oct-2013 To Sep-2014	Oct-2012 To Sep-2013	Oct-2011 To Sep-2012
J.P. Morgan	28,754,239	6.5	16.44	1.16	5.89	9.38	8.21	10.36	19.53	N/A	N/A	N/A
Real Estate Policy			15.75	1.74	6.17	8.82	7.81	10.62	14.71	12.39	12.47	11.77
Affiliated Housing Impact Fund LP	2,514,830	0.6	N/A									
Total Alternatives	18,313,697	4.2	23.49	N/A								
ETG Co-Invest Opportunities Fund LP	18,313,697	4.2	23.49	N/A								
HFRI Fund of Funds Composite Index			14.30	5.73	-0.05	3.05	6.50	0.38	-0.05	6.16	6.48	2.93
R&D Cash	3,239,144	0.7										

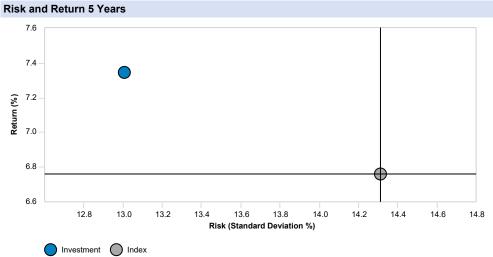


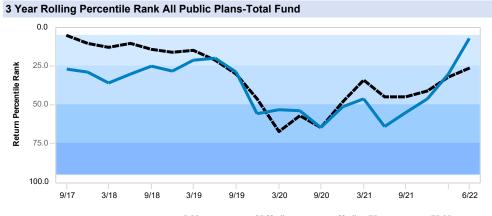


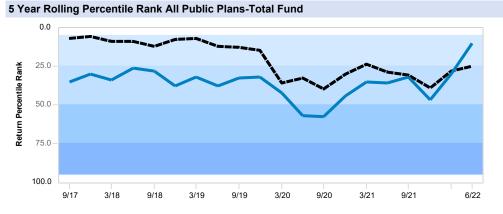
<b>Historical Stati</b>	stics 3 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	7.15	11.54	0.60	95.36	9	86.62	3
Index	6.06	12.80	0.47	100.00	9	100.00	3

<b>Historical Stati</b>	stics 5 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	7.35	13.01	0.52	96.76	15	89.01	5
Index	6.76	14.31	0.45	100.00	15	100.00	5





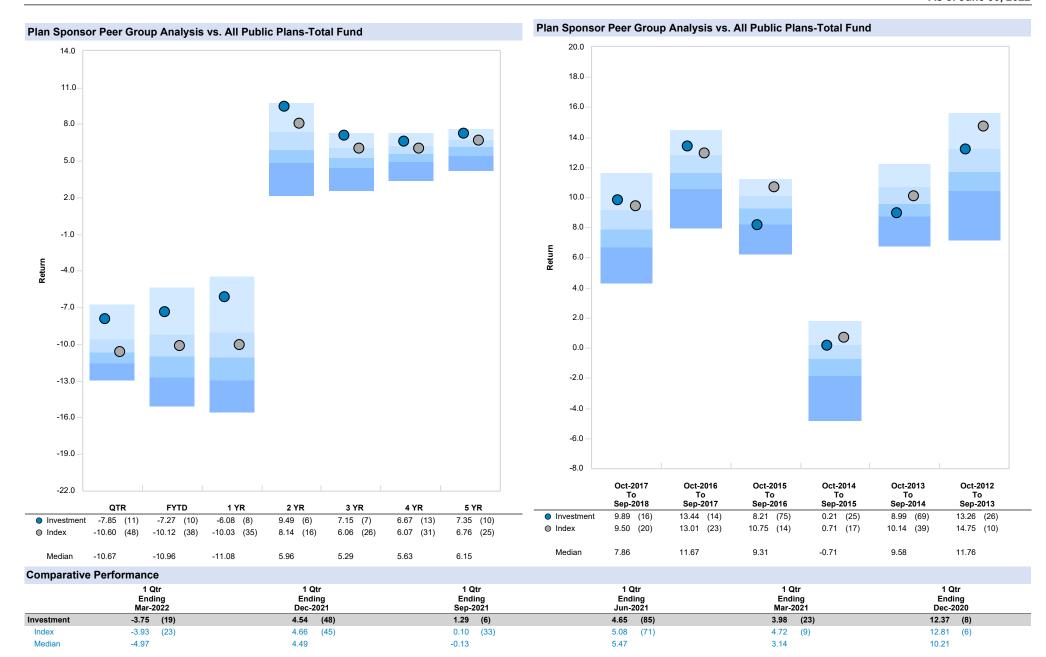




	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count	
Investment	20	4 (20%)	9 (45%)	7 (35%)	0 (0%)	
Index	20	8 (40%)	9 (45%)	3 (15%)	0 (0%)	

	Total Period	Cou		Z5-IVIE Cou		Cor		Cou		
Investment	20	1	(5%)	17	(85%)	2	(10%)	0	(0%)	
Index	20	12	(60%)	8	(40%)	0	(0%)	0	(0%)	

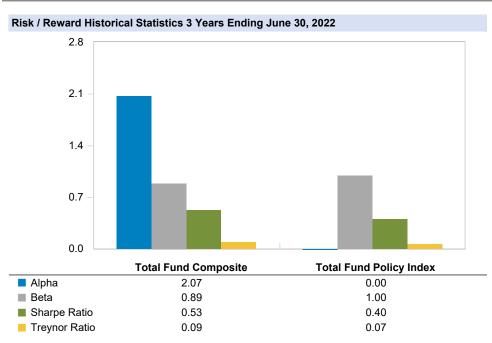






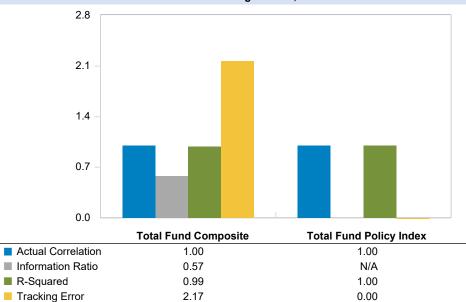
0.45

0.07



# 2.0 1.5 1.0 1.5 1.0 1.5 1.0 1.5 1.0 1.0 1.5 1.0

## Index Relative Historical Statistics 3 Years Ending June 30, 2022



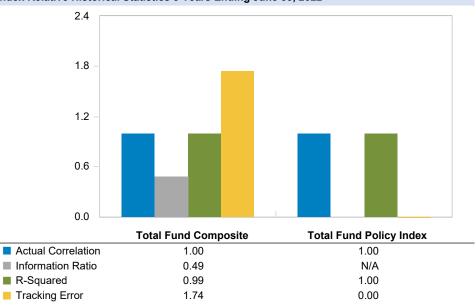
## Index Relative Historical Statistics 5 Years Ending June 30, 2022

