

Investment Performance Review  
Period Ending September 30, 2018

# Town of Lantana Police Officers' Retirement System

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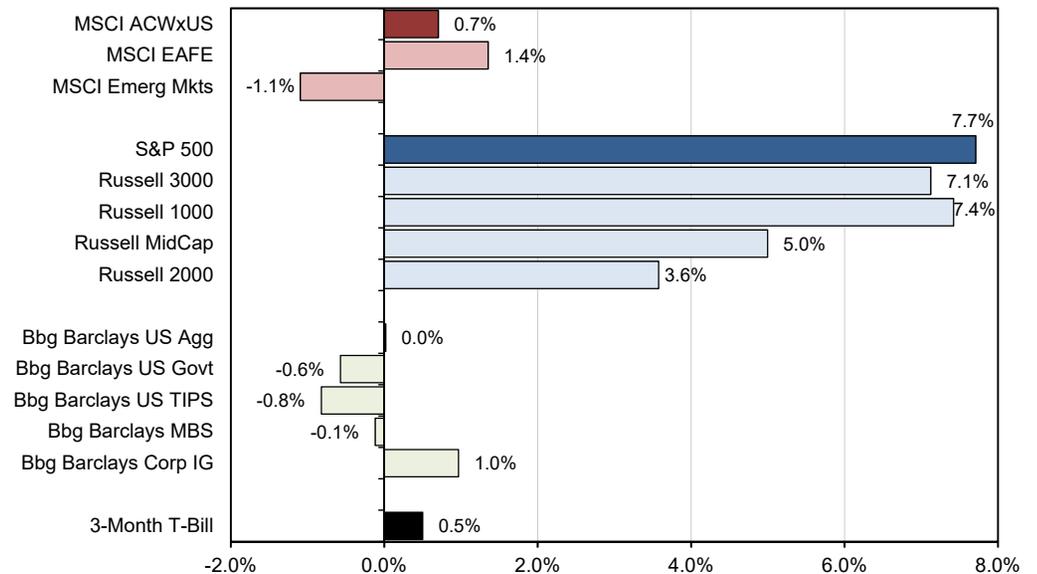


# 3rd Quarter 2018 Market Environment

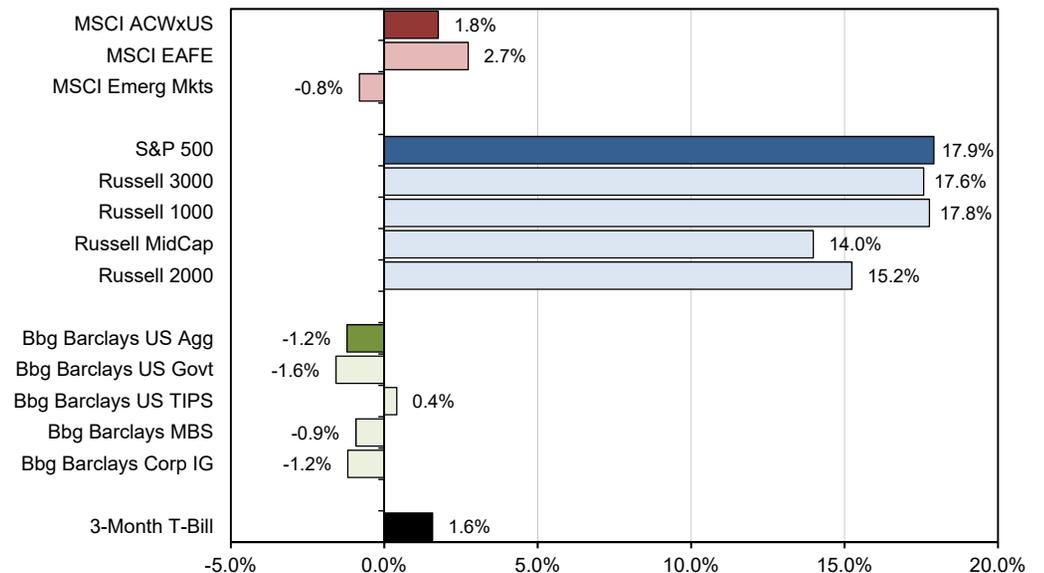


- Market returns were mixed across major equity and fixed income indices for the 3rd quarter of 2018 with many themes from the 2nd quarter repeating during the current period. Broad domestic equity indices pushed higher on continued strength in both economic and corporate earnings data. Corporate earnings continue to benefit from fiscal stimulus tailwinds in the form of the late 2017 tax reform. International indices underperformed domestic indices during the period, posting more muted returns in US dollar (USD) terms, as investors weighed relatively soft economic data, a strengthening USD and geopolitical concerns, especially around global trade relations. Fixed income returns were flat for the quarter as interest rates continued to rise. Domestic stocks rose as concerns around ongoing monetary policy tightening by the Federal Reserve (Fed) and an escalating trade war between the US and China were not substantial enough to dampen investor enthusiasm around the ongoing strength of the US economy. The US stock market represented by the Russell 3000 Index returned 7.1% and 17.6% for the quarter and 1-year period respectively.
- International equity returns finished the quarter slightly positive with the MSCI ACWI ex US Index returning 0.7%. Developed market stocks pushed higher through the period, however, relatively subdued economic growth and ongoing political and trade uncertainty tempered returns versus domestic equities. The developed market MSCI EAFE Index gained 1.4% during the quarter. Emerging market stocks struggled in comparison, posting negative returns for the period, as trade tensions grew between the US and China. In addition, a strengthening USD caused headwinds for most international markets, but caused particular difficulties for emerging market countries that issue debt in USD. The MSCI Emerging Markets Index posted a small decline of -1.1% during the 3rd quarter. The relative outperformance of developed markets can also be seen in the 1-year period with the MSCI EAFE and MSCI Emerging Markets indices returning 2.7% and -0.8% respectively.
- Interest rates on the US Treasury Yield Curve continued their year-to-date rise during the 3rd quarter as investor expectations for further Fed tightening of monetary policy increased during the period. The yield curve did flatten slightly as interest rates had the greatest increase in short-term maturities, but overall, the shift in rates was fairly consistent throughout the entire curve. The Fed did implement another interest rate increase following their September meeting citing the continued strength of the US economy and stable inflation. The broad market Bloomberg Barclays US Aggregate Index was flat for the quarter returning 0.0% and is slightly negative over the 1-year period returning -1.2%. Corporate issues rebounded following underperformance during the first half of the year and were the only investment grade sector to post a positive return during the quarter, as they benefitted from tightening credit spreads and strong investor demand.

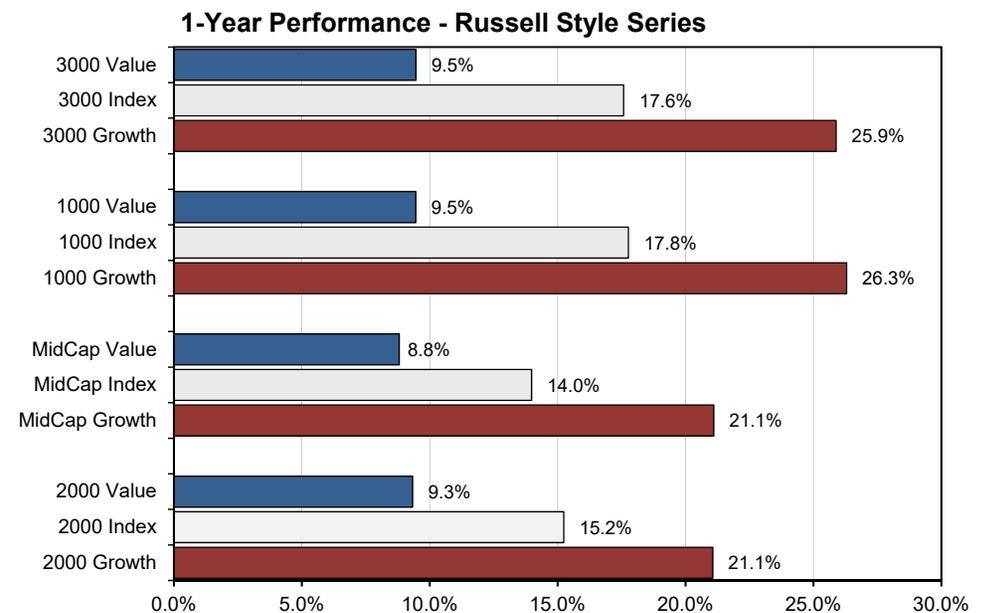
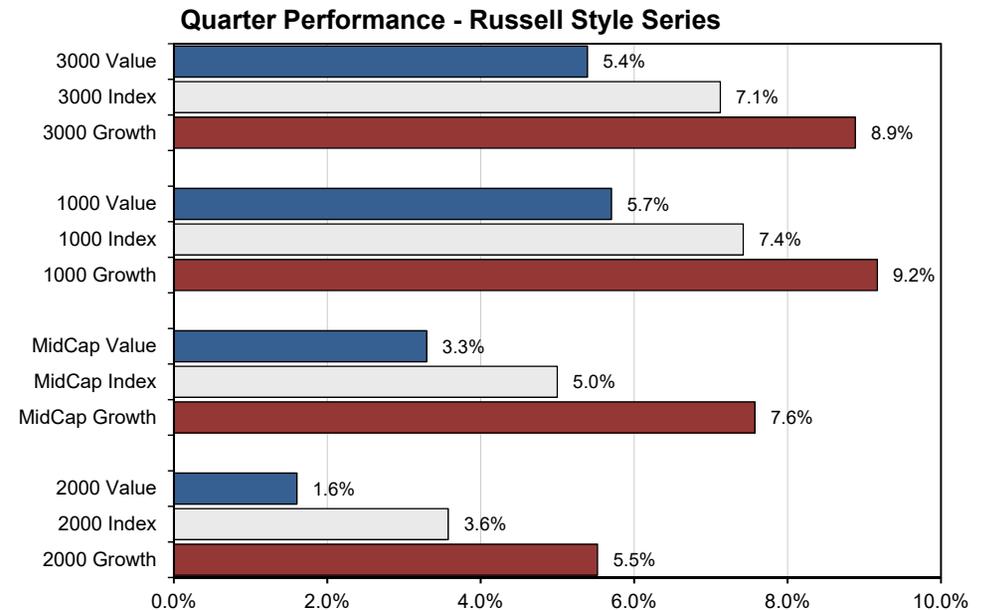
### Quarter Performance



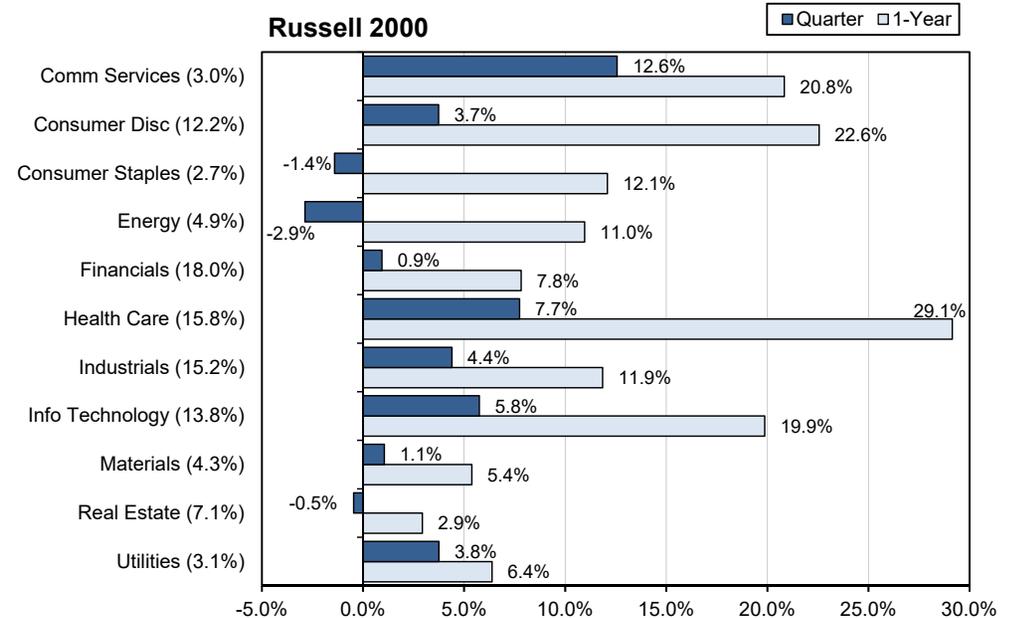
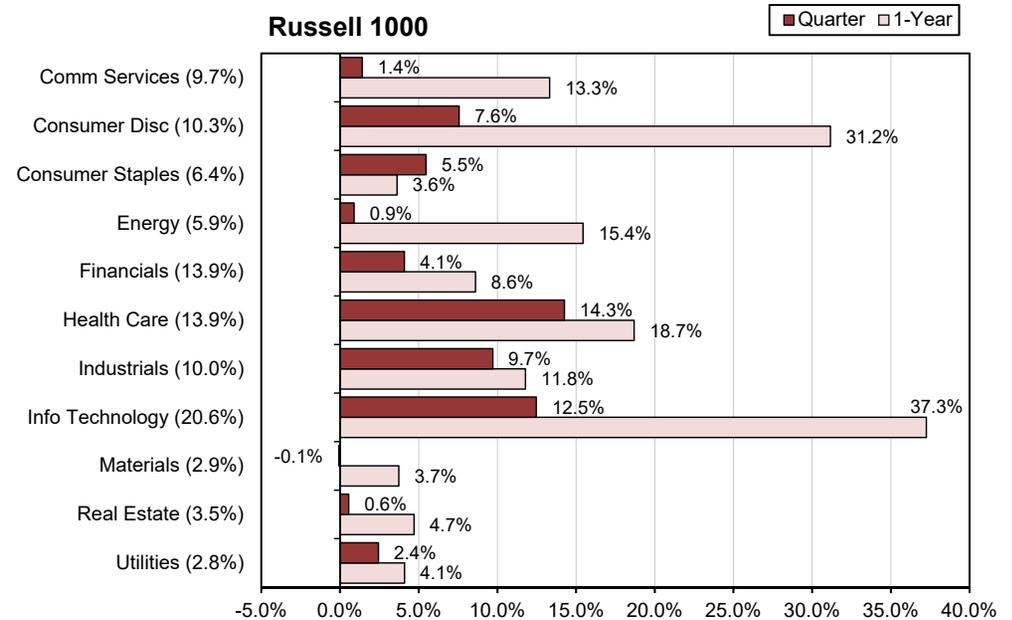
### 1-Year Performance



- US equity index returns were positive across the style and capitalization spectrum during the 3rd quarter of 2018. US equity markets were pushed higher by the ongoing strength in US economic data and corporate earnings. Positive data releases in GDP, unemployment, retail sales, consumer consumption and investor sentiment highlighted the continued health of the US economy. Corporate earnings released during the quarter were also impressive. Earnings reported for S&P 500 companies were up over 20% on a year-over-year basis for the second straight quarter as corporate profits continued to benefit from the new tax code. The current expansion in US equity markets now marks the longest bull market in history. While the positive economic data drove returns through the quarter, trade negotiations with China broke down with both the US and China instituting several rounds of new tariffs during the period. Currently the US is imposing tariffs on \$250 billion of Chinese imports with China placing tariffs on \$110 billion worth of goods. Further action has been threatened by both countries. While negotiations with China have been unsuccessful, progress was made in the renegotiation of the North American Free Trade Agreement (NAFTA) and discussions with the European Union (EU) appear to be moving ahead productively.
- During the quarter, large cap stocks outperformed mid and small cap equities across growth, value and core indices. The large cap Russell 1000 Index returned 7.4% for the quarter versus a 3.6% return for the Russell 2000 Index. The Russell 1000 benefitted from strong performance from some of its largest exposures. Apple Inc, Microsoft Corp and Amazon.com Inc alone make up over 10% of the index and posted quarterly returns of 22.4%, 16.4% and 17.8% respectively. Those same three stocks have gained 48.7%, 56.3% and 108.4% over the 1-year period. This strong performance from some of the index's largest constituents has helped large caps outperform small caps over the 1-year period as well with the Russell 1000 returning 17.8% over the trailing year while the Russell 2000 posted a still solid return of 15.2%.
- Growth stocks outperformed value stocks across the market cap spectrum during the 3rd quarter. The large cap Russell 1000 Growth Index was the best performing style index for the period returning a notable 9.2% for the quarter. The outperformance of growth indices relative to value indices is also evident over the 1-year period as growth indices continue to show significant outperformance relative to their value counterparts. The returns for growth indices more than double the returns of the corresponding value indices over the last 12 months. Growth benchmarks benefitted from larger exposures to more cyclical names within the information technology, consumer discretionary, health care and industrials sectors. They also benefitted from underweights to more defensive sectors such as REITs and utilities.



