Investment Performance Review Period Ending September 30, 2022

Town of Lantana Police Officers' Retirement System



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3rd Quarter 2022 Market Environment



The Economy

- Broadly, global markets declined during the 3rd quarter as inflation remained elevated, causing global central banks further drain liquidity from the market, and geopolitical risks increased as the conflict in Ukraine escalated.
- While inflation moderated slightly in the US, it showed signs of increasing, especially in Europe, where UK and German inflation reached multi-decade highs. US CPI was 8.3% in August, down from 9.1% at the end of the 2nd quarter.
- The US Federal Reserve Bank (the Fed) continued to increase interest rates during the quarter by raising 0.75% at the July and September meetings. Importantly, the Fed signaled it was committed to fight inflation by additional rate hikes if needed.
- The US labor market showed its resiliency during the quarter by adding an estimated 1.1 million jobs. As a result, the unemployment rate fell to 3.5% in September. The number of workers re-entering the workforce increased slightly during the period as wage growth remained strong.
- Real estate markets were under pressure during the quarter as rising interest rates pushed mortgages to their highest levels since 2007. As of September, the average 30-year fixed mortgage was roughly 6.7%, up from roughly 3.0% last year at the same time.

Equity (Domestic and International)

- US equities declined during the 3rd quarter as concerns regarding inflation, the path of interest rates, and a slowing global economy acted as headwinds. Small cap growth was the best performing domestic segment of the equity market relative to other US market capitalizations and styles during the period while large cap value performed the worst.
- Momentum was decidedly negative in international stocks during the 3rd quarter. The escalating conflict in Ukraine, rising inflation in Europe, and tightening monetary policy all contributed to the decline. The continued strength of the US dollar, which rose against most major developed market and emerging market currencies, also acted as a headwind. Finally, China continued its zero-tolerance policy regarding Covid-19, which led to additional restrictions.

Fixed Income

- While inflation fell slightly during the quarter, the Fed continued increasing interest rates which acted as a headwind for fixed income performance during the quarter. US interest rates moved significantly higher during the quarter with the US 10-Year Treasury bond rising 83 basis points to close at 3.80%.
- Performance across all bond market sectors was negative during the quarter, with US high yield corporate bonds and US Treasury bonds down the least.
- The combination of higher coupons and a shorter maturity profile relative to high quality government bonds was the primary driver of the relative outperformance of high yield bonds during the period.
- US Treasury bonds declined less than other investment grade bond market sectors during the quarter. During periods of increased volatility, investors have historically preferred the safety of government bonds over those with credit risk.

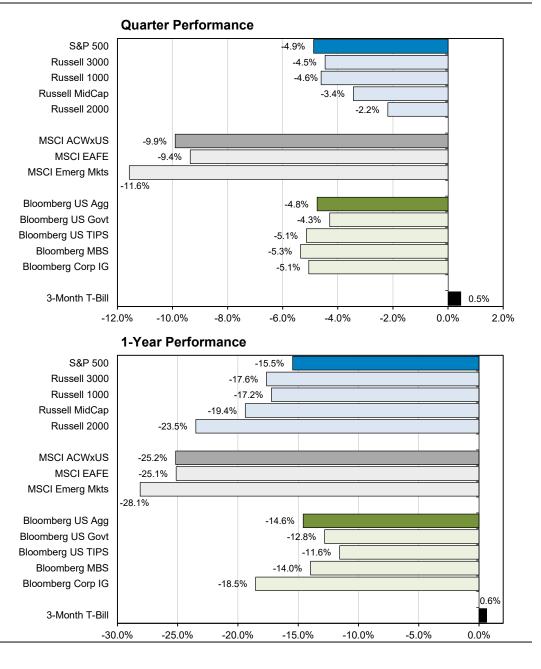
Market Themes

- Central banks remained hawkish during the quarter with several banks raising interest rates to fight higher inflation. The Fed, the Bank of England, and European Central Bank all raised rates during the quarter. Additionally, the Fed is currently allowing bonds to mature without reinvesting (quantitative tightening), while other banks are also considering similar actions. The outcome would be additional liquidity from the market.
- The escalating crisis in Ukraine spilled over as several gas pipelines were attacked in the Baltic Sea. The result was further disruption of energy supplies to Europe, Germany in particular. Energy costs have risen significantly since the start of the conflict which have negatively impacted economic activity in the region.
- US equity markets experienced their third consecutive quarter of negative performance during the 3rd quarter. Growth-oriented stocks outperformed value stocks as investors believe the Fed will begin slowing the rise of interest rates as economic growth declines. Historically, growth stocks have outperformed value stocks as the economy reaches the trough following a recession.
- Interest rates rose across the Treasury yield curve during the quarter as the Fed hiked interest rates by 0.75% at both the July and September meetings. The 3rd quarter marks the third consecutive quarter the bond market has suffered negative absolute returns. Long-term mortgage and investment grade corporate bonds underperformed during the quarter given their maturity profiles. High yield bonds outperformed primarily due to their shorter maturity profile and higher coupons.



- Negative momentum continued during the 3rd quarter as broad US equity markets experienced negative returns. Factors that contributed to performance included elevated inflation, tighter monetary policy, continued geopolitical events in Ukraine, and expectations of slower economic growth. For the period, the S&P 500 large cap benchmark returned -4.9%, compared to -3.4% for mid-cap and -2.2% for small cap indices.
- Like domestic equities, developed markets international equities also suffered negative results for the 3rd quarter. Europe was negatively impacted by higher-than-expected inflation, the conflict in Ukraine, uncertainty regarding energy supplies, and rising interest rates. Emerging markets were also negatively impacted by war in Ukraine and a strengthening USD. During the period, the MSCI EAFE Index returned -9.4% while the MSCI Emerging Markets Index declined by -11.6%.
- For the quarter, performance of the bond market was broadly negative due to continued concerns about inflation and the FOMC's decision to raise interest rates twice during the period. The Bloomberg (BB) US Aggregate Index returned -4.8%, for the period while Investment Grade Corporate bonds posted a return of -5.1%.
- Performance for developed equity markets was strongly negative over the trailing 1-year period. The primary drivers of return during the period were weakening global economic growth, more restrictive monetary policy from global central banks, and elevated inflation. The S&P 500 large cap stock index led equity market performance for the year with a return of -15.5%. The outlier was the MSCI ACWI ex-US index which declined by -25.2% for the year.
- Over the trailing 1-year period, international markets fell with the developed market MSCI EAFE Index returning -25.1% while the MSCI Emerging Markets Index fell by -28.1%. Global economic growth slowed throughout the year and both developed and emerging markets were negatively impacted by a strong USD and continued geopolitical concerns.
- Bond market returns disappointed over the trailing 1-year period due primarily to concerns about rising inflation and the expectation of higher future interest rates. US TIPS were the best performing sector returning -11.6% while investment grade corporate bonds was the worst, falling -18.5%.

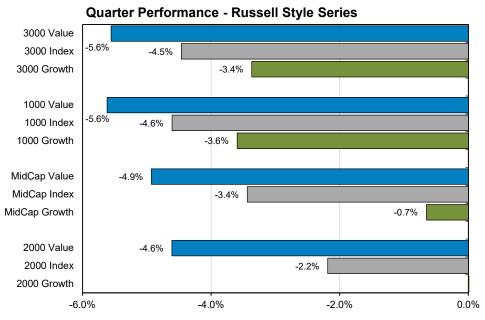
Source: Investment Metrics

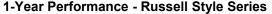


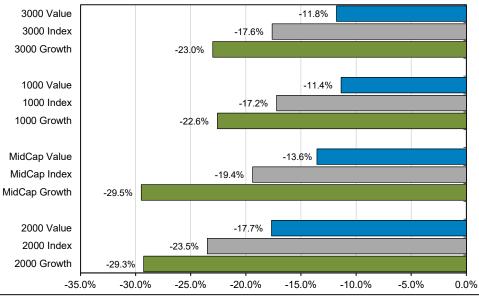
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- Volatility was high during the 3rd quarter as broad US equity markets rose sharply before falling to close the period with negative results across both the style and market capitalization spectrums. Leadership switched during the quarter with small cap stocks outperforming, followed by mid and large cap issues. The Russell 2000 Index declined by -2.2% for the quarter while the Russell Mid Cap Index and the Russell 1000 Index fell by -3.4% and -4.6%, respectively.
- Performance across styles and market capitalizations was disparate during the quarter. Large, mid, and small cap growth stocks all outperformed their value counterparts. For the period, the Russell 2000 Growth Index was the best relative performing style index, posting a return of 0.0%. Large and mid cap value stocks were the laggards during the period with the Russell Large Cap Value Index and Russell Mid Cap Value Index falling by -5.6% and -4.9%, respectfully.

- Performance across all market capitalizations and styles was negative over the trailing 1-year period. Unlike the 3rd quarter, large cap stocks outperformed mid and small cap stocks for the year. The Russell 1000 Index return of -17.2% for the year, significantly outperformed both its mid and small cap growth index counterparts. The outlier during the period was the Russell 2000 Index which returned -23.5%.
- There was wide performance dispersion within across all style-based indexes. Value significantly outperformed growth over the year. Within large cap stocks, the Russell 1000 Value returned -11.4% compared to -22.6% for the Russell Large Cap Growth benchmark. The Russell Mid Cap Value Index returned -13.6% while the Russell 2000 Value Index returned -17.7% for the period. In comparison, the Russell Mid Cap Growth Index returned -29.5%, while the Russell 2000 Growth Index declined by -29.3%.





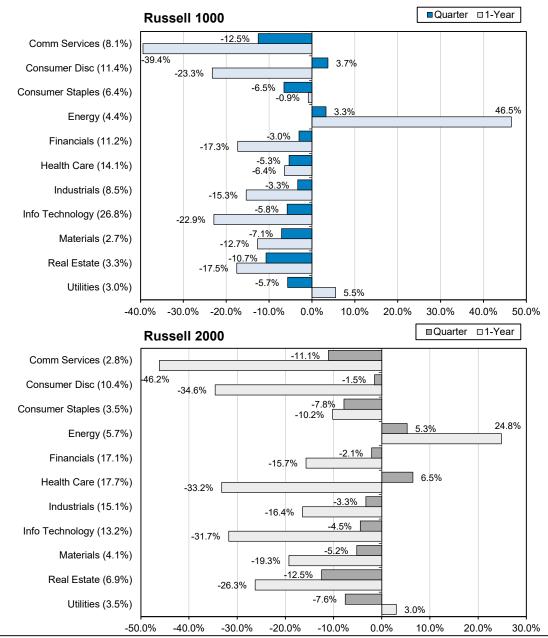


Source: Investment Metrics



- Economic sector performance was negative across nine of the eleven large cap economic sectors for the 3rd quarter. Four sectors outpaced the return of the broad index on a relative basis during the period.
- Consumer Discretionary (3.7%) and Energy (3.3%) were the only sectors with positive absolute performance during the period. Additionally, Financials (-3.0%) and Industrials (-3.3%) outperformed the broad index. Strong consumer demand acted as a tailwind for consumer-related stocks during the quarter. Energy continued its relative outperformance as the price of oil remained elevated.
- For the full year, six sectors exceeded the return of the broad large cap benchmark: Energy (46.5%), Utilities (5.5%), Consumer Staples (-0.9%), Health Care (-6.4%), Materials (-12.7%), and Industrials (-15.3%). The weakest economic sector performance in the Russell 1000 for the year was Communication Services which declined by returns (-39.4%).

- Small cap sector performance was also mixed during the quarter with two economic sectors posting positive performance relative to return of the broader Russell 2000 Index (-2.2%). Health Care (6.5%), and Energy (5.3%) were the best performing sectors for the period. Real Estate (-12.5%), and Communication Services (-11.1%) were the worst performing sectors for the quarter.
- For the trailing 1-year period, six of the eleven sectors outpaced the broad benchmark's return. Not surprisingly, sector performance was led by Energy (24.8%), Utilities (3.0%), Consumer Staples (-10.2%), Financials (-15.7%), and Industrials (-16.4%). The weakest sector over the full year was Communication Services (-46.2%), followed by Consumer Discretionary (-34.6%).



Source: Morningstar Direct

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.

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

As of September 30, 2022

	Top 10 W	eighted Stoc	:ks	
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector
Apple Inc	6.31%	1.22%	-1.79%	Information Technology
Microsoft Corp	5.21%	-9.12%	-16.69%	Information Technology
Amazon.com Inc	3.00%	6.39%	-31.20%	Consumer Discretionary
Tesla Inc	2.02%	18.17%	2.61%	Consumer Discretionary
Alphabet Inc Class A	1.72%	-12.22%	-28.45%	Communication Services
Alphabet Inc Class C	1.55%	-12.09%	-27.85%	Communication Services
Berkshire Hathaway Inc Class B	1.44%	-2.20%	-2.17%	Financials
UnitedHealth Group Inc	1.41%	-1.36%	30.94%	Health Care
Johnson & Johnson	1.28%	-7.35%	3.82%	Health Care
Exxon Mobil Corp	1.09%	2.91%	55.15%	Energy

Тор	10 Performir	ng Stocks (b	y Quarter)	
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector
Signify Health Inc Ordinary Shares	0.01%	111.23%	63.12%	Health Care
First Solar Inc	0.04%	94.14%	38.56%	Information Technology
Wolfspeed Inc	0.04%	62.90%	28.03%	Information Technology
Penumbra Inc	0.02%	52.26%	-28.86%	Health Care
Oak Street Health Inc Ordinary Shares	0.01%	49.15%	-42.35%	Health Care
Sarepta Therapeutics Inc	0.03%	47.47%	19.53%	Health Care
Constellation Energy Corp	0.08%	45.54%	N/A	Energy
The Trade Desk Inc Class A	0.08%	42.64%	-15.01%	Information Technology
Nutanix Inc Class A	0.01%	42.38%	-44.75%	Information Technology
Enphase Energy Inc	0.11%	42.12%	85.02%	Energy

Botton	n 10 Perform	ing Stocks (by Quarter)	
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector
Sotera Health Co Ordinary Shares	0.00%	-65.2%	-73.9%	Health Care
Novavax Inc	0.00%	-64.6%	-91.2%	Health Care
Spectrum Brands Holdings Inc	0.00%	-52.1%	-58.4%	Consumer Staples
AMC Entertainment Holdings Inc	0.01%	-48.6%	-81.7%	Communication Services
WeWork Inc	0.00%	-47.2%	N/A	Real Estate
The Scotts Miracle Gro Co A	0.01%	-45.4%	-70.1%	Materials
AppLovin Corp Ordinary Shares	0.01%	-43.4%	-73.1%	Information Technology
Azenta Inc	0.01%	-40.6%	-58.1%	Health Care
NCR Corp	0.01%	-38.9%	-51.0%	Information Technology
Enhabit Inc Shs	0.00%	-38.9%	N/A	Health Care

Source: Morningstar Direct

	Top 10 W	eighted Stoc	ks	
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector
ShockWave Medical Inc	0.45%	45.5%	35.1%	Health Care
Biohaven Pharmaceutical Holding Co	0.43%	3.7%	8.8%	Health Care
Chart Industries Inc	0.31%	10.1%	-3.5%	Industrials
Karuna Therapeutics Inc	0.30%	77.8%	83.9%	Health Care
Apellis Pharmaceuticals Inc	0.28%	51.0%	107.2%	Health Care
Murphy USA Inc	0.28%	18.2%	65.3%	Consumer Discretionary
Texas Roadhouse Inc	0.27%	19.8%	-2.4%	Consumer Discretionary
SouthState Corp	0.27%	3.2%	8.5%	Financials
RBC Bearings Inc	0.27%	12.4%	-2.1%	Industrials
EMCOR Group Inc	0.27%	12.3%	0.5%	Information Technology

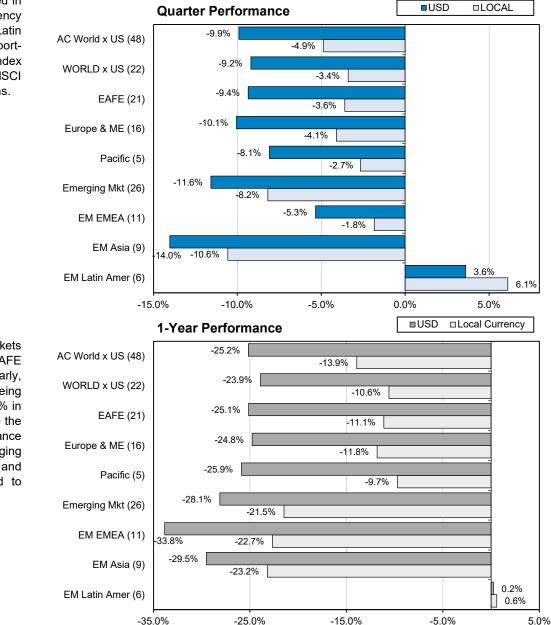
Top 10 Performing Stocks (by Quarter)					
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector	
Akero Therapeutics Inc	0.04%	260.3%	52.3%	Health Care	
Forma Therapeutics Holdings Inc	0.03%	189.6%	-14.0%	Health Care	
Velo3D Inc	0.01%	185.5%	-52.9%	Industrials	
Ventyx Biosciences Inc	0.04%	185.4%	N/A	Health Care	
Verve Therapeutics Inc	0.06%	124.8%	-26.9%	Health Care	
AN2 Therapeutics Inc	0.00%	124.3%	N/A	Health Care	
Prothena Corp PLC	0.10%	123.3%	-14.9%	Health Care	
Target Hospitality Corp Class A	0.02%	121.0%	238.3%	Consumer Discretionary	
1Life Healthcare Inc Ordinary Shares	0.14%	118.8%	-15.3%	Health Care	
Global Blood Therapeutics Inc	0.19%	113.1%	167.3%	Health Care	

Bottor	n 10 Perform	ing Stocks (by Quarter)	
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector
Leafly Holdings Inc	0.00%	-84.9%	0.0%	Communication Services
VistaGen Therapeutics Inc	0.00%	-82.7%	N/A	Health Care
Faraday Future Intelligent Electric Inc	0.00%	-75.5%	N/A	Consumer Discretionary
SelectQuote Inc Ordinary Shares	0.00%	-70.6%	-94.4%	Financials
IronNet Inc	0.00%	-68.8%	N/A	Information Technology
Core Scientific Inc Ord Shs - Class A	0.00%	-67.9%	N/A	Consumer Discretionary
Rockley Photonics Holdings Ltd	0.00%	-67.4%	N/A	Information Technology
Loyalty Ventures Inc Ordinary Shares	0.00%	-66.1%	0.0%	Communication Services
Cryptyde Inc	0.00%	-65.9%	0.0%	Materials
Vintage Wine Estates Inc	0.00%	-64.8%	-72.9%	Consumer Staples



The Market Environment

International and Regional Market Index Performance (Country Count) As of September 30, 2022



Most developed and emerging market international equity indexes tracked in the chart posted negative returns in both US dollar (USD) and local currency (LC) terms for the 3rd quarter. The outlier during the period was the Latin America region. Higher commodity prices and demand benefited exportdriven countries like Brazil. The developed market MSCI EAFE Index returned -9.4% in USD and -3.6% in LC terms for the period, while the MSCI Emerging Markets Index declined by -11.6% in USD and -8.2% in LC terms.

