Investment Performance Review Period Ending December 31, 2022

The Woodlands Firefighters' Retirement System



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

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

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

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

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

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

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

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

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

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

Mike Welker, CFA®



Organizational Chart

Jason Purdy

Jon Breth, CFP®

Steve Gordon

CIPM®, CAIA®

Trov Brown, CFA®

Tyler Grumbles, CFA®,



PARTNERSHIP

Mike Welker, CFA® **Brian Green**

Brooke Wilson, CIPM® Kerry Richardville, CFA® Bryan Bakardjiev, CFA® Kim Spurlin, CPA

Dan Johnson Dan Osika, CFA®

Evan Scussel, CFA®. **CAIA®**

Jacob Peacock, CPFA

LEADERSHIP & MANAGEMENT

Mike Welker, CFA® CEO

Bharat Kumta

Bryan Bakardjiev, CFA®

Evan Scussel, CFA®, **CAIA®**

Executive Director of Research

Kim Spurlin, CPA CFO

Sara Searle CCO

Stacie Runion CHRO

Steve Gordon Solutions & Growth Director

Troy Brown, CFA® Executive Director

of Consultina

Brooke Wilson, CIPM®

Executive Director of Performance Reporting

Dan Johnson Consulting Director

Jack Evatt Consulting Director

Jacob Peacock, CPFA Consulting Director

Jason Purdy I.T. Director

Director

Molly Halcom Solutions & Growth

Philip Schmitt Research Director

Rachel Brignoni, MHR People & Culture Director

INVESTMENT POLICY COMMITTEE

Bryan Bakardjiev, CFA Mike Welker. CFA®

Sara Searle Trov Brown, CFA®

CONSULTING **Annette Bidart**

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Brendon Vavrica, CFP®

Brian Green

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

Dave West, CFA®

Doug Anderson, CPFA **Frank Burnette**

Gwelda Swilley

Ian Jones

James Ross

Jeff Kuchta, CFA®, CPFA

Jennifer Brozstek

Jennifer Gainfort, CFA®, **CPFA**

John Mellinger

John Thinnes, CFA®, CAIA®, CPFA

Jon Breth, CFP®

Jorge Friguls, CPFA

Justin Lauver, Esq.

Kerry Richardville, CFA®

Mary Nye

Michael Fleiner

Michael Holycross

Mike Bostler

Oleg Sydyak, CFA®, FSA,

EA

Paul Murray, CPFA

Peter Brown

Tim Walters

Tony Kay

Tyler Grumbles, CFA®, CIPM®, CAIA®

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Bob Bulas David Gough, CPFA

Don Delanev

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Allen Caldwell Kelly Pearce Thay Arroyo **Shelley Berthold**

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Dan Lomelino, CFA®

Fixed Income

David Julier Real Estate & Real Assets

Elizabeth Wolfe

Capital Markets & Asset Allocation

Evan Scussel, CFA®, CAIA®

Private & Public Equity

Joseph Ivaszuk

Operational Due Diligence

Josue Christiansen, CFA®, CIPM®

Public Equity

Julie Baker, CFA®, CAIA®

Private & Hedged Equity

Justin Ellsesser, CFA®, CAIA®

Private Equity

Kevin Laake, CFA®, CAIA®

Private Equity

Michael Kosoff Hedge Funds

Philip Schmitt

Fixed Income & Capital Markets

Ryan McCuskey

Real Estate & Real Assets

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

Zac Chichinski, CFA®, CIPM®

Public Equity



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

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



4th Quarter 2022 Market Environment



The Economy

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

Equity (Domestic and International)

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

Fixed Income

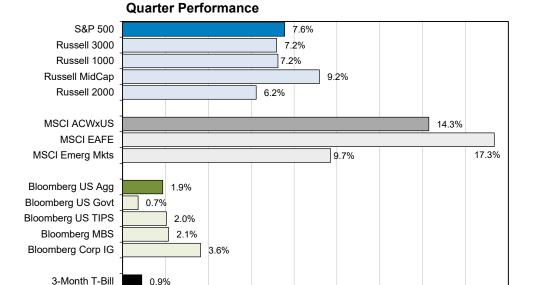
- While inflation declined during the 4th quarter, the Fed continued increasing interest rates with two increases totaling 1.25%. Despite the short-term increases, long-term interest rates remained relatively stable during the period. US interest rates moved slightly higher during the quarter with the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

Market Themes

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



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



1-Year Performance

4.0%

6.0%

8.0%

10.0%

12.0%

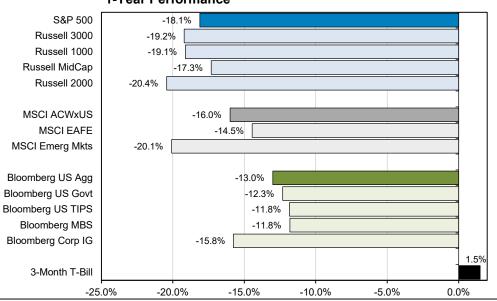
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16.0%

18.0%

2.0%

0.0%



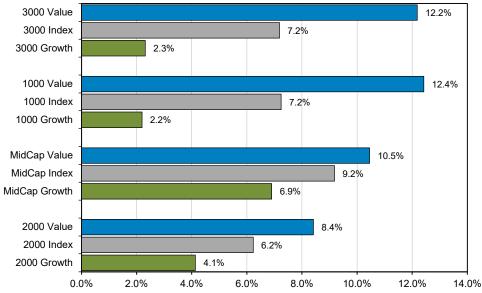
Source: Investment Metrics



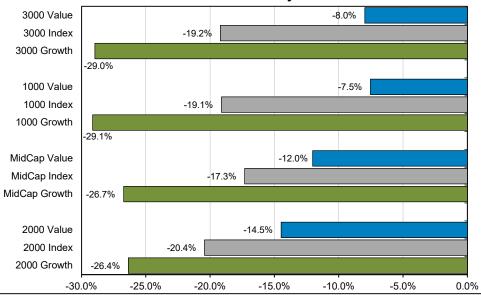
- Despite a pullback in December, equity markets broadly experienced strong absolute returns during the 4th quarter across both the style and market capitalization spectrums. With concerns about the potential for slowing economic conditions, large cap stocks resumed their leadership, followed by mid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

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

Quarter Performance - Russell Style Series



1-Year Performance - Russell Style Series

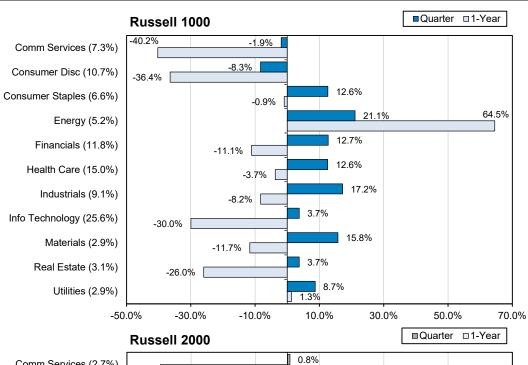


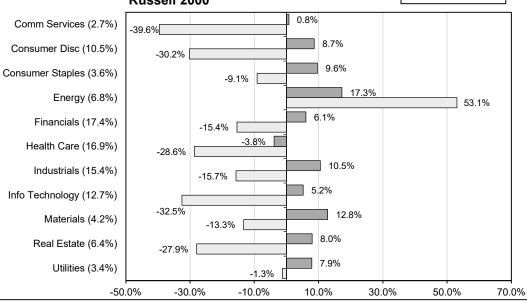
Source: Investment Metrics



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

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





Source: Morningstar Direct



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

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

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

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

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

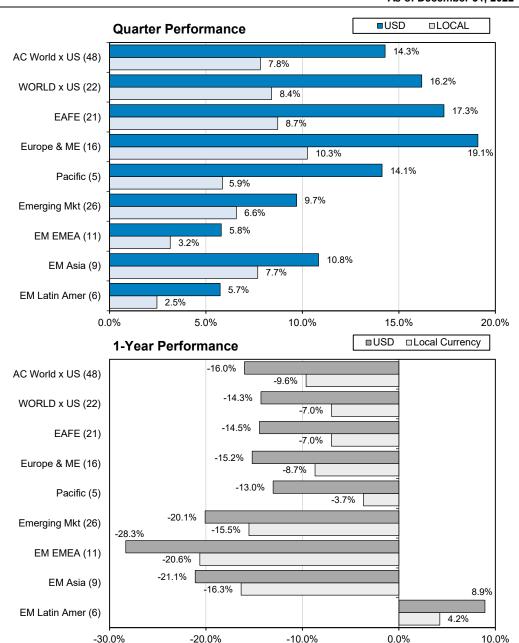
Botton	Bottom 10 Performing Stocks (by Quarter)						
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector			
Tricida Inc	0.0%	-98.5%	-98.4%	Health Care			
Relmada Therapeutics Inc	0.0%	-90.6%	-84.5%	Health Care			
Avaya Holdings Corp	0.0%	-87.7%	-99.0%	Information Technology			
Instil Bio Inc	0.0%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

Source: Morningstar Direct



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

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



Source: MSCI Global Index Monitor (Returns are Net)



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

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

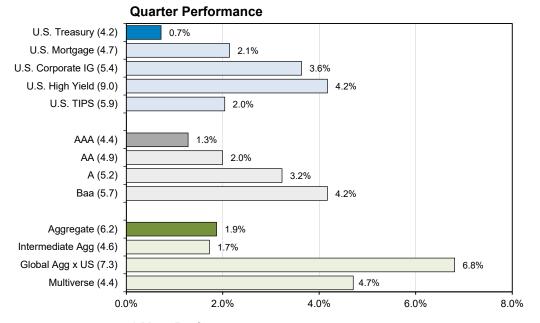
MSCI - Emerging Mkt	Sector Weight	Quarter Return	1-Year Return
Communication Services	8.9%	58.8%	1.8%
Consumer Discretionary	4.9%	46.2%	5.6%
Consumer Staples	22.1%	77.4%	48.9%
Energy	9.9%	92.9%	40.2%
Financials	6.1%	44.6%	24.5%
Health Care	4.1%	53.5%	3.8%
Industrials	6.4%	49.7%	18.8%
Information Technology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