- Both S&P Dow Jones Indices and MSCI made changes to the Global Industry Classification Standard (GICS) sector configurations of their indices, creating a new GICS sector classification called Communication Services which replaced the Telecommunications sector on September 28, 2018. The Communication Services sector is comprised of companies in the Telecommunications sector, as well as certain companies formerly classified as Consumer Discretionary and Information Technology. As a result, the sector, went from a weighting of about 2% of the Russell 1000 Index to almost 10% post reclassification. Notable names now classified under Communication Services include Netflix, Alphabet, Facebook and Disney. This is just the second change to the GICS classifications since 1999.
- Sector performance was broadly positive across large cap sectors for the 3rd quarter. Ten of eleven sectors had positive returns for the quarter with four outpacing the Russell 1000 Index return. The consumer discretionary sector continues to do well on the back of strong retail sales and increased consumer spending, gaining 7.6% for the period. Health care and technology stocks increased 14.3% and 12.5% during the quarter respectively, with companies in both sectors reporting strong earnings. Industrials benefitted from continued economic strength returning 9.7%. The largest detractors for the quarter were the materials, real estate and energy sectors which returned -0.1%, 0.6% and 0.9% respectively. Over the trailing 1-year period, all large cap all sectors were positive. The information technology and consumer discretionary sectors were the best performers, returning over 30% over the last 12 months, and six of eleven sectors have returns over 10% for the year.
- Quarterly results for small cap sectors were generally lower relative to their large capitalization counterparts. Nine of eleven sectors had positive returns during the period with six of eleven economic sectors outpacing the Russell 2000 Index return for the quarter. Energy, consumer staples and real estate posted negative returns for the period returning -2.9%, -1.4% and -0.5% respectively. Communications services and health care were the best performers returning 12.6% and 7.7%. Over the trailing 1-year period, all eleven sectors posted gains. Health care stocks were the best performers within the Russell 2000 for the trailing year returning a solid 29.1%. Communication services, technology, and consumer discretionary also had particularly robust returns for the 1-year period.
- Using S&P 500 sector valuations as a proxy for the market, forward P/E ratios for seven of the eleven GICS sectors were higher than their long-term averages at quarter-end. Using these historical P/E measures, the utilities, consumer discretionary and real estate sectors appear the most extended. In contrast the financials, technology and health care sectors were trading at a discount to their long-term average P/E ratios.



**The Market Environment**  
**Top 10 Index Weights & Quarterly Performance for the Russell 1000 & 2000**  
As of September 30, 2018

Top 10 Weighted Stocks				
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector
Apple Inc	3.97%	22.4%	48.7%	Information Technology
Microsoft Corp	3.15%	16.4%	56.3%	Information Technology
Amazon.com Inc	2.96%	17.8%	108.4%	Consumer Discretionary
Berkshire Hathaway Inc B	1.51%	14.7%	16.8%	Financials
Facebook Inc A	1.42%	-15.4%	-3.8%	Communication Services
JPMorgan Chase & Co	1.37%	8.9%	20.7%	Financials
Johnson & Johnson	1.35%	14.6%	9.1%	Health Care
Alphabet Inc Class C	1.32%	7.0%	24.4%	Communication Services
Alphabet Inc A	1.31%	6.9%	24.0%	Communication Services
Exxon Mobil Corp	1.31%	3.8%	7.9%	Energy

Top 10 Weighted Stocks				
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector
Five Below Inc	0.31%	33.1%	137.0%	Consumer Discretionary
Etsy Inc	0.27%	21.8%	204.4%	Consumer Discretionary
Integrated Device Technology Inc	0.27%	47.5%	76.9%	Information Technology
LivaNova PLC	0.27%	24.2%	76.9%	Health Care
Haemonetics Corp	0.26%	27.8%	155.4%	Health Care
Teladoc Health Inc	0.25%	48.8%	160.5%	Health Care
Ligand Pharmaceuticals Inc	0.25%	32.5%	101.6%	Health Care
HubSpot Inc	0.24%	20.4%	79.6%	Information Technology
Primerica Inc	0.23%	21.3%	49.2%	Financials
HealthEquity Inc	0.22%	25.7%	86.7%	Health Care

Top 10 Performing Stocks (by Quarter)				
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector
Advanced Micro Devices Inc	0.10%	106.1%	142.3%	Information Technology
Square Inc A	0.10%	60.6%	243.7%	Information Technology
Paycom Software Inc	0.03%	57.2%	107.3%	Information Technology
Twilio Inc A	0.02%	54.0%	189.0%	Information Technology
Atlassian Corporation PLC A	0.03%	53.8%	173.5%	Information Technology
Molina Healthcare Inc	0.03%	51.8%	116.3%	Health Care
DexCom Inc	0.05%	50.6%	192.4%	Health Care
Match Group Inc	0.01%	49.5%	149.7%	Communication Services
Fortinet Inc	0.05%	47.8%	157.4%	Information Technology
IAC/InterActiveCorp	0.06%	42.1%	84.3%	Communication Services

Top 10 Performing Stocks (by Quarter)				
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector
CareDx Inc	0.04%	135.7%	679.7%	Health Care
Reata Pharmaceuticals Inc A	0.07%	133.8%	162.9%	Health Care
Invitae Corp	0.05%	127.6%	78.5%	Health Care
RigNet Inc	0.01%	97.6%	18.3%	Energy
Tandem Diabetes Care Inc	0.10%	94.6%	486.8%	Health Care
Health Insurance Innovations Inc	0.03%	90.6%	325.2%	Financials
Funko Inc Class A	0.01%	88.8%	N/A	Consumer Discretionary
LSB Industries Inc	0.01%	84.5%	23.2%	Materials
Viking Therapeutics Inc	0.04%	83.6%	812.0%	Health Care
Ra Pharmaceuticals Inc	0.01%	81.8%	23.9%	Health Care

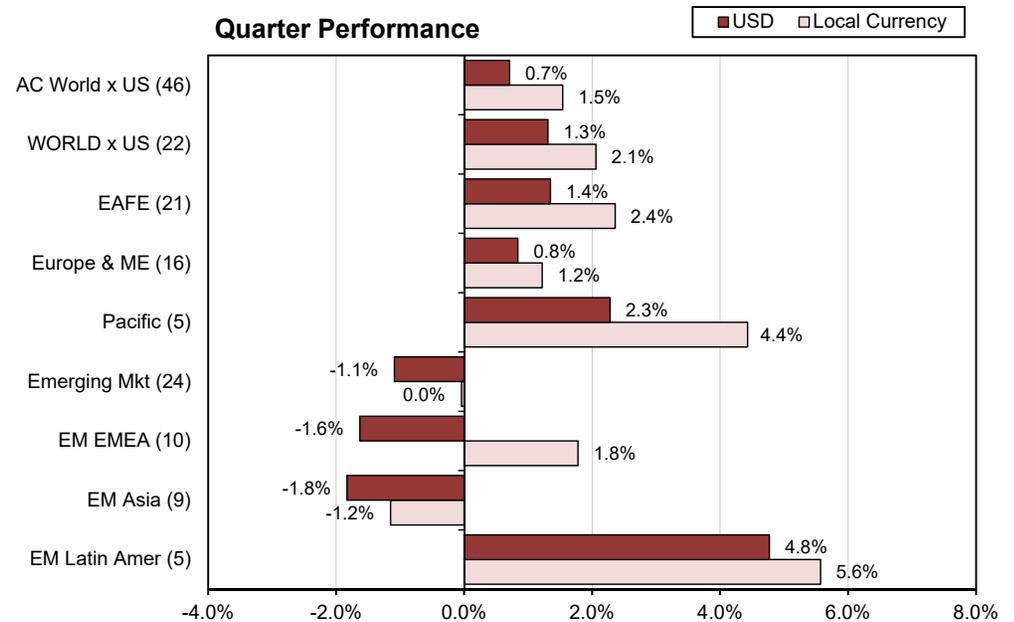
Bottom 10 Performing Stocks (by Quarter)				
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector
Floor & Decor Holdings Inc	0.01%	-38.8%	-22.5%	Consumer Discretionary
Twitter Inc	0.07%	-34.8%	68.7%	Communication Services
IPG Photonics Corp	0.02%	-29.3%	-15.7%	Information Technology
Visteon Corp	0.01%	-28.1%	-24.9%	Consumer Discretionary
Zillow Group Inc A	0.01%	-26.0%	10.1%	Communication Services
Zillow Group Inc C	0.02%	-25.1%	10.0%	Communication Services
Western Digital Corp	0.06%	-23.7%	-30.4%	Information Technology
Wynn Resorts Ltd	0.05%	-23.7%	-13.3%	Consumer Discretionary
Extraction Oil & Gas Inc	0.00%	-23.1%	-26.6%	Energy
Tesla Inc	0.13%	-22.8%	-22.4%	Consumer Discretionary

Bottom 10 Performing Stocks (by Quarter)				
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector
Vital Therapies Inc	0.00%	-96.0%	-94.5%	Health Care
GTx Inc	0.00%	-89.7%	-81.4%	Health Care
Ampio Pharmaceuticals Inc	0.00%	-76.9%	-16.9%	Health Care
Innovate Biopharmaceuticals Inc	0.01%	-71.0%	-2.4%	Health Care
Zion Oil & Gas Inc	0.00%	-68.4%	-62.5%	Energy
Endologix Inc	0.01%	-66.3%	-57.2%	Health Care
Lannett Co Inc	0.01%	-65.1%	-74.3%	Health Care
Maiden Holdings Ltd	0.01%	-62.6%	-61.1%	Financials
Diebold Nixdorf Inc	0.02%	-62.3%	-80.1%	Information Technology
Sears Holdings Corp	0.00%	-59.2%	-86.7%	Consumer Discretionary

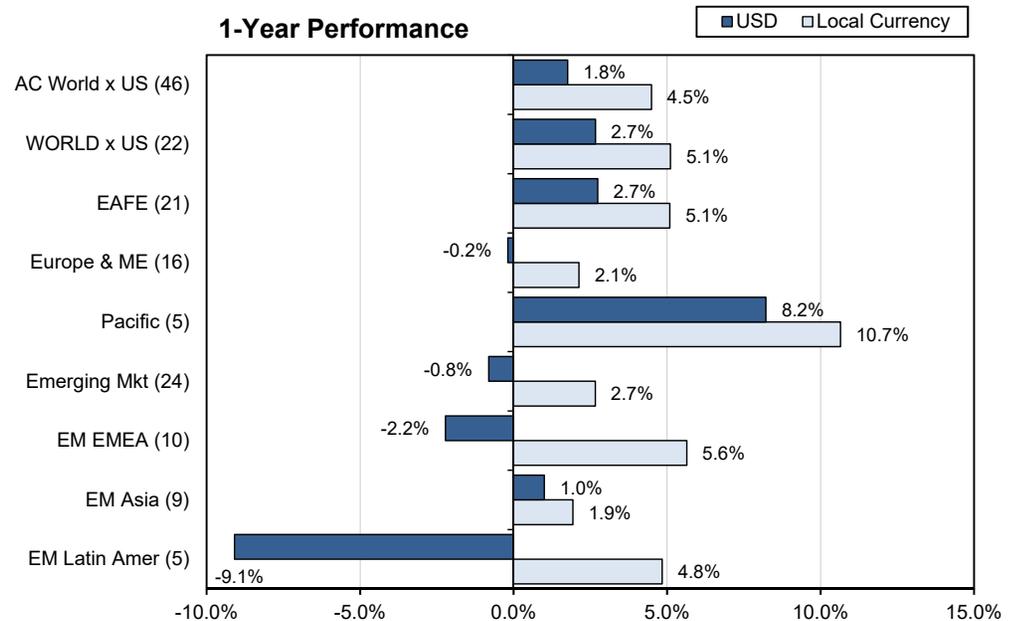


- Broad international equity returns were mixed for the quarter. Most developed markets were positive in local currency and USD terms whereas emerging markets were negative in both local currency and USD terms. Performance was largely driven by the same catalysts as the US equity markets for the second straight quarter. We saw global macroeconomic data slow, but remain generally positive through the period, with returns being tempered by global trade tensions and ongoing political uncertainty. The USD continued to strengthen against most currencies for the period as relatively strong US economic fundamentals and the continued divergence in global monetary policy hurt US investors in international markets. The MSCI ACWI ex US Index gained 1.5% in local currency terms and 0.7% in USD terms during the 3rd quarter. Returns over the 1-year period are modestly positive in both local currency and USD terms with the MSCI ACWI ex US returning 4.5% and 1.8% respectively.
- Third quarter results for developed market international indices were positive in local currency terms and USD terms with the MSCI EAFE Index returning 2.4% and 1.4% respectively. Returns were dampened for US investors as continued strength in the USD pushed returns lower. Developed markets were pushed higher by broadly positive, but slowing, global economic and earnings data despite several significant political events in Europe during the quarter. Concerns over a “no deal” Brexit and worries over a pending budget approval in Italy weighed on returns, while markets were encouraged by progress in trade negotiations between the US and the eurozone and signs of continued political stability in Japan. The MSCI EAFE Index returned 5.1% and 2.7% for the last twelve months in local currency and USD terms respectively.
- Emerging markets underperformed relative to developed markets for the 3rd quarter, posting a flat return in local currency terms that was exacerbated by the rising USD. The MSCI Emerging Markets Index returned 0.0% and -1.1% in local currency and USD terms respectively. Returns in emerging markets were the hurt by the deterioration in trade negotiations between the US and China followed by several rounds of new tariffs enacted by both countries. Emerging market stocks were also negatively affected by rising US interest rates coupled with an appreciating USD. Many emerging market countries and companies issue debt denominated in USD and the combination of higher interest rates and a relatively weaker local currency can put stress on the balance sheets of these borrowers, especially those heavily dependent on external capital. This was particularly problematic for Turkey, Argentina and South Africa during the 3rd quarter with Argentina having to expedite their request for an emergency bailout of \$50 billion from the World Monetary Fund. In positive news, Mexico and the US made progress toward the renegotiation of NAFTA. One year returns for the MSCI Emerging Market Index were 2.7% in local currency terms and -0.8% in USD terms.