The trailing 1-year results for international developed and emerging markets were broadly negative across most regions and currencies. The MSCI EAFE Index returned -25.1% in USD for the year and -11.1% in LC terms. Similarly, returns across emerging markets were broadly lower with the exception being Latin America with the MSCI Emerging Markets Index declining by -28.1% in USD and -25.1% in LC terms. Latin America regional index's return were the outlier, rising by 0.2% in USD and 0.6% in LC term. In contrast, performance in the EMEA regional benchmark significantly detracted from emerging market index performance with the EMEA Index returning -33.8% in USD and -22.7% in LC terms, respectively, due primarily to concerns related to Ukraine.



Source: MSCI Global Index Monitor (Returns are Net)

The Market Environment

US Dollar International Index Attribution & Country Detail As of September 30, 2022

MSCI - EAFE	Sector Weight	Quarter Return	1-Year Return
Communication Services	4.8%	-13.7%	-28.6%
Consumer Discretionary	11.3%	-9.8%	-32.3%
Consumer Staples	11.3%	-7.1%	-17.3%
Energy	4.9%	-5.0%	6.0%
Financials	17.6%	-9.6%	-22.1%
Health Care	13.5%	-10.6%	-19.8%
Industrials	15.0%	-8.3%	-31.5%
Information Technology	7.9%	-8.3%	-38.9%
Materials	7.5%	-8.9%	-21.3%
Real Estate	2.8%	-13.1%	-29.1%
Utilities	3.4%	-13.3%	-20.3%
Total	100.0%	-9.4%	-25.1%

MSCI - ACWIXUS	Sector Weight	Quarter Return	1-Year Return
Communication Services	6.1%	-16.5%	-32.0%
Consumer Discretionary	11.4%	-13.0%	-32.3%
Consumer Staples	9.4%	-6.4%	-16.7%
Energy	6.2%	-6.3%	-5.0%
Financials	20.7%	-7.9%	-18.3%
Health Care	9.6%	-11.0%	-23.5%
Industrials	12.1%	-8.2%	-28.7%
Information Technology	10.8%	-12.1%	-39.3%
Materials	8.2%	-7.9%	-21.1%
Real Estate	2.4%	-14.5%	-29.8%
Utilities	3.4%	-10.9%	-16.0%
Total	100.0%	-9.9%	-25.2%

MSCI - Emerging Mkt	Sector Weight	Quarter Return	1-Year Return
Communication Services	9.7%	-19.3%	-36.2%
Consumer Discretionary	14.0%	-18.7%	-33.7%
Consumer Staples	6.6%	-4.5%	-17.8%
Energy	5.3%	-2.6%	-30.1%
Financials	22.6%	-5.1%	-14.3%
Health Care	3.9%	-13.8%	-42.8%
Industrials	5.8%	-9.9%	-20.8%
Information Technology	18.3%	-15.5%	-36.1%
Materials	8.7%	-7.4%	-26.3%
Real Estate	2.0%	-19.3%	-31.9%
Utilities	3.2%	-4.3%	-8.0%
Total	100.0%	-11.6%	-28.1%

	MSCI-EAFE	MSCI-ACWIxUS	Quarter	1- Year
Country	Weight	Weight	Return	Return
Japan	22.6%	14.1%	-7.7%	-29.3%
United Kingdom	15.5%	9.7%	-10.8%	-14.1%
France	11.3%	7.1%	-8.9%	-24.0%
Switzerland	10.7%	6.7%	-7.5%	-16.5%
Australia	8.0%	5.0%	-6.7%	-16.4%
Germany	7.6%	4.7%	-12.6%	-37.1%
Netherlands	4.1%	2.6%	-10.7%	-38.2%
Sweden	3.4%	2.1%	-8.8%	-35.7%
Hong Kong	3.0%	1.9%	-17.0%	-22.3%
Denmark	2.6%	1.7%	-12.3%	-23.5%
Spain	2.4%	1.5%	-14.1%	-25.6%
Italy	2.3%	1.4%	-8.5%	-28.5%
Singapore	1.6%	1.0%	-1.5%	-22.1%
Belgium	1.0%	0.6%	-13.2%	-27.3%
Finland	1.0%	0.6%	-7.2%	-25.0%
Norway	0.8%	0.5%	-1.2%	-25.0%
Israel			-1.9%	
Israel	0.8%	0.5%	-1.9% -5.5%	-21.8% -38.9%
Portugal	0.2%	0.1%	-11.0%	-12.9%
Austria	0.2%	0.1%	-15.2%	-40.9%
New Zealand	0.2%	0.1%	-8.6%	-33.4%
Total EAFE Countries	100.0%	62.5%	-9.4%	-25.1%
Canada		8.2%	-7.8%	-12.6%
Total Developed Countries		70.7%	-9.2%	-23.9%
China		9.2%	-22.5%	-35.4%
Taiwan		4.0%	-14.5%	-30.5%
India		4.5%	6.5%	-9.9%
Korea		3.1%	-16.4%	-40.7%
Brazil		1.7%	8.5%	4.3%
Saudi Arabia		1.4%	-0.1%	1.9%
South Africa		1.0%	-12.3%	-19.2%
Mexico		0.7%	-5.4%	-7.4%
Thailand		0.6%	-2.9%	-6.8%
Indonesia		0.6%	7.8%	14.3%
Malaysia		0.4%	-7.1%	-15.9%
United Arab Emirates		0.4%	-2.5%	5.1%
Qatar		0.4%	3.1%	12.7%
Kuwait		0.3%	-5.5%	6.4%
Philippines		0.2%	-13.6%	-26.3%
Poland		0.2%	-25.1%	-51.9%
Chile		0.2%	3.2%	0.6%
Turkey		0.1%	16.3%	3.8%
Peru		0.1%	-0.9%	3.0%
Greece		0.1%	-7.5%	-25.2%
Colombia		0.0%	-18.5%	-23.6%
Czech Republic		0.0%	-19.2%	-9.8%
Hungary		0.0%	-15.0%	-54.3%
Egypt		0.0%	-1.3%	-28.8%
Total Emerging Countries		29.3%	-11.6%	-28.1%
Total ACWIxUS Countries		100.0%	-9.9%	-25.2%

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

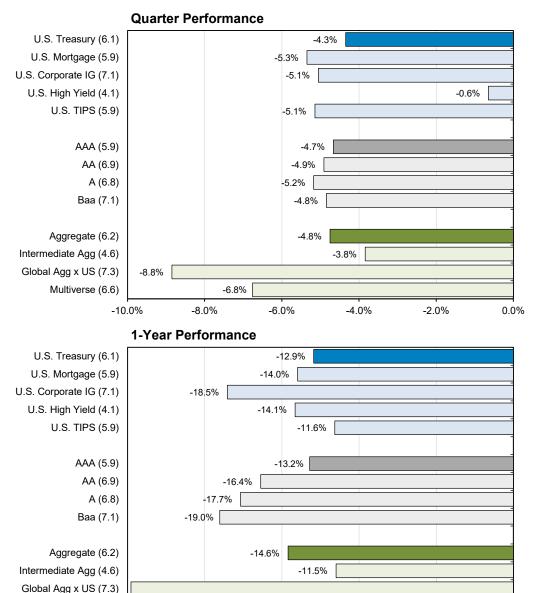
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The Market Environment Domestic Bond Sector & Broad/Global Bond Market Performance (Duration)

As of September 30, 2022

- Fixed income market results were broadly negative during the 3rd quarter. Investors' concerns about rising inflation, combined with expectations of higher US interest rates, detracted from performance. As a result, US Treasury yields continued to rise across the maturity curve throughout the quarter.
- The return for the BB US Aggregate Bond Index, the bellwether investment grade benchmark, was down -4.8% for the period.
- Performance across the investment grade index's segments was also negative during the period with the US Corporate Investment Grade bonds returning -5.1% and the US Mortgage index component posting a return of -5.3%.
- High yield bonds outperformed their investment grade counterparts, but still declined by -0.6%. US TIPS, which have delivered strong performance in recent periods, posted a decline of -5.1% as investors' expectations of future inflation declined.
- Outside of domestic markets, the BB Global Aggregate ex US Index posted a return of -8.8% for the quarter. Like domestic bonds, global bond index performance was negatively impacted by rising interest rates and a strengthening USD, which acted as a drag on domestic index returns.
- Over the trailing 1-year period, domestic investment grade benchmark performance was negative, led lower by investment grade corporate bonds (-18.5%), followed by mortgage-backed bonds (-14.0%), US Treasury bonds (-12,9%), and US TIPS (-11.6%). The bellwether Bloomberg US Aggregate Bond Index (-14.6%) declined for the year.
- Lower quality high yield corporate bonds outperformed their investment grade counterparts on a relative basis with the Bloomberg US High Yield Index returning -14.1% for the period.
- Performance for non-US bonds was broadly negative for the year with the developed market Bloomberg Global Aggregate ex US Index falling by -24.9%. The combination of rising interest rates overseas, persistent inflation, and USD strength hindered index performance for the year.



-24.8%

-25.0%

Multiverse (6.6)

-20.4%

-20.0%

-15.0%

-10.0%

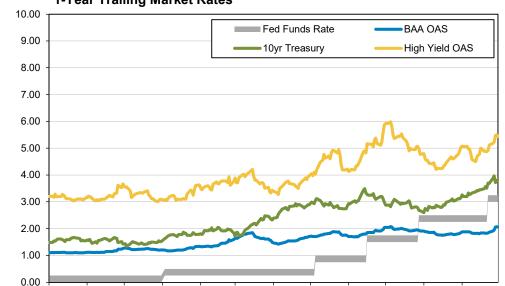
-5.0%

Source: Bloomberg

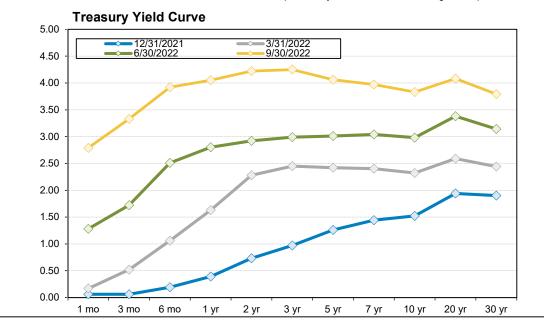


0.0%

- The gray band across the graph illustrates the range of the current Fed Funds Rate. In the 3rd quarter this year, the Fed raised its target rate range from 1.75% to 3.25%. During its recent September meeting, the Federal Open Market Committee (FOMC) stated it intends to continue to remove liquidity from the market by raising interest rates and also allowing bonds held on its balance sheet to mature without reinvesting those proceeds. Importantly, the FOMC stated that it will remain vigilant in its fight against persistently higher inflation.
- 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. Interest rates continued to climb during the quarter, reaching a high of roughly 4.00% during the latter part of September 2022, before settling at 3.83% at the end of the month.
- 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 1.10% to 2.06%. High Yield OAS was largely unchanged during the year as spreads rose from 3.17% to 5.43%. High Yield spreads reached as high as 5.80% in early July before trading lower the remainder of the quarter.
- 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 3rd quarter as the FOMC continued raising rates to combat rising inflation. Both intermediate and longer-term rates were modestly higher across the curve, albeit less dramatically than short-term rates. The curve remained inverted between 2-year rates 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.



Oct-21 Nov-21 Dec-21 Jan-22 Feb-22 Mar-22 Apr-22 May-22 Jun-22 Jul-22 Aug-22 Sep-22



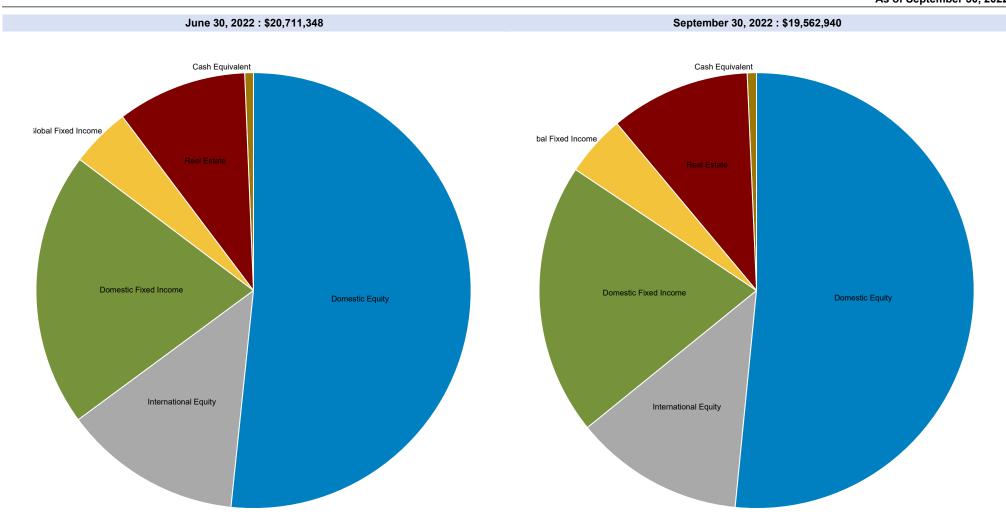
1-Year Trailing Market Rates

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



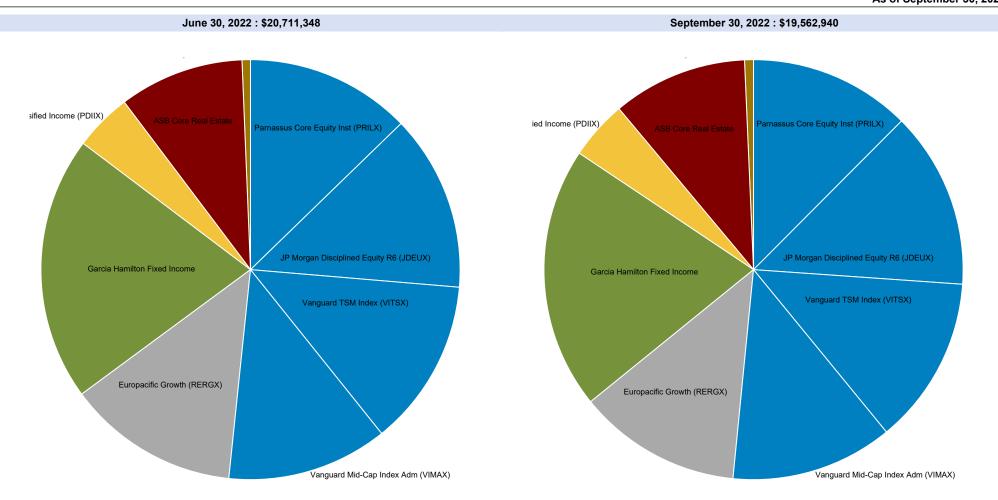
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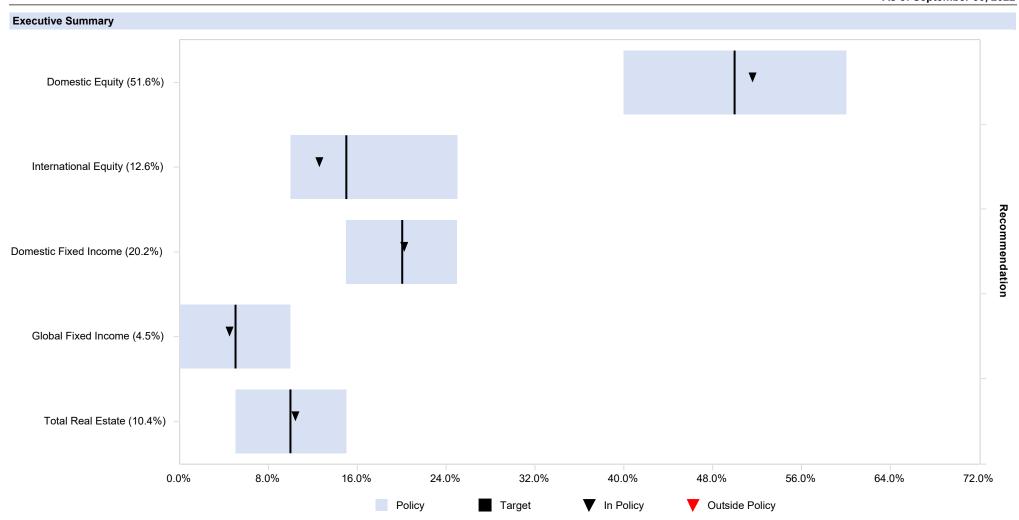
llocation			Allocation		
	Market Value	Allocation		Market Value	Allocation
Domestic Equity	10,697,959	51.7	Domestic Equity	10,088,384	51.6
International Equity	2,744,260	13.3	International Equity	2,465,822	12.6
Domestic Fixed Income	4,219,346	20.4	Domestic Fixed Income	3,949,881	20.2
Global Fixed Income	918,250	4.4	Global Fixed Income	887,667	4.5
Real Estate	1,996,506	9.6	Real Estate	2,036,129	10.4
Cash Equivalent	135,026	0.7	Cash Equivalent	135,057	0.7