0.56

0.08

■ Sharpe Ratio

Treynor Ratio

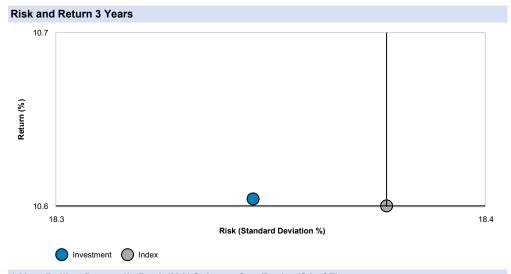


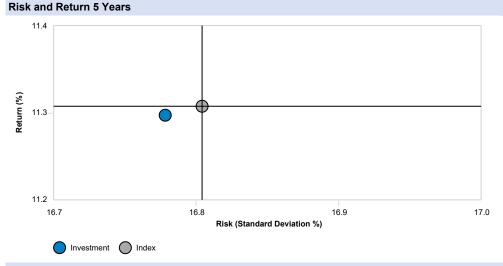
Benchmark: Total Fund Policy Index

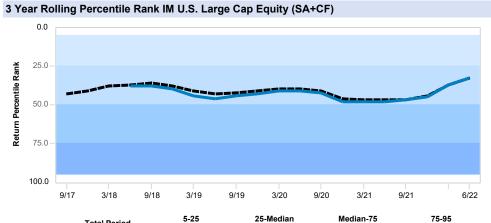


<b>Historical Stati</b>	stics 3 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	10.60	18.35	0.61	99.88	9	99.82	3
Index	10.60	18.38	0.61	100.00	9	100.00	3

<b>Historical Stati</b>	stics 5 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	11.30	16.78	0.66	99.86	15	99.85	5
Index	11.31	16.80	0.66	100.00	15	100.00	5







Count

17 (100%)

20 (100%)

Count

0 (0%)

0 (0%)

Count

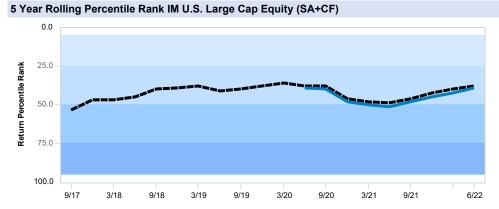
0 (0%)

0 (0%)

Count

0 (0%)

0 (0%)



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	9	0 (0%)	8 (89%)	1 (11%)	0 (0%)
Index	20	0 (0%)	19 (95%)	1 (5%)	0 (0%)



Investment

**Total Period** 

17

20











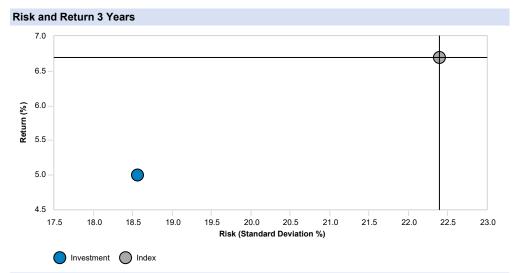


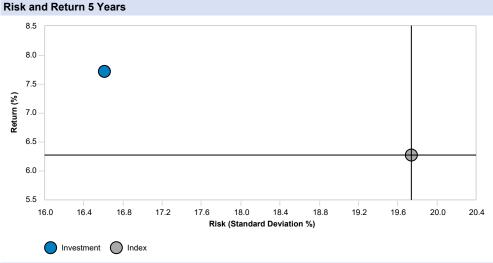


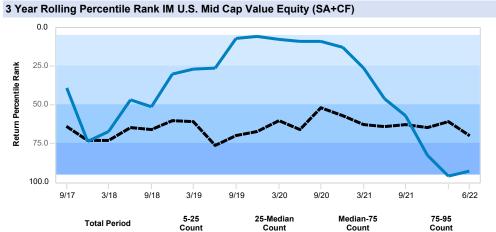


<b>Historical Stati</b>	stics 3 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	5.00	18.57	0.32	83.04	8	87.01	4
Index	6.70	22.39	0.38	100.00	8	100.00	4

<b>Historical Stati</b>	stics 5 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	7.72	16.61	0.47	91.60	14	84.55	6
Index	6.27	19.74	0.35	100.00	14	100.00	6







7 (35%)

0 (0%)

4 (20%)

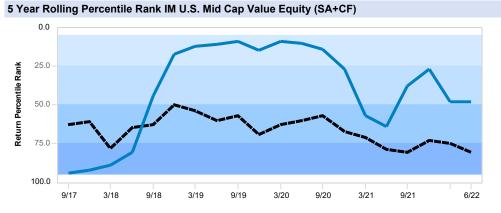
19 (95%)

3 (15%)

1 (5%)

6 (30%)

0 (0%)



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count	
Investment	20	8 (40%)	6 (30%)	2 (10%)	4 (20%)	
Index	20	0 (0%)	1 (5%)	15 (75%)	4 (20%)	



Investment

\_\_ Index

20

20



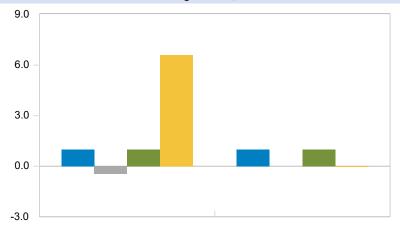


## Risk / Reward Historical Statistics 3 Years Ending June 30, 2022



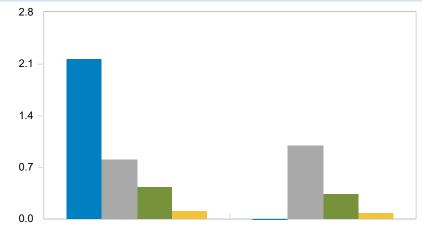
	<b>Anchor Equity</b>	Russell Midcap Value Index
■ Alpha	-0.97	0.00
Beta	0.79	1.00
Sharpe Ratio	0.31	0.36
Treynor Ratio	0.09	0.10

## Index Relative Historical Statistics 3 Years Ending June 30, 2022



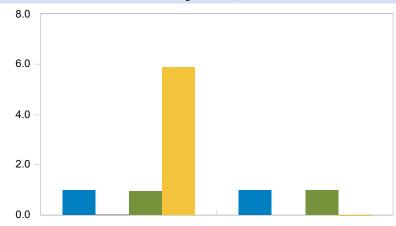
	Anchor Equity	Russell Midcap Value Index
Actual Correlation	0.99	1.00
Information Ratio	-0.49	N/A
R-Squared	0.98	1.00
Tracking Error	6.61	0.00

## Risk / Reward Historical Statistics 5 Years Ending June 30, 2022



	Anchor Equity	Russell Midcap Value Index
■ Alpha	2.16	0.00
■ Beta	0.80	1.00
Sharpe Ratio	0.43	0.34
Treynor Ratio	0.10	0.08

## Index Relative Historical Statistics 5 Years Ending June 30, 2022



	Anchor Equity	Russell Midcap Value Index
Actual Correlation	0.98	1.00
Information Ratio	0.06	N/A
R-Squared	0.97	1.00
Tracking Error	5.89	0.00