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

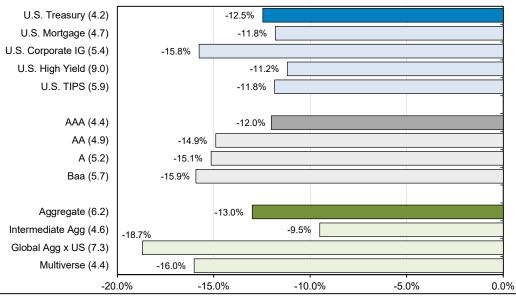
Source: Morningstar Direct, MSCI Global Index Monitor (Returns are Net in USD)



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



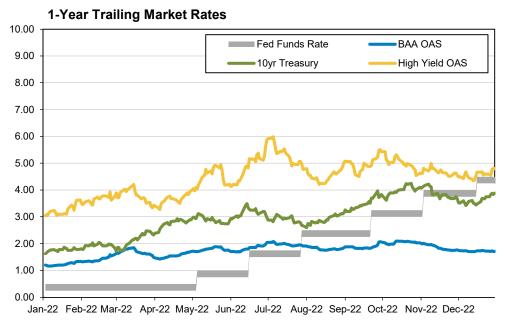
1-Year Performance

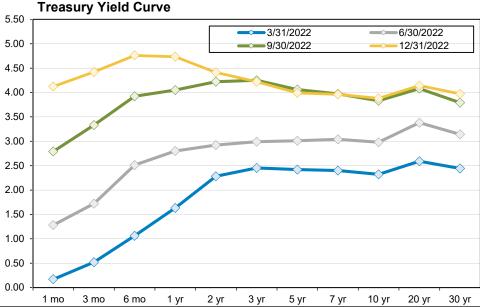


Source: Bloomberg



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





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

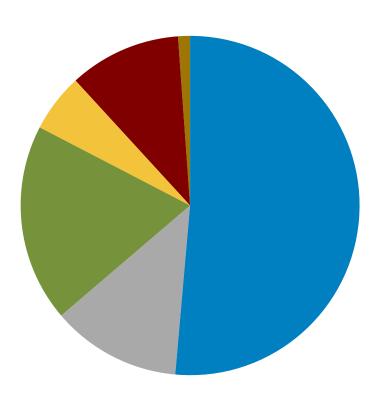


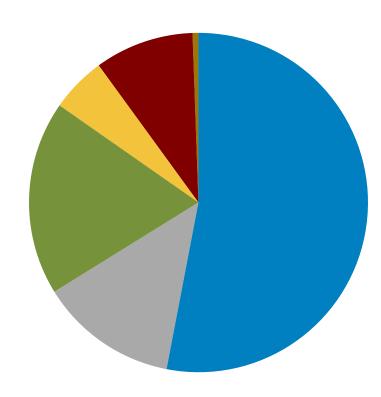
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Asset Allocation By Segment as of September 30, 2022 : \$52,622,468

Asset Allocation By Segment as of December 31, 2022 : \$56,224,827



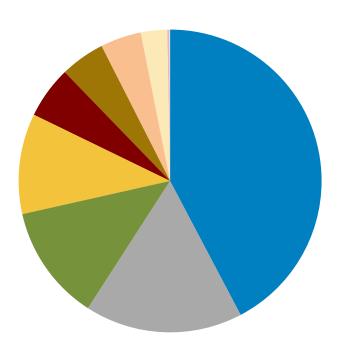


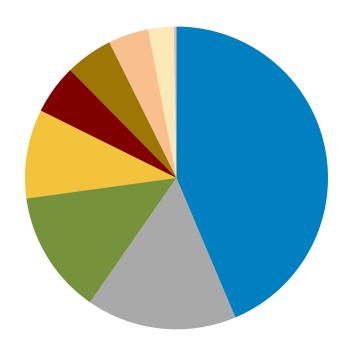
location			Allocation		
Segments	Market Value	Allocation	Segments	Market Value	Allocation
■ Domestic Equity	27,045,781	51.4	■ Domestic Equity	29,810,099	53.0
■ International Equity	6,503,680	12.4	International Equity	7,400,184	13.2
■ Domestic Fixed Income	9,926,457	18.9	Domestic Fixed Income	10,410,745	18.5
Other Fixed Income	2,924,502	5.6	Other Fixed Income	2,970,414	5.3
■ Real Estate	5,619,568	10.7	Real Estate	5,315,341	9.5
Cash Equivalent	602,480	1.1	Cash Equivalent	318,044	0.6



Asset Allocation By Manager as of Sep-2022 : \$52,622,468

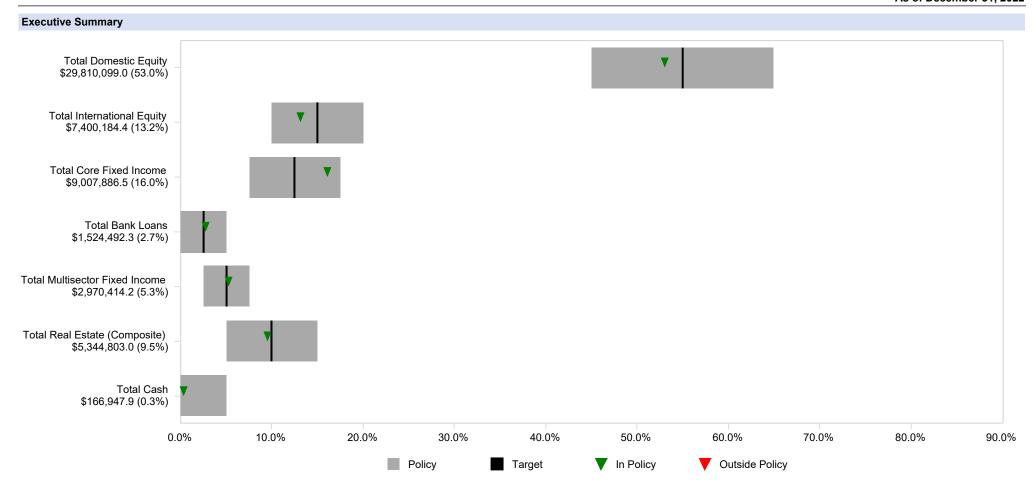
Asset Allocation By Manager as of Dec-2022 : \$56,224,827





ocation			Allocation		
	Market Value	Allocation		Market Value	Allocation
■ Vanguard Total Stock Index (VITSX)	22,252,842	42.3	■ Vanguard Total Stock Index (VITSX)	24,539,780	43.6
■ Garcia Hamilton	8,856,216	16.8	■ Garcia Hamilton	9,007,886	16.0
■ EuroPacific Growth R6 (RERGX)	6,503,680	12.4	EuroPacific Growth R6 (RERGX)	7,400,184	13.2
Clarion (Core Real Estate)	5,650,001	10.7	Clarion (Core Real Estate)	5,344,803	9.5
■ Apollo Total Return Fund	2,924,502	5.6	Apollo Total Return Fund	2,970,414	5.3
■ American Beacon SC Value R6 (AASRX)	2,503,896	4.8	American Beacon SC Value R6 (AASRX)	2,848,229	5.1
Conestoga Small Cap I (CCALX)	2,289,043	4.3	Conestoga Small Cap I (CCALX)	2,422,090	4.3
Pacific Funds Floating Rate (PLFRX)	1,483,914	2.8	Pacific Funds Floating Rate (PLFRX)	1,524,492	2.7
Mutual Fund Cash	100,785	0.2	Mutual Fund Cash	163,522	0.3
Frost Bank Cash Account	57,589	0.1	Frost Bank Cash Account	3,426	0.0

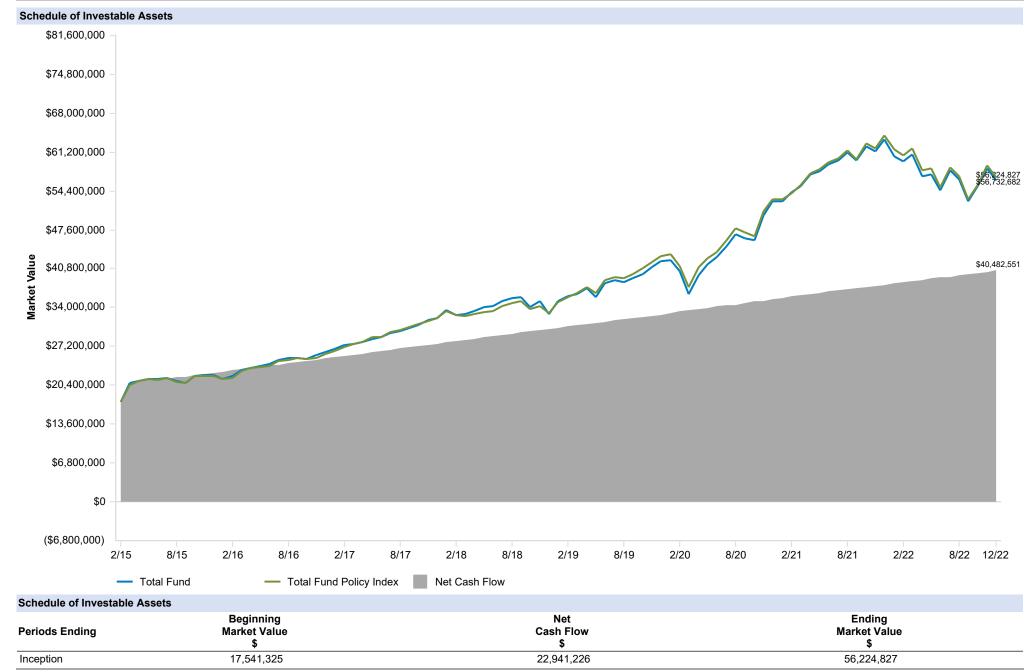




Asset Allocation Compliance						
	Asset Allocation \$	Current Allocation (%)	Minimum Allocation (%)	Maximum Allocation (%)	Target Allocation (%)	Target Rebal. (\$000)
Total Fund	56,224,827	100.0	N/A	N/A	100.0	-
Total Domestic Equity	29,810,099	53.0	45.0	65.0	55.0	1,113,556
Total International Equity	7,400,184	13.2	10.0	20.0	15.0	1,033,540
Total Core Fixed Income	9,007,886	16.0	7.5	17.5	12.5	-1,979,783
Total Bank Loans	1,524,492	2.7	0.0	5.0	2.5	-118,872
Total Multisector Fixed Income	2,970,414	5.3	2.5	7.5	5.0	-159,173
Total Real Estate (Composite)	5,344,803	9.5	5.0	15.0	10.0	277,680
Total Cash	166,948	0.3	0.0	5.0	0.0	-166,948

Overweight to Multisector fixed income is in line with proposed IPS update.