ocation			Allocation		
	Market Value	Allocation		Market Value	Allocation
Parnassus Core Equity Inst (PRILX)	2,640,918	12.8	Parnassus Core Equity Inst (PRILX)	2,440,922	12.5
JP Morgan Disciplined Equity R6 (JDEUX)	2,813,617	13.6	JP Morgan Disciplined Equity R6 (JDEUX)	2,666,357	13.6
Vanguard TSM Index (VITSX)	2,672,816	12.9	Vanguard TSM Index (VITSX)	2,535,376	13.0
Vanguard Mid-Cap Index Adm (VIMAX)	2,570,608	12.4	Vanguard Mid-Cap Index Adm (VIMAX)	2,445,728	12.5
Europacific Growth (RERGX)	2,744,260	13.3	Europacific Growth (RERGX)	2,465,822	12.6
Garcia Hamilton Fixed Income	4,219,346	20.4	Garcia Hamilton Fixed Income	3,949,881	20.2
PIMCO Diversified Income (PDIIX)	918,250	4.4	PIMCO Diversified Income (PDIIX)	887,667	4.5
ASB Core Real Estate	1,996,506	9.6	ASB Core Real Estate	2,036,129	10.4
Receipt & Disbursement	135,026	0.7	Receipt & Disbursement	135,057	0.7

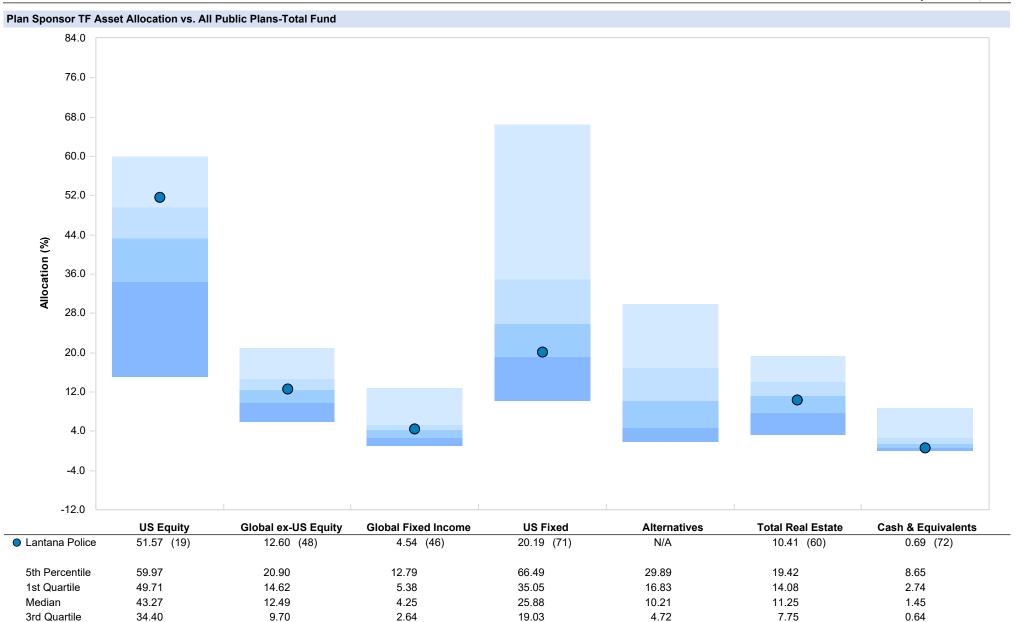




Asset Allocation Compliance

	Minimum Allocation (%)	Maximum Allocation (%)	Current Allocation (%)	Target Allocation (%)
Global Fixed Income	0.0	10.0	4.5	5.0
Total Real Estate	5.0	15.0	10.4	10.0
International Equity	10.0	25.0	12.6	15.0
Domestic Fixed Income	15.0	25.0	20.2	20.0
Domestic Equity	40.0	60.0	51.6	50.0
Total Fund	N/A	N/A	100.0	100.0





10.16

294

1.92

119

3.29

194

Parentheses contain percentile rankings.

15.03

293

5.91

276

0.95

74

95th Percentile

Population

86

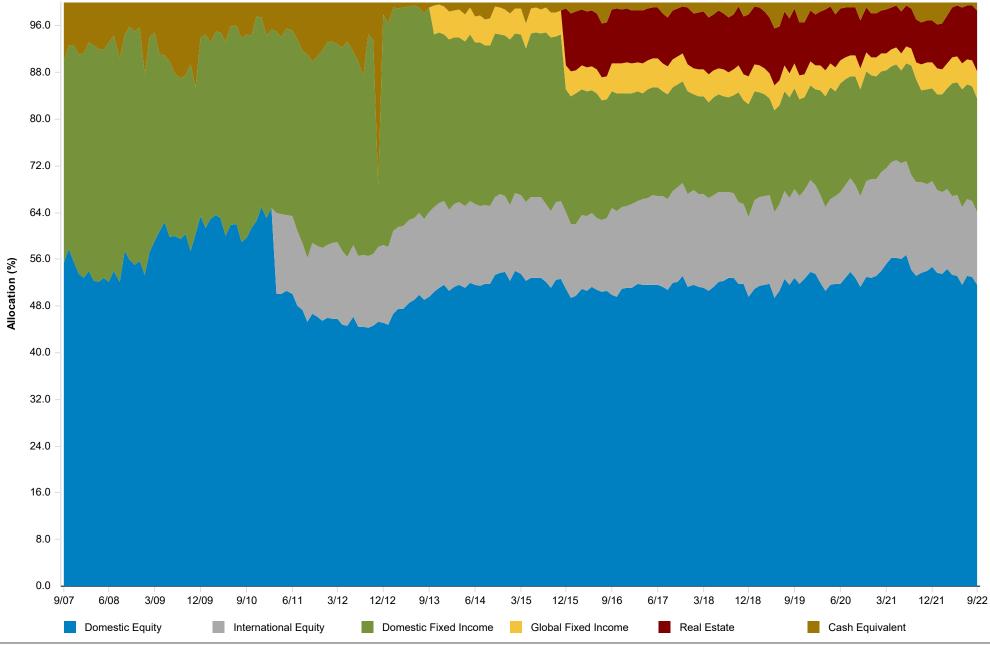
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Lantana Police Officers' Retirement System Asset Allocation History by Portfolio As of September 30, 2022

	Sep-2	022	Jun-2	022	Mar-2	022	Dec-2	021	Sep-2	021
	(\$)	%	(\$)	%	(\$)	%	(\$)	%	(\$)	%
Total Equity	12,554,206	64.17	13,442,220	64.90	15,891,804	68.09	17,067,889	69.41	15,947,888	69.25
Total Domestic Equity	10,088,384	51.57	10,697,959	51.65	12,701,378	54.42	13,432,679	54.62	12,256,187	53.22
JP Morgan Disciplined Equity (JDEUX)	2,666,357	13.63	2,813,617	13.58	3,334,864	14.29	3,486,937	14.18	3,122,325	13.56
Parnassus Core Equity (PRILX)	2,440,922	12.48	2,640,918	12.75	3,097,300	13.27	3,284,405	13.36	2,975,622	12.92
Vanguard Mid-Cap Index (VIMAX)	2,445,728	12.50	2,570,608	12.41	3,075,454	13.18	3,283,010	13.35	3,052,076	13.25
Vanguard TSM Index (VITSX)	2,535,376	12.96	2,672,816	12.91	3,193,760	13.68	3,378,327	13.74	3,106,165	13.49
Total International Equity	2,465,822	12.60	2,744,260	13.25	3,190,426	13.67	3,635,210	14.78	3,691,700	16.03
Europacific Growth (RERGX)	2,465,822	12.60	2,744,260	13.25	3,190,426	13.67	3,635,210	14.78	3,691,700	16.03
Total Fixed Income	4,837,548	24.73	5,137,596	24.81	5,336,214	22.86	5,612,439	22.82	5,234,093	22.73
Total Domestic Fixed Income	3,949,881	20.19	4.219,346	20.37	4,334,308	18.57	4,533,914	18.44	4,565,492	19.82
Garcia Hamilton Fixed Income	3,949,881	20.19	4,219,346	20.37	4,334,308	18.57	4,533,914	18.44	4,565,492	19.82
Total Diversified Fixed Income	887,667	4.54	918,250	4.43	1,001,906	4.29	1,078,525	4.39	668,601	2.90
PIMCO Diversified Income (PDIIX)	887,667	4.54	918,250	4.43	1,001,906	4.29	1,078,525	4.39	668,601	2.90
Total Real Estate	2,036,129	10.41	1,996,506	9.64	1,915,013	8.20	1,780,321	7.24	1,716,579	7.45
ASB Core Real Estate	2,036,129	10.41	1,996,506	9.64	1,915,013	8.20	1,780,321	7.24	1,716,579	7.45
	_,000,120		.,,	0101	.,	0.20	.,		.,	
Cash Accounts										
Receipt & Disbursement	135,057	0.69	135,026	0.65	197,648	0.85	130,933	0.53	130,789	0.57
Total Fund	19,562,940	100.00	20,711,348	100.00	23,340,680	100.00	24,591,581	100.00	23,029,348	100.00







Lantana Police Officers' Retirement System Financial Reconciliation 1 Quarter Ending September 30, 2022

	Market Value 07/01/2022	Net Transfers	Contributions	Distributions	Management Fees	Other Expenses	Income	Capital Gain/Loss	Market Value 09/30/2022
Total Equity	13,442,220	-99,412	-	-	-	-	37,694	-826,296	12,554,206
Total Domestic Equity	10,697,959	-76,471	-	-	-	-	37,694	-570,799	10,088,384
JP Morgan Disciplined Equity (JDEUX)	2,813,617	-19,118	-	-	-	-	10,066	-138,208	2,666,357
Parnassus Core Equity (PRILX)	2,640,918	-19,118	-	-	-	-	5,948	-186,826	2,440,922
Vanguard Mid-Cap Index (VIMAX)	2,570,608	-19,118	-	-	-	-	10,420	-116,183	2,445,728
Vanguard TSM Index (VITSX)	2,672,816	-19,118	-	-	-	-	11,260	-129,583	2,535,376
Total International Equity	2,744,260	-22,941	-	-	-	-	-	-255,497	2,465,822
Europacific Growth (RERGX)	2,744,260	-22,941	-	-	-	-	-	-255,497	2,465,822
Total Fixed Income	5,137,596	-53,529	-	-	-3,156	-628	39,255	-281,990	4,837,548
Domestic Fixed Income	4,219,346	-45,882	-	-	-3,156	-628	28,842	-248,641	3,949,881
Garcia Hamilton Fixed Income	4,219,346	-45,882	-	-	-3,156	-628	28,842	-248,641	3,949,881
Global Fixed Income	918,250	-7,647	-	-	-	-	10,413	-33,349	887,667
PIMCO Diversified Income (PDIIX)	918,250	-7,647	-	-	-	-	10,413	-33,349	887,667
Total Real Estate	1,996,506	-		-	-4,991	-	-	44,613	2,036,129
ASB Core Real Estate	1,996,506	_	_	-	-4,991	_	-	44,613	2,036,129
	1,990,900	-	-	-	-4,991	-	-	44,013	2,030,123
Cash Accounts									
Receipt & Disbursement	135,026	152,941	51,962	-176,671	-	-28,394	194	-	135,057
Total Fund	20,711,348	-	51,962	-176,671	-8,147	-29,022	77,143	-1,063,673	19,562,940



Lantana Police Officers' Retirement System Financial Reconciliation October 1, 2021 To September 30, 2022

	Market Value 10/01/2021	Net Transfers	Contributions	Distributions	Management Fees	Other Expenses	Income	Capital Gain/Loss	Market Value 09/30/2022
Total Equity	15,947,888	-57,812	-	-	-	-	211,309	-3,547,179	12,554,206
Total Domestic Equity	12,256,187	-44,471	-	-	-	-	152,949	-2,276,282	10,088,384
JP Morgan Disciplined Equity (JDEUX)	3,122,325	-11,118	-	-	-	-	35,867	-480,718	2,666,357
Parnassus Core Equity (PRILX)	2,975,622	-11,118	-	-	-	-	33,830	-557,412	2,440,922
Vanguard Mid-Cap Index (VIMAX)	3,052,076	-11,118	-	-	-	-	39,433	-634,663	2,445,728
Vanguard TSM Index (VITSX)	3,106,165	-11,118	-	-	-	-	43,818	-603,489	2,535,376
Total International Equity	3,691,700	-13,341	-	-	-	-	58,360	-1,270,897	2,465,822
Europacific Growth (RERGX)	3,691,700	-13,341	-	-	-	-	58,360	-1,270,897	2,465,822
Total Fixed Income	5,234,093	382,871	-	-	-13,227	-2,506	148,194	-911,877	4,837,548
Domestic Fixed Income	4,565,492	-26,682	-	-	-13,227	-2,506	108,670	-681,867	3,949,881
Garcia Hamilton Fixed Income	4,565,492	-26,682	-	-	-13,227	-2,506	108,670	-681,867	3,949,881
Global Fixed Income	668,601	409,553	-	-	-	-	39,523	-230,010	887,667
PIMCO Diversified Income (PDIIX)	668,601	409,553	-	-	-	-	39,523	-230,010	887,667
Total Real Estate	1,716,579	-	-	-	-20,705	-		340,255	2,036,129
ASB Core Real Estate	1,716,579	-	-	-	-20,705	-	-	340,255	2,036,129
Cash Accounts									
Receipt & Disbursement	130,789	-325,059	1,134,330	-705,984	-	-99,280	262	-	135,057
Total Fund	23,029,348	-	1,134,330	-705,984	-33,932	-101,786	359,765	-4,118,800	19,562,940