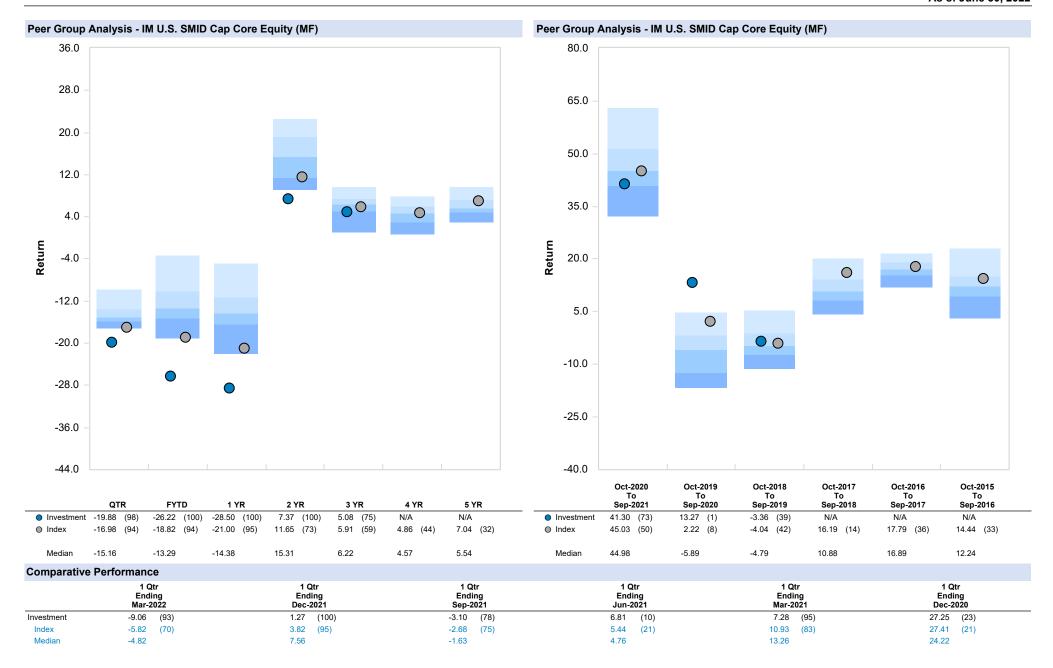
Benchmark: Russell Midcap Value Index







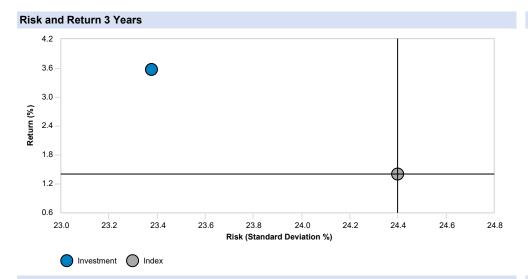


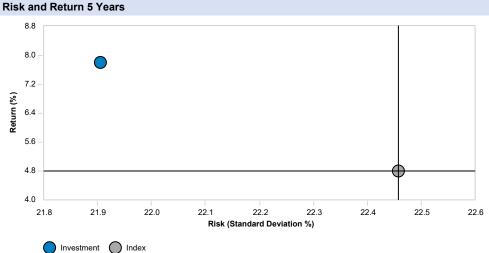




<b>Historical Stati</b>	stics 3 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	3.57	23.37	0.24	99.41	5	92.95	7
Index	1.40	24.40	0.15	100.00	7	100.00	5

Historical Statistics 5 Years										
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters			
Investment	7.80	21.91	0.40	103.77	12	94.13	8			
Index	4.80	22.46	0.27	100.00	14	100.00	6			





### 3 Year Rolling Percentile Rank IM U.S. Small Cap Growth Equity (SA+CF) 0.0 25.0 Return Percentile Rank 50.0 75.0 100.0 9/17 3/18 9/18 3/19 9/19 3/20 9/20 3/21 9/21 6/22 5-25 25-Median Median-75 75-95 **Total Period**

Count

11 (55%)

0 (0%)

Count

1 (5%)

0 (0%)

20

20

Count

2 (10%)

8 (40%)

Count

6 (30%)

12 (60%)



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	20	2 (10%)	8 (40%)	9 (45%)	1 (5%)
Index	20	0 (0%)	0 (0%)	10 (50%)	10 (50%)

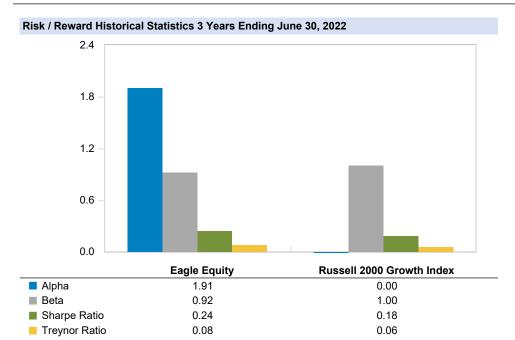


Investment

\_\_ Index





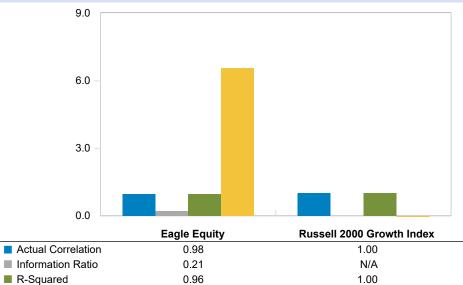


## Risk / Reward Historical Statistics 5 Years Ending June 30, 2022 3.6 2.7 1.8 0.9 Russell 2000 Growth Index

## Eagle Equity Russell 2000 Growth Index Alpha 3.00 0.00 Beta 0.94 1.00 Sharpe Ratio 0.37 0.27 Treynor Ratio 0.11 0.08

## Index Relative Historical Statistics 3 Years Ending June 30, 2022

6.56

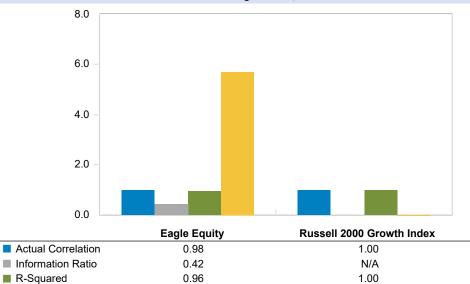


0.00

## Index Relative Historical Statistics 5 Years Ending June 30, 2022

5.72

Tracking Error



Benchmark: Russell 2000 Growth Index

Tracking Error



0.00

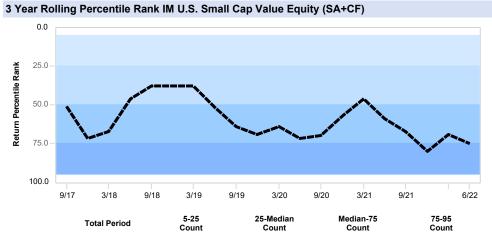


<b>Historical Stati</b>	stics 3 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Index	6.18	25.10	0.34	100.00	7	100.00	5

Historical Stati	stics 5 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Index	4.89	22.49	0.28	100.00	13	100.00	7







0 (0%)

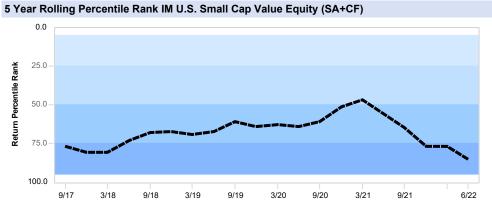
Count

5 (25%)

Count

14 (70%)

1 (5%)