**Quarter Performance**



**1-Year Performance**



**The Market Environment**  
**US Dollar International Index Attribution & Country Detail**  
As of September 30, 2018

MSCI - EAFE	Sector Weight	Quarter Return	1-Year Return
Communication Services	5.4%	3.3%	-2.4%
Consumer Discretionary	11.1%	-0.5%	3.3%
Consumer Staples	11.3%	-0.1%	2.5%
Energy	6.0%	3.5%	24.6%
Financials	19.8%	0.9%	-4.0%
Health Care	10.9%	5.6%	7.1%
Industrials	14.3%	2.6%	4.2%
Information Technology	6.2%	0.3%	7.4%
Materials	8.1%	0.4%	5.1%
Real Estate	3.5%	-3.0%	1.0%
Utilities	3.3%	-0.6%	0.7%
<b>Total</b>	<b>100.0%</b>	<b>1.4%</b>	<b>2.7%</b>

MSCI - ACWIXUS	Sector Weight	Quarter Return	1-Year Return
Communication Services	7.6%	-3.0%	-4.1%
Consumer Discretionary	10.7%	-3.2%	-1.4%
Consumer Staples	9.7%	-0.6%	1.6%
Energy	7.1%	4.1%	18.3%
Financials	22.0%	1.7%	-1.9%
Health Care	8.3%	4.5%	7.6%
Industrials	11.7%	2.8%	3.8%
Information Technology	8.5%	1.3%	5.6%
Materials	8.2%	0.4%	5.2%
Real Estate	3.2%	-3.5%	-2.7%
Utilities	3.0%	-0.9%	-1.2%
<b>Total</b>	<b>100.0%</b>	<b>0.7%</b>	<b>1.8%</b>

MSCI - Emerging Mkt	Sector Weight	Quarter Return	1-Year Return
Communication Services	14.8%	-9.4%	-6.0%
Consumer Discretionary	11.3%	-9.9%	-13.2%
Consumer Staples	6.7%	-2.9%	-1.9%
Energy	6.3%	14.5%	26.0%
Financials	23.3%	1.5%	0.4%
Health Care	3.1%	-7.2%	11.4%
Industrials	5.3%	2.5%	-4.3%
Information Technology	15.9%	2.2%	2.3%
Materials	7.8%	4.5%	8.6%
Real Estate	2.9%	-5.6%	-15.1%
Utilities	2.5%	-1.9%	-5.4%
<b>Total</b>	<b>100.0%</b>	<b>-1.1%</b>	<b>-0.8%</b>

Country	MSCI-EAFE Weight	MSCI-ACWIXUS Weight	Quarter Return	1-Year Return
Japan	24.6%	16.9%	3.7%	10.2%
United Kingdom	17.5%	12.0%	-1.7%	2.9%
France	11.2%	7.7%	2.8%	4.2%
Germany	9.4%	6.5%	-0.6%	-5.4%
Switzerland	8.3%	5.7%	7.3%	1.6%
Australia	6.8%	4.7%	-0.9%	4.4%
Hong Kong	3.5%	2.4%	-1.0%	2.9%
Netherlands	3.3%	2.3%	-1.5%	-1.6%
Spain	3.0%	2.0%	-2.4%	-9.7%
Sweden	2.7%	1.9%	7.0%	-3.3%
Italy	2.3%	1.6%	-4.5%	-8.9%
Denmark	1.7%	1.2%	2.3%	-4.2%
Singapore	1.3%	0.9%	2.2%	6.9%
Finland	1.1%	0.7%	3.2%	10.3%
Belgium	1.0%	0.7%	-5.2%	-11.8%
Norway	0.8%	0.5%	6.7%	13.7%
Israel	0.6%	0.4%	5.1%	14.9%
Ireland	0.5%	0.4%	-5.4%	-6.1%
Austria	0.2%	0.2%	0.2%	-3.1%
New Zealand	0.2%	0.2%	2.4%	4.4%
Portugal	0.2%	0.1%	-0.6%	1.7%
<b>Total EAFE Countries</b>	<b>100.0%</b>	<b>68.7%</b>	<b>1.4%</b>	<b>2.7%</b>
Canada		6.7%	0.8%	1.9%
<b>Total Developed Countries</b>		<b>75.3%</b>	<b>1.3%</b>	<b>2.7%</b>
China		7.6%	-7.5%	-2.2%
Korea		3.7%	0.7%	1.4%
Taiwan		3.0%	6.5%	9.7%
India		2.1%	-2.3%	1.1%
Brazil		1.5%	6.1%	-14.0%
South Africa		1.5%	-7.4%	-5.1%
Russia		0.9%	6.2%	13.7%
Mexico		0.8%	6.9%	-4.4%
Thailand		0.6%	13.6%	15.2%
Malaysia		0.6%	3.8%	7.6%
Indonesia		0.5%	2.0%	-10.4%
Poland		0.3%	10.6%	-5.0%
Chile		0.3%	-2.0%	-5.7%
Philippines		0.2%	1.0%	-15.6%
Qatar		0.2%	12.8%	25.3%
United Arab Emirates		0.2%	3.1%	-6.9%
Turkey		0.2%	-20.5%	-41.7%
Colombia		0.1%	-2.5%	10.0%
Peru		0.1%	-2.1%	12.2%
Greece		0.1%	-17.6%	-14.8%
Hungary		0.1%	4.7%	-5.0%
Czech Republic		0.1%	4.0%	12.8%
Egypt		0.0%	-6.8%	-7.1%
Pakistan		0.0%	-4.9%	-20.6%
<b>Total Emerging Countries</b>		<b>24.7%</b>	<b>-1.1%</b>	<b>-0.8%</b>
<b>Total ACWIXUS Countries</b>		<b>100.0%</b>	<b>0.7%</b>	<b>1.8%</b>

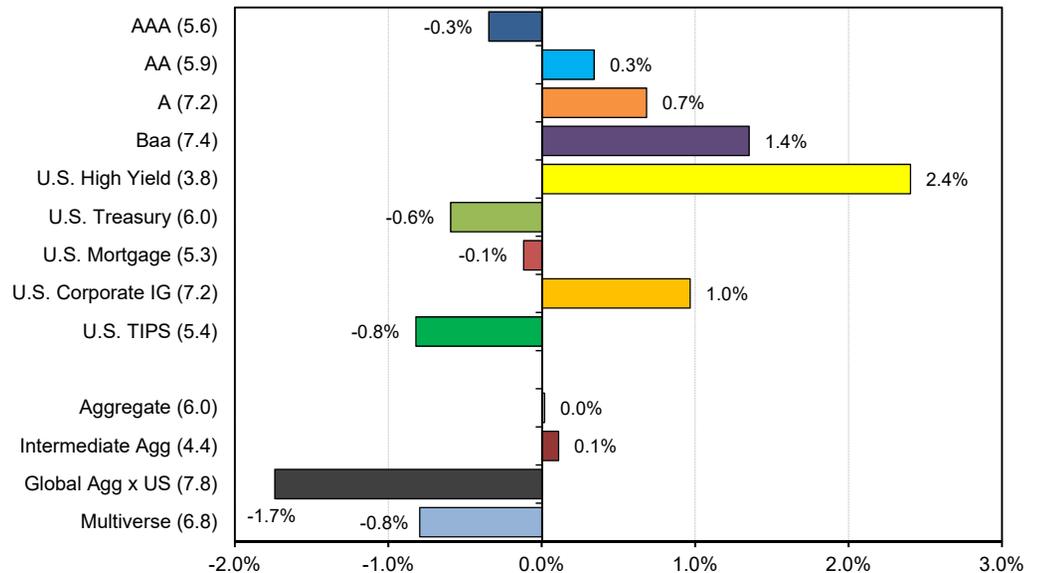
Source: Morningstar Direct, MSCI Global Index Monitor (Returns are Net in USD)

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

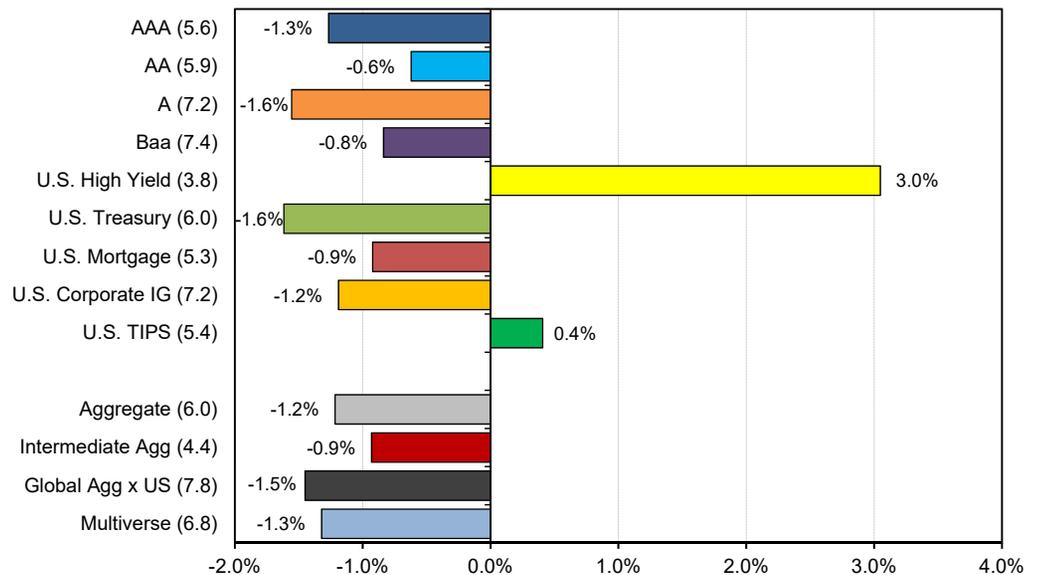


- Broad fixed income benchmarks had mixed results during the 3rd quarter. Interest rates rose across all maturities on the US Treasury Yield Curve. The Federal Open Market Committee (FOMC), decided to increase short-term interest rates by 25 basis points at their September meeting citing continued strength in the economy and stable inflation. This is the third rate hike of 2018. The current Fed Funds Rate target range sits at 2.00%-2.25%. The FOMC also changed the language used in its policy statement, removing the word “accommodative”, which investors took as a signal that the Fed plans to continue its trend of monetary policy tightening. The yield curve continued to flatten, although very gradually, as short-term yields rose at a greater rate than long-term yields during the quarter. The difference in yields between the 2-year and 10-year Treasury now sits at just 0.24%. As the curve continues to flatten, it moves closer to becoming “inverted”, which happens when short-term maturities have greater yields than long-term securities. Historically, an inverted yield curve has signaled a greater probability of a recession. The Fed is also continuing the reduction of the size of its balance sheet by slowing its pace of reinvestment as the securities it holds mature. The Bloomberg Barclays US Aggregate Index was flat during the quarter, posting a 0.0% return. Over the 1-year period the index has fallen -1.2%.
- Within investment grade credit, lower quality corporate issues outperformed higher quality issues as credit spreads tightened steadily over the quarter. On an absolute basis, without negating the duration differences in the sub-indices, Baa rated credit was the best performing investment grade credit quality segment returning 1.4% for the quarter, while AAA was the worst performing, falling -0.3%. High yield debt outperformed relative to investment grade credit, returning 2.0%, as spreads tightened to a greater degree for these issues and the index benefitted from less sensitivity to rising interest rates due to its lower duration. Returns are negative for all investment grade quality segments when viewed over the 1-year period while high yield continues to outperform with a return of 3.0%.
- Of the Bloomberg Barclays US Aggregate Index’s three broad sectors, US investment grade corporates were the best performing investment grade sector through the quarter, returning 1.0%, and the only sector to post a positive return for the period. Corporate credit outperformed as credit spreads tightened. Demand for these securities outweighed supply for the period despite considerable new issuance and a headwind from the sectors higher duration relative to other index sectors. Treasuries were the worst performing sector posting a -0.6% return. Over the 1-year period, all three broad investment grade sectors posted losses with mortgages, investment grade credit and Treasuries falling -0.9%, -1.2% and -1.6% respectively.

**Quarter Performance**

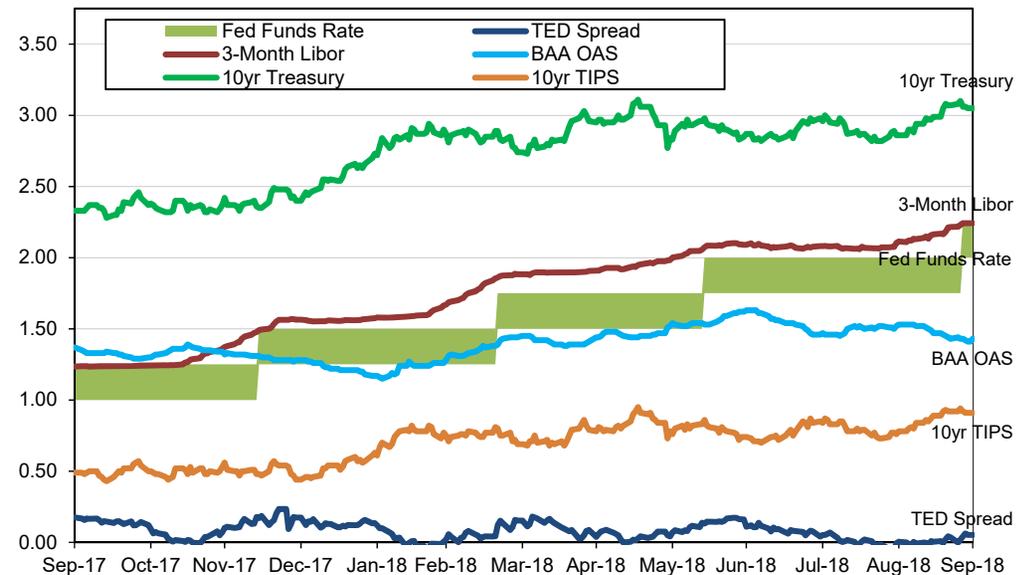


**1-Year Performance**

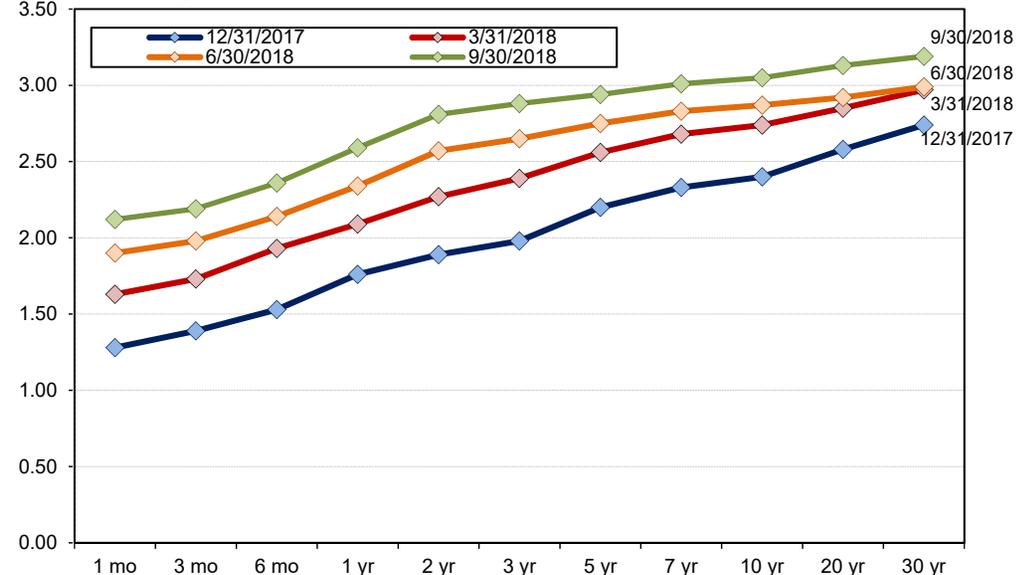


- Global fixed income indices continue to struggle relative to their domestic counterparts, underperforming during the 3rd quarter. These indices have lower yields and their relatively high duration acted as a headwind to performance in the current quarter as interest rates increased. The returns of these indices are also significantly influenced by fluctuations in their currency denomination relative to the USD. During the 3rd quarter the USD strengthened against most other currencies, negatively impacting the returns on global bond indices. The return on global bonds, as represented by the Bloomberg Barclays Global Aggregate ex US Index, was -1.7% and -1.5% for the quarter and 1-year period respectively. As the global economy continues to recover, several international central banks have started to move toward less accommodative postures. Notably, the ECB, began to slow its monthly bond purchase program in September, reducing new purchases to 15 billion euro per month from 30 billion euro per month, as well as forecasting an end to the program by the end of the year assuming the eurozone recovery continues to flourish. However, they have indicated a continuation of reinvestment in maturing securities and would likely not raise interest rates from current levels until summer 2019. The Bank of England increased interest rates by 0.25% during the quarter citing improvement in their near-term economic outlook and the Bank of Japan has changed its policy to allow flexibility for future tightening in the future.
- Much of the index performance detailed in the bar graphs on the previous page is visible on a time series basis by reviewing the line graphs to the right. The '1-Year Trailing Market Rates' chart illustrates that the 10-year Treasury yield (green line) rose steadily during the end of the 3rd quarter, ending the period at 3.05%. 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-Treasury issues. This line illustrates a steady increase in credit spreads through the first two quarters of 2018, followed by a smooth decline during the 3rd quarter. This decline is equivalent to an interest rate decrease on corporate bonds, which produces an additional tailwind for corporate bond index returns. These credit spreads have tightened by about 20 basis points over the last 3-months. The green band across the graph illustrates the gradual increase in the Federal Funds Rate (three increases in the last twelve months) due to the continued unwinding of accommodative US monetary policy.
- The lower graph provides a snapshot of the US Treasury yield curve at the end of each of the last four calendar quarters. As mentioned, the yield curve continues to flatten as yields on shorter-term maturities have risen more than interest rates on the long end of the curve. The upward momentum of interest rates as well as a general flattening of the yield curve are clearly visible over the last twelve months.