Lantana Police Officers' Retirement System Trailing Returns

As of September 30, 2022

		R	FY	TD	1`	ΥR	3	YR	5`	ΥR	7	ſR	Ince	ption	Inceptior Date
Total Fund (Gross)	-4.82	(67)	-16.05	(72)	-16.05	(72)	4.10	(38)	5.29	(27)	6.87	(31)	6.88	(32)	07/01/2003
Total Fund Policy	-4.75	(65)	-14.34	(49)	-14.34	(49)	4.77	(21)	5.70	(15)	7.53	(11)	6.67	(47)	
All Public Plans-Total Fund Median	-4.42		-14.53		-14.53		3.66		4.65		6.45		6.63		
Fotal Fund (Net)	-4.86		-16.18		-16.18		3.94		5.12		6.69		6.65		07/01/2003
Fotal Equity	-5.89		-20.91		-20.91		5.57		6.69		8.94		8.89		07/01/2003
Total Equity Policy	-5.80		-19.42		-19.42		5.50		6.36		9.14		7.61		
Domestic Equity	-5.01	(60)	-17.31	(51)	-17.31	(51)	7.51	(31)	8.73	(17)	10.42	(27)	8.65	(60)	04/01/2011
Total Domestic Equity Policy	-4.46	(41)	-17.63	(54)	-17.63	(54)	7.70	(26)	8.62	(18)	10.90	(13)	10.77	(11)	
IM U.S. Multi-Cap Core Equity (MF) Median	-4.63		-17.30		-17.30		6.41		7.12		9.14		9.09		
International Equity	-9.33	(27)	-32.85	(100)	-32.85	(100)	-1.24	(44)	-0.23	(18)	3.75	(14)	3.25	(5)	04/01/2011
Total International Equity Policy	-9.80	(41)	-24.79	(34)	-24.79	(34)	-1.07	(40)	-0.34	(19)	3.78	(14)	2.36	(30)	
IM International Large Cap Core Equity (MF) Median	-10.18		-25.40		-25.40		-1.80		-1.40		2.23		1.93		
Total Fixed Income	-4.75		-13.58		-13.58		-3.57		-0.74		0.60		2.39		07/01/2003
Total Fixed Income Policy	-4.57		-14.99		-14.99		-3.20		-0.34		0.82		2.85		
Domestic Fixed Income	-5.23	(97)	-12.62	(7)	-12.62	(7)	-2.63	(41)	0.19	(50)	0.98	(62)	2.61	(100)	07/01/2003
Total Domestic Fixed Income Policy	-4.75	(77)	-14.60	(62)	-14.60	(62)	-3.26	(93)	-0.27	(97)	0.54	(98)	2.82	(99)	
IM U.S. Broad Market Core Fixed Income (SA+CF) Median	-4.54		-14.38		-14.38		-2.71		0.18		1.08		3.37		
Global Fixed Income	-2.51	(25)	-17.64	(51)	-17.64	(51)	-7.57	(96)	-4.51	(99)	-1.07	(87)	-1.38	(93)	11/01/2013
Total Global Fixed Income Policy	-3.84	(44)	-16.53	(49)	-16.53	(49)	-3.11	(32)	-0.74	(42)	1.81	(13)	1.26	(20)	
IM Global Fixed Income (MF) Median	-4.13		-17.63		-17.63		-4.56		-1.13		0.24		-0.11		
Total Real Estate	2.23	(5)	19.94	(55)	19.94	(55)	11.19	(66)	9.20	(69)	N/A		8.04	(78)	01/01/2016
NCREIF Fund Index-Open End Diversified Core (EW)	0.96	(30)	22.76	(28)	22.76	(28)	13.07	(31)	10.80	(43)	10.35	(44)	10.20	(44)	
IM U.S. Open End Private Real Estate (SA+CF) Median	0.56		20.19		20.19		12.14		10.65		10.12		10.00		



Lantana Police Officers' Retirement System

Trailing Returns

2

As of September 30, 2022

													Incontion		
	QT	R	FY	TD	1 \	ΥR	3 \	/R	5 ٦	(R	ן 7	ſR	Ince	otion	Inception Date
Domestic Equity Strategies															
JP Morgan Disciplined Equity (JDEUX)	-4.58	(29)	-14.23	(22)	-14.23	(22)	9.91	(5)	9.85	(12)	11.32	(16)	10.62	(21)	09/01/2015
S&P 500 Index	-4.88	(42)	-15.47	(31)	-15.47	(31)	8.16	(24)	9.24	(26)	11.40	(15)	10.87	(13)	
IM U.S. Large Cap Core Equity (MF) Median	-5.16		-17.11		-17.11		7.23		8.43		10.39		9.81		
Parnassus Core Equity (PRILX)	-6.88	(92)	-17.58	(60)	-17.58	(60)	7.08	(54)	9.82	(12)	10.79	(36)	10.35	(31)	09/01/2015
S&P 500 Index	-4.88	(42)	-15.47	(31)	-15.47	(31)	8.16	(24)	9.24	(26)	11.40	(15)	10.87	(13)	
IM U.S. Large Cap Core Equity (MF) Median	-5.16		-17.11		-17.11		7.23		8.43		10.39		9.81		
/anguard Mid-Cap Index (VIMAX)	-4.14	(43)	-19.49	(91)	-19.49	(91)	5.47	(37)	6.64	(19)	8.68	(20)	8.00	(18)	09/01/2015
Russell Midcap Index	-3.44	(32)	-19.39	(90)	-19.39	(90)	5.19	(42)	6.48	(22)	8.79	(16)	8.12	(16)	
IM U.S. Mid Cap Core Equity (MF) Median	-4.32		-14.07		-14.07		4.68		5.27		7.43		6.69		
Vanguard TSM Index (VITSX)	-4.46	(41)	-18.01	(60)	-18.01	(60)	7.60	(28)	8.56	(20)	10.85	(15)	11.52	(18)	09/01/2012
Russell 3000 Index	-4.46	(41)	-17.63	(54)	-17.63	(54)	7.70	(26)	8.62	(18)	10.90	(13)	11.57	(16)	
IM U.S. Multi-Cap Core Equity (MF) Median	-4.63		-17.30		-17.30		6.41		7.12		9.14		10.32		
nternational Equity Strategies															
Europacific Growth (RERGX)	-9.33	(27)	-32.85	(100)	-32.85	(100)	-1.24	(44)	-0.23	(18)	3.74	(14)	3.87	(1)	03/01/2013
MSCI AC World ex USA	-9.80	(41)	-24.79	(34)	-24.79	(34)	-1.07	(40)	-0.34	(19)	3.78	(14)	2.70	(23)	
IM International Large Cap Core Equity (MF) Median	-10.18	()	-25.40	()	-25.40	()	-1.80	()	-1.40	()	2.23	(11)	1.95	()	
Domestic Fixed Income Strategies															
Garcia Hamilton Fixed Income	-5.23	(97)	-12.62	(7)	-12.62	(7)	-2.63	(41)	0.19	(50)	0.98	(62)	1.09	(60)	12/01/2014
Blmbg. U.S. Aggregate Index	-4.75	(77)	-14.60	(62)	-14.60	(62)	-3.26	(93)	-0.27	(97)	0.54	(98)	0.64	(99)	
IM U.S. Broad Market Core Fixed Income (SA+CF) Median	-4.54		-14.38		-14.38		-2.71		0.18		1.08	. ,	1.14		
Global Fixed Income Strategies															
PIMCO Diversified Income (PDIIX)	-2.51	(25)	-17.64	(51)	-17.64	(51)	N/A		N/A		N/A		-10.27	(48)	03/01/2021
Blmbg. Global Credit (Hedged)	-3.84	(44)	-16.53	(49)	-16.53	(49)	-3.37	(37)	0.08	(23)	1.76	(14)	-9.95	(47)	
IM Global Fixed Income (MF) Median	-4.13	. /	-17.63		-17.63		-4.56		-1.13	× /	0.24	× /	-11.53	× /	
Real Estate Strategies															
ASB Core Real Estate	2.23	(5)	19.94	(55)	19.94	(55)	11.19	(66)	9.20	(69)	N/A		8.04	(78)	01/01/2016
NCREIF Fund Index-Open End Diversified Core (EW)	0.96	(30)	22.76	(28)	22.76	(28)	13.07	(31)	10.80	(43)	10.35	(44)	10.20	(44)	
IM U.S. Open End Private Real Estate (SA+CF) Median	0.56	× - /	20.19	x - 7	20.19	x = /	12.14	× /	10.65	x = /	10.12	× /	10.00	× /	

Lantana Police Officers' Retirement System Fiscal Year Returns

As of September 30, 2022

Comparative Performance														
	FY	TD	FY 2	2021	FY 2	2020	FY 2	2019	FY 2	2018	FY 2	2017	FY 2	2016
Total Fund (Gross)	-16.05	(72)	21.13	(45)	10.92	(11)	4.92	(31)	9.35	(15)	12.38	(43)	9.45	(64)
Total Fund Policy	-14.34	(49)	20.89	(47)	11.04	(11)	4.77	(35)	9.52	(14)	13.13	(28)	11.38	(9)
All Public Plans-Total Fund Median	-14.53	()	20.73	()	7.53	()	4.27	()	7.49	()	12.01	()	9.80	(-)
Total Fund (Net)	-16.18		20.96		10.74		4.72		9.16		12.22		9.25	
Total Equity	-20.91		30.20		14.25		4.25		12.70		17.52		12.08	
Total Equity Policy	-19.42		30.03		12.06		2.04		13.62		19.14		13.68	
Domestic Equity	-17.31	(51)	31.82	(40)	14.02	(36)	5.21	(20)	16.21	(45)	16.60	(66)	12.96	(31)
Total Domestic Equity Policy	-17.63	(54)	31.88	(39)	15.00	(24)	2.92	(36)	17.58	(23)	18.71	(41)	14.96	(12)
IM U.S. Multi-Cap Core Equity (MF) Median	-17.30		30.66		11.15		1.49		15.61		18.24		11.19	
International Equity	-32.85	(100)	24.76	(46)	14.98	(1)	1.14	(5)	1.48	(46)	20.63	(31)	8.48	(24)
Total International Equity Policy	-24.79	(34)	24.45	(48)	3.45	(45)	-0.72	(21)	2.25	(19)	20.15	(33)	9.80	(16)
IM International Large Cap Core Equity (MF) Median	-25.40		24.28		2.82		-2.78		1.30		18.72		5.11	
Total Fixed Income	-13.58		-1.10		4.89		7.21		0.26		2.90		5.12	
Total Fixed Income Policy	-14.99		0.09		6.60		9.69		-1.19		0.62		7.01	
Domestic Fixed Income	-12.62	(7)	-1.37	(95)	7.12	(66)	8.42	(97)	0.87	(3)	0.31	(68)	5.72	(46)
Total Domestic Fixed Income Policy	-14.60	(62)	-0.90	(84)	6.98	(76)	10.30	(69)	-1.22	(87)	0.07	(84)	5.19	(81)
IM U.S. Broad Market Core Fixed Income (SA+CF) Median	-14.38		-0.02		7.53		10.42		-0.75		0.63		5.67	
Global Fixed Income	-17.64	(51)	0.46	(59)	-4.56	(100)	2.49	(99)	-1.92	(65)	13.82	(1)	2.62	(96)
Total Global Fixed Income Policy	-16.53	(49)	4.09	(8)	4.68	(62)	7.19	(57)	-1.16	(48)	2.82	(30)	14.46	(1)
IM Global Fixed Income (MF) Median	-17.63		0.89		5.39		7.65		-1.33		1.10		7.40	
Total Real Estate	19.94	(55)	11.74	(83)	2.58	(26)	4.35	(81)	8.25	(69)	3.60	(100)	N/A	
NCREIF Fund Index-Open End Diversified Core (EW)	22.76	(28)	15.75	(53)	1.74	(48)	6.17	(66)	8.82	(61)	7.81	(51)	10.62	(68)
IM U.S. Open End Private Real Estate (SA+CF) Median	20.19		16.11		1.72		6.80		9.04		7.83		11.39	



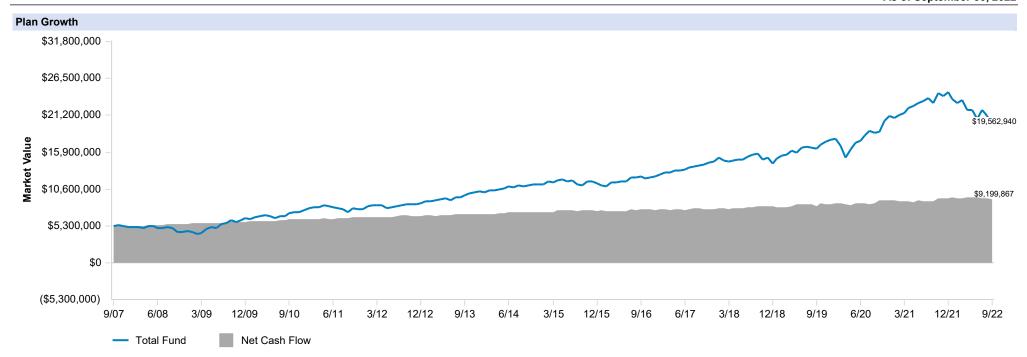
Lantana Police Officers' Retirement System