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



Investment

\_\_ Index

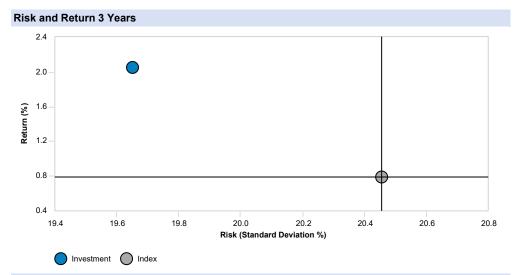
0 20

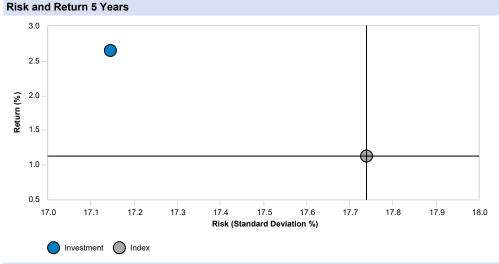




<b>Historical Stati</b>	stics 3 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	2.06	19.65	0.17	100.80	7	96.38	5
Index	0.79	20.46	0.11	100.00	8	100.00	4

<b>Historical Stati</b>	stics 5 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	2.66	17.15	0.17	99.41	12	92.81	8
Index	1.13	17.74	0.09	100.00	13	100.00	7







Count

4 (20%)

5 (25%)

Count

16 (80%)

6 (30%)

20

20

Count

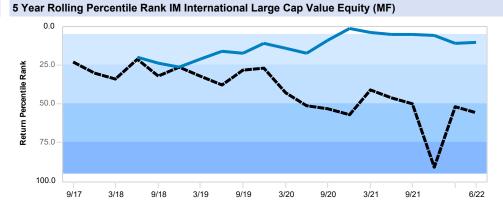
0 (0%)

7 (35%)

Count

0 (0%)

2 (10%)

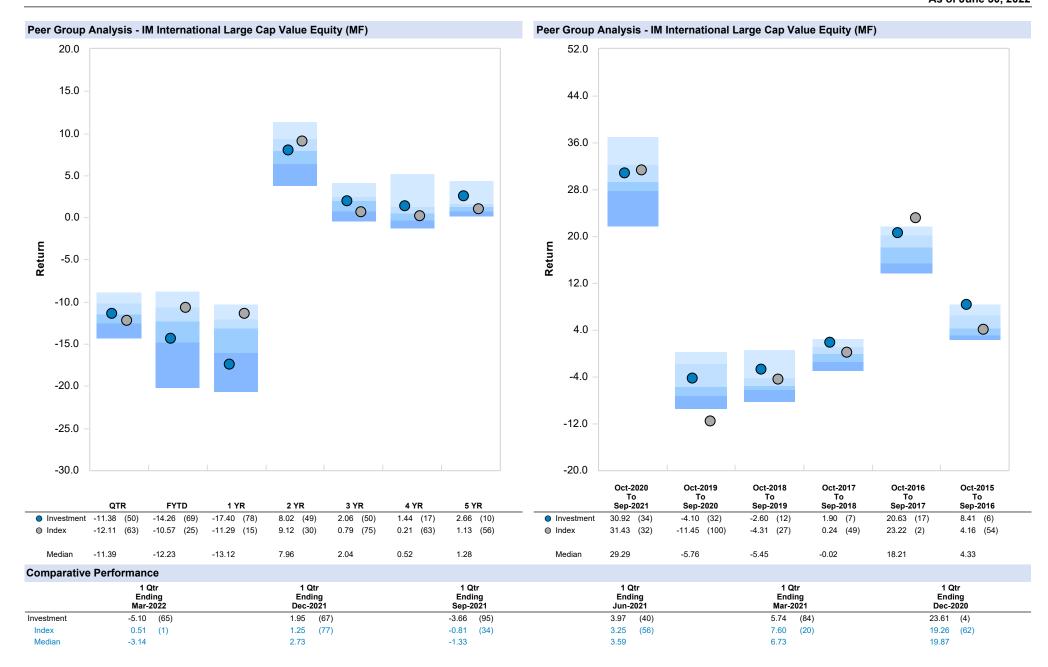


	Total Period	Total Period 5-25 Count		Median-75 Count	75-95 Count	
Investment	17	16 (94%)	1 (6%)	0 (0%)	0 (0%)	
Index	20	2 (10%)	12 (60%)	5 (25%)	1 (5%)	



Investment

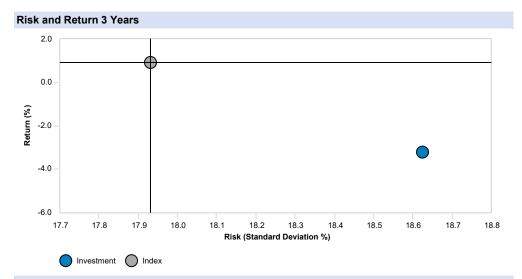
\_\_ Index

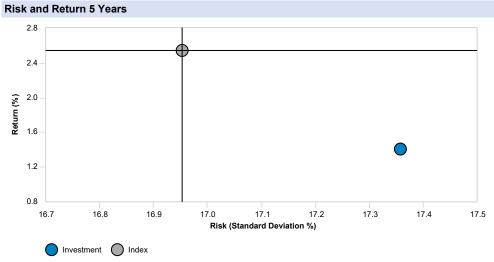




<b>Historical Stati</b>	stics 3 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	-3.21	18.62	-0.11	94.12	6	111.19	6
Index	0.92	17.93	0.11	100.00	6	100.00	6

Historical Statistics 5 Years										
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters			
Investment	1.41	17.36	0.10	97.40	11	101.90	9			
Index	2.55	16.95	0.17	100.00	11	100.00	9			







5 Y	ear Ro	lling Pe	ercentile	Rank IM	Emergi	ng Marke	ts Equit	y (SA+CI	F)		
	0.0						_				
ntile Rank	25.0 –					_/			<u> </u>		
Return Percentile Rank	50.0 –		A ROWN WAY						1	· · · · · · · ·	
œ	75.0 –										
		9/17	3/18	9/18	3/19	9/19	3/20	9/20	3/21	9/21	6/22

	Total Period	5-25 Count		25-Median Count		Median-75 Count		75-95 Count		
Investment	20	10	(50%)	4	(20%)	4	(20%)	2	(10%)	
Index	20	0	(0%)	10	(50%)	10	(50%)	0	(0%)	

	Total Period	5-25 Count	Count	Count	Count	
Investment	19	3 (16%)	12 (63%)	2 (11%)	2 (11%)	
Index	20	0 (0%)	4 (20%)	15 (75%)	1 (5%)	







## Risk / Reward Historical Statistics 3 Years Ending June 30, 2022 2.0 0.0 -2.0 -4.0 -6.0 **Invesco Emerging Markets Equity MSCI Emerging Markets Index** Alpha -3.93 0.00 Beta 1.03 1.00 Sharpe Ratio -0.02 0.14

## Risk / Reward Historical Statistics 5 Years Ending June 30, 2022



	Invesco Emerging Markets Equity	MSCI Emerging Markets Index
■ Alpha	-1.01	0.00
■ Beta	1.02	1.00
Sharpe Ratio	0.12	0.17
Treynor Ratio	0.03	0.04

## Index Relative Historical Statistics 3 Years Ending June 30, 2022

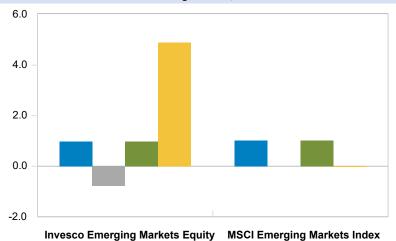
-0.01

0.98

-0.79

0.96

4.89



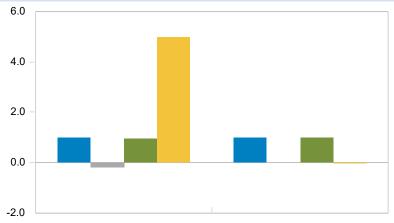
0.03

1.00 N/A

1.00

0.00

## Index Relative Historical Statistics 5 Years Ending June 30, 2022



	Invesco Emerging Markets Equity	MSCI Emerging Markets Index
Actual Correlation	0.97	1.00
Information Ratio	-0.18	N/A
R-Squared	0.95	1.00
Tracking Error	5.01	0.00