1-Year Trailing Market Rates

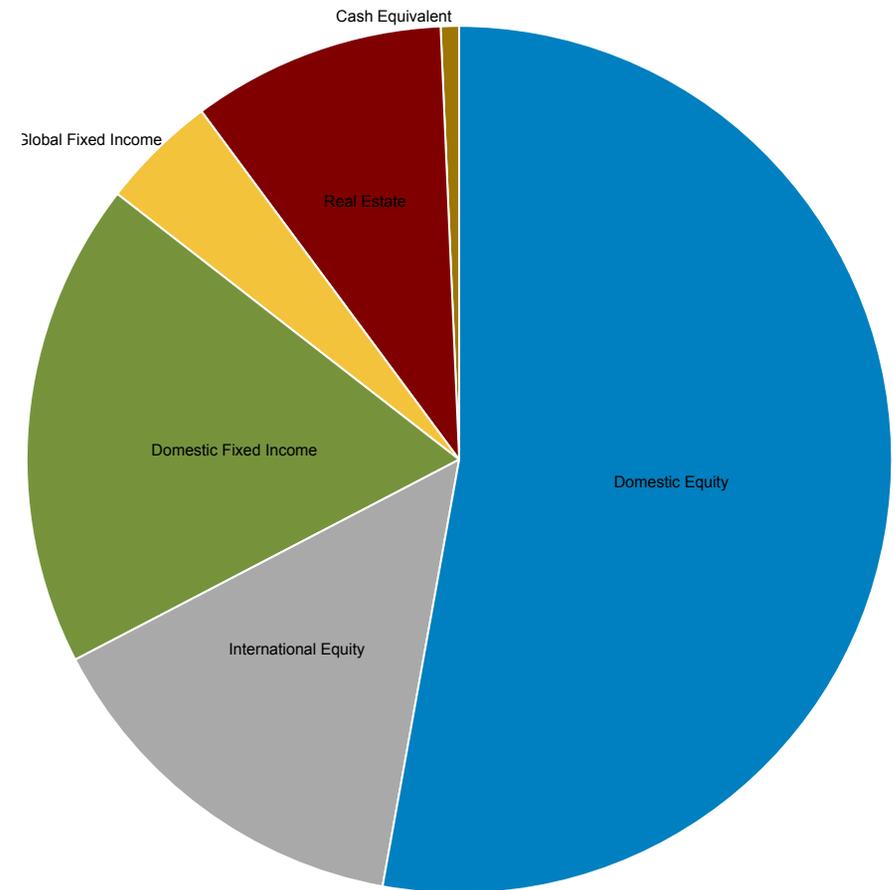
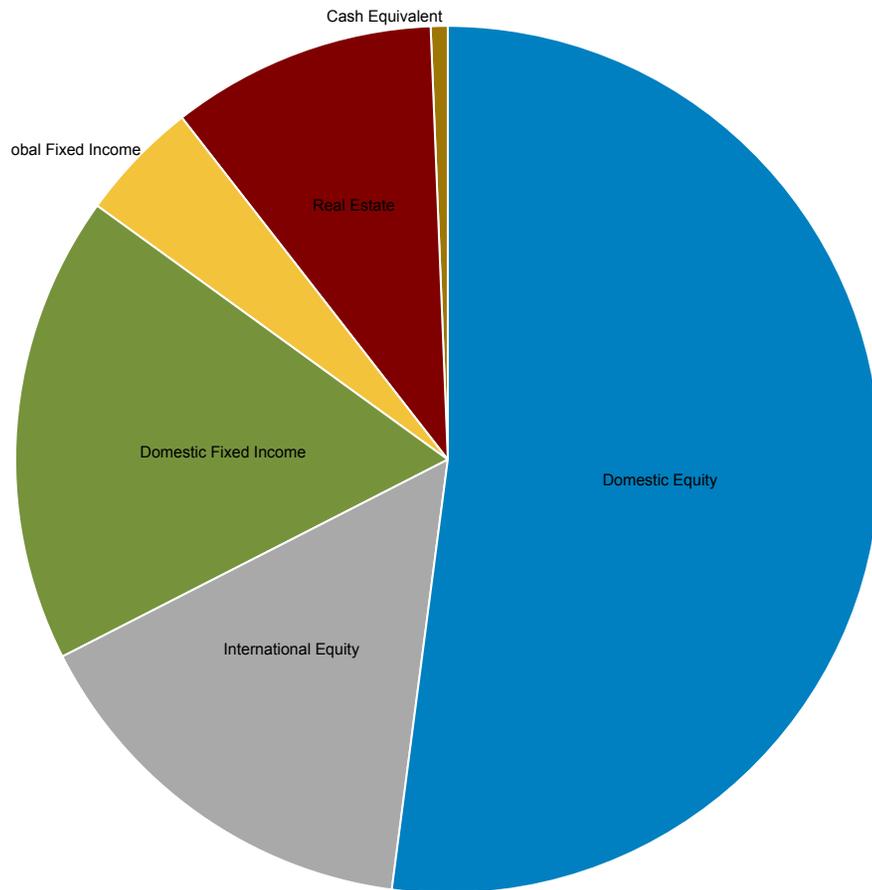


Treasury Yield Curve



June 30, 2018 : \$14,799,060

September 30, 2018 : \$15,726,501

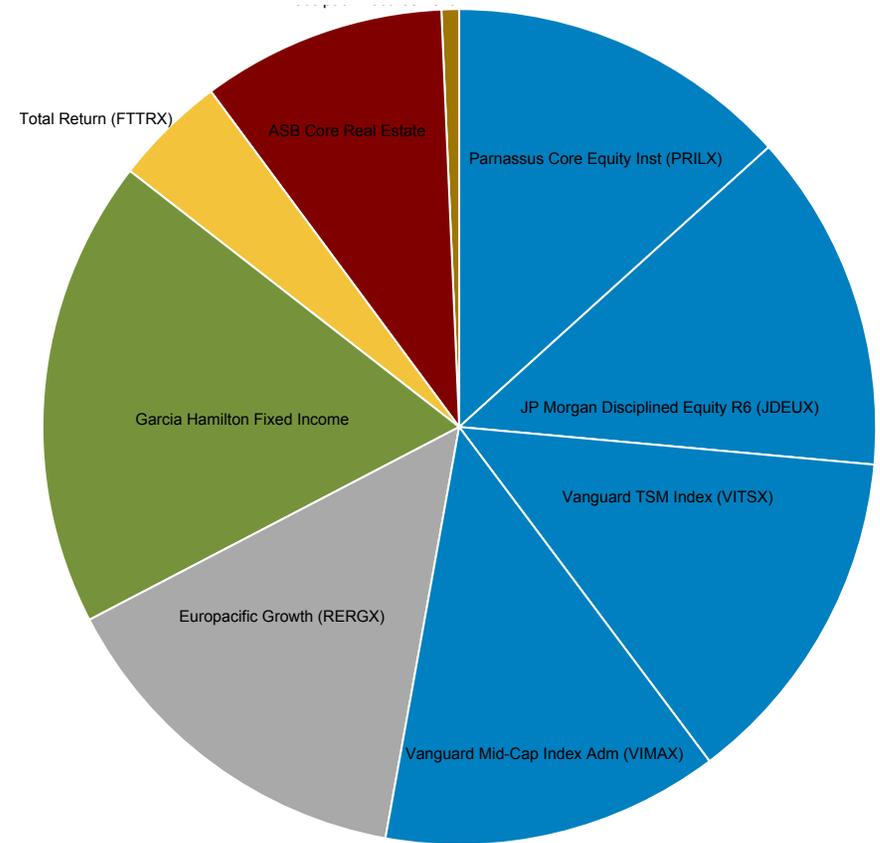
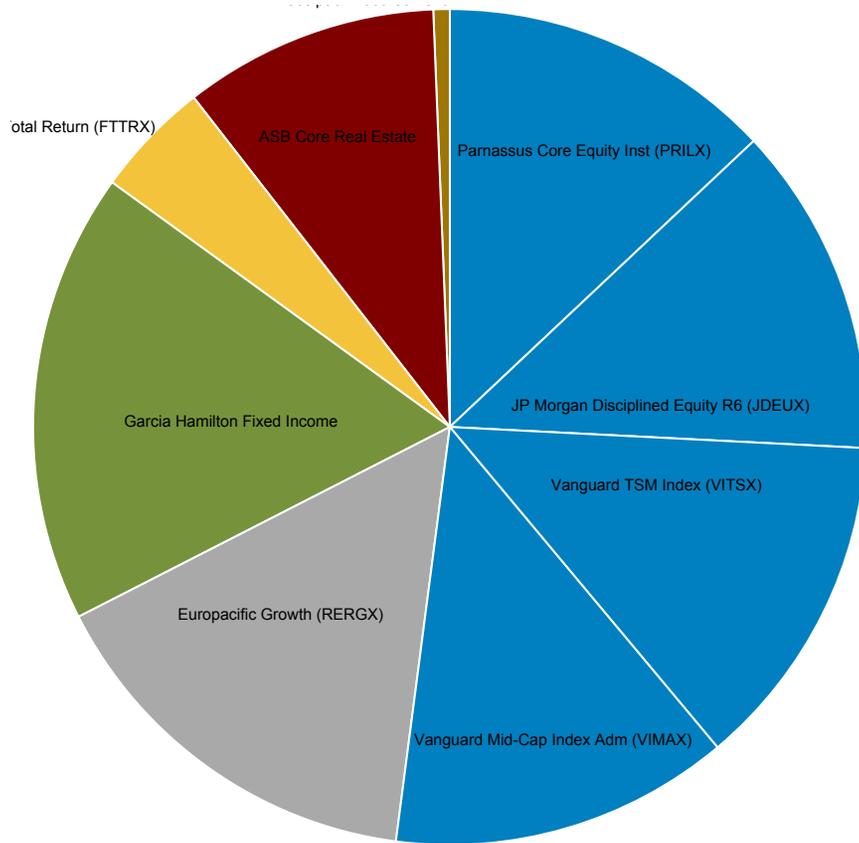


Allocation			Allocation		
	Market Value	Allocation		Market Value	Allocation
■ Domestic Equity	7,705,986	52.1	■ Domestic Equity	8,309,491	52.8
■ International Equity	2,283,317	15.4	■ International Equity	2,285,841	14.5
■ Domestic Fixed Income	2,583,598	17.5	■ Domestic Fixed Income	2,850,486	18.1
■ Global Fixed Income	666,570	4.5	■ Global Fixed Income	683,038	4.3
■ Real Estate	1,465,521	9.9	■ Real Estate	1,489,648	9.5
■ Cash Equivalent	94,067	0.6	■ Cash Equivalent	107,998	0.7



June 30, 2018 : \$14,799,060

September 30, 2018 : \$15,726,501



Allocation

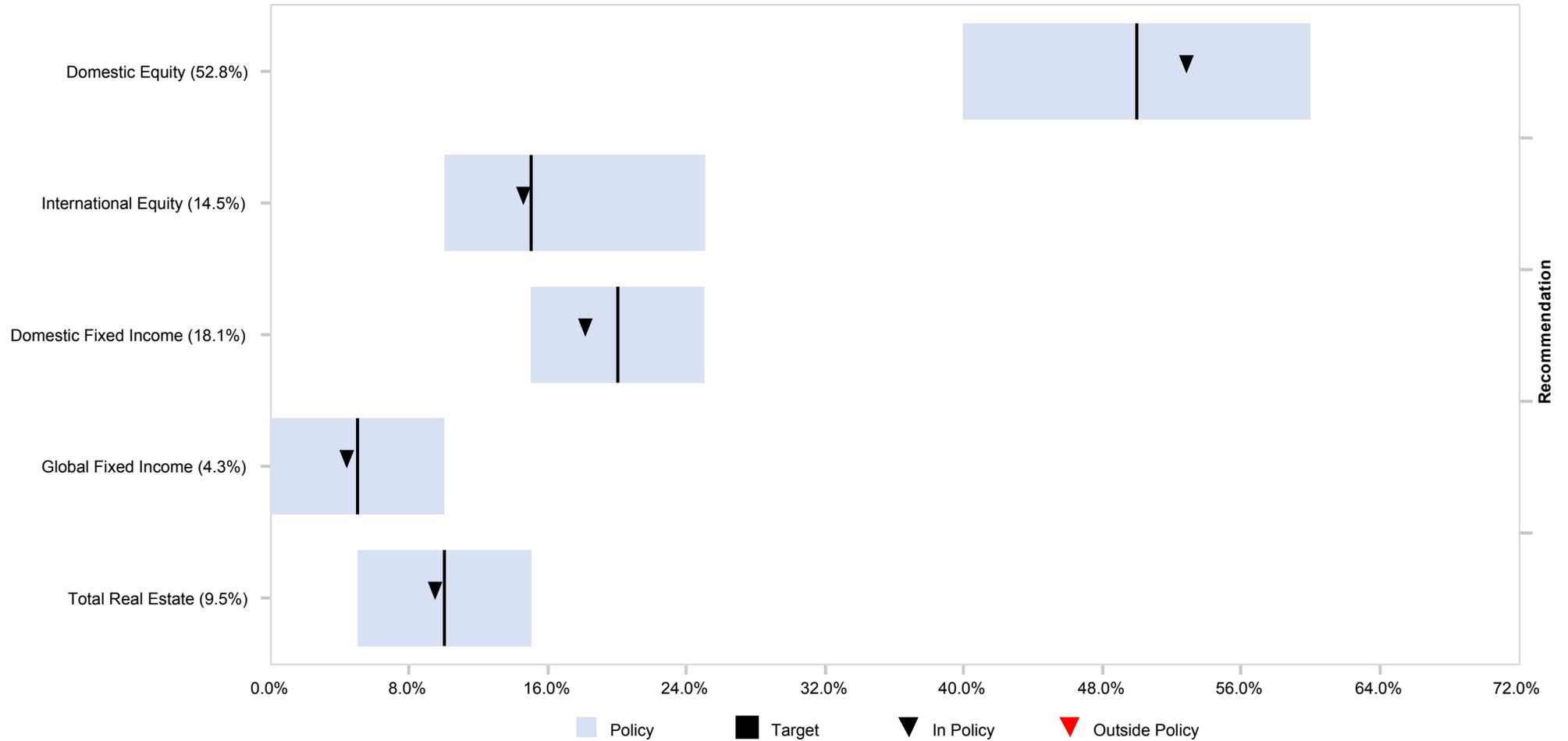
	Market Value	Allocation
■ Parnassus Core Equity Inst (PRILX)	1,923,931	13.0
■ JP Morgan Disciplined Equity R6 (JDEUX)	1,894,412	12.8
■ Vanguard TSM Index (VITSX)	1,938,504	13.1
■ Vanguard Mid-Cap Index Adm (VIMAX)	1,949,140	13.2
■ Europacific Growth (RERGX)	2,283,317	15.4
■ Garcia Hamilton Fixed Income	2,583,598	17.5
■ Templeton Global Total Return (FTTRX)	666,570	4.5
■ ASB Core Real Estate	1,465,521	9.9
■ Receipt & Disbursement	94,067	0.6

Allocation

	Market Value	Allocation
■ Parnassus Core Equity Inst (PRILX)	2,094,175	13.3
■ JP Morgan Disciplined Equity R6 (JDEUX)	2,062,843	13.1
■ Vanguard TSM Index (VITSX)	2,094,182	13.3
■ Vanguard Mid-Cap Index Adm (VIMAX)	2,058,291	13.1
■ Europacific Growth (RERGX)	2,285,841	14.5
■ Garcia Hamilton Fixed Income	2,850,486	18.1
■ Templeton Global Total Return (FTTRX)	683,038	4.3
■ ASB Core Real Estate	1,489,648	9.5
■ Receipt & Disbursement	107,998	0.7