1 Quarter Ending December 31, 2022

Financial Reconciliation One Quarter	Market Value	Net			Management	Other		Apprec./	Market Value
	10/01/2022	Transfers	Contributions	Distributions	Fees	Expenses	Income	Deprec.	12/31/2022
Total Fund	52,622,468	-	790,967	-74,217	-27,594	-32,975	415,270	2,530,907	56,224,827
Total Domestic Equity	27,045,781	700,000	-	-	-	-	160,761	1,903,557	29,810,099
Vanguard Total Stock Index (VITSX)	22,252,842	700,000	-	-	-	-	116,434	1,470,505	24,539,780
American Beacon SC Value R6 (AASRX)	2,503,896	-	-	-	-	-	44,327	300,006	2,848,229
Conestoga Small Cap I (CCALX)	2,289,043	-	-	-	-	-	-	133,047	2,422,090
Total International Developed Equity	6,503,680	-	-	-	-	-	107,537	788,968	7,400,184
EuroPacific Growth R6 (RERGX)	6,503,680	-	-	-	-	-	107,537	788,968	7,400,184
Total Core Fixed Income	8,856,216	-	-	-	-12,166	-686	74,542	89,980	9,007,886
Garcia Hamilton	8,856,216	-	-	-	-12,166	-686	74,542	89,980	9,007,886
Total Bank Loans	1,483,914	-	-	-	•	-	29,193	11,385	1,524,492
Pacific Funds Floating Rate (PLFRX)	1,483,914	-	-	-	-	-	29,193	11,385	1,524,492
Total Multisector Fixed Income	2,924,502	-20,974	-	-	-	•	-	66,886	2,970,414
Apollo Total Return Fund	2,924,502	-20,974	-	-	-	-	-	66,886	2,970,414
Total Real Estate	5,650,001	-	-	-	-15,428	-	40,099	-329,869	5,344,803
Clarion	5,650,001	-	-	-	-15,428	-	40,099	-329,869	5,344,803
Total Cash	158,373	-679,026	790,967	-74,217		-32,289	3,138		166,948
Frost Bank Cash Account	57,589	20,974	-	-74,217	-	-1,313	392	-	3,426
Mutual Fund Cash	100,785	-700,000	790,967	-	-	-30,976	2,746	-	163,522



The Woodlands Firefighters' Retirement System Financial Reconciliation

Year To Date Ending December 31, 2022

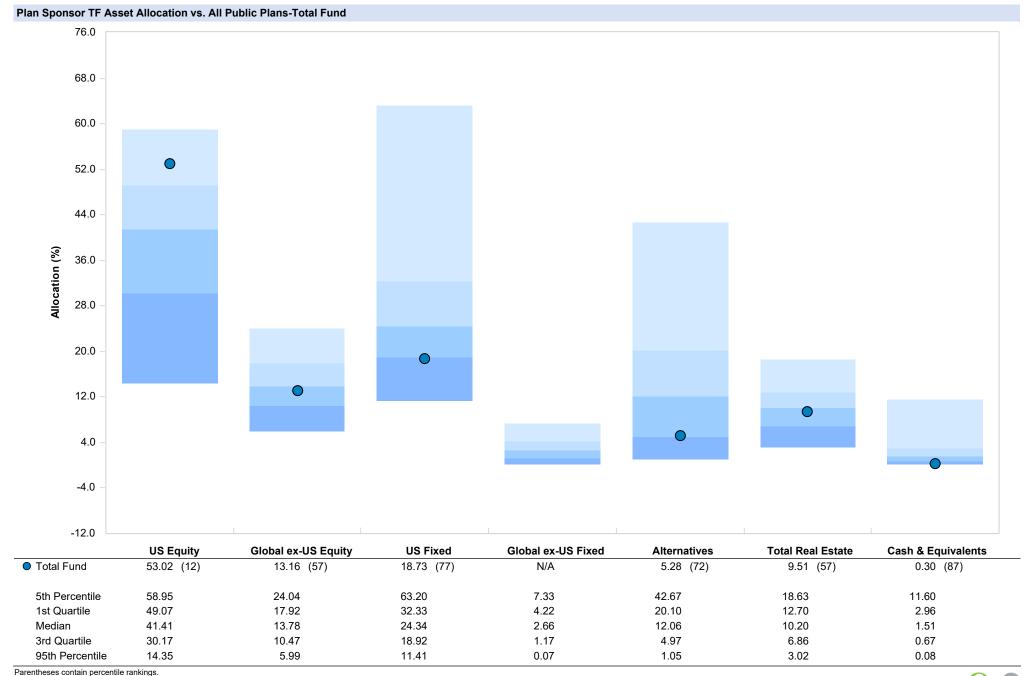
Financial Reconciliation Year to Date									
	Market Value 01/01/2022	Net Transfers	Contributions	Distributions	Management Fees	Other Expenses	Income	Apprec./ Deprec.	Market Value 12/31/2022
Total Fund	63,441,556	-	3,121,620	-354,304	-85,067	-169,400	1,133,294	-10,862,871	56,224,827
Total Domestic Equity	36,202,504	450,000	•	-	-	-	435,038	-7,277,443	29,810,099
Vanguard Total Stock Index (VITSX)	29,247,917	950,000	-	-	-	-	390,711	-6,048,848	24,539,780
American Beacon SC Value R6 (AASRX)	3,586,523	-500,000	-	-	-	-	44,327	-282,621	2,848,229
Conestoga Small Cap I (CCALX)	3,368,064	-	-	-	-	-	-	-945,974	2,422,090
Total International Developed Equity	8,485,942	950,000	-	-	-	-	147,141	-2,182,899	7,400,184
EuroPacific Growth R6 (RERGX)	8,485,942	950,000	-	-	-	-	147,141	-2,182,899	7,400,184
Total Core Fixed Income	12,116,613	-1,750,000	-		-26,654	-3,195	275,847	-1,604,725	9,007,886
Garcia Hamilton	12,116,613	-1,750,000	_	_	-26,654	-3,195	275,847	-1,604,725	9,007,886
	, ,	.,. 55,555			20,00	3,.33	0,0	.,00 .,. 20	0,00.,000
Total Bank Loans	1,536,887	-	-	-	-	-	83,485	-95,880	1,524,492
Pacific Funds Floating Rate (PLFRX)	1,536,887	-	-	-	-	-	83,485	-95,880	1,524,492
Total Multisector Fixed Income	-	2,961,192	-	-	-	-	17,834	-8,611	2,970,414
Apollo Total Return Fund	-	2,961,192	-	-	-	-	17,834	-8,611	2,970,414
Total Real Estate	4,927,376		-	-	-58,413	-	169,153	306,687	5,344,803
Clarion	4,927,376	-	-	-	-58,413	-	169,153	306,687	5,344,803
Total Cash	172,234	-2,611,192	3,121,620	-354,304	-	-166,205	4,795	-	166,948
Frost Bank Cash Account	30,383	331,974	-	-354,304	-	-5,257	630	-	3,426
Mutual Fund Cash	141,851	-2,943,166	3,121,620	-	-	-160,948	4,165	-	163,522