Fiscal Year Returns

As of September 30, 2022

Domestic Equity Strategies JP Morgan Disciplined Equity (JDEUX) -14.23 (22) 31.05 (20) 18.13 (19) 2.98 (56) 16.98 S&P 500 Index -15.47 (31) 30.00 (38) 15.15 (46) 4.25 (41) 17.91 IM U.S. Large Cap Core Equity (NF) Median -17.58 (60) 28.20 (60) 16.21 (36) 11.42 (4) 16.73 Parnassus Core Equity (RELX) -17.58 (60) 28.20 (60) 16.21 (36) 11.42 (4) 16.73 Vanguard Mid-Cap Index .17.11 29.04 14.72 3.57 16.73 Vanguard Mid-Cap Index (VIMAX) -19.49 (91) 36.09 (67) 7.08 (10) 3.65 (33) 13.43 Russell Midcap Index -19.39 (90) 38.11 (47) 4.55 (17) 3.19 (37) 13.96 M U.S. Muti-Cap Core Equity (MF) Median -17.63 (54) 31.88 (39) 15.00 <th>(33) (50) (33) (24) (19) (21) (23) (46)</th> <th>19.32 18.61 18.34 13.15 18.61 18.34 15.30 15.32 15.17 18.64 18.71 18.24</th> <th>(31) (45) (94) (45) (46) (46) (43) (41)</th> <th> 11.00 15.43 13.01 13.37 15.43 13.01 12.57 14.25 11.88 14.98 14.96 11.19 </th> <th>(76) (18) (45) (18) (44) (27) (11) (12)</th>	(33) (50) (33) (24) (19) (21) (23) (46)	19.32 18.61 18.34 13.15 18.61 18.34 15.30 15.32 15.17 18.64 18.71 18.24	(31) (45) (94) (45) (46) (46) (43) (41)	 11.00 15.43 13.01 13.37 15.43 13.01 12.57 14.25 11.88 14.98 14.96 11.19 	(76) (18) (45) (18) (44) (27) (11) (12)
S&P 500 Index -15.47 (31) 30.00 (38) 15.15 (46) 4.25 (41) 17.94 IM U.S. Large Cap Core Equity (MF) Median -17.11 29.04 14.72 3.57 16.73 Parnassus Core Equity (PRILX) -17.58 (60) 28.20 (60) 16.21 (36) 11.42 (4) 16.75 S&P 500 Index -15.47 (31) 30.00 (38) 15.15 (46) 4.25 (41) 17.91 IM U.S. Large Cap Core Equity (MF) Median -17.11 29.04 14.72 3.57 16.73 Vanguard Mid-Cap Index (VIMAX) -19.49 (91) 36.09 (67) 7.08 (10) 3.65 (33) 13.43 Russell Midcap Index -114.07 37.86 -2.64 1.86 9.96 Vanguard TSM Index (VITSX) -18.01 (60) 32.10 (35) 15.00 (24) 2.89 (38) 17.66 Russell 3000 Index -17.63 (54) 31.88 (39) 15.00 (24) 2.92 (36) 17.58 IM U.S. Multi-Cap Core Equity (MF) Median <th>(33) (50) (33) (24) (19) (21) (23) (46)</th> <th>18.61 18.34 13.15 18.61 18.34 15.30 15.32 15.17 18.64 18.71 18.24 20.64</th> <th> (45) (94) (45) (46) (46) (43) (41) </th> <th>15.43 13.01 13.37 15.43 13.01 12.57 14.25 11.88 14.98 14.96</th> <th>(18) (45) (18) (44) (27) (11)</th>	(33) (50) (33) (24) (19) (21) (23) (46)	18.61 18.34 13.15 18.61 18.34 15.30 15.32 15.17 18.64 18.71 18.24 20.64	 (45) (94) (45) (46) (46) (43) (41) 	15.43 13.01 13.37 15.43 13.01 12.57 14.25 11.88 14.98 14.96	(18) (45) (18) (44) (27) (11)
IM U.S. Large Cap Core Equity (MF) Median -17.11 29.04 14.72 3.57 16.73 Parnassus Core Equity (PRILX) -17.58 (60) 28.20 (60) 16.21 (36) 11.42 (4) 16.73 S&P 500 Index -15.47 (31) 30.00 (38) 15.15 (46) 4.25 (41) 17.91 IM U.S. Large Cap Core Equity (MF) Median -17.11 29.04 14.72 3.57 16.73 Vanguard Mid-Cap Index (VIMAX) -19.49 (91) 36.09 (67) 7.08 (10) 3.65 (33) 13.43 Russell Midcap Index -19.39 (90) 38.11 (47) 4.55 (17) 3.19 (37) 13.96 IM U.S. Mid Cap Core Equity (MF) Median -14.07 37.86 -2.64 1.86 9.96 Vanguard TSM Index (VITSX) -18.01 (60) 32.10 (35) 15.00 (24) 2.89 (38) 17.56 IM U.S. Multi-Cap Core Equity (MF) Median -17.30 30.66 11.15 1.49 15.61 IM U.S. Multi-Cap Core Equity (MF) Median -24.79 <td< th=""><th>(50) (33) (24) (19) (21) (23) (46)</th><th>18.34 13.15 18.61 18.34 15.30 15.32 15.17 18.64 18.71 18.24 20.64</th><th>(94) (45) (46) (46) (43) (41)</th><th>13.01 13.37 15.43 13.01 12.57 14.25 11.88 14.98 14.96</th><th>(45) (18) (44) (27) (11)</th></td<>	(50) (33) (24) (19) (21) (23) (46)	18.34 13.15 18.61 18.34 15.30 15.32 15.17 18.64 18.71 18.24 20.64	(94) (45) (46) (46) (43) (41)	13.01 13.37 15.43 13.01 12.57 14.25 11.88 14.98 14.96	(45) (18) (44) (27) (11)
Parnassus Core Equity (PRILX) -17.58 (60) 28.20 (60) 16.21 (36) 11.42 (4) 16.75 S&P 500 Index -15.47 (31) 30.00 (38) 15.15 (46) 4.25 (41) 17.91 IM U.S. Large Cap Core Equity (MF) Median -17.11 29.04 14.72 3.57 16.73 Vanguard Mid-Cap Index (VIMAX) -19.49 (91) 36.09 (67) 7.08 (10) 3.65 (33) 13.43 Russell Midcap Index -19.39 (90) 38.11 (47) 4.55 (17) 3.19 (37) 13.98 M U.S. Mid Cap Core Equity (MF) Median -14.07 37.86 -2.64 1.86 9.96 Vanguard TSM Index (VITSX) -18.01 (60) 32.10 (35) 15.00 (24) 2.89 (38) 17.65 Russell 3000 Index -17.30 30.66 11.15 1.49 15.61 IM U.S. Multi-Cap Core Equity (MF) Median -17.30 30.66 11.15 1.49 15.61 International Equity Strategies -24.79 (34) 24.45	(50) (33) (24) (19) (21) (23) (46)	13.15 18.61 18.34 15.30 15.32 15.17 18.64 18.71 18.24 20.64	(45) (46) (46) (43) (41)	 13.37 15.43 13.01 12.57 14.25 11.88 14.98 14.96 	(18) (44) (27) (11)
S&P 500 Index -15.47 (31) 30.00 (38) 15.15 (46) 4.25 (41) 17.94 IM U.S. Large Cap Core Equity (MF) Median -17.11 29.04 14.72 3.57 16.73 Vanguard Mid-Cap Index (VIMAX) -19.49 (91) 36.09 (67) 7.08 (10) 3.65 (33) 13.43 Russell Midcap Index -19.39 (90) 38.11 (47) 4.55 (17) 3.19 (37) 13.98 IM U.S. Mid Cap Core Equity (MF) Median -14.07 37.86 -2.64 1.86 9.96 Vanguard TSM Index (VITSX) -18.01 (60) 32.10 (35) 15.00 (24) 2.89 (38) 17.65 Russell 3000 Index -17.63 (54) 31.88 (39) 15.00 (24) 2.92 (36) 17.56 IM U.S. Multi-Cap Core Equity (MF) Median -17.30 30.66 11.15 1.49 15.61 International Equity Strategies -24.79 (34) 24.45 (48) 3.45 (45) -0.72 (21) 2.25 IM Intemational Larg	(33) (24) (19) (21) (23) (46)	18.61 18.34 15.30 15.32 15.17 18.64 18.71 18.24 20.64	(45) (46) (46) (43) (41)	15.43 13.01 12.57 14.25 11.88 14.98 14.96	(18) (44) (27) (11)
IM U.S. Large Cap Core Equity (MF) Median -17.11 29.04 14.72 3.57 16.73 Vanguard Mid-Cap Index (VIMAX) -19.49 (91) 36.09 (67) 7.08 (10) 3.65 (33) 13.43 Russell Midcap Index -19.39 (90) 38.11 (47) 4.55 (17) 3.19 (37) 13.98 IM U.S. Mid Cap Core Equity (MF) Median -14.07 37.86 -2.64 1.86 9.96 Vanguard TSM Index (VITSX) -18.01 (60) 32.10 (35) 15.00 (24) 2.89 (38) 17.65 Russell 3000 Index -17.63 (54) 31.88 (39) 15.00 (24) 2.92 (36) 17.58 IM U.S. Multi-Cap Core Equity (MF) Median -17.30 30.66 11.15 1.49 15.61 International Equity Strategies -24.79 (34) 24.45 (48) 3.45 (45) -0.72 (21) 2.25 IM International Large Cap Core Equity (MF) Median -25.40 24.28 2.82 -2.78 1.30 Domestic Fixed Income -12.62 (7) </td <td>(24) (19) (21) (23) (46)</td> <td>18.34 15.30 15.32 15.17 18.64 18.71 18.24 20.64</td> <td>(46) (46) (43) (41)</td> <td>13.01 12.57 14.25 11.88 14.98 14.96</td> <td>(44) (27) (11)</td>	(24) (19) (21) (23) (46)	18.34 15.30 15.32 15.17 18.64 18.71 18.24 20.64	(46) (46) (43) (41)	13.01 12.57 14.25 11.88 14.98 14.96	(44) (27) (11)
Vanguard Mid-Cap Index (VIMAX) -19.49 (91) 36.09 (67) 7.08 (10) 3.65 (33) 13.43 Russell Midcap Index -19.39 (90) 38.11 (47) 4.55 (17) 3.19 (37) 13.98 IM U.S. Mid Cap Core Equity (MF) Median -14.07 37.86 -2.64 1.86 9.96 Vanguard TSM Index (VITSX) -18.01 (60) 32.10 (35) 15.00 (24) 2.89 (38) 17.65 Russell 3000 Index -17.63 (54) 31.88 (39) 15.00 (24) 2.92 (36) 17.58 IM U.S. Multi-Cap Core Equity (MF) Median -17.30 30.66 11.15 1.49 15.61 International Equity Strategies -24.79 (34) 24.45 (48) 3.45 (45) -0.72 (21) 2.25 IM International Large Cap Core Equity (MF) Median -25.40 24.28 2.82 -2.78 1.30 Domestic Fixed Income Strategies -14.60 (62) -0.90 (84) 6.98 (76) 10.30 (69) -1.22	(24) (19) (21) (23) (46)	15.30 15.32 15.17 18.64 18.71 18.24 20.64	(46) (43) (41)	12.57 14.25 11.88 14.98 14.96	(27)
Russell Midcap Index -19.39 (90) 38.11 (47) 4.55 (17) 3.19 (37) 13.96 IM U.S. Mid Cap Core Equity (MF) Median -14.07 37.86 -2.64 1.86 9.96 Vanguard TSM Index (VITSX) -18.01 (60) 32.10 (35) 15.00 (24) 2.89 (36) 17.56 Russell 3000 Index -17.63 (54) 31.88 (39) 15.00 (24) 2.92 (36) 17.56 IM U.S. Multi-Cap Core Equity (MF) Median -17.30 30.66 11.15 1.49 15.61 International Equity Strategies -24.79 (34) 24.45 (48) 3.45 (45) -0.72 (21) 2.25 IM International Large Cap Core Equity (MF) Median -25.40 24.28 2.82 -2.78 1.30 Domestic Fixed Income -12.62 (7) -1.37 (95) 7.12 (66) 8.42 (97) 0.87 Bimbg. U.S. Aggregate Index -14.60 (62) -0.90 (84) 6.98 (76) 10.30 (69) -1.22 IM U.S. B	(19) (21) (23) (46)	15.32 15.17 18.64 18.71 18.24 20.64	(46) (43) (41)	14.25 11.88 14.98 14.96	(27)
IM U.S. Mid Cap Core Equity (MF) Median -14.07 37.86 -2.64 1.86 9.96 Vanguard TSM Index (VITSX) -18.01 (60) 32.10 (35) 15.00 (24) 2.89 (38) 17.68 Russell 3000 Index -17.63 (54) 31.88 (39) 15.00 (24) 2.92 (36) 17.58 IM U.S. Multi-Cap Core Equity (MF) Median -17.30 30.66 11.15 1.49 15.61 International Equity Strategies - -32.85 (100) 24.76 (46) 14.96 (1) 1.14 (5) 1.47 MSCI AC World ex USA -24.79 (34) 24.45 (48) 3.45 (45) -0.72 (21) 2.25 IM International Large Cap Core Equity (MF) Median -25.40 24.28 2.82 -2.78 1.30 Domestic Fixed Income -12.62 (7) -1.37 (95) 7.12 (66) 8.42 (97) 0.87 Blmbg. U.S. Aggregate Index -14.80 -0.02 7.53 10.42 -0.75 IM U.S. Broad Market Core Fixed Income (SA+CF) Median -14.	(21) (23) (46)	15.17 18.64 18.71 18.24 20.64	(43) (41)	11.88 14.98 14.96	(11)
Vanguard TSM Index (VITSX) -18.01 (60) 32.10 (35) 15.00 (24) 2.89 (38) 17.65 Russell 3000 Index -17.63 (54) 31.88 (39) 15.00 (24) 2.92 (36) 17.58 IM U.S. Multi-Cap Core Equity (MF) Median -17.30 30.66 11.15 1.49 15.61 International Equity Strategies -17.30 30.66 14.96 (1) 1.14 (5) 1.47 MSCI AC World ex USA -24.79 (34) 24.45 (48) 3.45 (45) -0.72 (21) 2.25 IM International Large Cap Core Equity (MF) Median -25.40 24.28 2.82 -2.78 1.30 Domestic Fixed Income -12.62 (7) -1.37 (95) 7.12 (66) 8.42 (97) 0.87 Blmbg. U.S. Aggregate Index -14.60 (62) -0.90 (84) 6.98 (76) 10.30 (69) -1.22 IM U.S. Broad Market Core Fixed Income (SA+CF) Median -14.38 -0.02 7.53 10.42 -0.75 Global Fixed Income Strategies	(21) (23) (46)	18.64 18.71 18.24 20.64	(41)	14.98 14.96	• •
Russell 3000 Index -17.63 (54) 31.88 (39) 15.00 (24) 2.92 (36) 17.58 IM U.S. Multi-Cap Core Equity (MF) Median -17.30 30.66 11.15 1.49 15.61 International Equity Strategies -17.30 30.66 11.15 1.49 15.61 Europacific Growth (RERGX) -32.85 (100) 24.76 (46) 14.96 (1) 1.14 (5) 1.47 MSCI AC World ex USA -24.79 (34) 24.45 (48) 3.45 (45) -0.72 (21) 2.25 IM International Large Cap Core Equity (MF) Median -25.40 24.28 2.82 -2.78 1.30 Domestic Fixed Income Strategies -12.62 (7) -1.37 (95) 7.12 (66) 8.42 (97) 0.87 Blmbg. U.S. Aggregate Index -14.60 (62) -0.90 (84) 6.98 (76) 10.30 (69) -1.22 IM U.S. Broad Market Core Fixed Income (SA+CF) Median -14.38 -0.02 7.53 10.42 -0.75 Global Fixed Income Strategies	(23)	18.71 18.24 20.64	(41)	14.96	• •
IM U.S. Multi-Cap Core Equity (MF) Median -17.30 30.66 11.15 1.49 15.61 International Equity Strategies Europacific Growth (RERGX) -32.85 (100) 24.76 (46) 14.96 (1) 1.14 (5) 1.47 MSCI AC World ex USA -24.79 (34) 24.45 (48) 3.45 (45) -0.72 (21) 2.25 IM International Large Cap Core Equity (MF) Median -25.40 24.28 2.82 -2.78 1.30 Domestic Fixed Income Strategies -12.62 (7) -1.37 (95) 7.12 (66) 8.42 (97) 0.87 Blmbg. U.S. Aggregate Index -14.60 (62) -0.90 (84) 6.98 (76) 10.30 (69) -1.22 IM U.S. Broad Market Core Fixed Income (SA+CF) Median -14.38 -0.02 7.53 10.42 -0.75 Global Fixed Income Strategies -0.02 7.53 10.42 -0.75	(46)	18.24 20.64			(12)
International Equity Strategies Europacific Growth (RERGX) -32.85 (100) 24.76 (46) 14.96 (1) 1.14 (5) 1.47 MSCI AC World ex USA -24.79 (34) 24.45 (48) 3.45 (45) -0.72 (21) 2.25 IM International Large Cap Core Equity (MF) Median -25.40 24.28 2.82 -2.78 1.30 Domestic Fixed Income Strategies -12.62 (7) -1.37 (95) 7.12 (66) 8.42 (97) 0.87 Blmbg. U.S. Aggregate Index -14.60 (62) -0.90 (84) 6.98 (76) 10.30 (69) -1.22 Global Fixed Income Strategies -14.38 -0.02 7.53 10.42 -0.75	()	20.64	(21)	11.19	
Europacific Growth (RERGX) -32.85 (100) 24.76 (46) 14.96 (1) 1.14 (5) 1.47 MSCI AC World ex USA -24.79 (34) 24.45 (48) 3.45 (45) -0.72 (21) 2.25 IM International Large Cap Core Equity (MF) Median -25.40 24.28 2.82 -2.78 1.30 Domestic Fixed Income Strategies -12.62 (7) -1.37 (95) 7.12 (66) 8.42 (97) 0.87 Blmbg. U.S. Aggregate Index -14.60 (62) -0.90 (84) 6.98 (76) 10.30 (69) -1.22 IM U.S. Broad Market Core Fixed Income (SA+CF) Median -14.38 -0.02 7.53 10.42 -0.75	()		(21)		
MSCI AC World ex USA -24.79 (34) 24.45 (48) 3.45 (45) -0.72 (21) 2.25 IM International Large Cap Core Equity (MF) Median -25.40 24.28 2.82 -2.78 1.30 Domestic Fixed Income Strategies -12.62 (7) -1.37 (95) 7.12 (66) 8.42 (97) 0.87 Blmbg. U.S. Aggregate Index -14.60 (62) -0.90 (84) 6.98 (76) 10.30 (69) -1.22 IM U.S. Broad Market Core Fixed Income (SA+CF) Median -14.38 -0.02 7.53 10.42 -0.75	()		(21)		
IM International Large Cap Core Equity (MF) Median -25.40 24.28 2.82 -2.78 1.30 Domestic Fixed Income Strategies Garcia Hamilton Fixed Income -12.62 (7) -1.37 (95) 7.12 (66) 8.42 (97) 0.87 Blmbg. U.S. Aggregate Index -14.60 (62) -0.90 (84) 6.98 (76) 10.30 (69) -1.22 IM U.S. Broad Market Core Fixed Income (SA+CF) Median -14.38 -0.02 7.53 10.42 -0.75 Global Fixed Income Strategies -14.38 -0.02 7.53 10.42 -0.75	(19)		(31)	8.48	(24)
Domestic Fixed Income Strategies Garcia Hamilton Fixed Income -12.62 (7) -1.37 (95) 7.12 (66) 8.42 (97) 0.87 Blmbg. U.S. Aggregate Index -14.60 (62) -0.90 (84) 6.98 (76) 10.30 (69) -1.22 IM U.S. Broad Market Core Fixed Income (SA+CF) Median -14.38 -0.02 7.53 10.42 -0.75 Global Fixed Income Strategies		20.15	(33)	9.80	(16)
Garcia Hamilton Fixed Income -12.62 (7) -1.37 (95) 7.12 (66) 8.42 (97) 0.87 Blmbg. U.S. Aggregate Index -14.60 (62) -0.90 (84) 6.98 (76) 10.30 (69) -1.22 IM U.S. Broad Market Core Fixed Income (SA+CF) Median -14.38 -0.02 7.53 10.42 -0.75 Global Fixed Income Strategies		18.72		5.11	
Blmbg. U.S. Aggregate Index -14.60 (62) -0.90 (84) 6.98 (76) 10.30 (69) -1.22 IM U.S. Broad Market Core Fixed Income (SA+CF) Median -14.38 -0.02 7.53 10.42 -0.75 Global Fixed Income Strategies - <td< td=""><td></td><td></td><td></td><td></td><td></td></td<>					
IM U.S. Broad Market Core Fixed Income (SA+CF) Median -14.38 -0.02 7.53 10.42 -0.75 Global Fixed Income Strategies	(3)	0.31	(68)	5.72	(46)
Global Fixed Income Strategies	(87)	0.07	(84)	5.19	(81)
		0.63		5.67	
Templeton Global Total Return (FTTRX) N/A N/A -4.57 (100) 2.50 (99) -1.92	(65)	13.82	(1)	2.62	(96)
Global Fixed Income Index -24.64 (97) 2.91 (19) 4.68 (62) 7.19 (57) -1.16	(48)	2.82	(30)	14.46	(1)
IM Global Fixed Income (MF) Median -17.63 0.89 5.39 7.65 -1.33		1.10		7.40	
PIMCO Diversified Income (PDIIX) -17.64 (51) N/A N/A N/A N/A		N/A		N/A	
Bimbg. Global Credit (Hedged) -16.53 (49) 2.72 (22) 5.26 (53) 10.83 (12) 0.39	(16)	3.04	(29)	9.19	(25)
IM Global Fixed Income (MF) Median -17.63 0.89 5.39 7.65 -1.33		1.10		7.40	
Real Estate Strategies					
ASB Core Real Estate 19.94 (55) 11.74 (83) 2.58 (26) 4.35 (81) 8.25	(69)	3.60	(100)	N/A	
NCREIF Fund Index-Open End Diversified Core (EW) 22.76 (28) 15.75 (53) 1.74 (48) 6.17 (66) 8.82	(61)	7.81	(51)	10.62	(68)
IM U.S. Open End Private Real Estate (SA+CF) Median 20.19 16.11 1.72 6.80 9.04		7.83		11.39	