**Executive Summary**

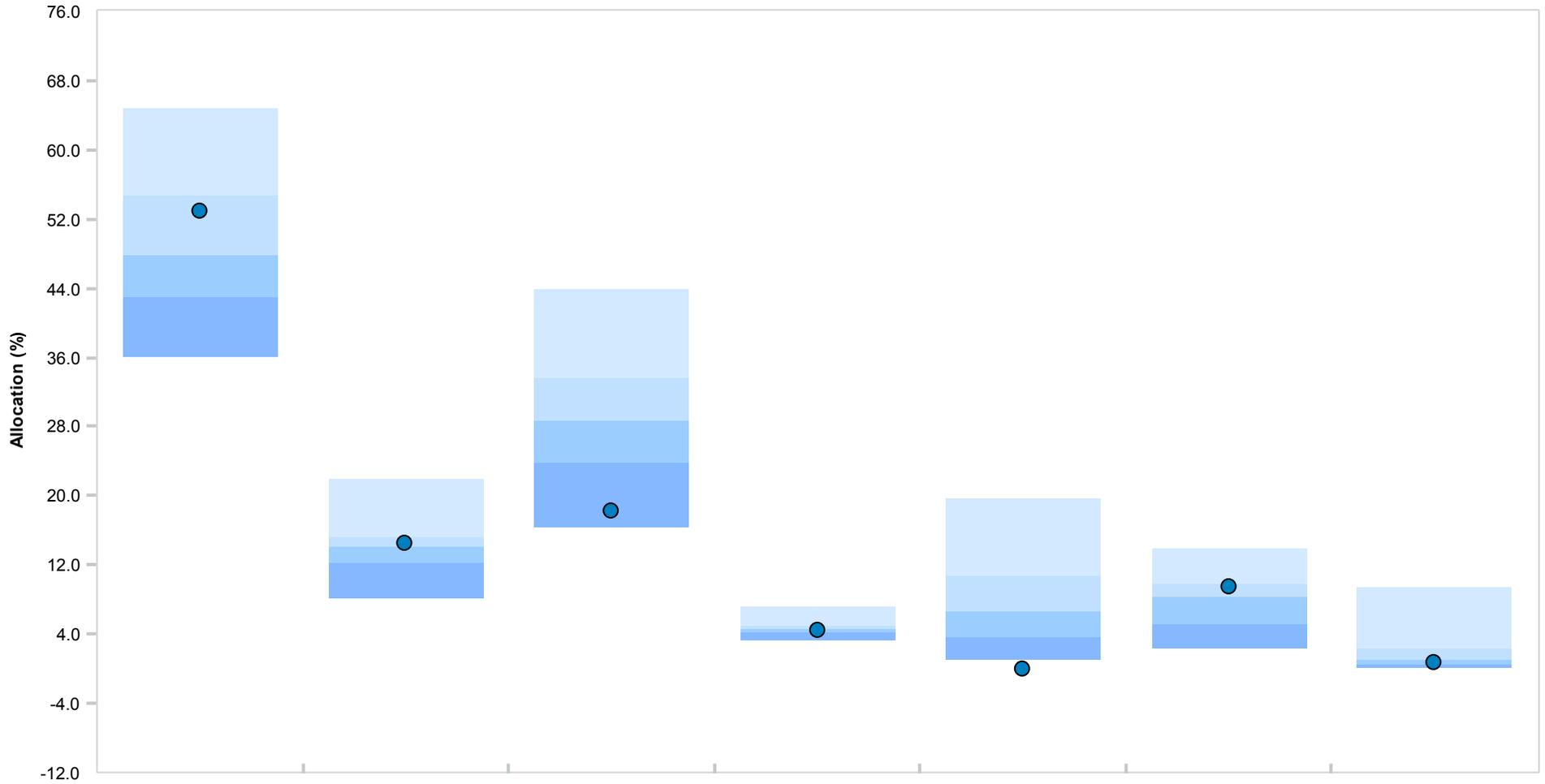


**Asset Allocation Compliance**

	Minimum Allocation (%)	Maximum Allocation (%)	Current Allocation (%)	Target Allocation (%)
Global Fixed Income	0.0	10.0	4.3	5.0
Total Real Estate	5.0	15.0	9.5	10.0
International Equity	10.0	25.0	14.5	15.0
Domestic Fixed Income	15.0	25.0	18.1	20.0
Domestic Equity	40.0	60.0	52.8	50.0
Total Fund	N/A	N/A	100.0	100.0



Plan Sponsor TF Asset Allocation vs. All Public Plans-Total Fund



	US Equity	Intl. Equity	US Fixed Income	Intl. Fixed Income	Alternative Inv.	Real Estate	Cash
● Lantana Police	52.84 (32)	14.53 (37)	18.13 (92)	4.34 (63)	0.00	9.47 (33)	0.69 (67)
5th Percentile	64.75	21.91	43.84	7.28	19.70	13.86	9.37
1st Quartile	54.71	15.31	33.65	4.92	10.76	9.89	2.35
Median	47.82	14.16	28.61	4.51	6.59	8.26	1.05
3rd Quartile	43.05	12.20	23.87	4.20	3.73	5.18	0.55
95th Percentile	36.04	8.05	16.37	3.26	0.96	2.39	0.05
Population	143	129	146	55	17	82	136

Parentheses contain percentile rankings.

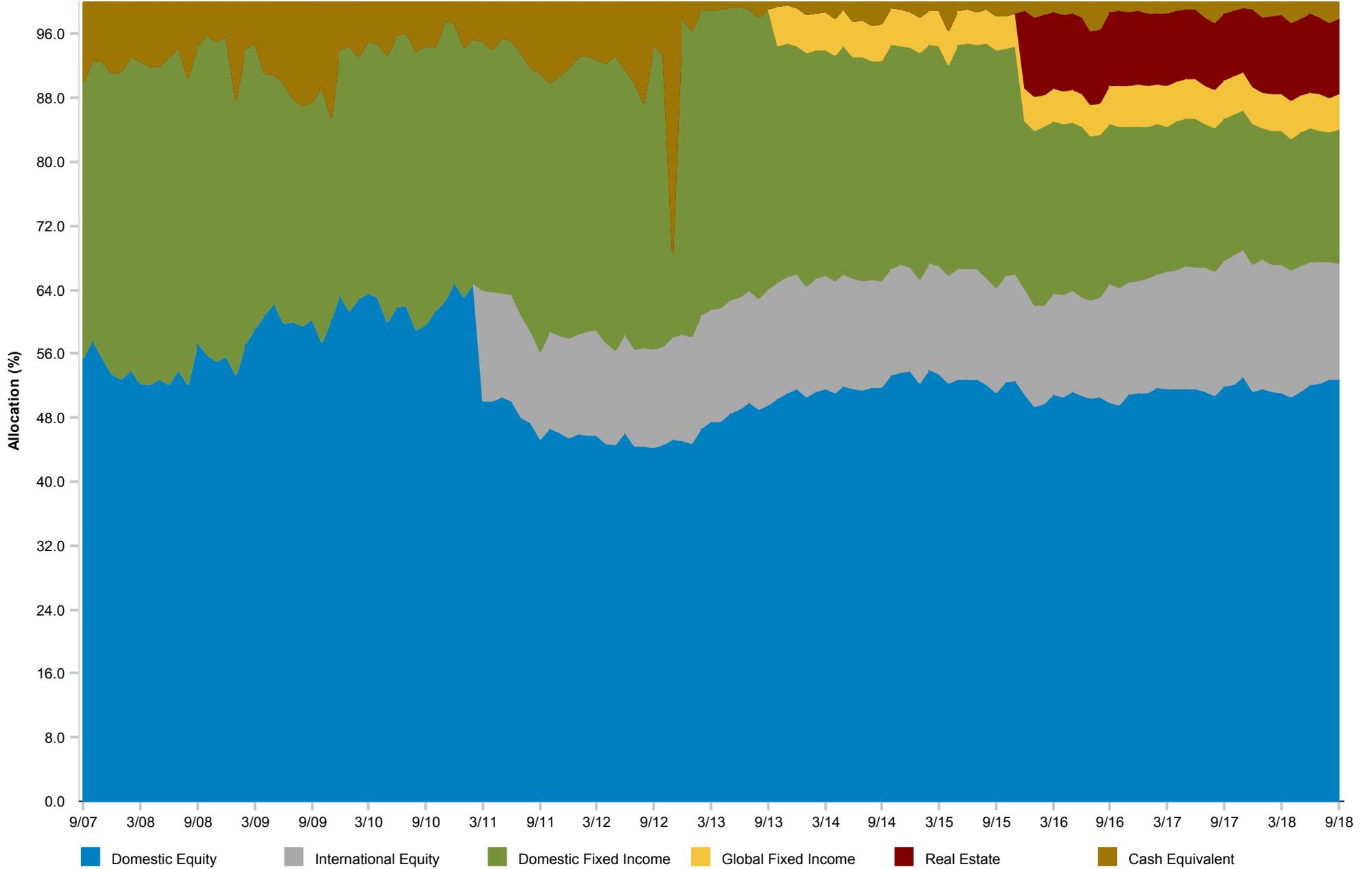


**Lantana Police Officers' Retirement System**  
**Asset Allocation History by Portfolio**  
As of September 30, 2018

	Sep-2018		Jun-2018		Mar-2018		Dec-2017		Sep-2017	
	(\$)	%	(\$)	%	(\$)	%	(\$)	%	(\$)	%
<b>Total Equity</b>	<b>10,595,332</b>	<b>67.37</b>	<b>9,989,303</b>	<b>67.50</b>	<b>9,775,360</b>	<b>67.15</b>	<b>9,745,756</b>	<b>67.25</b>	<b>9,368,867</b>	<b>66.93</b>
<b>Total Domestic Equity</b>	<b>8,309,491</b>	<b>52.84</b>	<b>7,705,986</b>	<b>52.07</b>	<b>7,437,463</b>	<b>51.09</b>	<b>7,442,701</b>	<b>51.35</b>	<b>7,175,718</b>	<b>51.26</b>
JP Morgan Disciplined Equity (JDEUX)	2,062,843	13.12	1,894,412	12.80	1,825,970	12.54	1,844,003	12.72	1,822,124	13.02
Parnassus Core Equity (PRILX)	2,094,175	13.32	1,923,931	13.00	1,863,805	12.80	1,858,511	12.82	1,746,926	12.48
Vanguard Mid-Cap Index (VIMAX)	2,058,291	13.09	1,949,140	13.17	1,891,140	12.99	1,881,699	12.98	1,767,249	12.62
Vanguard TSM Index (VITSX)	2,094,182	13.32	1,938,504	13.10	1,856,547	12.75	1,858,488	12.82	1,839,420	13.14
<b>Total International Equity</b>	<b>2,285,841</b>	<b>14.53</b>	<b>2,283,317</b>	<b>15.43</b>	<b>2,337,897</b>	<b>16.06</b>	<b>2,303,055</b>	<b>15.89</b>	<b>2,193,148</b>	<b>15.67</b>
Europacific Growth (RERGX)	2,285,841	14.53	2,283,317	15.43	2,337,897	16.06	2,303,055	15.89	2,193,148	15.67
<b>Total Fixed Income</b>	<b>3,533,524</b>	<b>22.47</b>	<b>3,250,168</b>	<b>21.96</b>	<b>3,235,057</b>	<b>22.22</b>	<b>3,220,199</b>	<b>22.22</b>	<b>3,226,001</b>	<b>23.05</b>
<b>Total Domestic Fixed Income</b>	<b>2,850,486</b>	<b>18.13</b>	<b>2,583,598</b>	<b>17.46</b>	<b>2,550,753</b>	<b>17.52</b>	<b>2,550,550</b>	<b>17.60</b>	<b>2,549,854</b>	<b>18.22</b>
Garcia Hamilton Fixed Income	2,850,486	18.13	2,583,598	17.46	2,550,753	17.52	2,550,550	17.60	2,549,854	18.22
<b>Total Diversified Fixed Income</b>	<b>683,038</b>	<b>4.34</b>	<b>666,570</b>	<b>4.50</b>	<b>684,304</b>	<b>4.70</b>	<b>669,649</b>	<b>4.62</b>	<b>676,147</b>	<b>4.83</b>
Templeton Global Total Return (FTTRX)	683,038	4.34	666,570	4.50	684,304	4.70	669,649	4.62	676,147	4.83
<b>Total Real Estate</b>	<b>1,489,648</b>	<b>9.47</b>	<b>1,465,521</b>	<b>9.90</b>	<b>1,441,389</b>	<b>9.90</b>	<b>1,416,888</b>	<b>9.78</b>	<b>1,171,510</b>	<b>8.37</b>
ASB Core Real Estate	1,489,648	9.47	1,465,521	9.90	1,441,389	9.90	1,416,888	9.78	1,171,510	8.37
<b>Cash Accounts</b>										
Receipt & Disbursement	107,998	0.69	94,067	0.64	105,666	0.73	109,876	0.76	232,048	1.66
<b>Total Fund</b>	<b>15,726,501</b>	<b>100.00</b>	<b>14,799,060</b>	<b>100.00</b>	<b>14,557,472</b>	<b>100.00</b>	<b>14,492,719</b>	<b>100.00</b>	<b>13,998,425</b>	<b>100.00</b>



Lantana Police Officers' Retirement System  
 Asset Allocation History by Asset Class  
 Since Inception Ending September 30, 2018



**Lantana Police Officers' Retirement System**  
**Financial Reconciliation**  
1 Quarter Ending September 30, 2018

	<b>Market Value 07/01/2018</b>	<b>Net Transfers</b>	<b>Contributions</b>	<b>Distributions</b>	<b>Management Fees</b>	<b>Other Expenses</b>	<b>Income</b>	<b>Capital Gain/Loss</b>	<b>Market Value 09/30/2018</b>
<b>Total Equity</b>	<b>9,989,303</b>	<b>94,469</b>	-	-	-	-	<b>33,032</b>	<b>478,529</b>	<b>10,595,332</b>
<b>Total Domestic Equity</b>	<b>7,705,986</b>	<b>72,668</b>	-	-	-	-	<b>33,032</b>	<b>497,804</b>	<b>8,309,491</b>
JP Morgan Disciplined Equity (JDEUX)	1,894,412	18,167	-	-	-	-	7,686	142,578	2,062,843
Parnassus Core Equity (PRILX)	1,923,931	18,167	-	-	-	-	6,144	145,934	2,094,175
Vanguard Mid-Cap Index (VIMAX)	1,949,140	18,167	-	-	-	-	9,330	81,654	2,058,291
Vanguard TSM Index (VITSX)	1,938,504	18,167	-	-	-	-	9,873	127,638	2,094,182
<b>Total International Equity</b>	<b>2,283,317</b>	<b>21,801</b>	-	-	-	-	-	<b>-19,276</b>	<b>2,285,841</b>
Europacific Growth (REGX)	2,283,317	21,801	-	-	-	-	-	-19,276	2,285,841
<b>Total Fixed Income</b>	<b>3,250,168</b>	<b>275,868</b>	-	-	-	<b>-628</b>	<b>29,698</b>	<b>-21,582</b>	<b>3,533,524</b>
<b>Domestic Fixed Income</b>	<b>2,583,598</b>	<b>268,601</b>	-	-	-	<b>-628</b>	<b>19,287</b>	<b>-20,373</b>	<b>2,850,486</b>
Garcia Hamilton Fixed Income	2,583,598	268,601	-	-	-	-628	19,287	-20,373	2,850,486
<b>Global Fixed Income</b>	<b>666,570</b>	<b>7,267</b>	-	-	-	-	<b>10,411</b>	<b>-1,210</b>	<b>683,038</b>
Templeton Global Total Return (FTTRX)	666,570	7,267	-	-	-	-	10,411	-1,210	683,038
<b>Total Real Estate</b>	<b>1,465,521</b>	-	-	-	<b>-4,579</b>	-	<b>2</b>	<b>28,704</b>	<b>1,489,648</b>
ASB Core Real Estate	1,465,521	-	-	-	-4,579	-	2	28,704	1,489,648
<b>Cash Accounts</b>									
Receipt & Disbursement	94,067	-370,337	502,429	-100,651	-	-18,399	888	-	107,998
<b>Total Fund</b>	<b>14,799,060</b>	-	<b>502,429</b>	<b>-100,651</b>	<b>-4,579</b>	<b>-19,027</b>	<b>63,619</b>	<b>485,651</b>	<b>15,726,501</b>



**Lantana Police Officers' Retirement System  
Financial Reconciliation**

October 1, 2017 To September 30, 2018

	Market Value 10/01/2017	Net Transfers	Contributions	Distributions	Management Fees	Other Expenses	Income	Capital Gain/Loss	Market Value 09/30/2018
<b>Total Equity</b>	<b>9,368,867</b>	<b>35,438</b>	-	-	-	-	<b>146,115</b>	<b>1,044,913</b>	<b>10,595,332</b>
<b>Total Domestic Equity</b>	<b>7,175,718</b>	<b>-24,663</b>	-	-	-	-	<b>123,850</b>	<b>1,034,586</b>	<b>8,309,491</b>
JP Morgan Disciplined Equity (JDEUX)	1,822,124	-62,416	-	-	-	-	28,804	274,331	2,062,843
Parnassus Core Equity (PRILX)	1,746,926	50,084	-	-	-	-	29,178	267,987	2,094,175
Vanguard Mid-Cap Index (VIMAX)	1,767,249	50,084	-	-	-	-	30,366	210,592	2,058,291
Vanguard TSM Index (VITSX)	1,839,420	-62,416	-	-	-	-	35,502	281,675	2,094,182
<b>Total International Equity</b>	<b>2,193,148</b>	<b>60,101</b>	-	-	-	-	<b>22,265</b>	<b>10,327</b>	<b>2,285,841</b>
Europacific Growth (REGX)	2,193,148	60,101	-	-	-	-	22,265	10,327	2,285,841
<b>Total Fixed Income</b>	<b>3,226,001</b>	<b>311,063</b>	-	-	<b>-9,441</b>	<b>-2,503</b>	<b>98,646</b>	<b>-90,242</b>	<b>3,533,524</b>
<b>Domestic Fixed Income</b>	<b>2,549,854</b>	<b>291,030</b>	-	-	<b>-9,441</b>	<b>-2,503</b>	<b>68,257</b>	<b>-46,711</b>	<b>2,850,486</b>
Garcia Hamilton Fixed Income	2,549,854	291,030	-	-	-9,441	-2,503	68,257	-46,711	2,850,486
<b>Global Fixed Income</b>	<b>676,147</b>	<b>20,034</b>	-	-	-	-	<b>30,389</b>	<b>-43,531</b>	<b>683,038</b>
Templeton Global Total Return (FTTRX)	676,147	20,034	-	-	-	-	30,389	-43,531	683,038
<b>Total Real Estate</b>	<b>1,171,510</b>	<b>225,000</b>	-	-	<b>-16,467</b>	-	<b>54</b>	<b>109,550</b>	<b>1,489,648</b>
ASB Core Real Estate	1,171,510	225,000	-	-	-16,467	-	54	109,550	1,489,648
<b>Cash Accounts</b>									
Receipt & Disbursement	232,048	-571,501	950,474	-389,497	-	-115,585	2,060	-	107,998
<b>Total Fund</b>	<b>13,998,425</b>	<b>-</b>	<b>950,474</b>	<b>-389,497</b>	<b>-25,908</b>	<b>-118,088</b>	<b>246,875</b>	<b>1,064,221</b>	<b>15,726,501</b>