Asset Allocation & Performance										
	Allocation	n			All Pe	rformance Data	is Net of Fees	s(%)		
	Market Value	%	QTR	YTD	1 YR	2 YR	3 YR	5 YR	Inception	Inception Date
Total Fund (Net)	56,224,827	100.0	5.55 (56)	-15.28 (73)	-15.28 (73)	-1.15 (53)	4.57 (21)	5.34 (33)	5.54 (47)	03/01/2015
Total Fund Policy Index All Public Plans-Total Fund (Net)			6.01 (40) 5.69	-15.33 (73) -13.85	-15.33 (73) -13.85	-0.79 (45) -1.07	4.36 (25) 3.56	5.73 (18) 4.91	5.72 (38) 5.48	
New Portfolio Structure 10/1/19	56,224,827	100.0	5.55	-15.28	-15.28	-1.15	4.57	-	6.13	10/01/2019
Total Fund Policy Index			6.01	-15.33	-15.33	-0.79	4.36	5.73	6.04	
Total Equity	37,210,283	66.2	8.84	-19.87	-19.87	-1.86	5.47	6.50	7.26	03/01/2015
Total Domestic Equity	29,810,099	53.0	7.66	-19.20	-19.20	0.54	6.90		8.46	07/01/2019
Vanguard Total Stock Index (VITSX) CRSP U.S. Total Market TR Index IM U.S. Multi-Cap Core Equity (MF) Median	24,539,780	43.6	7.15 (64) 7.15 (64) 8.06	-19.51 (64) -19.49 (63) -18.37	-19.51 (64) -19.49 (63) -18.37	0.60 (58) 0.61 (57) 1.15	6.99 (38) 6.99 (38) 6.48	8.73 (-)	8.95 (34) 8.95 (35) 8.29	07/01/2019
American Beacon SC Value R6 (AASRX) Russell 2000 Value Index IM U.S. Small Cap Value Equity (MF) Median	2,848,229	5.1	13.75 (16) 8.42 (90) 11.70	-7.72 (27) -14.48 (96) -11.09	-7.72 (27) -14.48 (96) -11.09	8.77 (51) 4.73 (94) 8.78	7.17 (40) 4.70 (88) 6.79	4.13 (-)	8.51 (45) 6.29 (86) 8.39	07/01/2019
Conestoga Small Cap I (CCALX) Russell 2000 Growth Index IM U.S. Small Cap Growth Equity (MF) Median	2,422,090	4.3	5.81 (36) 4.13 (56) 4.46	-28.09 (54) -26.36 (44) -27.54	-28.09 (54) -26.36 (44) -27.54	-8.52 (36) -12.98 (66) -10.28	3.00 (56) 0.65 (83) 3.48	3.51 (-)	3.02 (67) 2.45 (73) 3.96	07/01/2019
Total International Developed Equity	7,400,184	13.2	13.78	-22.65	-22.65	-10.81	-0.09	-	2.24	07/01/2019
EuroPacific Growth R6 (RERGX) MSCI AC World ex USA (Net) IM International Large Cap Core Equity (MF) Median	7,400,184	13.2	13.78 (86) 14.28 (83) 17.09	-22.74 (100) -16.00 (61) -15.06	-22.74 (100) -16.00 (61) -15.06	-10.87 (100) -4.83 (69) -3.15	-0.16 (68) 0.07 (61) 0.82	0.88 (-)	2.18 (58) 2.01 (61) 2.49	07/01/2019

	Allocation	1	All Performance Data is Net of Fees(%)							
	Market Value	%	QTR	YTD	1 YR	2 YR	3 YR	5 YR	Inception	Inception Date
Total Fixed Income	13,502,793	24.0	1.96	-9.55	-9.55	-5.70	-1.63	0.33	0.74	03/01/2015
Total Core Fixed Income	9,007,886	16.0	1.72	-11.39	-11.39	-7.00	-2.35	-	-1.40	07/01/2019
Garcia Hamilton Blmbg. U.S. Aggregate Index IM U.S. Broad Market Core Fixed Income (SA+CF) Median	9,007,886	16.0	1.86 (44) 1.87 (42) 1.82	-11.15 (8) -13.01 (55) -12.95	-11.15 (8) -13.01 (55) -12.95	-6.76 (21) -7.45 (67) -7.27	-2.11 (43) -2.71 (90) -2.20	0.02 (-)	-1.16 (50) -1.65 (91) -1.17	07/01/2019
Total Bank Loans	1,524,492	2.7	2.73	-0.81	-0.81	1.86	1.77	-	2.27	07/01/2019
Pacific Funds Floating Rate (PLFRX) Credit Suisse Leveraged Loan Index IM U.S. Bank Loans (MF) Median	1,524,492	2.7	2.73 (43) 2.34 (66) 2.63	-0.81 (14) -1.06 (20) -2.22	-0.81 (14) -1.06 (20) -2.22	1.86 (20) 2.12 (12) 0.89	1.77 (17) 2.34 (2) 1.10	3.24 (-)	2.28 (17) 2.75 (4) 1.58	07/01/2019
Total Multisector Fixed Income	2,970,414	5.3	2.30	-	-	-	-	-	-1.40	04/01/2022
Apollo Total Return Fund Blmbg. Global Multiverse	2,970,414	5.3	2.30 4.71	- -16.01	- -16.01	- -10.44	<u>-</u> -4.37	- -1.57	-1.64 -10.60	04/01/2022
Total Real Estate	5,344,803	9.5	-5.13 (48)	9.63 (14)	9.63 (14)	15.81 (34)	11.09 (30)	-	10.87 (32)	10/01/2019
NCREIF Fund Index-ODCE (VW) IM U.S. Open End Private Real Estate (SA+CF) Median			-4.97 (40) -5.18	7.47 (41) 6.78	7.47 (41) 6.78	14.58 (42) 14.03	9.93 (45) 9.72	8.68 (-)	9.64 (44) 9.45	
Clarion NCREIF Fund Index-ODCE (VW) IM U.S. Open End Private Real Estate (SA+CF) Median	5,344,803	9.5	-5.13 (48) -4.97 (40) -5.18	9.63 (14) 7.47 (41) 6.78	9.63 (14) 7.47 (41) 6.78	15.81 (34) 14.58 (42) 14.03	11.09 (30) 9.93 (45) 9.72	8.68 (-)	10.87 (32) 9.64 (44) 9.45	10/01/2019
Total Cash	166,948	0.3	0.93	1.68	1.68	0.84	0.80	-	0.96	07/01/2019
Frost Bank Cash Account	3,426	0.0	0.86	1.66	1.66	0.84	0.79	-	0.92	07/01/2019
Mutual Fund Cash	163,522	0.3	0.94	1.69	1.69	0.82	0.77	-	0.95	07/01/2019



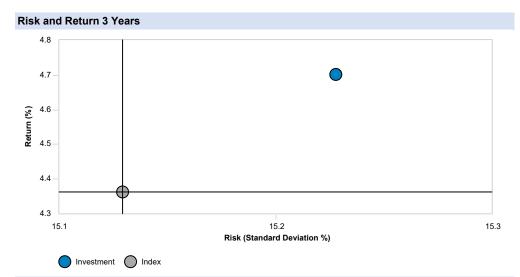


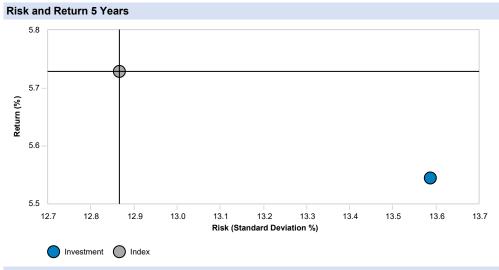
Calculation based on <Periodicity> periodicity.

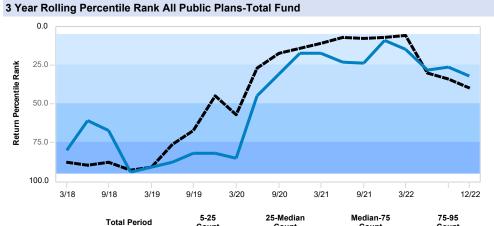


Historical Stati	stics 3 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	4.70	15.23	0.33	100.96	8	99.45	4
Index	4.36	15.13	0.31	100.00	8	100.00	4

Historical Stati	stics 5 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	5.54	13.59	0.37	104.16	14	106.51	6
Index	5.73	12.87	0.40	100.00	14	100.00	6







Count

5 (25%)

5 (25%)

Count

2 (10%)

2 (10%)

Count

7 (35%)

6 (30%)

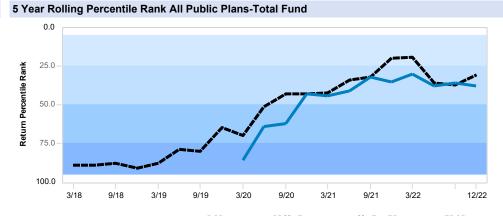
Count

6 (30%)

7 (35%)

20

20

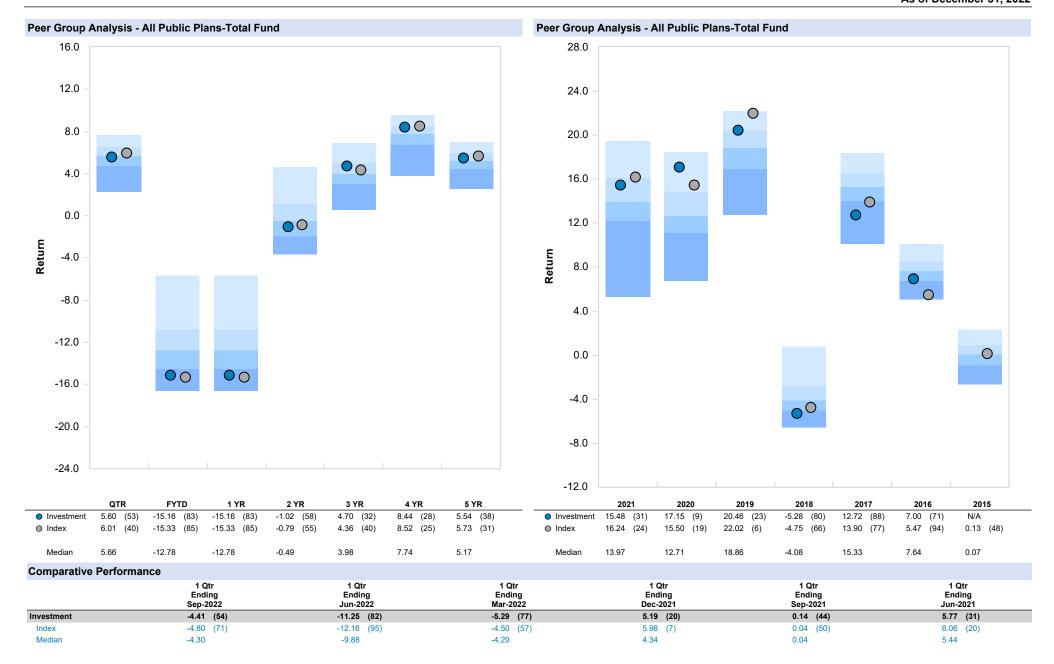


	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count	
Investment	12	0 (0%)	9 (75%)	2 (17%)	1 (8%)	
Index	20	2 (10%)	8 (40%)	3 (15%)	7 (35%)	