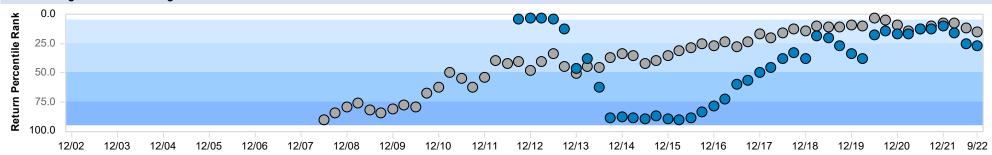
Trailing Returns									
	QTR	YTD	1 YR	2 YR	3 YR	5 YR	7 YR	10 YR	15 YR
Total Fund	-4.82 (67)	-20.35 (82)	-16.05 (72)	0.84 (59)	4.10 (38)	5.29 (27)	6.87 (31)	6.89 (33)	6.16 (10)
Total Fund Policy	-4.75 (65)	-18.95 (61)	-14.34 (49)	1.77 (46)	4.77 (21)	5.70 (15)	7.53 (11)	7.47 (13)	5.93 (14)
Median	-4.42	-18.12	-14.53	1.43	3.66	4.65	6.45	6.65	5.30

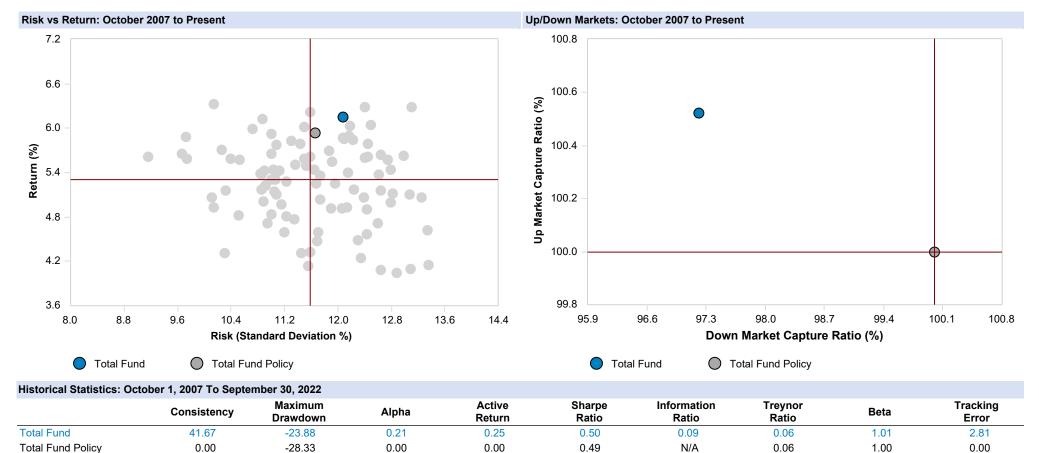
Fiscal Year Returns							
	FYTD	FY 2021	FY2020	FY 2019	FY 2018	FY 2017	FY 2016
Total Fund	-16.05 (72)	21.13 (38)	10.92 (14)	4.92 (33)	9.35 (18)	12.38 (45)	9.45 (62)
Total Fund Policy	-14.34 (49)	20.89 (44)	11.04 (13)	4.77 (37)	9.52 (15)	13.13 (24)	11.38 (5)
Median	-14.53	20.45	7.79	4.41	7.86	12.19	9.78



Peer Group: All Public Plans-Total Fund









Lantana Police Officers' Retirement System **Compliance Statistics** As of September 30, 2022

Multi Time Period Statistics																		
		1 Qtr Return		1 Qtr Er Return Jur Roter Return Return Strategies Return Strategies Return Strategies S		1 Quarter Ending Jun-2022 Return		1 Quarter Ending Mar-2022 Return		1 Quarter Ending Dec-2021 Return		YR urn	n Retu		3 N Do Mar Cap	wn ket	5 א Dov Mar Capt	wn ket
Total Fund (Gross)	-4.82	(67)	-11.62	(89)	-5.31	(78)	5.40	(15)	4.10	(38)	5.29	(27)	107.23	(21)	104.26	(29)		
Total Fund Policy	-4.75	(65)	-11.21	(80)	-4.16	(47)	5.69	(10)	4.77	(21)	5.70	(15)	100.00		100.00			
All Public Plans-Total Fund Median	-4.42		-9.88		-4.28		4.34		3.66		4.65		98.32		97.87			
Total Fund (Net)	-4.86		-11.66		-5.34		5.36		3.94		5.12		107.66		104.87			
Total Fund Policy	-4.75		-11.21		-4.16		5.69		4.77		5.70		100.00		100.00			
Total Equity	-5.89		-15.98		-6.89		7.43		5.57		6.69		102.03		100.02			
Total Equity Policy	-5.80		-15.91		-5.28		7.41		5.50		6.36		100.00		100.00			
Domestic Equity	-5.01	(60)	-16.31	(64)	-5.44	(42)	10.00	(29)	7.51	(31)	8.73	(17)	99.78	(55)	98.09	(64)		
Total Domestic Equity Policy	-4.46	(41)	-16.70	(74)	-5.28	(37)	9.28	(44)	7.70	(26)	8.62	(18)	100.00	. ,	100.00			
IM U.S. Multi-Cap Core Equity (MF) Median	-4.63		-15.83		-5.87		9.15		6.41		7.12		100.45		100.12			
International Equity	-9.33	(27)	-14.65	(83)	-12.24	(100)	-1.13	(100)	-1.24	(44)	-0.23	(18)	111.26	(10)	107.81	(30)		
Total International Equity Policy	-9.80	(41)	-13.54	(62)	-5.33	(21)	1.88	(89)	-1.07	(40)	-0.34	(19)	100.00		100.00			
IM International Large Cap Core Equity (MF) Median	-10.18		-13.27		-6.90		2.93		-1.80		-1.40		100.62		101.89			
Total Fixed Income	-4.75		-4.70		-4.85		0.05		-3.57		-0.74		91.20		85.24			
Total Fixed Income Policy	-4.57		-5.15		-6.08		0.00		-3.20		-0.34		100.00		100.00			
Domestic Fixed Income	-5.23	(97)	-3.68	(6)	-4.32	(2)	0.05	(28)	-2.63	(41)	0.19	(50)	87.96	(87)	81.11	(94)		
Total Domestic Fixed Income Policy	-4.75	(77)	-4.69	(37)	-5.93	(70)	0.01	(33)	-3.26	(93)	-0.27	(97)	100.00		100.00			
IM U.S. Broad Market Core Fixed Income (SA+CF) Median	-4.54		-4.78		-5.81		-0.04		-2.71		0.18		97.93		97.37			
Global Fixed Income	-2.51	(25)	-9.10	(77)	-7.10	(83)	0.04	(8)	-7.57	(96)	-4.51	(99)	96.60	(47)	96.37	(32)		
Total Global Fixed Income Policy	-3.84	(44)	-6.97	(50)	-6.67	(72)	-0.03	(11)	-3.11	(32)	-0.74	(42)	100.00		100.00			
IM Global Fixed Income (MF) Median	-4.13		-7.00		-5.48		-0.70		-4.56		-1.13		90.57		76.80			
Total Real Estate	2.23	(5)	4.51	(43)	7.90	(15)	4.04	(98)	11.19	(66)	9.20	(69)	42.51	(78)	42.51	(78)		
NCREIF Fund Index-Open End Diversified Core (EW)	0.96	(30)	4.55	(42)	7.99	(14)	7.70	(45)	13.07	(31)	10.80	(43)	100.00		100.00			
IM U.S. Open End Private Real Estate (SA+CF) Median	0.56		4.21		6.96		7.57		12.14		10.65		97.33		97.33			



Lantana Police Officers' Retirement System Compliance Statistics

As of September 30, 2022

		1 Qtr Return								1 Qtr Qu Return Jun		Ending E Jun-2022 M		l Irter ling 2022 Jurn	Enc Dec-	1 arter Jing 2021 aurn	3 \ Ret		5 \ Ret		3 Y Dov Mar Capt	wn ket	5 \ Do Mar Cap	wn 'ket
Domestic Equity Strategies																								
JP Morgan Disciplined Equity (JDEUX)	-4.58	(29)	-16.14	(59)	-4.36	(22)	12.07	(9)	9.91	(5)	9.85	(12)	98.48	(66)	100.72	(47)								
S&P 500 Index	-4.88	(42)	-16.10	(58)	-4.60	(26)	11.03	(29)	8.16	(24)	9.24	(26)	100.00		100.00									
IM U.S. Large Cap Core Equity (MF) Median	-5.16		-15.79		-5.62		10.18		7.23		8.43		100.97		100.42									
Parnassus Core Equity (PRILX)	-6.88	(92)	-15.29	(39)	-5.70	(52)	10.79	(35)	7.08	(54)	9.82	(12)	98.91	(63)	91.55	(93)								
S&P 500 Index	-4.88	(42)	-16.10	(58)	-4.60	(26)	11.03	(29)	8.16	(24)	9.24	(26)	100.00		100.00									
IM U.S. Large Cap Core Equity (MF) Median	-5.16		-15.79		-5.62		10.18		7.23		8.43		100.97		100.42									
Vanguard Mid-Cap Index (VIMAX)	-4.14	(43)	-16.96	(93)	-6.32	(83)	7.97	(59)	5.47	(37)	6.64	(19)	98.47	(34)	98.26	(49)								
Russell Midcap Index	-3.44	(32)	-16.85	(91)	-5.68	(77)	6.44	(80)	5.19	(42)	6.48	(22)	100.00	()	100.00	• •								
IM U.S. Mid Cap Core Equity (MF) Median	-4.32		-13.63		-4.08		8.20		4.68	. ,	5.27		93.38		97.43									
Vanguard TSM Index (VITSX)	-4.46	(41)	-16.84	(78)	-5.46	(43)	9.16	(49)	7.60	(28)	8.56	(20)	100.51	(49)	100.25	(48)								
Russell 3000 Index	-4.46	(41)	-16.70	(74)	-5.28	(37)	9.28	(44)	7.70	(26)	8.62	(18)	100.00	(10)	100.00	(10)								
IM U.S. Multi-Cap Core Equity (MF) Median	-4.63	、	-15.83	()	-5.87	(- <i>1</i>	9.15	()	6.41	(-)	7.12		100.45		100.12									
International Equity Strategies																								
Europacific Growth (RERGX)	-9.33	(27)	-14.65	(83)	-12.24	(100)	-1.13	(100)	-1.24	(44)	-0.23	(18)	111.27	(10)	107.82	(30)								
MSCI AC World ex USA	-9.80	(41)	-13.54	(62)	-5.33	(21)	1.88	(89)	-1.07	(40)	-0.34	(19)	100.00		100.00									
IM International Large Cap Core Equity (MF) Median	-10.18		-13.27		-6.90		2.93		-1.80		-1.40		100.62		101.89									
Domestic Fixed Income Strategies																								
Garcia Hamilton Fixed Income	-5.23	(97)	-3.68	(6)	-4.32	(2)	0.05	(28)	-2.63	(41)	0.19	(50)	87.96	(87)	81.11	(94)								
Blmbg. U.S. Aggregate Index	-4.75	(77)	-4.69	(37)	-5.93	(70)	0.01	(33)	-3.26	(93)	-0.27	(97)	100.00		100.00									
IM U.S. Broad Market Core Fixed Income (SA+CF) Median	-4.54		-4.78		-5.81		-0.04		-2.71		0.18		97.93		97.37									
Global Fixed Income Strategies																								
PIMCO Diversified Income (PDIIX)	-2.51	(25)	-9.10	(77)	-7.10	(83)	0.04	(8)	N/A		N/A		N/A		N/A									
Blmbg. Global Credit (Hedged)	-3.84	(44)	-6.97	(50)	-6.67	(72)	-0.03	(11)	-3.37	(37)	0.08	(23)	100.00		100.00									
IM Global Fixed Income (MF) Median	-4.13		-7.00		-5.48		-0.70		-4.56		-1.13		104.56		94.32									
Real Estate Strategies																								
ASB Core Real Estate	2.23	(5)	4.51	(43)	7.90	(15)	4.04	(98)	11.19	(66)	9.20	(69)	42.51	(78)	42.51	(78)								
NCREIF Fund Index-Open End Diversified Core (EW)	0.96	(30)	4.55	(42)	7.99	(14)	7.70	(45)	13.07	(31)	10.80	(43)	100.00		100.00									
IM U.S. Open End Private Real Estate (SA+CF) Median	0.56		4.21		6.96		7.57		12.14		10.65		97.33		97.33									



Lantana Police Officers' Retirement System Fee Analysis

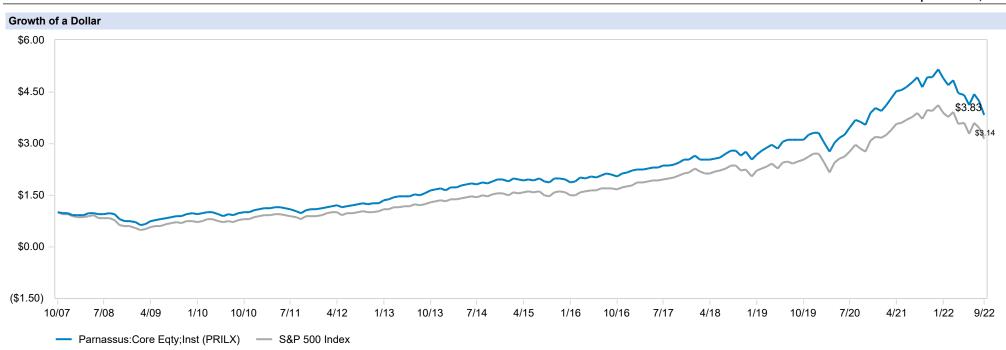
As of September 30, 2022

	Estimated	Estimated 09/30/22 09/30/22		Estimated
	Annual Fee (%)	Market Value	Allocation (%)	Annual Fee (\$)
Domestic Equity				
JP Morgan Disciplined Equity R6 (JDEUX)	0.25	2,666,357	13.63	6,666
Vanguard TSM Index (VITSX)	0.03	2,535,376	12.96	761
Vanguard Mid-Cap Index Adm (VIMAX)	0.05	2,445,728	12.50	1,223
Parnassus Core Equity Inst (PRILX)	0.62	2,440,922	12.48	15,134
International Equity				
Europacific Growth (RERGX)	0.46	2,465,822	12.60	11,343
Domestic Fixed Income				
Garcia Hamilton Fixed Income	0.25	3,949,881	20.19	9,875
Global Fixed Income				
PIMCO Diversified Income (PDIIX)	0.77	887,667	4.54	6,835
Real Estate				
ASB Core Real Estate	1.00	2,036,129	10.41	20,361
Cash Accounts				
Receipt & Disbursement	0.00	135,057	0.69	-
Total Fund	0.37	19,562,940	100.00	72,197