Benchmark: MSCI Emerging Markets Index

Actual Correlation

Information Ratio

R-Squared

Tracking Error

Treynor Ratio







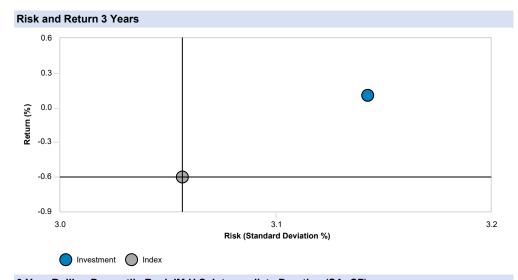


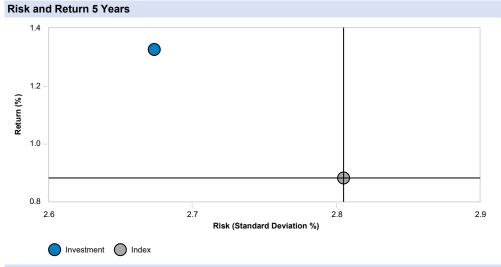
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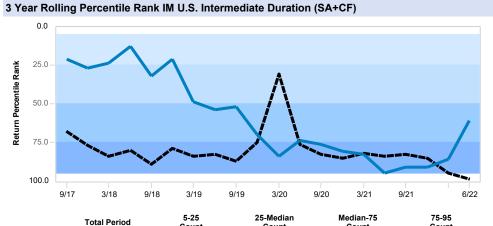


<b>Historical Stati</b>	stics 3 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	0.11	3.14	-0.15	107.65	7	88.93	5
Index	-0.60	3.06	-0.39	100.00	8	100.00	4

Historical Statistics 5 Years								
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters	
Investment	1.33	2.67	0.10	95.07	14	79.46	6	
Index	0.88	2.80	-0.07	100.00	14	100.00	6	







Count

3 (15%)

1 (5%)

Count

8 (40%)

17 (85%)

Count

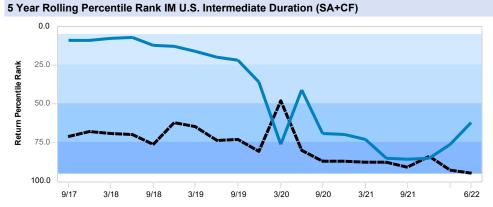
5 (25%)

2 (10%)

Count

4 (20%)

0 (0%)



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count	
Investment	20	9 (45%)	2 (10%)	4 (20%)	5 (25%)	
Index	20	0 (0%)	1 (5%)	8 (40%)	11 (55%)	

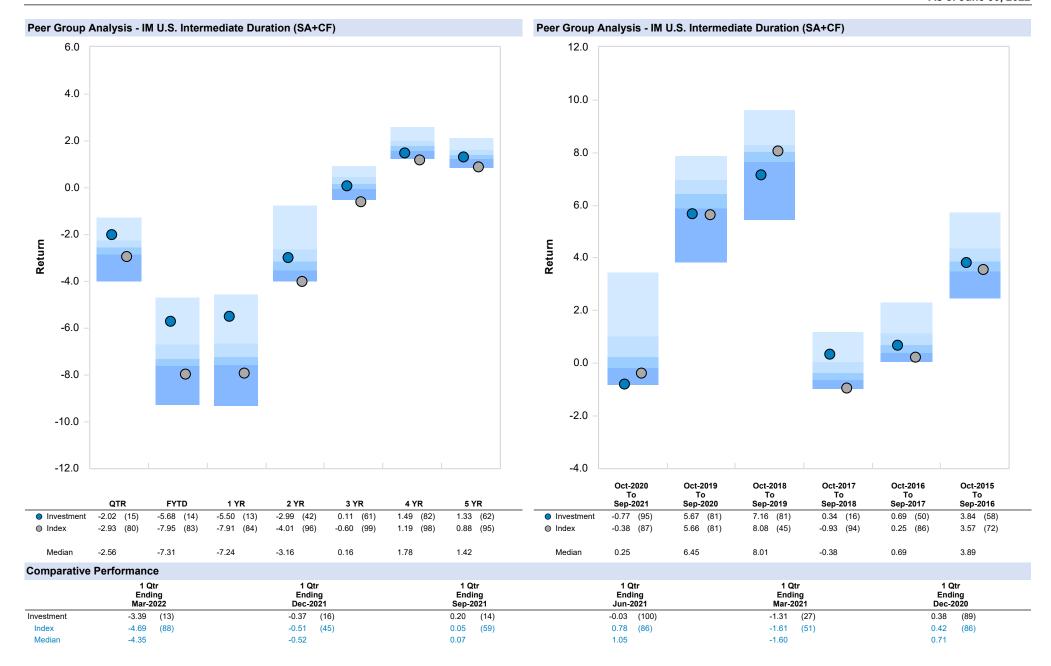


Investment

\_\_ Index

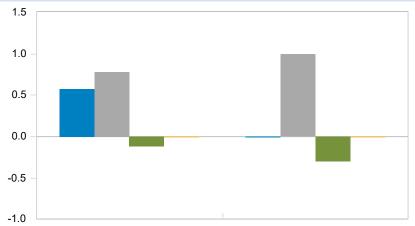
20

20



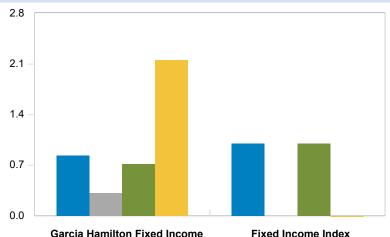


# Risk / Reward Historical Statistics 3 Years Ending June 30, 2022



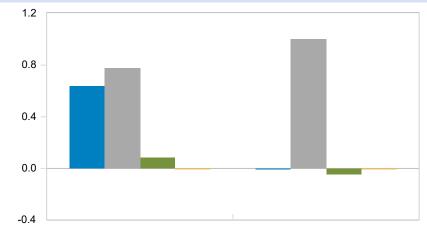
	Garcia Hamilton Fixed Income	Fixed Income Index
■ Alpha	0.58	0.00
Beta	0.78	1.00
Sharpe Ratio	-0.13	-0.30
Treynor Ratio	-0.01	-0.01

## Index Relative Historical Statistics 3 Years Ending June 30, 2022



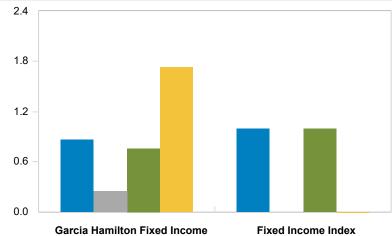
	Garcia Hamilton Fixed Income	Fixed Income Index
Actual Correlation	0.84	1.00
Information Ratio	0.32	N/A
R-Squared	0.71	1.00
Tracking Error	2.16	0.00