Investment

__ Index

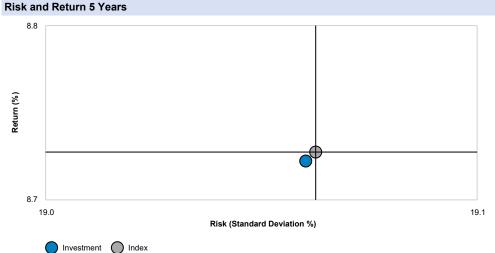


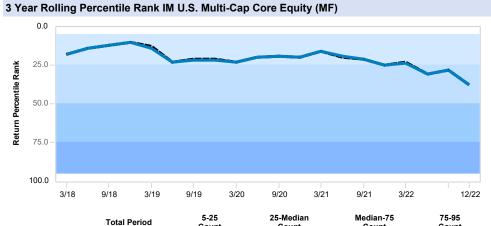


Historical Stati	stics 3 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	6.98	21.49	0.39	99.99	7	100.00	5
Index	6.99	21.49	0.39	100.00	7	100.00	5

Historical Stati	stics 5 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	8.72	19.06	0.47	99.98	13	100.00	7
Index	8.73	19.06	0.47	100.00	13	100.00	7







Count

3 (15%)

3 (15%)

Count

0 (0%)

0 (0%)

Count

0 (0%)

0 (0%)

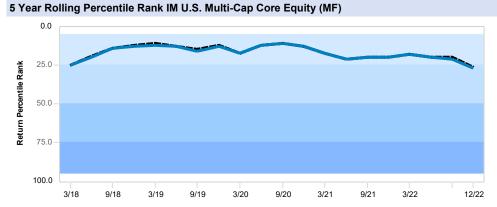
Count

17 (85%)

17 (85%)

20

20



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



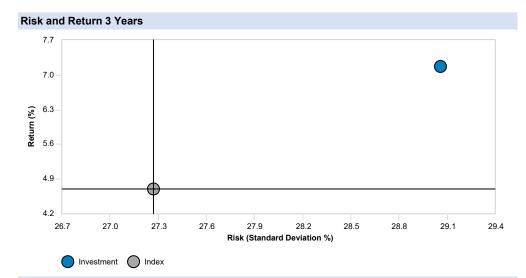
Investment

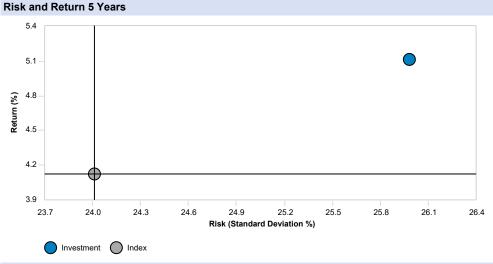


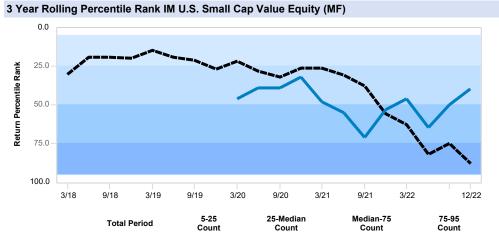


Historical Stati	stics 3 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	7.17	29.06	0.36	107.96	7	101.07	5
Index	4.70	27.27	0.28	100.00	7	100.00	5

Historical Statistics 5 Years								
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters	
Investment	5.11	25.99	0.28	108.84	12	105.82	8	
Index	4.13	24.01	0.24	100.00	12	100.00	8	







8 (67%)

8 (40%)

4 (33%)

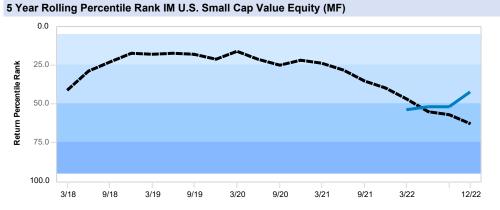
3 (15%)

0 (0%)

2 (10%)

0 (0%)

7 (35%)



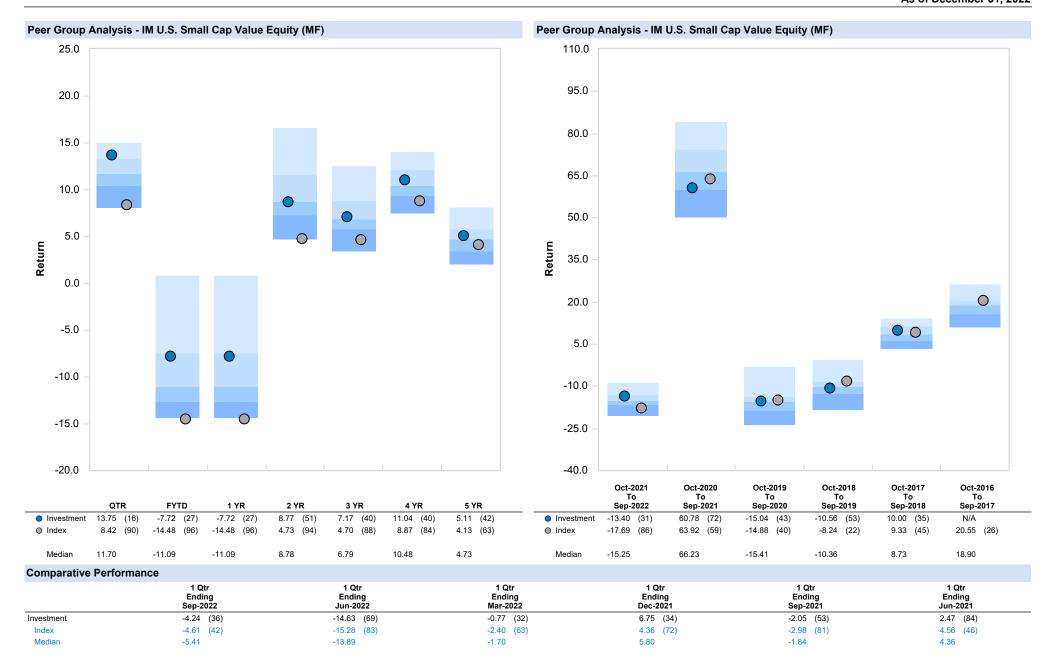
	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count	
Investment	4	0 (0%)	1 (25%)	3 (75%)	0 (0%)	
Index	20	11 (55%)	6 (30%)	3 (15%)	0 (0%)	



Investment

12

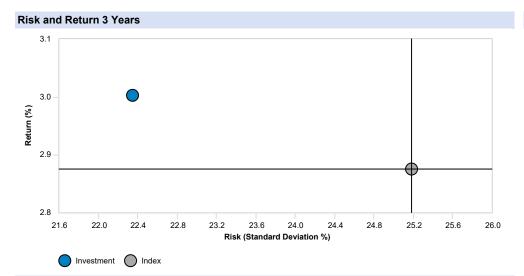
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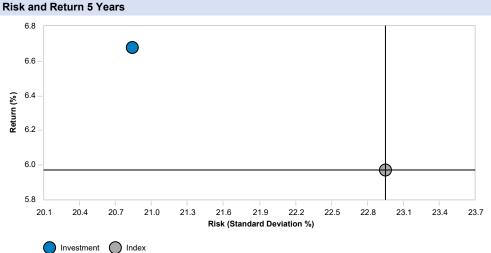


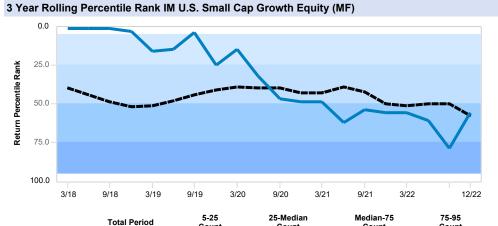


Historical Stati	stics 3 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	3.00	22.35	0.21	87.44	8	86.72	4
Index	2.88	25.18	0.21	100.00	7	100.00	5

Historical Statistics 5 Years								
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters	
Investment	6.68	20.84	0.36	92.57	14	89.40	6	
Index	5.97	22.95	0.31	100.00	13	100.00	7	







Count

9 (45%)

0 (0%)

20

20

Count

4 (20%)

16 (80%)

Count

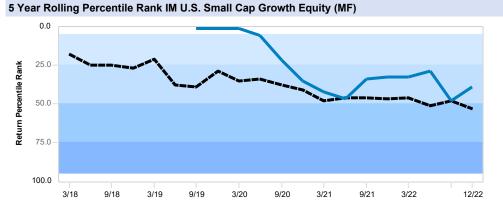
6 (30%)

4 (20%)

Count

1 (5%)

0 (0%)



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count	
Investment	14	5 (36%)	9 (64%)	0 (0%)	0 (0%)	
Index	20	4 (20%)	14 (70%)	2 (10%)	0 (0%)	



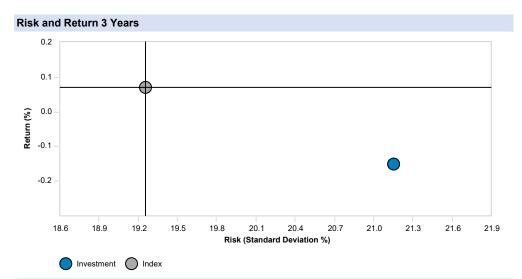
Investment

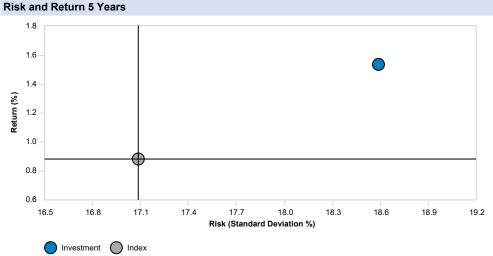


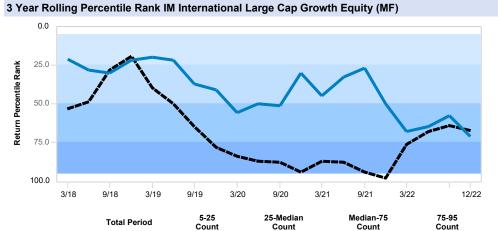


Historical Stati	stics 3 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	-0.15	21.15	0.06	111.08	5	111.33	7
Index	0.07	19.26	0.06	100.00	7	100.00	5