**Lantana Police Officers' Retirement System**  
**Trailing Returns**  
As of September 30, 2018

	QTR		FYTD		1 YR		3 YR		5 YR		7 YR		Inception		Inception Date
<b>Total Fund (Gross)</b>	<b>3.68</b>	<b>(32)</b>	<b>9.35</b>	<b>(36)</b>	<b>9.35</b>	<b>(36)</b>	<b>10.38</b>	<b>(41)</b>	<b>8.12</b>	<b>(47)</b>	<b>9.09</b>	<b>(82)</b>	<b>7.57</b>	<b>(28)</b>	<b>07/01/2003</b>
Total Fund Policy	3.92	(25)	9.52	(32)	9.52	(32)	11.34	(15)	8.63	(28)	10.60	(29)	7.18	(50)	
All Public Plans-Total Fund Median	3.40		8.66		8.66		10.07		8.01		9.99		7.16		
<b>Total Fund (Net)</b>	<b>3.65</b>		<b>9.16</b>		<b>9.16</b>		<b>10.20</b>		<b>8.01</b>		<b>8.91</b>		<b>7.32</b>		<b>07/01/2003</b>
<b>Total Equity</b>	<b>5.12</b>		<b>12.70</b>		<b>12.70</b>		<b>14.07</b>		<b>10.68</b>		<b>12.92</b>		<b>9.87</b>		<b>07/01/2003</b>
Total Equity Policy	5.54		13.62		13.62		15.45		11.24		14.58		8.40		
<b>Domestic Equity</b>	<b>6.89</b>	<b>(30)</b>	<b>16.21</b>	<b>(37)</b>	<b>16.21</b>	<b>(37)</b>	<b>15.25</b>	<b>(38)</b>	<b>12.14</b>	<b>(41)</b>	<b>13.94</b>	<b>(74)</b>	<b>9.57</b>	<b>(81)</b>	<b>04/01/2011</b>
Total Domestic Equity Policy	7.12	(19)	17.58	(19)	17.58	(19)	17.07	(11)	13.46	(11)	16.86	(15)	13.12	(15)	
IM U.S. Multi-Cap Core Equity (MF) Median	5.83		14.51		14.51		14.53		11.56		15.25		11.44		
<b>International Equity</b>	<b>-0.84</b>	<b>(98)</b>	<b>1.48</b>	<b>(45)</b>	<b>1.48</b>	<b>(45)</b>	<b>9.92</b>	<b>(6)</b>	<b>5.50</b>	<b>(3)</b>	<b>9.19</b>	<b>(2)</b>	<b>5.39</b>	<b>(9)</b>	<b>04/01/2011</b>
Total International Equity Policy	0.80	(32)	2.25	(20)	2.25	(20)	10.49	(2)	4.60	(15)	7.74	(61)	4.19	(54)	
IM International Large Cap Core Equity (MF) Median	0.52		1.34		1.34		8.17		3.55		8.07		4.24		
<b>Total Fixed Income</b>	<b>0.25</b>		<b>0.26</b>		<b>0.26</b>		<b>2.74</b>		<b>2.73</b>		<b>2.30</b>		<b>3.30</b>		<b>07/01/2003</b>
Total Fixed Income Policy	0.13		-1.19		-1.19		2.09		2.38		2.20		3.65		
<b>Domestic Fixed Income</b>	<b>-0.02</b>	<b>(81)</b>	<b>0.87</b>	<b>(14)</b>	<b>0.87</b>	<b>(14)</b>	<b>2.27</b>	<b>(41)</b>	<b>2.72</b>	<b>(38)</b>	<b>2.30</b>	<b>(69)</b>	<b>3.29</b>	<b>(83)</b>	<b>07/01/2003</b>
Total Domestic Fixed Income Policy	0.02	(78)	-1.22	(62)	-1.22	(62)	1.31	(77)	2.16	(66)	2.05	(79)	3.58	(74)	
IM U.S. Broad Market Fixed Income (SA+CF+MF) Median	0.28		-0.93		-0.93		2.01		2.44		2.70		4.07		
<b>Global Fixed Income</b>	<b>1.38</b>	<b>(6)</b>	<b>-1.92</b>	<b>(67)</b>	<b>-1.92</b>	<b>(67)</b>	<b>4.64</b>	<b>(5)</b>	<b>N/A</b>		<b>N/A</b>		<b>1.80</b>	<b>(30)</b>	<b>11/01/2013</b>
Global Fixed Income Index	0.57	(16)	-1.16	(50)	-1.16	(50)	5.17	(2)	3.22	(11)	4.01	(8)	2.83	(14)	
IM Global Fixed Income (MF) Median	-0.39		-1.19		-1.19		2.36		1.39		1.73		1.18		
<b>Total Real Estate</b>	<b>1.96</b>	<b>(N/A)</b>	<b>8.25</b>	<b>(N/A)</b>	<b>8.25</b>	<b>(N/A)</b>	<b>N/A</b>		<b>N/A</b>		<b>N/A</b>		<b>6.03</b>	<b>(N/A)</b>	<b>01/01/2016</b>
NCREIF Fund Index-Open End Diversified Core (EW)	2.08	(N/A)	8.82	(N/A)	8.82	(N/A)	9.08	(N/A)	10.84	(N/A)	11.21	(N/A)	8.60	(N/A)	
IM U.S. Open End Private Real Estate (SA+CF) Median	N/A		N/A		N/A		N/A		N/A		N/A		N/A		

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



## Lantana Police Officers' Retirement System

## Trailing Returns

As of September 30, 2018

	QTR		FYTD		1 YR		3 YR		5 YR		7 YR		Inception		Inception Date
<b>Domestic Equity Strategies</b>															
<b>JP Morgan Disciplined Equity (JDEUX)</b>	<b>7.93</b>	<b>(23)</b>	<b>16.98</b>	<b>(38)</b>	<b>16.98</b>	<b>(38)</b>	<b>15.71</b>	<b>(44)</b>	<b>N/A</b>	<b>N/A</b>	<b>13.93</b>	<b>(52)</b>	<b>09/01/2015</b>		
S&P 500 Index	7.71	(30)	17.91	(26)	17.91	(26)	17.31	(14)	13.95	(12)	16.91	(17)	15.86	(11)	
IM U.S. Large Cap Core Equity (MF) Median	7.24		15.84		15.84		15.42		12.25		15.63		13.95		
<b>Parnassus Core Equity (PRILX)</b>	<b>7.90</b>	<b>(23)</b>	<b>16.75</b>	<b>(40)</b>	<b>16.75</b>	<b>(40)</b>	<b>14.41</b>	<b>(75)</b>	<b>N/A</b>	<b>N/A</b>	<b>13.28</b>	<b>(66)</b>	<b>09/01/2015</b>		
S&P 500 Index	7.71	(30)	17.91	(26)	17.91	(26)	17.31	(14)	13.95	(12)	16.91	(17)	15.86	(11)	
IM U.S. Large Cap Core Equity (MF) Median	7.24		15.84		15.84		15.42		12.25		15.63		13.95		
<b>Vanguard Mid-Cap Index (VIMAX)</b>	<b>4.67</b>	<b>(35)</b>	<b>13.43</b>	<b>(29)</b>	<b>13.43</b>	<b>(29)</b>	<b>13.76</b>	<b>(35)</b>	<b>N/A</b>	<b>N/A</b>	<b>12.00</b>	<b>(32)</b>	<b>09/01/2015</b>		
Russell Midcap Index	5.00	(24)	13.98	(20)	13.98	(20)	14.52	(24)	11.65	(12)	16.09	(8)	12.75	(23)	
IM U.S. Mid Cap Core Equity (MF) Median	3.82		10.70		10.70		12.56		9.46		14.37		10.70		
<b>Vanguard TSM Index (VITSX)</b>	<b>7.09</b>	<b>(22)</b>	<b>17.65</b>	<b>(18)</b>	<b>17.65</b>	<b>(18)</b>	<b>17.08</b>	<b>(11)</b>	<b>13.44</b>	<b>(12)</b>	<b>N/A</b>	<b>15.01</b>	<b>(20)</b>	<b>09/01/2012</b>	
Russell 3000 Index	7.12	(19)	17.58	(19)	17.58	(19)	17.07	(11)	13.46	(11)	16.86	(15)	15.05	(19)	
IM U.S. Multi-Cap Core Equity (MF) Median	5.83		14.51		14.51		14.53		11.56		15.25		13.76		
<b>International Equity Strategies</b>															
<b>Europacific Growth (REGRX)</b>	<b>-0.84</b>	<b>(98)</b>	<b>1.47</b>	<b>(45)</b>	<b>1.47</b>	<b>(45)</b>	<b>9.91</b>	<b>(6)</b>	<b>6.19</b>	<b>(1)</b>	<b>N/A</b>	<b>7.23</b>	<b>(4)</b>	<b>03/01/2013</b>	
MSCI AC World ex USA	0.80	(32)	2.25	(20)	2.25	(20)	10.49	(2)	4.60	(15)	7.74	(61)	5.42	(44)	
IM International Large Cap Core Equity (MF) Median	0.52		1.34		1.34		8.17		3.55		8.07		5.23		
<b>Domestic Fixed Income Strategies</b>															
<b>Garcia Hamilton Fixed Income</b>	<b>-0.02</b>	<b>(87)</b>	<b>0.87</b>	<b>(4)</b>	<b>0.87</b>	<b>(4)</b>	<b>2.27</b>	<b>(20)</b>	<b>N/A</b>	<b>N/A</b>	<b>2.21</b>	<b>(16)</b>	<b>12/01/2014</b>		
Blmbg. Barc. U.S. Aggregate Index	0.02	(83)	-1.22	(89)	-1.22	(89)	1.31	(87)	2.16	(88)	2.02	(94)	1.35	(91)	
IM U.S. Broad Market Core Fixed Income (SA+CF) Median	0.20		-0.73		-0.73		1.82		2.60		2.62		1.75		
<b>Global Fixed Income Strategies</b>															
<b>Templeton Global Total Return (FTTRX)</b>	<b>1.38</b>	<b>(6)</b>	<b>-1.92</b>	<b>(67)</b>	<b>-1.92</b>	<b>(67)</b>	<b>4.64</b>	<b>(5)</b>	<b>N/A</b>	<b>N/A</b>	<b>1.80</b>	<b>(30)</b>	<b>11/01/2013</b>		
Global Fixed Income Index	0.67	(13)	-1.21	(51)	-1.21	(51)	5.17	(2)	3.19	(11)	4.14	(7)	2.81	(14)	
IM Global Fixed Income (MF) Median	-0.39		-1.19		-1.19		2.36		1.39		1.73		1.18		
<b>Real Estate Strategies</b>															
<b>ASB Core Real Estate</b>	<b>1.96</b>	<b>(N/A)</b>	<b>8.25</b>	<b>(N/A)</b>	<b>8.25</b>	<b>(N/A)</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>6.03</b>	<b>(N/A)</b>	<b>01/01/2016</b>		
NCREIF Fund Index-Open End Diversified Core (EW)	2.08	(N/A)	8.82	(N/A)	8.82	(N/A)	9.08	(N/A)	10.84	(N/A)	11.21	(N/A)	8.60	(N/A)	
IM U.S. Open End Private Real Estate (SA+CF) Median	N/A		N/A		N/A		N/A		N/A		N/A		N/A		

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



**Lantana Police Officers' Retirement System**  
**Fiscal Year Returns**  
As of September 30, 2018

<b>Comparative Performance</b>																		
	FYTD	FY 2018	FY 2017	FY 2016	FY 2015	FY 2014	FY 2013	FY 2012	FY 2011									
<b>Total Fund (Gross)</b>	<b>9.35</b>	<b>(36)</b>	<b>9.35</b>	<b>(36)</b>	<b>12.38</b>	<b>(49)</b>	<b>9.45</b>	<b>(53)</b>	<b>-0.62</b>	<b>(57)</b>	<b>10.54</b>	<b>(47)</b>	<b>11.36</b>	<b>(72)</b>	<b>11.73</b>	<b>(98)</b>	<b>0.07</b>	<b>(52)</b>
Total Fund Policy	9.52	(32)	9.52	(32)	13.13	(33)	11.38	(9)	-1.25	(73)	11.01	(36)	12.79	(45)	18.67	(35)	0.39	(45)
All Public Plans-Total Fund Median	8.66		8.66		12.27		9.56		-0.25		10.42		12.55		18.08		0.11	
<b>Total Fund (Net)</b>	<b>9.16</b>		<b>9.16</b>		<b>12.22</b>		<b>9.25</b>		<b>-0.62</b>		<b>10.54</b>		<b>11.21</b>		<b>11.18</b>		<b>-0.23</b>	
<b>Total Equity</b>	<b>12.70</b>		<b>12.70</b>		<b>17.52</b>		<b>12.08</b>		<b>-2.28</b>		<b>14.51</b>		<b>20.88</b>		<b>16.62</b>		<b>-2.67</b>	
Total Equity Policy	13.62		13.62		19.14		13.68		-3.37		14.53		20.52		26.34		-2.27	
<b>Domestic Equity</b>	<b>16.21</b>	<b>(37)</b>	<b>16.21</b>	<b>(37)</b>	<b>16.60</b>	<b>(62)</b>	<b>12.96</b>	<b>(36)</b>	<b>-1.59</b>	<b>(47)</b>	<b>17.74</b>	<b>(32)</b>	<b>21.21</b>	<b>(65)</b>	<b>16.00</b>	<b>(97)</b>	<b>N/A</b>	
Total Domestic Equity Policy	17.58	(19)	17.58	(19)	18.71	(36)	14.96	(17)	-0.49	(32)	17.76	(31)	21.60	(59)	30.20	(18)	0.55	(30)
IM U.S. Multi-Cap Core Equity (MF) Median	14.51		14.51		17.51		11.85		-1.88		16.33		22.79		26.86		-1.52	
<b>International Equity</b>	<b>1.48</b>	<b>(45)</b>	<b>1.48</b>	<b>(45)</b>	<b>20.63</b>	<b>(21)</b>	<b>8.48</b>	<b>(6)</b>	<b>-4.88</b>	<b>(8)</b>	<b>3.47</b>	<b>(64)</b>	<b>19.20</b>	<b>(70)</b>	<b>18.77</b>	<b>(12)</b>	<b>N/A</b>	
Total International Equity Policy	2.25	(20)	2.25	(20)	20.15	(22)	9.80	(4)	-11.78	(78)	5.22	(32)	16.98	(75)	15.04	(47)	-10.42	(29)
IM International Large Cap Core Equity (MF) Median	1.34		1.34		18.41		5.55		-7.83		4.19		21.59		14.76		-11.30	
<b>Total Fixed Income</b>	<b>0.26</b>		<b>0.26</b>		<b>2.90</b>		<b>5.12</b>		<b>1.85</b>		<b>3.56</b>		<b>-2.37</b>		<b>5.02</b>		<b>4.67</b>	
Total Fixed Income Policy	-1.19		-1.19		0.62		7.01		1.58		4.06		-0.71		4.31		4.22	
<b>Domestic Fixed Income</b>	<b>0.87</b>	<b>(14)</b>	<b>0.87</b>	<b>(14)</b>	<b>0.31</b>	<b>(78)</b>	<b>5.72</b>	<b>(51)</b>	<b>3.43</b>	<b>(6)</b>	<b>3.37</b>	<b>(86)</b>	<b>-2.37</b>	<b>(90)</b>	<b>5.02</b>	<b>(91)</b>	<b>4.67</b>	<b>(42)</b>
Total Domestic Fixed Income Policy	-1.22	(62)	-1.22	(62)	0.07	(84)	5.19	(68)	2.94	(17)	3.96	(74)	-0.71	(42)	4.31	(97)	4.22	(55)
IM U.S. Broad Market Fixed Income (SA+CF+MF) Median	-0.93		-0.93		1.28		5.72		1.82		4.74		-0.98		7.75		4.40	
<b>Global Fixed Income</b>	<b>-1.92</b>	<b>(67)</b>	<b>-1.92</b>	<b>(67)</b>	<b>13.82</b>	<b>(1)</b>	<b>2.62</b>	<b>(95)</b>	<b>-8.14</b>	<b>(94)</b>	<b>N/A</b>		<b>N/A</b>		<b>N/A</b>		<b>N/A</b>	
Global Fixed Income Index	-1.16	(50)	-1.16	(50)	2.82	(28)	14.46	(1)	-3.75	(49)	4.65	(36)	-1.58	(48)	14.19	(3)	2.52	(39)
IM Global Fixed Income (MF) Median	-1.19		-1.19		1.02		7.42		-3.85		3.37		-1.81		7.17		1.74	
<b>Total Real Estate</b>	<b>8.25</b>	<b>(N/A)</b>	<b>8.25</b>	<b>(N/A)</b>	<b>3.60</b>	<b>(100)</b>	<b>N/A</b>											
NCREIF Fund Index-Open End Diversified Core (EW)	8.82	(N/A)	8.82	(N/A)	7.81	(60)	10.62	(69)	14.71	(62)	12.39	(68)	12.47	(67)	11.77	(66)	18.03	(44)
IM U.S. Open End Private Real Estate (SA+CF) Median	N/A		N/A		8.29		11.32		15.45		12.78		13.18		12.90		16.96	