# Risk / Reward Historical Statistics 5 Years Ending June 30, 2022



	Garcia Hamilton Fixed Income	Fixed Income Index
Alpha	0.64	0.00
Beta	0.77	1.00
Sharpe Ratio	0.09	-0.05
Treynor Ratio	0.00	0.00

# Index Relative Historical Statistics 5 Years Ending June 30, 2022



	Garcia Hammon Fixed income	rixeu ilicollie il
Actual Correlation	0.87	1.00
Information Ratio	0.25	N/A
R-Squared	0.76	1.00
Tracking Error	1.74	0.00

Benchmark: Garcia Hamilton Fixed Inc Index

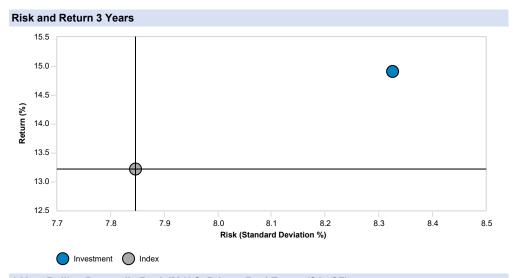


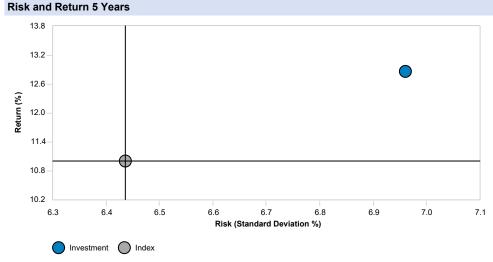
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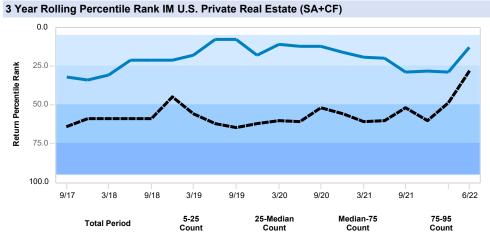


Historical Stati	stics 3 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	14.91	8.33	1.64	108.40	11	1.54	1
Index	13.23	7.85	1.54	100.00	11	100.00	1

Historical Statistics 5 Years							
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	12.87	6.96	1.61	113.39	19	1.54	1
Index	11.01	6.44	1.48	100.00	19	100.00	1







14 (70%)

0 (0%)

Count

6 (30%)

3 (15%)

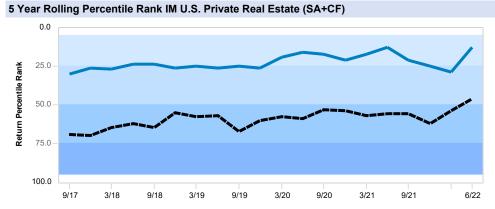
Count

0 (0%)

17 (85%)

0 (0%)

0 (0%)



	Total Period	5-2 Cou		25-Me Cou		Media Cou		75-9 Cou		
Investment	20	13	(65%)	7	(35%)	0	(0%)	0	(0%)	
Index	20	0	(0%)	1	(5%)	19	(95%)	0	(0%)	



Investment

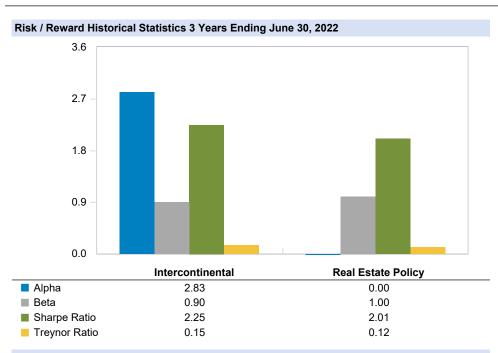
\_\_ Index

20

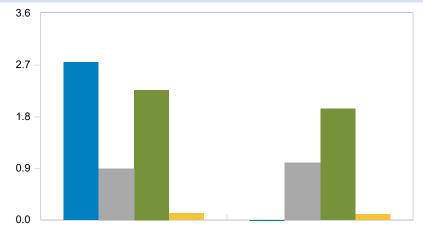
20





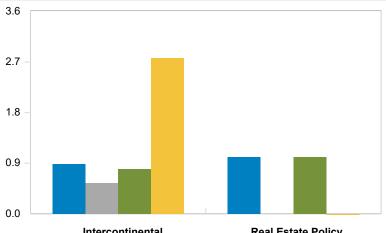


# Risk / Reward Historical Statistics 5 Years Ending June 30, 2022



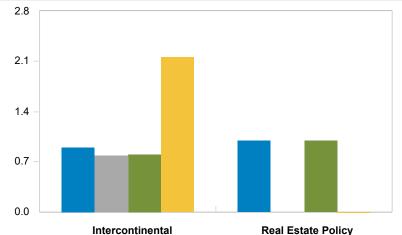
	Intercontinental	Real Estate Policy
Alpha	2.76	0.00
Beta	0.90	1.00
Sharpe Ratio	2.27	1.93
Treynor Ratio	0.12	0.10

# Index Relative Historical Statistics 3 Years Ending June 30, 2022



0.0		
	Intercontinental	Real Estate Policy
Actual Correlation	0.89	1.00
Information Ratio	0.55	N/A
■ R-Squared	0.79	1.00
Tracking Error	2.77	0.00

## Index Relative Historical Statistics 5 Years Ending June 30, 2022



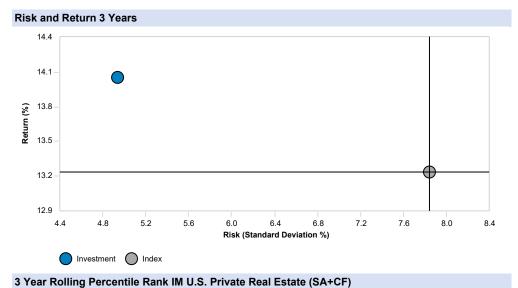
	intercontinental	itoui Estato i o
Actual Correlation	0.90	1.00
Information Ratio	0.79	N/A
R-Squared	0.80	1.00
Tracking Error	2.16	0.00

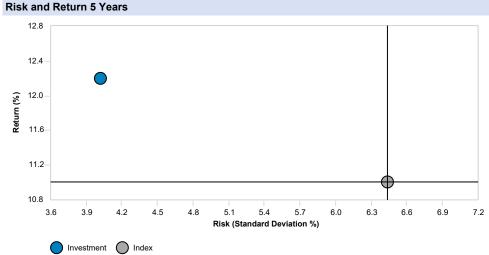
Benchmark: Real Estate Policy

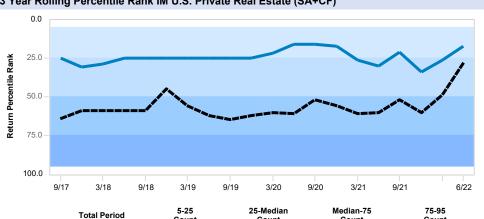


<b>Historical Stati</b>	stics 3 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	14.05	4.94	2.55	105.23	11	132.46	1
Index	13.23	7.85	1.54	100.00	11	100.00	1

Historical Statistics 5 Years							
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	12.20	4.02	2.58	109.52	19	132.46	1
Index	11.01	6.44	1.48	100.00	19	100.00	1







Count

6 (30%)

3 (15%)