Historical Statistics 5 Years								
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters	
Investment	1.54	18.59	0.11	109.33	9	106.15	11	
Index	0.88	17.08	0.06	100.00	11	100.00	9	







10 (50%)

4 (20%)

6 (30%)

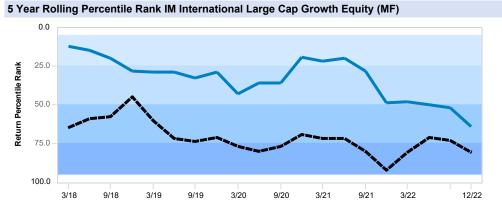
5 (25%)

0 (0%)

10 (50%)

4 (20%)

1 (5%)



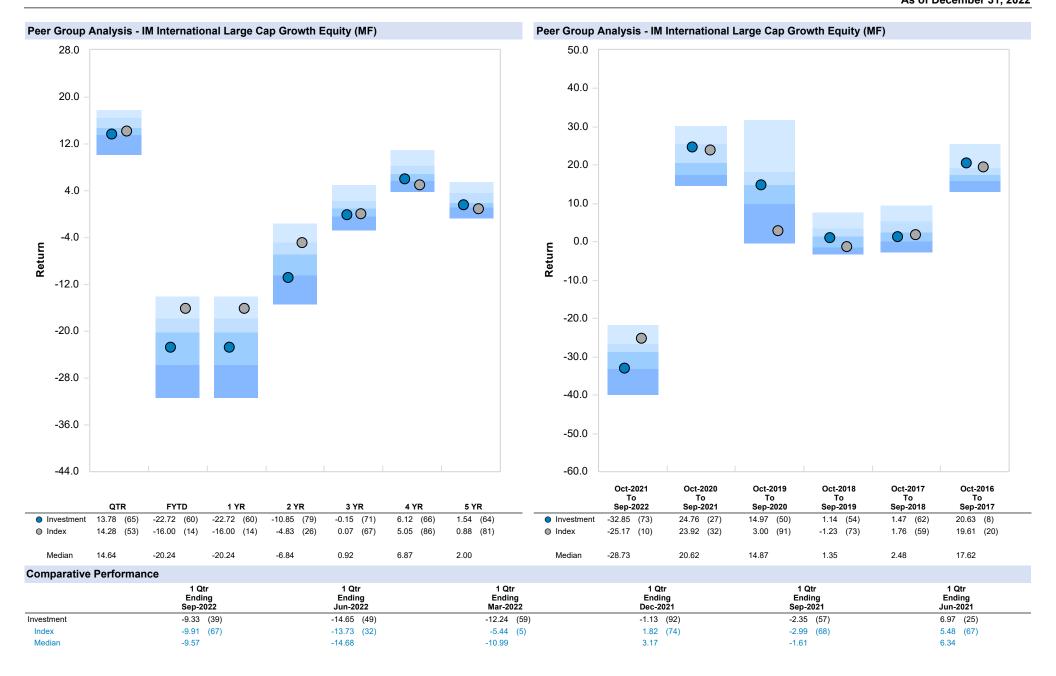
	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	20	6 (30%)	12 (60%)	2 (10%)	0 (0%)
Index	20	0 (0%)	1 (5%)	12 (60%)	7 (35%)



Investment

20

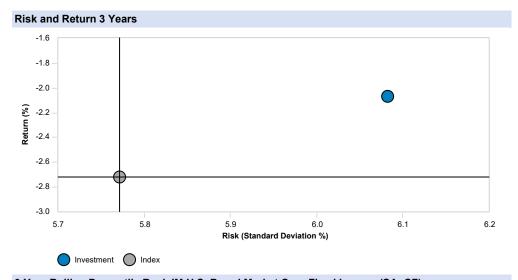
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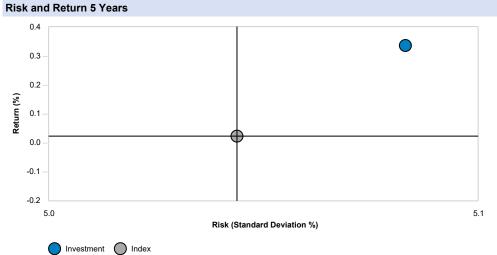




Historical Stati	stics 3 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	-2.07	6.08	-0.43	108.96	6	98.84	6
Index	-2.71	5.77	-0.57	100.00	8	100.00	4

Historical Statistics 5 Years								
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters	
Investment	0.34	5.08	-0.16	97.85	11	92.84	9	
Index	0.02	5.04	-0.22	100.00	14	100.00	6	







Count

6 (30%)

1 (5%)

Count

5 (25%)

0 (0%)

Count

8 (40%)

19 (95%)

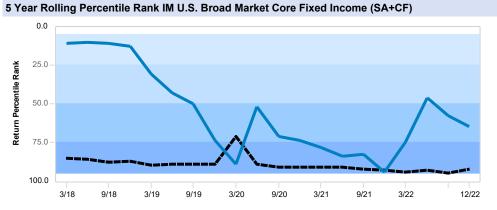
Count

1 (5%)

0 (0%)

20

20

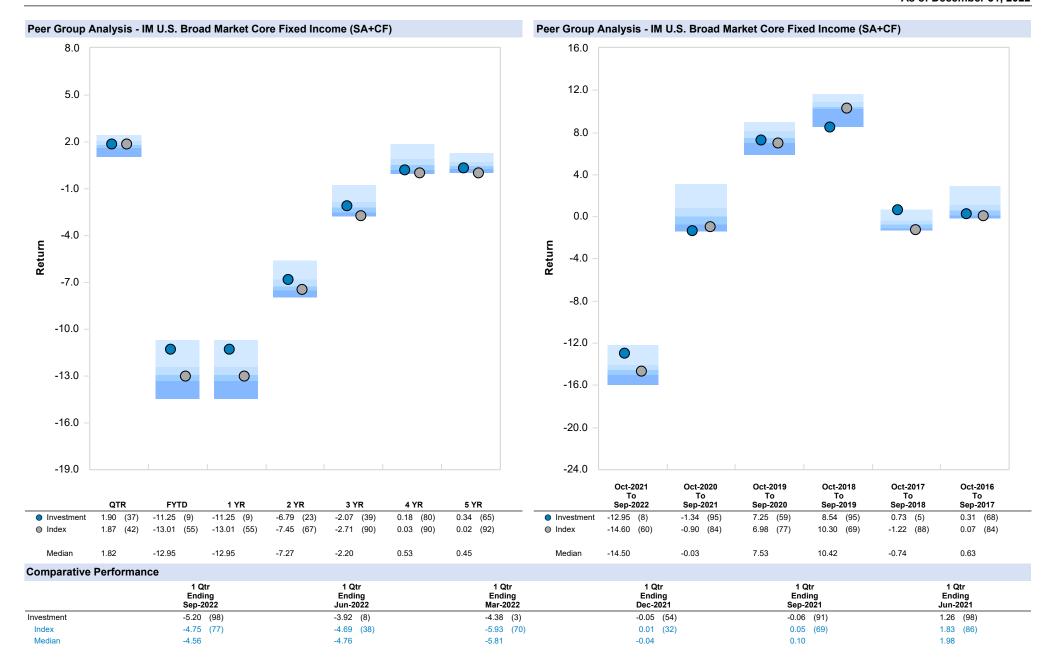


	Total Period	Count	Count	Count	Count	
Investment	20	4 (20%)	4 (20%)	7 (35%)	5 (25%)	
Index	20	0 (0%)	0 (0%)	1 (5%)	19 (95%)	



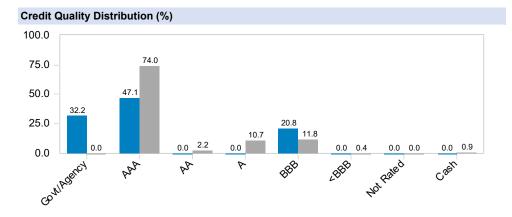
Investment

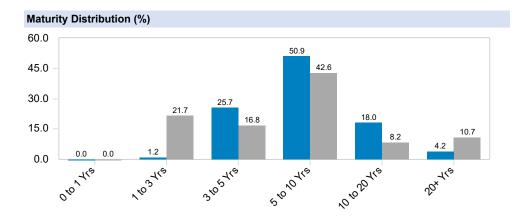
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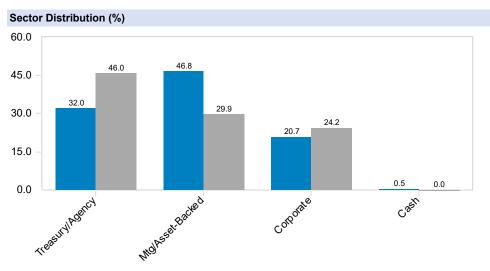


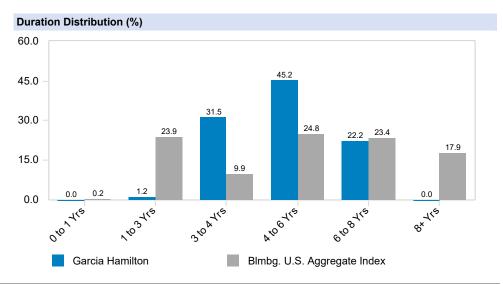


Portfolio Characteristics		
	Portfolio	Benchmark
Avg. Maturity	8.61	8.71
Avg. Quality	AA+	AA1/AA2
Coupon Rate (%)	3.14	2.43
Current Yield	3.47	2.32
Effective Duration	6.92	6.69