Long-Term Manager Composite Data



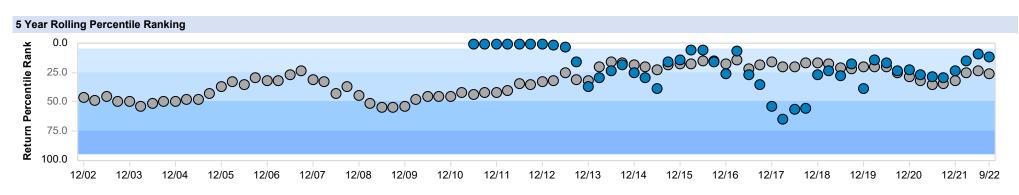


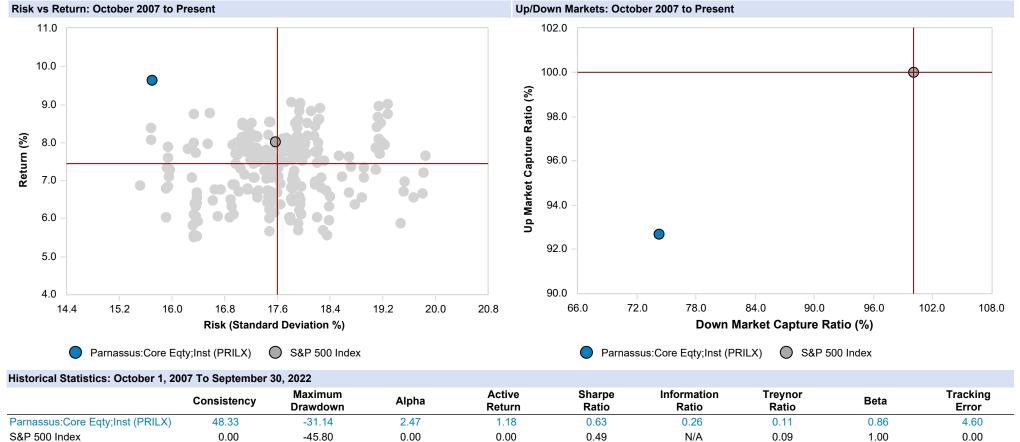
Trailing Returns									
	QTR	YTD	1 YR	2 YR	3 YR	5 YR	7 YR	10 YR	15 YR
Parnassus:Core Eqty;Inst (PRILX)	-6.88 (92)	-25.61 (69)	-17.58 (60)	2.79 (63)	7.08 (54)	9.82 (12)	10.80 (36)	11.74 (14)	9.64 (1)
S&P 500 Index	-4.88 (42)	-23.87 (40)	-15.47 (31)	4.83 (27)	8.16 (24)	9.24 (26)	11.40 (15)	11.70 (15)	8.03 (24)
Median	-5.16	-24.48	-17.11	3.39	7.23	8.43	10.39	10.78	7.44

Fiscal Year Returns							
	FYTD	FY 2021	FY2020	FY 2019	FY 2018	FY 2017	FY 2016
Parnassus:Core Eqty;Inst (PRILX) S&P 500 Index	-17.58 (60) -15.47 (31)	28.20 (60) 30.00 (38)	16.21 (36) 15.15 (46)	11.43 (4) 4.25 (41)	16.74 (50) 17.91 (33)	13.15 (94) 18.61 (45)	13.41 (45) 15.43 (18)
Median	-17.11	29.04	14.72	3.57	16.73	18.34	13.01

October 2007 represents the beginning of the current market cycle. Peer Group: IM U.S. Large Cap Core Equity (MF)





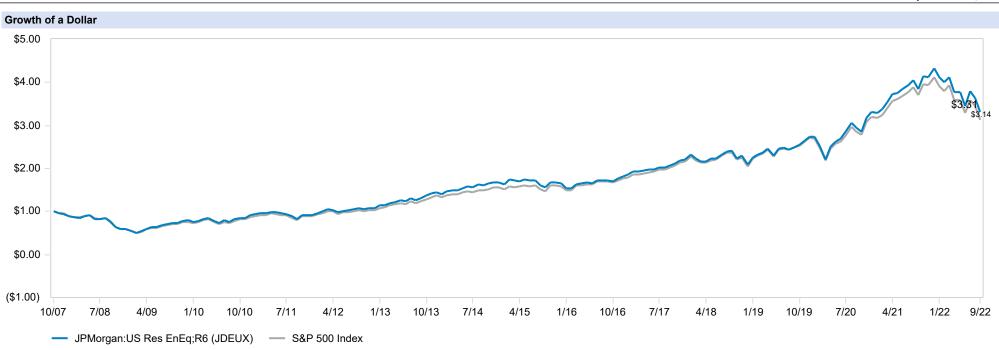


Long-term composite performance. Actual client results may vary.

October 2007 represents the beginning of the current market cycle.

Peer Group: IM U.S. Large Cap Core Equity (MF)





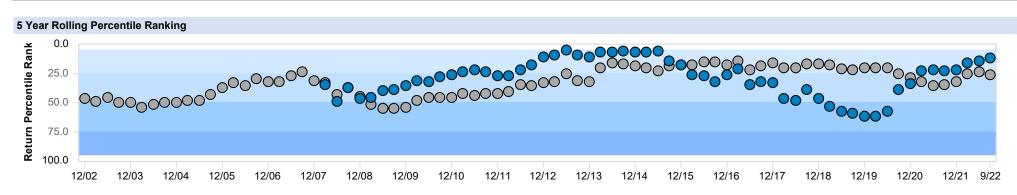
Trailing Returns									
	QTR	YTD	1 YR	2 YR	3 YR	5 YR	7 YR	10 YR	15 YR
JPMorgan:US Res EnEq;R6 (JDEUX)	-4.58 (29)	-23.47 (33)	-14.23 (22)	6.02 (10)	9.91 (5)	9.85 (12)	11.32 (16)	11.81 (12)	8.39 (15)
S&P 500 Index	-4.88 (42)	-23.87 (40)	-15.47 (31)	4.83 (27)	8.16 (24)	9.24 (26)	11.40 (15)	11.70 (15)	8.03 (24)
Median	-5.16	-24.48	-17.11	3.39	7.23	8.43	10.39	10.78	7.44

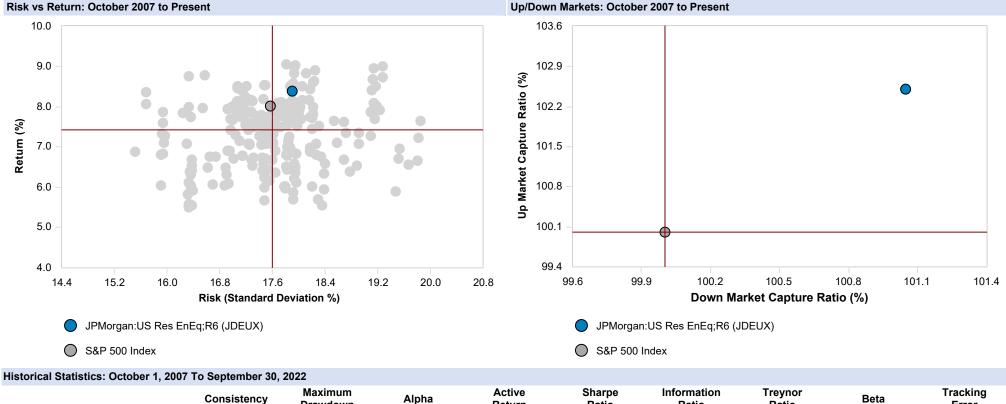
Fiscal Year Returns							
	FYTD	FY 2021	FY2020	FY 2019	FY 2018	FY 2017	FY 2016
JPMorgan:US Res EnEq;R6 (JDEUX)	-14.23 (22)	31.05 (20)	18.13 (19)	2.98 (56)	16.97 (47)	19.31 (32)	11.02 (76)
S&P 500 Index	-15.47 (31)	30.00 (38)	15.15 (46)	4.25 (41)	17.91 (33)	18.61 (45)	15.43 (18)
Median	-17.11	29.04	14.72	3.57	16.73	18.34	13.01

October 2007 represents the beginning of the current market cycle. Peer Group: IM U.S. Large Cap Core Equity (MF)

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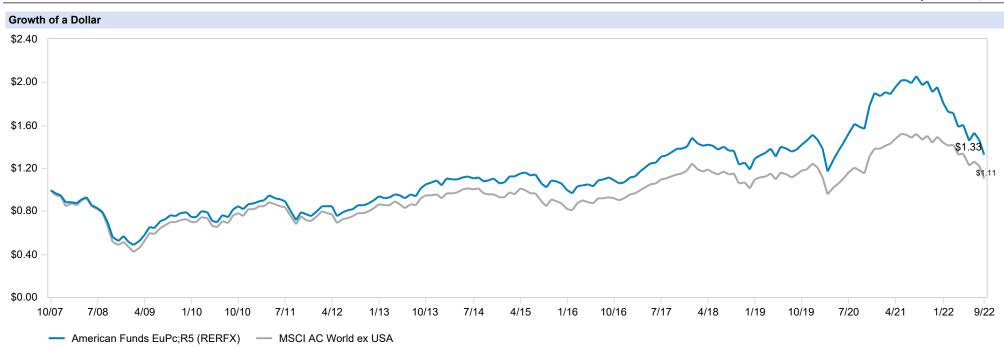
	Consistency	Maximum Drawdown	Alpha	Active Return	Sharpe Ratio	Information Ratio	Treynor Ratio	Beta	Tracking Error
JPMorgan:US Res EnEq;R6 (JDEUX)	61.67	-44.76	0.24	0.38	0.50	0.25	0.09	1.02	1.55
S&P 500 Index	0.00	-45.80	0.00	0.00	0.49	N/A	0.09	1.00	0.00

Long-term composite performance. Actual client results may vary.

October 2007 represents the beginning of the current market cycle.

Peer Group: IM U.S. Large Cap Core Equity (MF)



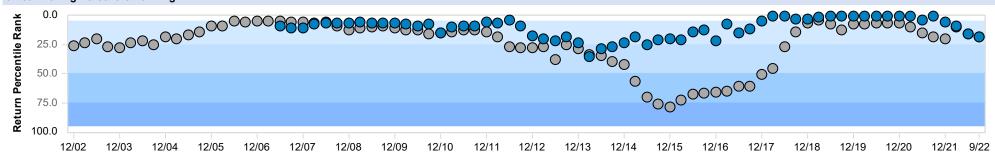


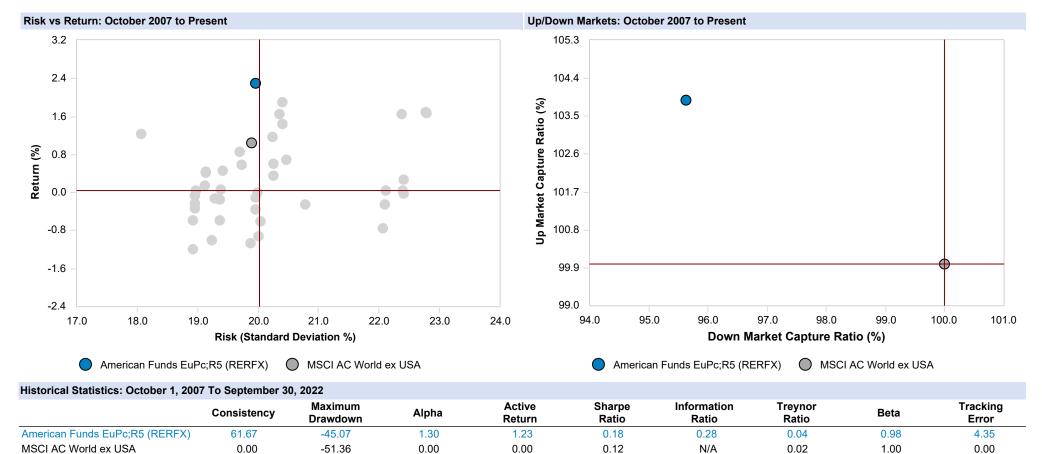
Trailing Returns									
	QTR	YTD	1 YR	2 YR	3 YR	5 YR	7 YR	10 YR	15 YR
American Funds EuPc;R5 (RERFX)	-9.36 (27)	-32.13 (92)	-32.89 (100)	-8.52 (95)	-1.30 (45)	-0.28 (19)	3.70 (16)	4.47 (1)	2.30 (1)
MSCI AC World ex USA	-9.80 (41)	-26.18 (28)	-24.79 (34)	-3.25 (40)	-1.07 (40)	-0.34 (19)	3.78 (14)	3.48 (32)	1.04 (21)
Median	-10.18	-27.74	-25.40	-3.98	-1.80	-1.40	2.23	2.99	0.05

Fiscal Year Returns										
	FYTD	FY 2021	FY2020	FY 2019	FY 2018	FY 2017	FY 2016			
American Funds EuPc;R5 (RERFX)	-32.89 (100)	24.70 (46)	14.91 (1)	1.10 (5)	1.44 (47)	20.56 (32)	8.47 (24)			
MSCI AC World ex USA	-24.79 (34)	24.45 (48)	3.45 (45)	-0.72 (21)	2.25 (19)	20.15 (33)	9.80 (16)			
Median	-25.40	24.28	2.82	-2.78	1.30	18.72	5.11			



5 Year Rolling Percentile Ranking

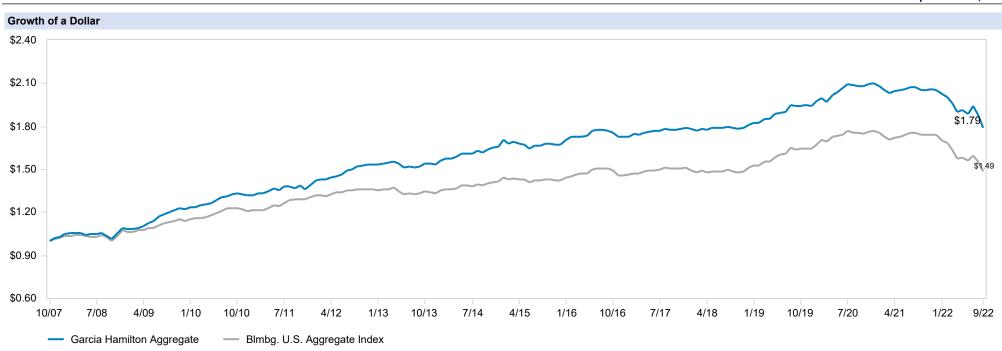




Long-term composite performance. Actual client results may vary.

October 2007 represents the beginning of the current market cycle.

Peer Group: IM International Large Cap Core Equity (MF)

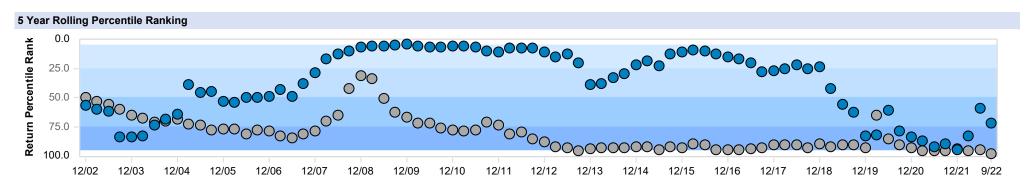


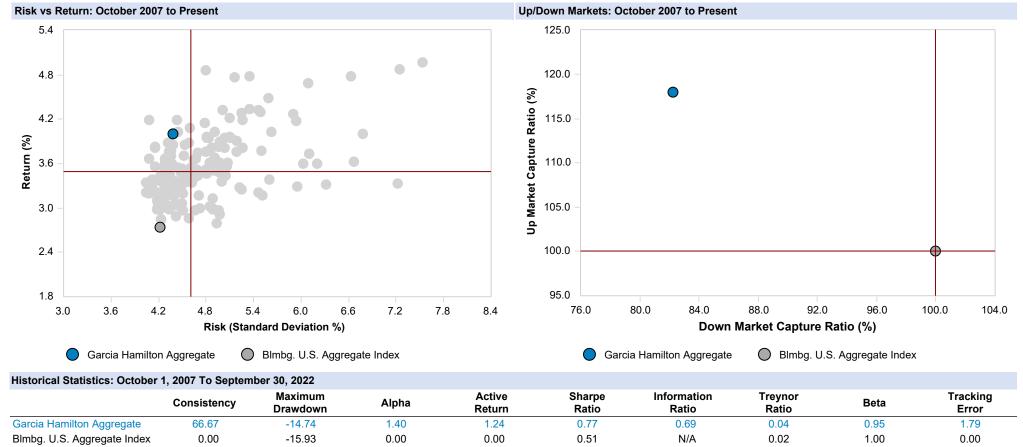
Trailing Returns									
	QTR	YTD	1 YR	2 YR	3 YR	5 YR	7 YR	10 YR	15 YR
Garcia Hamilton Aggregate	-5.20 (96)	-12.90 (12)	-12.95 (14)	-7.32 (55)	-2.70 (63)	0.14 (72)	0.93 (81)	1.66 (45)	4.01 (20)
Blmbg. U.S. Aggregate Index	-4.75 (86)	-14.61 (58)	-14.60 (56)	-8.00 (86)	-3.26 (95)	-0.27 (98)	0.54 (99)	0.89 (99)	2.74 (97)
Median	-4.43	-14.48	-14.49	-7.22	-2.54	0.31	1.24	1.58	3.50

Fiscal Year Returns							
	FYTD	FY 2021	FY2020	FY 2019	FY 2018	FY 2017	FY 2016
Garcia Hamilton Aggregate	-12.95 (14)	-1.34 (97)	7.25 (59)	8.54 (88)	0.73 (8)	0.31 (81)	5.58 (70)
Blmbg. U.S. Aggregate Index	-14.60 (56)	-0.90 (89)	6.98 (71)	10.30 (61)	-1.22 (90)	0.07 (91)	5.19 (86)
Median	-14.49	0.71	7.57	10.39	-0.61	1.05	5.93

Long-term composite performance. Actual client results may vary. October 2007 represents the beginning of the current market cycle. Peer Group: IM U.S. Broad Market Fixed Income (SA+CF)



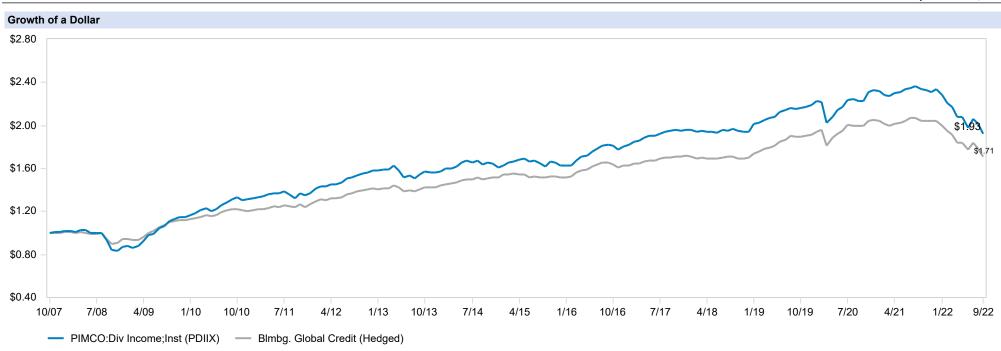




Long-term composite performance. Actual client results may vary.