Count

0 (0%)

0 (0%)

Count

0 (0%)

17 (85%)

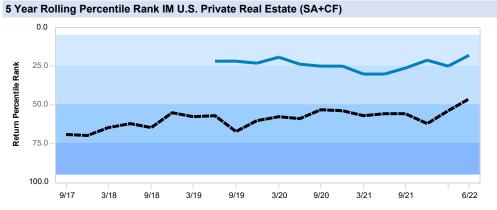
Count

14 (70%)

0 (0%)

20

20

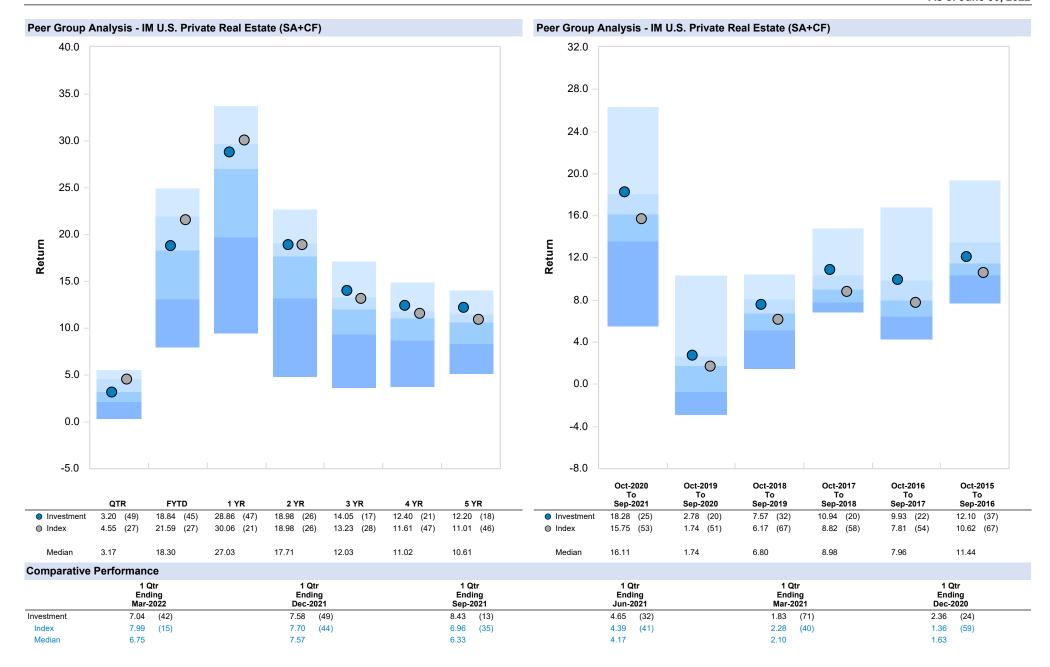


	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count	
Investment	13	10 (77%)	3 (23%)	0 (0%)	0 (0%)	
Index	20	0 (0%)	1 (5%)	19 (95%)	0 (0%)	



Investment

\_\_ Index





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 Gl 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	30.00 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:	\$9,716,300
Market Value:	\$13,707,127
Inception Date:	05/16/2018
Incontion IDD:	
Inception IRR:	39.0
TVPI:	39.0 2.2





Type of Fund: Fund Of Funds Vintage Year:

**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%

2021

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:	\$4,200,000
Management Fees:	-
Expenses:	-
Interest:	-
Total Contributions:	\$4,200,000
Remaining Capital Commitment:	\$7,837,347
Total Distributions:	\$37,347
Market Value:	\$5,891,164
Inception Date:	06/03/2021
Inception IRR:	60.1
TVPI:	1.4





As of June 30, 2022

**Fund Information** 

Type of Fund: Partnership Vintage Year:

Strategy Type: Other 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

2017

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

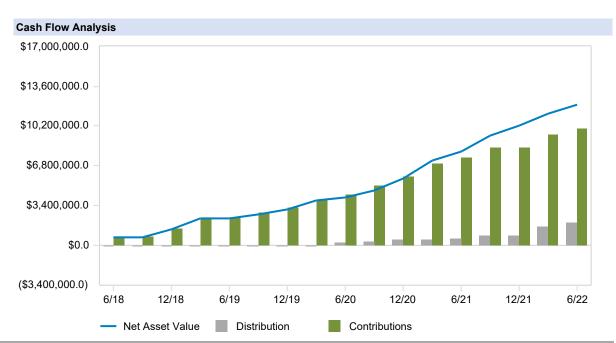
**General Partner:** 

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:	\$9,803,813
Management Fees:	\$134,319
Expenses:	\$27,881
Interest:	\$4,420
Total Contributions:	\$9,970,433
Remaining Capital Commitment:	\$2,519,216
Total Distributions:	\$1,967,161
Market Value:	\$12.043.650
Market value.	\$12,043,030
Inception Date:	05/18/2018
Inception IRR:	18.9
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

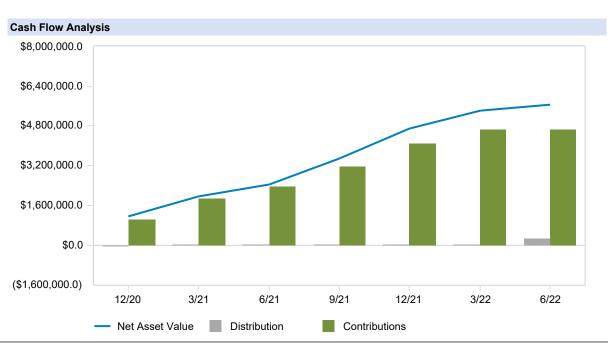
Investment Strategy: PEG Global Private Equity IX, a continuation of our Global Private Equity strategy, is expected to be a diversified global private equity portfolio comprised of both corporate finance and

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.

#### **Cash Flow Summary Capital Committed:** \$12,000,000 Capital Invested: \$4,607,249 **Management Fees:** \$54,231 **Expenses:** \$126 Interest: **Total Contributions:** \$4,661,606 Remaining Capital Commitment: \$7,611,513 **Total Distributions:** \$277.354 Market Value: \$5.657.813 Inception Date: 11/06/2020 Inception IRR: 26.2 TVPI: 1.3





Target IRR:

Type of Fund: Fund Of Funds

Strategy Type:

Buyouts

Vintage Year: Management Fee:

Years 1-4 = 80bps on committed capital; years 5-7 = 60bps on net invested

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

Inception: 03/08/2019

2019

**General Partner:** 

8.0% 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.