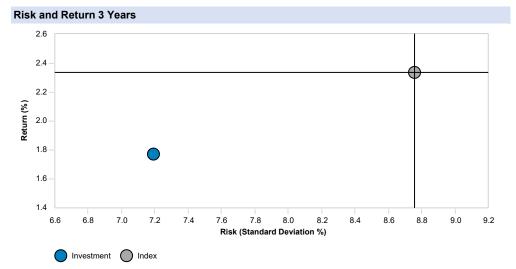


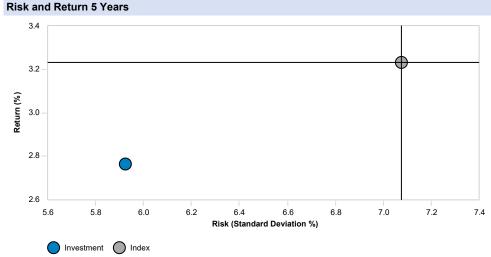


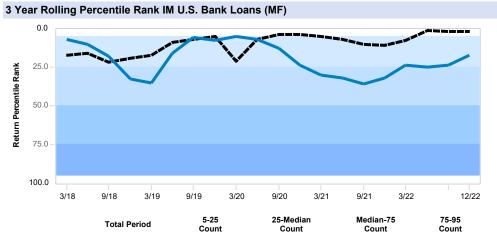


Historical Stati	stics 3 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	1.77	7.19	0.18	83.29	10	86.73	2
Index	2.34	8.76	0.22	100.00	9	100.00	3

Historical Stati	stics 5 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	2.77	5.92	0.28	87.06	17	88.86	3
Index	3.24	7.07	0.31	100.00	16	100.00	4







6 (30%)

0 (0%)

0 (0%)

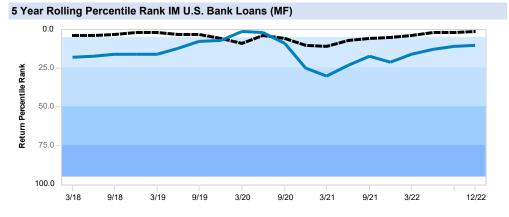
0 (0%)

0 (0%)

0 (0%)

14 (70%)

20 (100%)



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



Investment

20

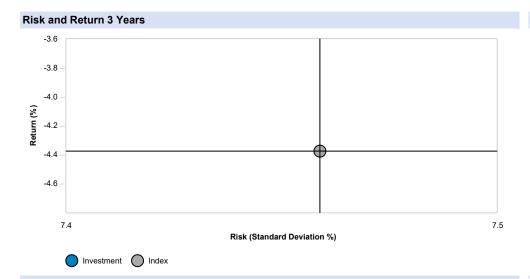
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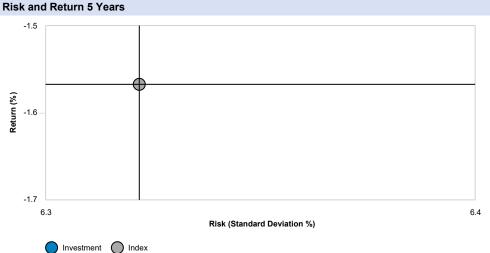


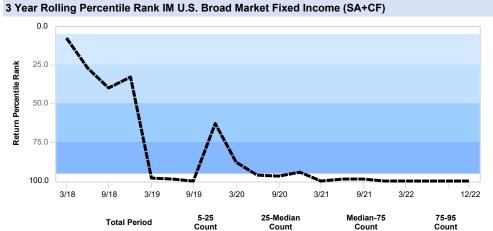


Historical Stati	stics 3 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Index	-4 37	7.46	-0.66	100.00	5	100.00	7

Historical Stati	stics 5 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Index	-1.57	6.32	-0.42	100.00	11	100.00	9





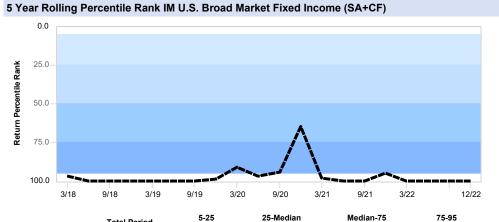


3 (15%)

1 (5%)

15 (75%)

1 (5%)



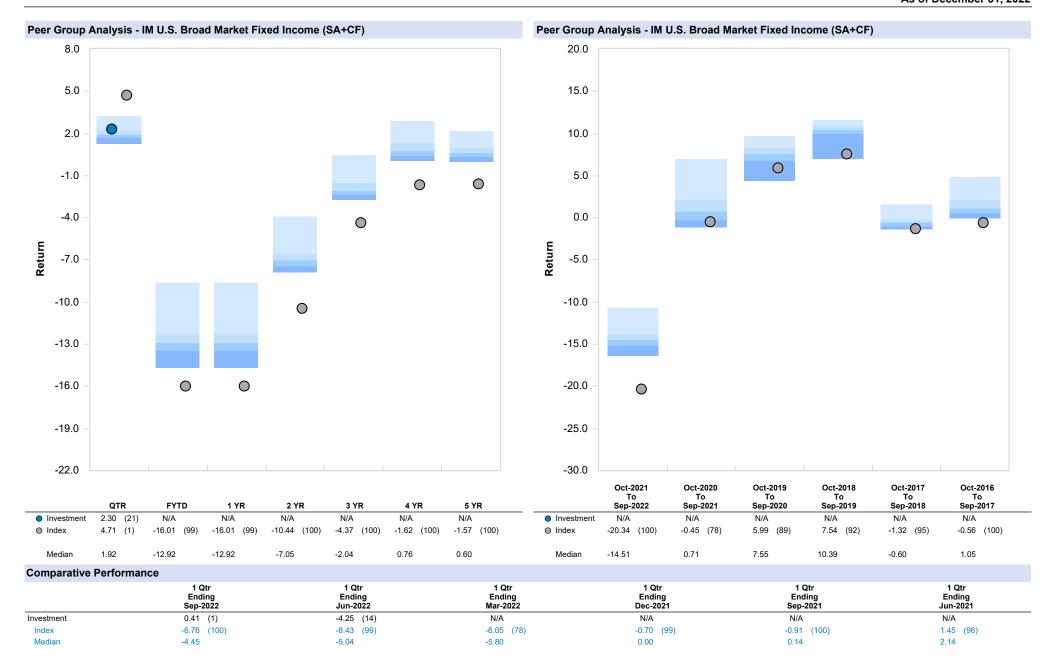


Investment

__ Index

0

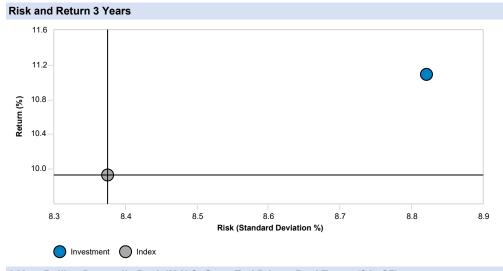
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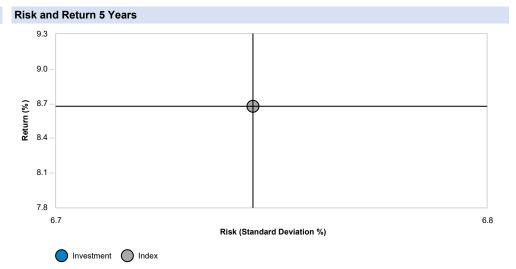


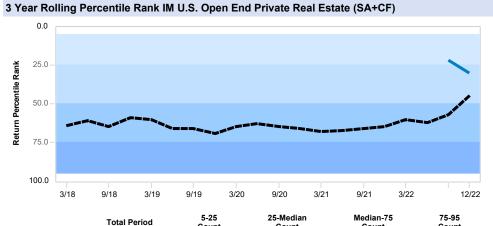


Historical Stati	stics 3 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	11.09	8.82	1.14	110.32	10	106.53	2
Index	9.93	8.37	1.07	100.00	10	100.00	2

Historical Stati	stics 5 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Index	8.68	6.75	1.07	100.00	18	100.00	2







Count

1 (50%)

1 (5%)

Count

0 (0%)

19 (95%)

Count

0 (0%)

0 (0%)

Count

0 (0%)

1 (50%)

2

20



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



Investment

__ Index





Comparative Performance								
	QTR	YTD	1 YR	2 YR	3 YR	5 YR	Inception	Inceptior Date
Domestic Equity								
Vanguard Total Stock Index (VITSX)	7.16	-19.51	-19.51	0.60	6.98	8.72	7.79	08/01/1997
CRSP U.S. Total Market TR Index	7.15	-19.49	-19.49	0.61	6.99	8.73	N/A	
American Beacon SC Value R6 (AASRX)	13.75	-7.72	-7.72	8.77	7.17	5.11	5.61	03/01/2017
Russell 2000 Value Index	8.42	-14.48	-14.48	4.73	4.70	4.13	4.75	
Conestoga Small Cap I (CCALX)	5.81	-28.09	-28.09	-8.52	3.00	6.68	10.38	09/01/2014
Russell 2000 Growth Index	4.13	-26.36	-26.36	-12.98	0.65	3.51	6.27	
International Equity								
EuroPacific Growth R6 (RERGX)	13.78	-22.72	-22.72	-10.85	-0.15	1.54	6.40	06/01/2009
MSCI AC World ex USA (Net)	14.28	-16.00	-16.00	-4.83	0.07	0.88	5.23	
Core Fixed Income								
Garcia Hamilton (Gross of Fees)	1.90	-11.25	-11.25	-6.79	-2.07	0.34	5.36	01/01/1992
Blmbg. U.S. Aggregate Index	1.87	-13.01	-13.01	-7.45	-2.71	0.02	4.64	
Bank Loans								
Pacific Funds Floating Rate (PLFRX)	2.72	-0.83	-0.83	1.86	1.77	2.77	3.91	07/01/2011
Credit Suisse Leveraged Loan Index	2.34	-1.06	-1.06	2.12	2.34	3.24	4.00	
Real Estate								
Clarion Lion Properties Fund	-5.15	9.62	9.62	16.30	11.41	10.22	8.23	04/01/2000
NCREIF Fund Index-ODCE (VW)	-4.97	7.47	7.47	14.58	9.93	8.68	8.36	

Returns for periods greater than one year are annualized. Returns are expressed as percentages.