October 2007 represents the beginning of the current market cycle.

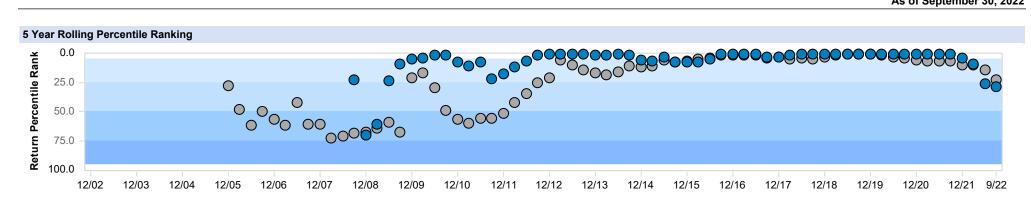
Peer Group: IM U.S. Broad Market Fixed Income (SA+CF)

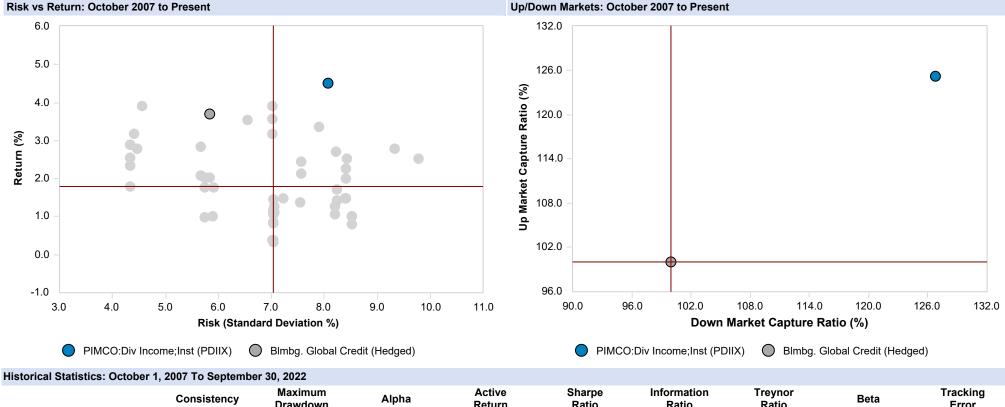


Trailing Returns									
	QTR	YTD	1 YR	2 YR	3 YR	5 YR	7 YR	10 YR	15 YR
PIMCO:Div Income;Inst (PDIIX)	-2.54 (25)	-17.68 (51)	-17.66 (51)	-7.10 (41)	-3.69 (41)	-0.22 (29)	2.53 (5)	2.29 (6)	4.50 (1)
BImbg. Global Credit (Hedged)	-3.84 (44)	-16.51 (49)	-16.53 (49)	-7.41 (41)	-3.37 (37)	0.08 (23)	1.76 (14)	2.13 (8)	3.71 (9)
Median	-4.13	-17.36	-17.63	-8.89	-4.56	-1.13	0.24	-0.26	1.79

Fiscal Year Returns							
	FYTD	FY 2021	FY2020	FY 2019	FY 2018	FY 2017	FY 2016
PIMCO:Div Income;Inst (PDIIX)	-17.66 (51)	4.82 (6)	3.52 (74)	9.52 (20)	1.08 (9)	6.97 (4)	12.55 (2)
Blmbg. Global Credit (Hedged)	-16.53 (49)	2.72 (22)	5.26 (53)	10.83 (12)	0.39 (16)	3.04 (29)	9.19 (25)
Median	-17.63	0.89	5.39	7.65	-1.33	1.10	7.40





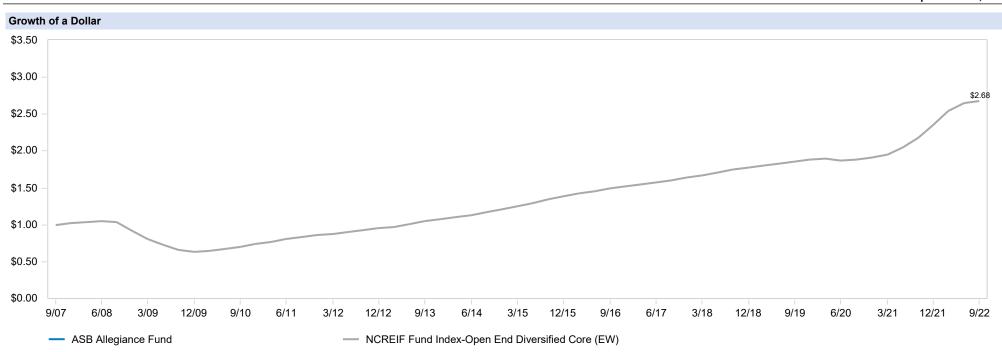


Drawdown Return Ratio Ratio Ratio Error PIMCO:Div Income;Inst (PDIIX) 66.67 -17.68 -0.17 0.93 0.50 0.27 0.03 1.29 3.42 1.00 Blmbg. Global Credit (Hedged) 0.00 -16.85 0.00 0.00 0.53 N/A 0.03 0.00

Long-term composite performance. Actual client results may vary.

October 2007 represents the beginning of the current market cycle.

Peer Group: IM Global Fixed Income (MF)

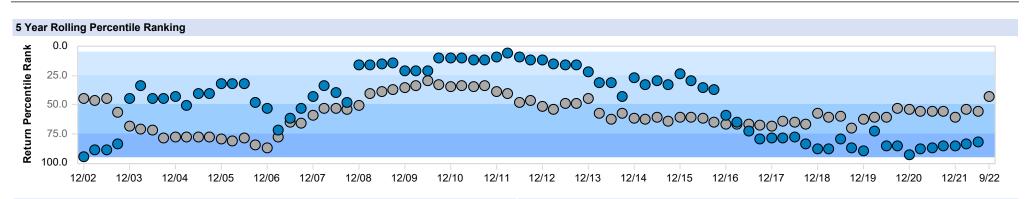


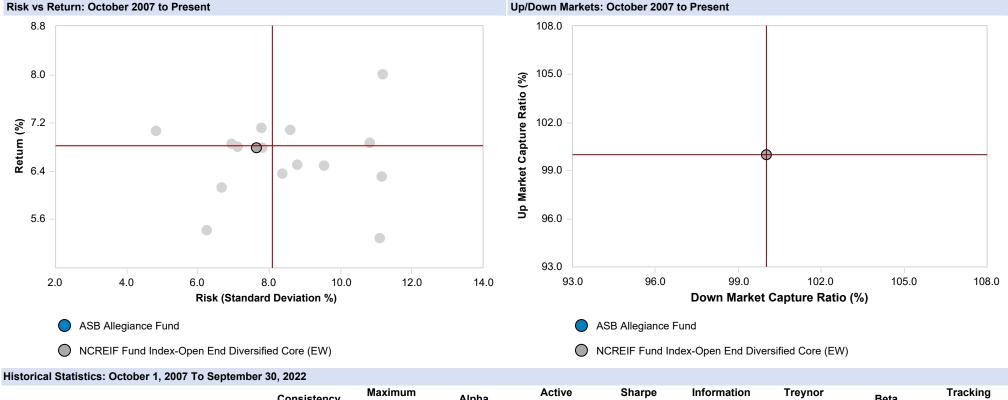
Trailing Returns									
	QTR	YTD	1 YR	2 YR	3 YR	5 YR	7 YR	10 YR	15 YR
ASB Allegiance Fund NCREIF Fund Index-Open End Diversified Core (EW)	N/A 0.96 (30)	N/A 13.99 (21)	N/A 22.76 (28)	N/A 19.21 (31)	N/A 13.07 (31)	N/A 10.80 (43)	N/A 10.35 (44)	N/A 11.19 (51)	N/A 6.80 (58)
Median	0.56	11.79	20.19	18.12	12.14	10.65	10.12	11.19	6.83

Fiscal Year Returns							
	FYTD	FY 2021	FY2020	FY 2019	FY 2018	FY 2017	FY 2016
ASB Allegiance Fund	N/A	11.76 (83)	2.60 (25)	4.36 (81)	8.25 (69)	3.61 (100)	10.65 (67)
NCREIF Fund Index-Open End Diversified Core (EW)	22.76 (28)	15.75 (53)	1.74 (48)	6.17 (66)	8.82 (61)	7.81 (51)	10.62 (68)
Median	20.19	16.11	1.72	6.80	9.04	7.83	11.39

Long-term composite performance. Actual client results may vary. October 2007 represents the beginning of the current market cycle. Peer Group: IM U.S. Open End Private Real Estate (SA+CF)







	Consistency	Maximum Drawdown	Alpha	Active Return	Sharpe Ratio	Information Ratio	Treynor Ratio	Beta	Tracking Error
ASB Allegiance Fund	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NCREIF Fund Index-Open End Diversified Core (EW)	0.00	-39.11	0.00	0.00	0.81	N/A	0.06	1.00	0.00

Long-term composite performance. Actual client results may vary.

October 2007 represents the beginning of the current market cycle. Peer Group: IM U.S. Open End Private Real Estate (SA+CF)

Total Fund Compliance:										Yes	No	N//
. The Total Plan return equaled or exceeded the Net 6.75% actuarial earnings assumption over the trailing three	year perio	d.									✓	
. The Total Plan return equaled or exceeded the Net 6.75% actuarial earnings assumption over the trailing five y	ear period.										✓	
. The Total Plan return equaled or exceeded the total plan benchmark over the trailing three year period.											✓	
. The Total Plan return equaled or exceeded the total plan benchmark over the trailing five year period.											✓	
b. The Total Plan return ranked within the top 40th percentile of its peer group over the trailing three year period.										✓		
6. The Total Plan return ranked within the top 40th percentile of its peer group over the trailing five year period.										\checkmark		
Equity Compliance:										Yes	No	N/
. Total Domestic Equity return equaled or exceeded the benchmark over the trailing three year period.											✓	
. Total Domestic Equity return equaled or exceeded the benchmark over the trailing five year period.										✓		
. Total International Equity return equaled or exceeded the benchmark over the trailing three year period.											✓	
. Total International Equity return equaled or exceeded the benchmark over the trailing five year period.										\checkmark		
5. Total Equity investments do not exceed 75% of the market value of Plan assets.										✓		
6. Total market value of foreign securities do not exceed 25% of the market value of Plan assets.										\checkmark		
Fixed Income Compliance:										Yes	No	N/
. Total Domestic Fixed Income return equaled or exceeded the benchmark over the trailing three year period.										√		
. Total Domestic Fixed Income return equaled or exceeded the benchmark over the trailing five year period.										✓		
. Total Global Fixed Income return equaled or exceeded the benchmark over the trailing three year period.											~	
. Total Global Fixed Income return equaled or exceeded the benchmark over the trailing five year period.											✓	
5. 95% of the fixed income investments have a minimum rating of investment grade or higher.										✓		
	15.14			-	(-			1.07			1.0.4	
Manager Compliance:	JP MC Yes	organ (. No	JDEUX) N/A	Parna Yes	issus (F No	N/A	Vang Yes	uard (V No	IMAX) N/A	Vang Yes	uard (V No	/115X N/.
. Manager outperformed the index over the trailing three year period.	✓				✓		√				√	
. Manager outperformed the index over the trailing five year period.	✓			✓			✓				✓	
. Manager has had less than 4 consecutive quarters of underperformance.	✓			✓			✓			✓		
. Manager ranked within the top 40th percentile over the trailing three year period.	✓				✓		✓			✓		
5. Manager ranked within the top 40th percentile over the trailing five year period.	✓			✓			✓			✓		
6. Manager three year down market capture ratio is less than the index.	✓			✓			✓				✓	
7. Manager five year down market capture ratio is less than the index.		✓		✓			✓				✓	
3. Manager reports compliance with PFIA			\checkmark			✓			✓			 ✓
	Europa	acific (F	RERGX)	Gard	cia Ham	nilton	PIM	ICO (PD	DIIX)	ASB	Real E	state
Aanager Compliance:	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/.
. Manager outperformed the index over the trailing three year period.		✓		✓					✓		√	
Manager outperformed the index over the trailing five year period.	✓			✓					✓		✓	
Manager has had less than 4 consecutive quarters of underperformance.	\checkmark			\checkmark			✓			✓		
Manager ranked within the top 40th percentile over the trailing three year period.		✓			✓				✓		\checkmark	
	✓				✓				✓		\checkmark	
. Manager ranked within the top 40th percentile over the trailing five year period.						1				\checkmark		
		✓		✓					V	v		
 Manager ranked within the top 40th percentile over the trailing five year period. Manager three year down market capture ratio is less than the index. Manager five year down market capture ratio is less than the index. 		√ √		✓ ✓					✓ ✓	✓ ✓		



Total Fund Policy	
Allocation Mandate	Weight (%)
Jul-2003	
S&P 500 Index	60.00
Bloomberg Intermed Aggregate Index	40.00
Jul-2007	
S&P 500 Index	50.00
Bloomberg Intermed Aggregate Index	40.00
MSCI EAFE Index	10.00
Jul-2010	
Russell 3000 Index	50.00
Bloomberg Intermed Aggregate Index	35.00
MSCI AC World ex USA	15.00
Oct-2013	
Russell 3000 Index	50.00
Blmbg. U.S. Aggregate Index	30.00
MSCI AC World ex USA	15.00
Global Fixed Income Index	5.00
Jan-2016	
Russell 3000 Index	50.00
Blmbg. U.S. Aggregate Index	20.00
MSCI AC World ex USA	15.00
Global Fixed Income Index	5.00
NCREIF Fund Index-Open End Diversified Core (EW)	10.00
Mar-2021	
Russell 3000 Index	50.00
MSCI AC World ex USA	15.00
Blmbg. U.S. Aggregate Index	20.00
Blmbg. Global Credit (Hedged)	5.00
NCREIF Fund Index-Open End Diversified Core (EW)	10.00



Total Equity Policy

Total Equity Folicy		
Allocation Mandate	Weight (%)	
Jul-2003		
S&P 500 Index	100.00	
Aug-2007		
S&P 500 Index	85.00	
MSCI EAFE Index	15.00	
Jul-2010		
Russell 3000 Index	75.00	
MSCI AC World ex USA	25.00	

Total Fixed Income Policy		
Allocation Mandate	Weight (%)	
Jul-2003		
Bloomberg Intermed Aggregate Index	100.00	
Oct-2013		
Blmbg. U.S. Aggregate Index	86.00	
Global Fixed Income Index	14.00	
Oct-2014		
Blmbg. U.S. Aggregate Index	80.00	
Global Fixed Income Index	20.00	
Mar-2021		
Blmbg. U.S. Aggregate Index	80.00	
Blmbg. Global Credit (Hedged)	20.00	

Total Domestic Equity Policy		
Allocation Mandate	Weight (%)	
Jul-2003		
S&P 500 Index	100.00	Total D
Aug-2007		Allocat
S&P 500 Index	100.00	Jun-20
		Bloomb
Jul-2010		0
Russell 3000 Index	100.00	Oct-20
		Blmbg.

Total Domestic Fixed Income Policy		
Allocation Mandate	Weight (%)	
Jun-2003		
Bloomberg Intermed Aggregate Index	100.00	
Oct-2013 Blmbg. U.S. Aggregate Index	100.00	

Total International Equity Policy		
Allocation Mandate	Weight (%)	
Jan-1970 MSCI EAFE Index	100.00	
Jul-2010 MSCI AC World ex USA	100.00	

Total Global Fixed Income Policy		
Allocation Mandate	Weight (%)	
Nov-2013		
Global Fixed Income Index	100.00	
Mar-2021		
Blmbg. Global Credit (Hedged)	100.00	



- Neither AndCo, nor any covered associates, have made political contributions to any official associated with the Lantana Police Officers' Retirement Plan in excess of the permitted amount.
- The ICC Balanced account was broken out on March 2nd, 2011.
- ICC Separate accounts do not contain cash prior to April 2011.



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.

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