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:	\$3,360,000
Management Fees:	-
Expenses:	-
Interest:	\$47,603
Total Contributions:	\$3,407,603
Remaining Capital Commitment:	\$8,640,000
Total Distributions:	\$85,182
Market Value:	\$3,453,983
Inception Date:	04/07/2020
Inception IRR:	3.0
TVPI:	1.0





	% of Portfolio	Market Value (\$)	Estimated Annual Fee (\$)	Estimated Annual Fee (%)
otal Fund Composite	100.00	439,201,032	2,254,120	0.51
otal Equity Composite	53.40	234,545,365	846,688	0.36
otal Domestic Equity	40.82	179,276,761	633,207	0.35
humbLine Equity S&P 500	8.68	38,144,156	15,258	0.04
humbLine R1000 Value	2.47	10,867,120	4,347	0.04
humbLine R1000 Growth	1.98	8,676,587	3,471	0.04
humbLine S&P Mid Cap 400	4.64	20,361,913	8,145	0.04
nchor Equity	4.91	21,579,996	107,900	0.50
SGA Small-Mid Cap Equity (SSMKX)	3.87	17,017,230	13,614	0.08
arrow Hanley SCV	4.80	21,102,708	147,719	0.70
agle Equity	4.61	20,225,243	151,689	0.75
otal International & Emerging Equity	12.58	55,268,605	213,480	0.39
humbLine International Equity	4.85	21,298,721	8,519	0.04
anguard Intl Equity (VTRIX)	4.89	21,482,882	98,821	0.46
vesco Emerging Markets Equity	2.84	12,487,002	106,140	0.85
otal Fixed Income Composite	11.97	52,557,121	137,537	0.26
arcia Hamilton Fixed Income	8.37	36,749,489	73,499	0.20
azard Emerging Markets Debt Blend Fund L.P.	1.76	7,727,986	30,912	0.40
GIM Emerging Market Debt	1.84	8,079,647	33,127	0.41
otal Real Estate Composite	19.90	87,382,792	658,568	0.75
P. Morgan	6.55	28,754,239	3,594	0.01
tercontinental	12.78	56,113,723	617,251	1.10
ffiliated Housing Impact Fund LP	0.57	2,514,830	37,722	1.50
otal Private Equity	9.28	40,753,737	368,200	0.90
berdeen U.S. P.E. VII *	3.12	13,707,127	137,071	1.00
P Morgan Global P.E. VII *	2.74	12,043,650	108,393	0.90
aurus Private Markets Fund, LP *	0.79	3,453,983	27,632	0.80
P Morgan Global P.E. IX *	1.29	5,657,813	50,920	0.90
berdeen U.S. P.E. IX *	1.34	5,891,164	44,184	0.75
otal Alternatives	4.17	18,313,697	228,921	1.25
nTrust Global Special Opp Fd	4.17	18,313,697	228,921	1.25



 $<sup>\</sup>ensuremath{^{\star}}$  See PE Fund Overview pages for more details on fees.

Markets (Net)

Index

18.3 %

Aggregate Ex USD

10.1 %

MSCI EAFE

(Net) Index

7.8 %

Russell 1000 Value Index

2.8 %

MSCI EAFE

(Net) Index

11.3 %

Russell 2000

Growth Index 2.8 %

Aggregate Index

MSCI Emerging

Markets (Net)

Index

-2.5 %

Aggregate Ex USD -7.1 %

MSCI EAFE

(Net) Index

22.0 %

MSCI Emerging

Markets (Net)

Index

18.4 %

Aggregate Inde

Aggregate Ex USD

5.1 %

2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	YTD
Blmbg. U.S. Aggregate Index 5.2 %	MSCI Emerging Markets (Net) Index 78.5 %	Russell 2000 Growth Index 29.1 %	NCREIF Fund Index-ODCE (EW) (Net) 15.0 %	MSCI Emerging Markets (Net) Index 18.2 %	Russell 2000 Growth Index 43.3 %	S&P 500 Index 13.7 %	NCREIF Fund Index-ODCE (EW) (Net) 14.2 %	Russell 2000 Value Index 31.7 %	MSCI Emerging Markets (Net) Index 37.3 %	NCREIF Fund Index-ODCE (EW) (Net) 7.3 %	Russell 1000 Growth Index 36.4 %	Russell 1000 Growth Index 38.5 %	S&P 500 Index 28.7 %	NCREIF Fun Index-ODCE (EW) (Net) 12.5 %
Bloomberg Global Aggregate Ex USD 4.4 %	Blmbg. U.S. Corp High Yield 58.2 %	Russell 2000 Index 26.9 %	Blmbg. U.S. Aggregate Index 7.8 %	Russell 2000 Value Index 18.1 %	Russell 2000 Index 38.8 %	Russell 1000 Value Index 13.5 %	Russell 1000 Growth Index 5.7 %	Russell 2000 Index 21.3 %	Russell 1000 Growth Index 30.2 %	Blmbg. U.S. Aggregate Index 0.0 %	S&P 500 Index 31.5 %	Russell 2000 Growth Index 34.6 %	Russell 2000 Value Index 28.3 %	Blmbg. U.S Aggregate Inc -10.3 %
NCREIF Fund Index-ODCE (EW) (Net) -11.1 %	Russell 1000 Growth Index 37.2 %		Blmbg. U.S. Corp High Yield 5.0 %	Russell 1000 Value Index 17.5 %		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 %	Russell 100 Value Inde -12.9 %
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.: Corp High Y -14.2 %
Russell 2000	MSCI EAFE	Russell 1000	Russell 1000	Russell 2000	Russell 1000	Blmbg. U.S.	MSCI EAFE	S&P 500 Index	COD FOO Inday	Bloomberg Global	Russell 2000	MSCI Emerging	NCREIF Fund	Bloombe Global

(Net) Index

-0.8 %

Russell 2000

Growth Index

Russell 1000 Value Index

Aggregate Ex USD

-6.0 %

MSCI Emerging

Markets (Net)

Index

-14.9 %

-1.4 %

Russell 2000

Growth Index

MSCI Emerging

Markets (Net)

-2.2 %

Global

Aggregate Ex

MSCI EAFE

(Net) Index

-4.9 %

S&P 500 Index

12.0 %

Russell 2000

MSCI Emerging

Markets (Net)

Index

11.2 %

Aggregate Index

Aggregate Ex

MSCI EAFE

(Net) Index

1.0 %

S&P 500 Index

21.8 %

13.7 %

Aggregate Ex USD

UŠD

S&P 500 Index

-4.4 %

-8.3 %

-9.3 %

MSCI EAFE

(Net) Index

-13.8 %

MSCI Emerging

Markets (Net)

Index

-14.6 %

Source: Investment Metrics

Worst

(Net) Index

31.8 %

S&P 500 Index

26.5 %

Russell 1000

Value Index 19.7 %

Bloombera

Aggregate Ex USD

S&P 500 Index

Russell 2000

**Growth Index** 

MSCI EAFE

(Net) Index

-43.4 %

MSCI Emerging Markets (Net)

Index

-53.3 %

Russell 1000

Value Index 15.5 %

S&P 500 Index

15.1 %

MSCI EAFE

(Net) Index 7.8 %

Aggregate Ex USD

S&P 500 Index

2.1 %

Russell 1000 Value Index

0.4 %

-2.9 %

MSCI EAFE

(Net) Index

-12.1 %

MSCI Emerging

Markets (Net)

Index

-18.4 %

S&P 500 Index

16.0 %

rowth inc 15.3 %

Russell 2000

Growth Index 14.6 %

Aggregate Ex

4.1 %

S&P 500 Index

32.4 %

MSCI EAFE

(Net) Index

22.8 %

MSCI Emerging

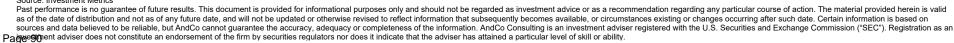
Markets (Net)

Index

-2.6 %

Aggregate Ex

USD -3.1 %





Russell 2000

Growth Index

-29.5 %

Aggregate Ex

MSCI Emerging

Markets (Net)

Index

-17.6 %

MSCI EAFE

(Net) Index

-19.6 %

S&P 500 Index

-20.0 %

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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