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**Lantana Police Officers' Retirement System**  
**Fiscal Year Returns**  
As of September 30, 2018

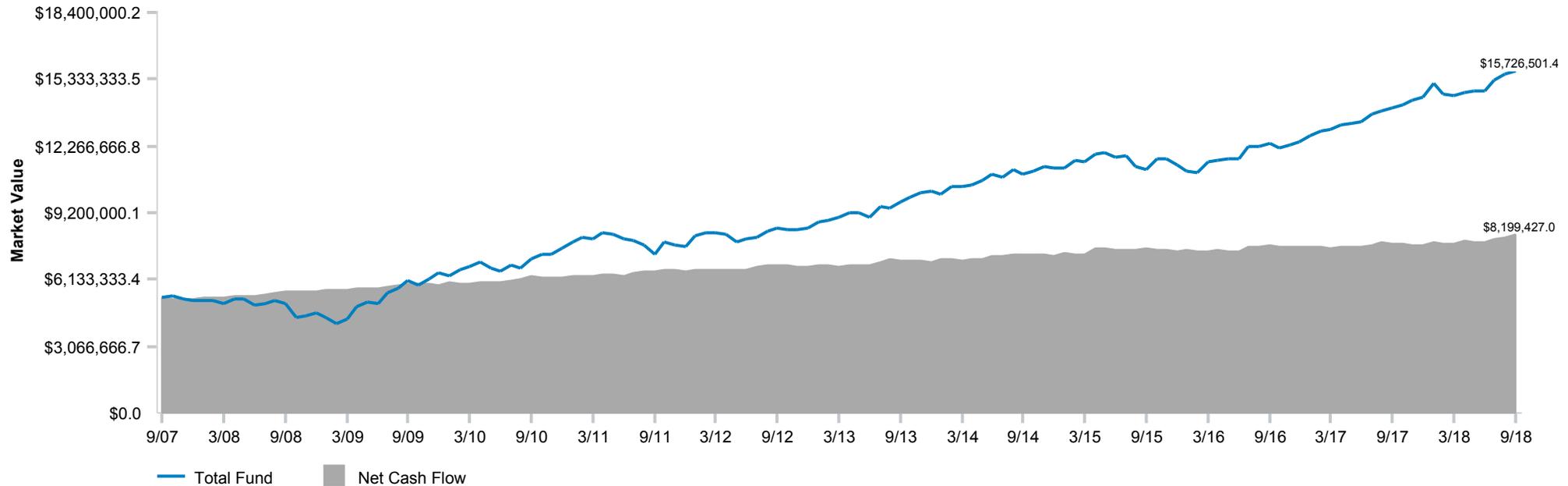
	FYTD	FY 2018	FY 2017	FY 2016	FY 2015	FY 2014	FY 2013	FY 2012	FY 2011
<b>Domestic Equity Strategies</b>									
<b>JP Morgan Disciplined Equity (JDEUX)</b>	<b>16.98 (38)</b>	<b>16.98 (38)</b>	<b>19.32 (31)</b>	<b>11.00 (77)</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
S&P 500 Index	17.91 (26)	17.91 (26)	18.61 (45)	15.43 (17)	-0.61 (28)	19.73 (17)	19.34 (61)	30.20 (24)	1.14 (23)
IM U.S. Large Cap Core Equity (MF) Median	15.84	15.84	18.34	13.07	-1.65	17.37	20.00	28.01	-1.19
<b>Parnassus Core Equity (PRILX)</b>	<b>16.75 (40)</b>	<b>16.75 (40)</b>	<b>13.15 (93)</b>	<b>13.37 (45)</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
S&P 500 Index	17.91 (26)	17.91 (26)	18.61 (45)	15.43 (17)	-0.61 (28)	19.73 (17)	19.34 (61)	30.20 (24)	1.14 (23)
IM U.S. Large Cap Core Equity (MF) Median	15.84	15.84	18.34	13.07	-1.65	17.37	20.00	28.01	-1.19
<b>Vanguard Mid-Cap Index (VIMAX)</b>	<b>13.43 (29)</b>	<b>13.43 (29)</b>	<b>15.30 (50)</b>	<b>12.57 (43)</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
Russell Midcap Index	13.98 (20)	13.98 (20)	15.32 (49)	14.25 (26)	-0.25 (36)	15.83 (16)	27.91 (38)	28.03 (35)	-0.88 (25)
IM U.S. Mid Cap Core Equity (MF) Median	10.70	10.70	15.29	11.94	-1.26	12.21	27.30	26.51	-3.63
<b>Vanguard TSM Index (VITSX)</b>	<b>17.65 (18)</b>	<b>17.65 (18)</b>	<b>18.64 (38)</b>	<b>14.98 (17)</b>	<b>-0.57 (34)</b>	<b>17.74 (32)</b>	<b>21.49 (61)</b>	<b>N/A</b>	<b>N/A</b>
Russell 3000 Index	17.58 (19)	17.58 (19)	18.71 (36)	14.96 (17)	-0.49 (32)	17.76 (31)	21.60 (59)	30.20 (18)	0.55 (30)
IM U.S. Multi-Cap Core Equity (MF) Median	14.51	14.51	17.51	11.85	-1.88	16.33	22.79	26.86	-1.52
<b>International Equity Strategies</b>									
<b>Europacific Growth (REGRX)</b>	<b>1.47 (45)</b>	<b>1.47 (45)</b>	<b>20.64 (21)</b>	<b>8.48 (6)</b>	<b>-4.93 (8)</b>	<b>6.98 (12)</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
MSCI AC World ex USA	2.25 (20)	2.25 (20)	20.15 (22)	9.80 (4)	-11.78 (78)	5.22 (32)	16.98 (75)	15.04 (47)	-10.42 (29)
IM International Large Cap Core Equity (MF) Median	1.34	1.34	18.41	5.55	-7.83	4.19	21.59	14.76	-11.30
<b>Domestic Fixed Income Strategies</b>									
<b>Garcia Hamilton Fixed Income</b>	<b>0.87 (4)</b>	<b>0.87 (4)</b>	<b>0.31 (69)</b>	<b>5.72 (47)</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
Blmbg. Barc. U.S. Aggregate Index	-1.22 (89)	-1.22 (89)	0.07 (86)	5.19 (80)	2.94 (59)	3.96 (81)	-1.68 (80)	5.16 (91)	5.26 (49)
IM U.S. Broad Market Core Fixed Income (SA+CF) Median	-0.73	-0.73	0.63	5.67	3.02	4.52	-1.22	6.70	5.26
<b>PIMCO Total Return (PTTRX)</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>3.29 (83)</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
Blmbg. Barc. U.S. Aggregate Index	-1.22 (40)	-1.22 (40)	0.07 (64)	5.19 (51)	2.94 (9)	3.96 (59)	-1.68 (53)	5.16 (81)	5.26 (14)
IM U.S. Broad Market Core Fixed Income (MF) Median	-1.35	-1.35	0.47	5.21	1.98	4.19	-1.62	6.79	4.30
<b>Global Fixed Income Strategies</b>									
<b>Templeton Global Total Return (FTTRX)</b>	<b>-1.92 (67)</b>	<b>-1.92 (67)</b>	<b>13.82 (1)</b>	<b>2.62 (95)</b>	<b>-8.14 (94)</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
Global Fixed Income Index	-1.21 (51)	-1.21 (51)	3.07 (27)	14.24 (1)	-3.96 (52)	4.70 (36)	-0.84 (37)	14.55 (3)	2.12 (43)
IM Global Fixed Income (MF) Median	-1.19	-1.19	1.02	7.42	-3.85	3.37	-1.81	7.17	1.74
<b>Real Estate Strategies</b>									
<b>ASB Core Real Estate</b>	<b>8.25 (N/A)</b>	<b>8.25 (N/A)</b>	<b>3.60 (100)</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
NCREIF Fund Index-Open End Diversified Core (EW)	8.82 (N/A)	8.82 (N/A)	7.81 (60)	10.62 (69)	14.71 (62)	12.39 (68)	12.47 (67)	11.77 (66)	18.03 (44)
IM U.S. Open End Private Real Estate (SA+CF) Median	N/A	N/A	8.29	11.32	15.45	12.78	13.18	12.90	16.96

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



Lantana Police Officers' Retirement System  
 Long-Term Performance  
 As of September 30, 2018

Plan Growth



Trailing Returns

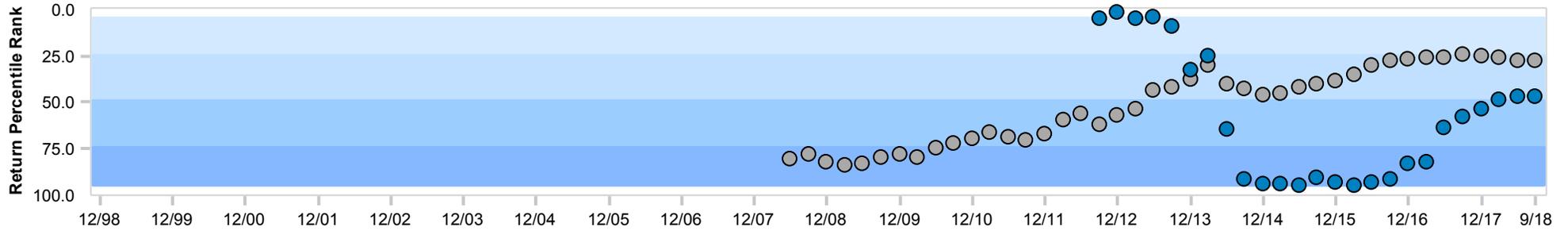
	QTR	YTD	1 YR	2 YR	3 YR	5 YR	7 YR	10 YR	15 YR
Total Fund	3.68 (32)	5.07 (34)	9.35 (36)	10.86 (44)	10.38 (41)	8.12 (47)	9.09 (82)	8.81 (18)	7.62 (26)
Total Fund Policy	3.92 (25)	5.05 (35)	9.52 (32)	11.31 (29)	11.34 (15)	8.63 (28)	10.60 (29)	8.52 (34)	7.18 (53)
Median	3.40	4.56	8.66	10.59	10.07	8.01	9.99	8.15	7.20

Fiscal Year Returns

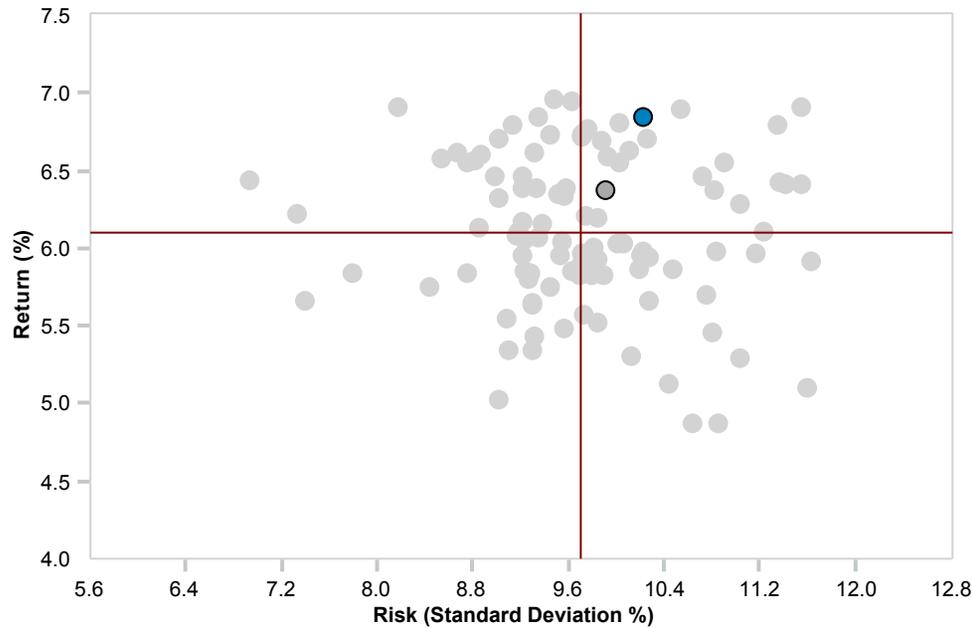
	FYTD	FY 2017	FY 2016	FY 2015	FY 2014	FY 2013	FY 2012	FY 2011	FY 2010
Total Fund	9.35 (36)	12.38 (48)	9.45 (52)	-0.62 (56)	10.54 (52)	11.36 (69)	11.73 (97)	0.07 (49)	10.34 (33)
Total Fund Policy	9.52 (32)	13.13 (31)	11.38 (10)	-1.25 (72)	11.01 (43)	12.79 (40)	18.67 (37)	0.39 (41)	9.81 (49)
Median	8.66	12.23	9.53	-0.37	10.57	12.16	18.25	0.06	9.77



5 Year Rolling Percentile Ranking

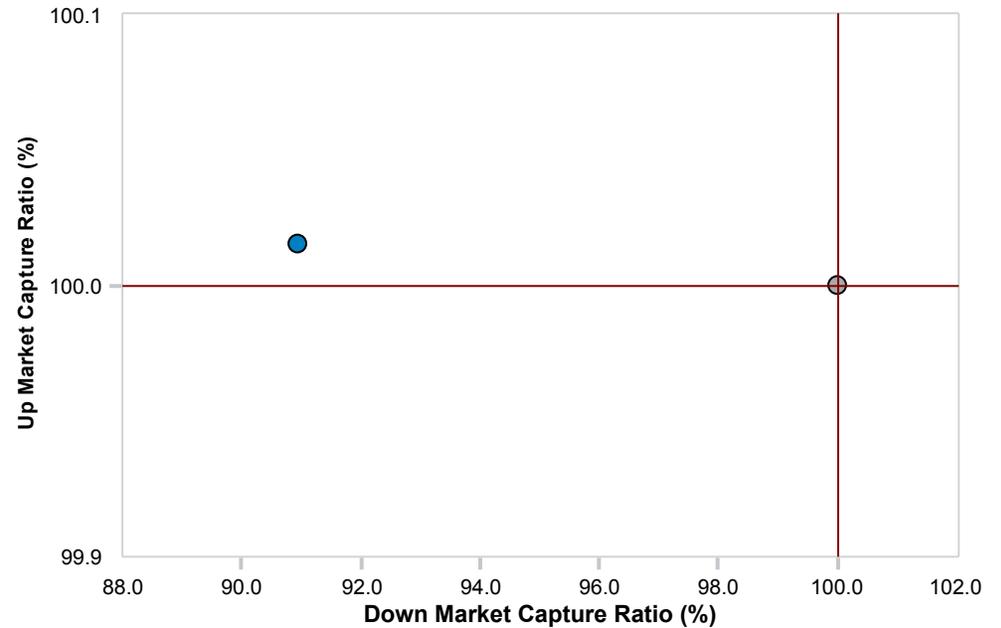


Risk vs Return: October 2007 to Present



● Total Fund    ● Total Fund Policy

Up/Down Markets: October 2007 to Present



● Total Fund    ● Total Fund Policy

Historical Statistics: October 1, 2007 To September 30, 2018

	Consistency	Maximum Drawdown	Alpha	Active Return	Sharpe Ratio	Information Ratio	Treynor Ratio	Beta	Tracking Error
Total Fund	40.91	-23.88	0.61	0.47	0.64	0.15	0.07	0.98	3.22
Total Fund Policy	0.00	-28.33	0.00	0.00	0.61	N/A	0.06	1.00	0.00