Comparative Performance	YTD	2021	2020	2019	2018	2017	2016	2015
	YIU	2021	2020	2019	2018	2017	2016	2015
Domestic Equity								
Vanguard Total Stock Index (VITSX)	-19.51	25.73	21.00	30.81	-5.16	21.17	12.67	0.42
CRSP U.S. Total Market TR Index	-19.49	25.72	20.99	30.84	-5.17	21.19	12.68	0.40
American Beacon SC Value R6 (AASRX)	-7.72	28.21	4.03	23.50	-15.59	N/A	N/A	N/A
Russell 2000 Value Index	-14.48	28.27	4.63	22.39	-12.86	7.84	31.74	-7.47
Conestoga Small Cap I (CCALX)	-28.09	16.37	30.59	25.42	0.81	28.74	14.30	8.26
Russell 2000 Growth Index	-26.36	2.83	34.63	28.48	-9.31	22.17	11.32	-1.38
International Developed Equity								
EuroPacific Growth R6 (RERGX)	-22.72	2.84	25.27	27.40	-14.91	31.17	1.01	-0.48
MSCI AC World ex USA (Net)	-16.00	7.82	10.65	21.51	-14.20	27.19	4.50	-5.66
Core Fixed Income								
Garcia Hamilton (Gross of Fees)	-11.25	-2.11	8.10	7.25	0.97	3.81	3.17	0.84
Blmbg. U.S. Aggregate Index	-13.01	-1.55	7.51	8.72	0.01	3.54	2.65	0.55
Bank Loans								
Pacific Funds Floating Rate (PLFRX)	-0.83	4.62	1.59	8.30	0.41	4.33	8.91	0.75
Credit Suisse Leveraged Loan Index	-1.06	5.41	2.78	8.16	1.14	4.25	9.87	-0.41
Real Estate								
Clarion Lion Properties Fund	9.62	23.38	2.24	7.26	9.66	8.99	9.09	15.71
NCREIF Fund Index-ODCE (VW)	7.47	22.17	1.19	5.34	8.35	7.62	8.77	15.02

Returns for periods greater than one year are annualized. Returns are expressed as percentages.



Vanguard Total Stock Index (VITSX) American Beacon SC Value R6 (AASRX)	0.03 0.78	24,539,780		
` ,	0.78	24,339,760	7 262	0.03 % of Assets
		2.848,229	7,362 22,216	0.78 % of Assets
Conestoga Small Cap I (CCALX)	0.90	2,422.090	21.799	0.90 % of Assets
Total Domestic Equity	0.17	29,810,099	51,377	0.50 % 017105010
EuroPacific Growth R6 (RERGX)	0.49	7,400,184	36,261	0.49 % of Assets
Total International Equity	0.49	7,400,184	36,261	
Garcia Hamilton	0.25	9,007,886	22,520	0.25 % of First \$25 M 0.20 % of Next \$25 M 0.18 % of Next \$50 M 0.15 % of Next \$100 M 0.12 % Thereafter
Pacific Funds Floating Rate (PLFRX)	0.72	1,524,492	10,976	0.72 % of Assets
Apollo Total Return Fund	0.80	2,970,414	23,763	0.80 % of First \$100 M 0.75 % of Next \$100 M 0.70 % Thereafter
Total Fixed Income	0.42	13,502,793	57,259	
Clarion (Core Real Estate)	1.25	5,344,803	66,810	1.25 % of Assets
Total Real Estate	1.25	5,344,803	66,810	
Frost Bank Cash Account		3,426	_	
Mutual Fund Cash		163,522	- -	
Total Cash		166,948	-	
Total Fund	0.38	56,224,827	211,707	



No

N/A

Yes

2. The Total Plan return equaled or exceeded the 7% actuarial earnings assumption over the trailing five year period. 3. The Total Plan return equaled or exceeded the 7% actuarial earnings assumption over the trailing ten year period. 4. The Total Plan return equaled or exceeded the total plan benchmark over the trailing three year period. 5. The Total Plan return equaled or exceeded the total plan benchmark over the trailing five year period. 6. The Total Plan return equaled or exceeded the total plan benchmark over the trailing ten year period. 7. The Total Plan return ranked within the top 50th percentile of its peer group over the trailing three year period. 8. The Total Plan return ranked within the top 50th percentile of its peer group over the trailing five year period. 9. The Total Plan return ranked within the top 50th percentile of its peer group over the trailing ten year period. No Yes N/A **Equity Compliance:** 1. All investments are U.S. dollar denominated except for certain equities and sovereign foreign bonds as delineated in Permitted Asset Classes. 2. Less than or equal to 5% of the voting securities of any corporation are owned. 3. Securities have not been purchased on margin or leverage excluding alternative investments. 4. Short sale transactions have not been executed except by approved alternative investment managers. 5. Transactions in financial futures have not been executed unless used to equitize cash, reduce risk, or by approved alternative investment managers. 6. Less than or equal to 30% of the aggregated equity portfolio is invested in any one sector of the MSCI World at market. 7. Less than or equal to 5% of the aggregated equity portfolio is invested in securities of any one company at market. 8. Privately held securities are not included in the Plan except by approved alternative investment managers. 9. Options have not been traded except for covered calls or put hedges on a one to one ratio. No Yes N/A **Fixed Income Compliance:** 1. All investments are U.S. dollar denominated except for certain equities and sovereign foreign bonds as delineated in Permitted Asset Classes. 2. Commercial paper rated P1 by Moody's or A1 or A2 by Standard & Poor's. 3. Privately held securities are not included in the Plan except by approved alternative investment managers. Vang. Total Stk** **Garcia Hamilton Pacific Funds** Am. Beacon Conestoga **EuroPacific** Manager Compliance*: Yes No N/A Yes N/A Yes No N/A Yes No N/A Yes No No N/A Yes No N/A 1. Manager outperformed the index over the trailing three year period. ✓ 2. Manager outperformed the index over the trailing five year period. 3. Manager ranked above the 50th percentile over the trailing three year period. 4. Manager ranked above the 50th percentile over the trailing five year period. 5. Less than four consecutive quarters of under performance relative to the benchmark. 6. Three year volatility less than the index, as measured by standard deviation. 7. Five year volatility less than the index, as measured by standard deviation.

1. The Total Plan return equaled or exceeded the 7% actuarial earnings assumption over the trailing three year period.

Total Fund Compliance:



^{*}Historical manager data was used to complete this portion of the questionnaire being that funds have performance history of less than 3 years.

^{**} Index Fund

Manager Compliance:	(Clarion		Apollo														
manager compnance.	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A
1. Manager outperformed the index over the trailing three year period.	✓					✓												
2. Manager outperformed the index over the trailing five year period.			\checkmark			✓												
3. Manager ranked above the 50th percentile over the trailing three year period.	✓					✓												
4. Manager ranked above the 50th percentile over the trailing five year period.			✓			✓												
5. Less than four consecutive quarters of under performance relative to the benchmark.	✓					✓												
6. Three year volatility less than the index, as measured by standard deviation.		✓				✓												
7. Five year volatility less than the index, as measured by standard deviation.			✓			✓												

^{*}Historical manager data was used to complete this portion of the questionnaire being that funds have performance history of less than 3 years.



^{**} Index Fund

Historical Hybrid Composition		
Allocation Mandate	Weight (%)	
Jan-1973		
MSCI World (net)	60.00	
Bloomberg Intermediate US Govt/Credit Idx	40.00	
Jun-2019		
Russell 3000 Index	62.50	
MSCI AC World ex USA (Net)	15.00	
Blmbg. U.S. Aggregate Index	22.50	
Oct-2019		
Russell 3000 Index	55.00	
MSCI AC World ex USA (Net)	15.00	
Blmbg. U.S. Aggregate Index	22.50	
NCREIF Fund Index-ODCE (VW)	7.50	
Mar-2022		
Russell 3000 Index	55.00	
MSCI AC World ex USA (Net)	15.00	
Blmbg. U.S. Aggregate Index	20.00	
NCREIF Fund Index-ODCE (VW)	7.50	
Blmbg. Global Multiverse	2.50	
Sep-2022		
Russell 3000 Index	55.00	
MSCI AC World ex USA (Net)	15.00	
Blmbg. U.S. Aggregate Index	20.00	
NCREIF Fund Index-ODCE (VW)	10.00	

- Historical data through April 2019 was provided by South Texas Money Management.
- Assets were transferred to Frost Bank as the new custodian in the months of May, June and July 2019.
- Performance and cash flow data as of May 2019 is calculated by AndCo using custodial statements from Pershing and Frost Bank.



Active Return

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

Alpha

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

Beta

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

Consistency

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

Distributed to Paid In (DPI)

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

Down Market Capture

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

Downside Risk

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

Excess Return

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

Excess Risk

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

Information Ratio

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

Public Market Equivalent (PME)

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

R-Squared

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

Return

- Compounded rate of return for the period.

Sharpe Ratio

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

Standard Deviation

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

Total Value to Paid In (TVPI)

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

Tracking Error

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

Treynor Ratio

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

Up Market Capture

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



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

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

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

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

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