**Lantana Police Officers' Retirement System**  
**Compliance Statistics**  
As of September 30, 2018

**Multi Timeperiod Statistics**

	1 Qtr Return		1 Quarter Ending Jun-2018 Return		1 Quarter Ending Mar-2018 Return		1 Quarter Ending Dec-2017 Return		3 YR Return		5 YR Return		3 YR Down Market Capture		5 YR Down Market Capture	
<b>Total Fund (Gross)</b>	<b>3.68</b>	<b>(32)</b>	<b>1.28</b>	<b>(55)</b>	<b>0.06</b>	<b>(26)</b>	<b>4.07</b>	<b>(26)</b>	<b>10.38</b>	<b>(41)</b>	<b>8.12</b>	<b>(47)</b>	<b>-11.16</b>	<b>(82)</b>	<b>93.81</b>	<b>(60)</b>
Total Fund Policy	3.92	(25)	1.63	(38)	-0.53	(69)	4.25	(17)	11.34	(15)	8.63	(28)	100.00		100.00	
All Public Plans-Total Fund Median	3.40		1.36		-0.28		3.74		10.07		8.01		70.26		98.66	
<b>Total Fund (Net)</b>	<b>3.65</b>		<b>1.22</b>		<b>0.00</b>		<b>4.05</b>		<b>10.20</b>		<b>8.01</b>		<b>0.71</b>		<b>94.72</b>	
Total Fund Policy	3.92		1.63		-0.53		4.25		11.34		8.63		100.00		100.00	
<b>Total Equity</b>	<b>5.12</b>		<b>1.69</b>		<b>-0.18</b>		<b>5.62</b>		<b>14.07</b>		<b>10.68</b>		<b>24.10</b>		<b>91.71</b>	
Total Equity Policy	5.54		2.31		-0.75		6.02		15.45		11.24		100.00		100.00	
<b>Domestic Equity</b>	<b>6.89</b>	<b>(30)</b>	<b>3.10</b>	<b>(41)</b>	<b>-0.56</b>	<b>(46)</b>	<b>6.04</b>	<b>(53)</b>	<b>15.25</b>	<b>(38)</b>	<b>12.14</b>	<b>(41)</b>	<b>86.71</b>	<b>(54)</b>	<b>111.50</b>	<b>(42)</b>
Total Domestic Equity Policy	7.12	(19)	3.89	(20)	-0.64	(52)	6.34	(43)	17.07	(11)	13.46	(11)	100.00		100.00	
IM U.S. Multi-Cap Core Equity (MF) Median	5.83		2.64		-0.61		6.13		14.53		11.56		93.84		106.51	
<b>International Equity</b>	<b>-0.84</b>	<b>(98)</b>	<b>-2.82</b>	<b>(86)</b>	<b>1.03</b>	<b>(8)</b>	<b>4.23</b>	<b>(45)</b>	<b>9.92</b>	<b>(6)</b>	<b>5.50</b>	<b>(3)</b>	<b>160.74</b>	<b>(64)</b>	<b>91.52</b>	<b>(94)</b>
Total International Equity Policy	0.80	(32)	-2.39	(79)	-1.08	(46)	5.06	(13)	10.49	(2)	4.60	(15)	100.00		100.00	
IM International Large Cap Core Equity (MF) Median	0.52		-1.78		-1.18		4.01		8.17		3.55		167.74		106.94	
<b>Total Fixed Income</b>	<b>0.25</b>		<b>-0.21</b>		<b>-0.14</b>		<b>0.36</b>		<b>2.74</b>		<b>2.73</b>		<b>9.93</b>		<b>44.48</b>	
Total Fixed Income Policy	0.13		-0.68		-1.07		0.43		2.09		2.38		100.00		100.00	
<b>Domestic Fixed Income</b>	<b>-0.02</b>	<b>(87)</b>	<b>0.58</b>	<b>(1)</b>	<b>-0.60</b>	<b>(6)</b>	<b>0.92</b>	<b>(5)</b>	<b>2.27</b>	<b>(20)</b>	<b>2.72</b>	<b>(34)</b>	<b>49.89</b>	<b>(97)</b>	<b>74.78</b>	<b>(85)</b>
Total Domestic Fixed Income Policy	0.02	(83)	-0.16	(74)	-1.46	(68)	0.39	(79)	1.31	(87)	2.16	(88)	100.00		100.00	
IM U.S. Broad Market Core Fixed Income (SA+CF) Median	0.20		-0.09		-1.37		0.51		1.82		2.60		90.53		87.67	
<b>Global Fixed Income</b>	<b>1.38</b>	<b>(6)</b>	<b>-3.14</b>	<b>(56)</b>	<b>1.64</b>	<b>(27)</b>	<b>-1.73</b>	<b>(100)</b>	<b>4.64</b>	<b>(5)</b>	<b>N/A</b>		<b>-91.14</b>	<b>(100)</b>	<b>N/A</b>	
Global Fixed Income Index	0.57	(16)	-2.77	(54)	0.49	(59)	0.58	(59)	5.17	(2)	3.22	(11)	100.00		100.00	
IM Global Fixed Income (MF) Median	-0.39		-2.23		0.76		0.66		2.36		1.39		101.81		109.16	
<b>Total Real Estate</b>	<b>1.96</b>	<b>(N/A)</b>	<b>1.99</b>	<b>(74)</b>	<b>2.00</b>	<b>(74)</b>	<b>2.06</b>	<b>(72)</b>	<b>N/A</b>		<b>N/A</b>		<b>N/A</b>		<b>N/A</b>	
NCREIF Fund Index-Open End Diversified Core (EW)	2.08	(N/A)	2.13	(65)	2.17	(58)	2.15	(57)	9.08	(N/A)	10.84	(N/A)	N/A		N/A	
IM U.S. Open End Private Real Estate (SA+CF) Median	N/A		2.25		2.22		2.25		N/A		N/A		N/A		N/A	



**Lantana Police Officers' Retirement System**  
**Compliance Statistics**  
As of September 30, 2018

	1 Qtr Return		1 Quarter Ending Jun-2018 Return		1 Quarter Ending Mar-2018 Return		1 Quarter Ending Dec-2017 Return		3 YR Return		5 YR Return		3 YR Down Market Capture		5 YR Down Market Capture	
<b>Domestic Equity Strategies</b>																
<b>JP Morgan Disciplined Equity (JDEUX)</b>	<b>7.93</b>	<b>(23)</b>	<b>3.23</b>	<b>(35)</b>	<b>-1.48</b>	<b>(65)</b>	<b>6.56</b>	<b>(42)</b>	<b>15.71</b>	<b>(44)</b>	<b>N/A</b>		<b>194.74</b>	<b>(36)</b>	<b>N/A</b>	
S&P 500 Index	7.71	(30)	3.43	(26)	-0.76	(43)	6.64	(38)	17.31	(14)	13.95	(12)	100.00		100.00	
IM U.S. Large Cap Core Equity (MF) Median	7.24		2.85		-1.09		6.41		15.42		12.25		144.37		112.35	
<b>Parnassus Core Equity (PRILX)</b>	<b>7.90</b>	<b>(23)</b>	<b>2.72</b>	<b>(54)</b>	<b>-0.21</b>	<b>(22)</b>	<b>5.55</b>	<b>(81)</b>	<b>14.41</b>	<b>(75)</b>	<b>N/A</b>		<b>27.50</b>	<b>(80)</b>	<b>N/A</b>	
S&P 500 Index	7.71	(30)	3.43	(26)	-0.76	(43)	6.64	(38)	17.31	(14)	13.95	(12)	100.00		100.00	
IM U.S. Large Cap Core Equity (MF) Median	7.24		2.85		-1.09		6.41		15.42		12.25		144.37		112.35	
<b>Vanguard Mid-Cap Index (VIMAX)</b>	<b>4.67</b>	<b>(35)</b>	<b>2.57</b>	<b>(41)</b>	<b>0.01</b>	<b>(17)</b>	<b>5.65</b>	<b>(46)</b>	<b>13.76</b>	<b>(35)</b>	<b>N/A</b>		<b>-2.52</b>	<b>(81)</b>	<b>N/A</b>	
Russell Midcap Index	5.00	(24)	2.82	(33)	-0.46	(22)	6.07	(33)	14.52	(24)	11.65	(12)	100.00		100.00	
IM U.S. Mid Cap Core Equity (MF) Median	3.82		2.28		-1.31		5.52		12.56		9.46		294.34		124.54	
<b>Vanguard TSM Index (VITSX)</b>	<b>7.09</b>	<b>(22)</b>	<b>3.91</b>	<b>(19)</b>	<b>-0.60</b>	<b>(49)</b>	<b>6.37</b>	<b>(41)</b>	<b>17.08</b>	<b>(11)</b>	<b>13.44</b>	<b>(12)</b>	<b>93.20</b>	<b>(52)</b>	<b>99.63</b>	<b>(63)</b>
Russell 3000 Index	7.12	(19)	3.89	(20)	-0.64	(52)	6.34	(43)	17.07	(11)	13.46	(11)	100.00		100.00	
IM U.S. Multi-Cap Core Equity (MF) Median	5.83		2.64		-0.61		6.13		14.53		11.56		93.84		106.51	
<b>International Equity Strategies</b>																
<b>Europacific Growth (REGRX)</b>	<b>-0.84</b>	<b>(98)</b>	<b>-2.82</b>	<b>(87)</b>	<b>1.03</b>	<b>(8)</b>	<b>4.23</b>	<b>(45)</b>	<b>9.91</b>	<b>(6)</b>	<b>6.19</b>	<b>(1)</b>	<b>160.87</b>	<b>(64)</b>	<b>91.65</b>	<b>(93)</b>
MSCI AC World ex USA	0.80	(32)	-2.39	(79)	-1.08	(46)	5.06	(13)	10.49	(2)	4.60	(15)	100.00		100.00	
IM International Large Cap Core Equity (MF) Median	0.52		-1.78		-1.18		4.01		8.17		3.55		167.74		106.94	
<b>Domestic Fixed Income Strategies</b>																
<b>Garcia Hamilton Fixed Income</b>	<b>-0.02</b>	<b>(87)</b>	<b>0.58</b>	<b>(1)</b>	<b>-0.60</b>	<b>(6)</b>	<b>0.92</b>	<b>(5)</b>	<b>2.27</b>	<b>(20)</b>	<b>N/A</b>		<b>49.89</b>	<b>(97)</b>	<b>N/A</b>	
Blmbg. Barc. U.S. Aggregate Index	0.02	(83)	-0.16	(74)	-1.46	(68)	0.39	(79)	1.31	(87)	2.16	(88)	100.00		100.00	
IM U.S. Broad Market Core Fixed Income (SA+CF) Median	0.20		-0.09		-1.37		0.51		1.82		2.60		90.53		87.67	
<b>Global Fixed Income Strategies</b>																
<b>Templeton Global Total Return (FTTRX)</b>	<b>1.38</b>	<b>(6)</b>	<b>-3.14</b>	<b>(56)</b>	<b>1.64</b>	<b>(27)</b>	<b>-1.73</b>	<b>(100)</b>	<b>4.64</b>	<b>(5)</b>	<b>N/A</b>		<b>-94.61</b>	<b>(100)</b>	<b>N/A</b>	
Global Fixed Income Index	0.67	(13)	-2.64	(53)	0.24	(63)	0.56	(62)	5.17	(2)	3.19	(11)	100.00		100.00	
IM Global Fixed Income (MF) Median	-0.39		-2.23		0.76		0.66		2.36		1.39		105.68		109.46	
<b>Real Estate Strategies</b>																
<b>ASB Core Real Estate</b>	<b>1.96</b>	<b>(N/A)</b>	<b>1.99</b>	<b>(74)</b>	<b>2.00</b>	<b>(74)</b>	<b>2.06</b>	<b>(72)</b>	<b>N/A</b>		<b>N/A</b>		<b>N/A</b>		<b>N/A</b>	
NCREIF Fund Index-Open End Diversified Core (EW)	2.08	(N/A)	2.13	(65)	2.17	(58)	2.15	(57)	9.08	(N/A)	10.84	(N/A)	N/A		N/A	
IM U.S. Open End Private Real Estate (SA+CF) Median	N/A		2.25		2.22		2.25		N/A		N/A		N/A		N/A	

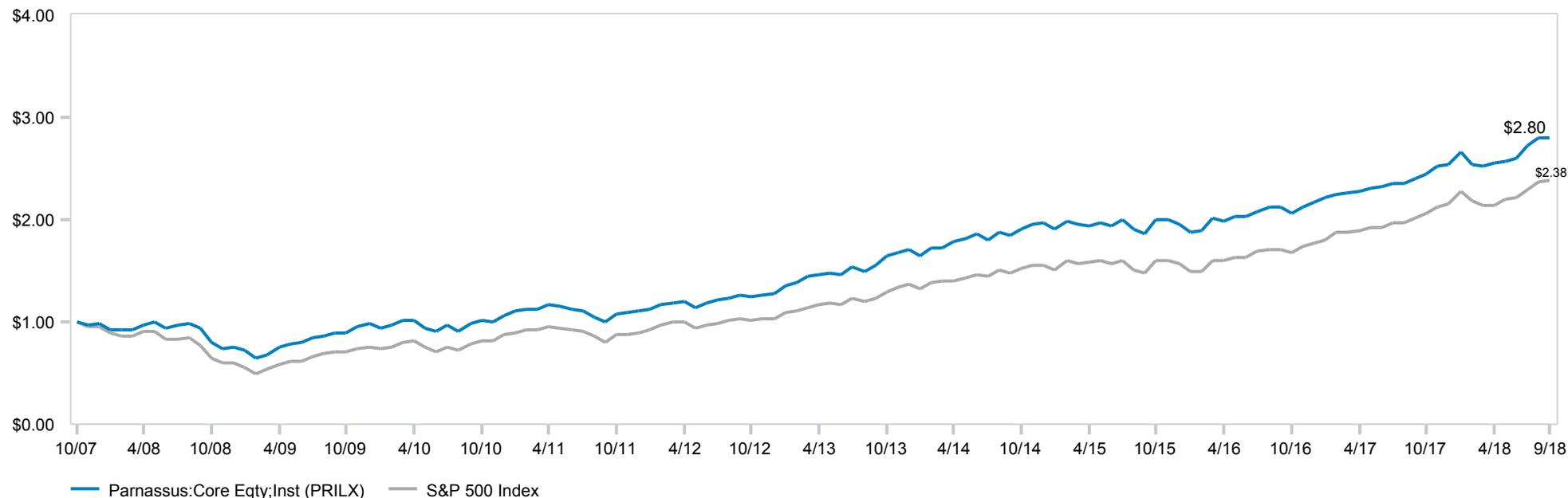


	Estimated Annual Fee (%)	09/30/18 Market Value	09/30/18 Allocation (%)	Estimated Annual Fee (\$)
<b>Domestic Equity</b>				
JP Morgan Disciplined Equity R6 (JDEUX)	0.35	2,062,843	13.12	7,220
Vanguard TSM Index (VITSX)	0.04	2,094,182	13.32	838
Vanguard Mid-Cap Index Adm (VIMAX)	0.09	2,058,291	13.09	1,852
Parnassus Core Equity Inst (PRILX)	0.67	2,094,175	13.32	14,031
<b>International Equity</b>				
Europacific Growth (RERGX)	0.49	2,285,841	14.53	11,201
<b>Domestic Fixed Income</b>				
Garcia Hamilton Fixed Income	0.25	2,850,486	18.13	7,126
<b>Global Fixed Income</b>				
Templeton Global Total Return (FTTRX)	0.66	683,038	4.34	4,508
<b>Real Estate</b>				
ASB Core Real Estate	1.25	1,489,648	9.47	18,621
<b>Cash Accounts</b>				
Receipt & Disbursement	0.00	107,998	0.69	-
<b>Total Fund</b>	<b>0.42</b>	<b>15,726,501</b>	<b>100.00</b>	<b>65,397</b>

# Long-Term Manager Composite Data



Growth of a Dollar



Trailing Returns

	QTR	YTD	1 YR	2 YR	3 YR	5 YR	7 YR	10 YR	15 YR
Parnassus:Core Eqty;Inst (PRILX)	7.90 (23)	10.60 (24)	16.74 (41)	14.93 (80)	14.42 (75)	12.41 (46)	15.93 (42)	11.55 (28)	N/A
S&P 500 Index	7.71 (30)	10.56 (24)	17.91 (26)	18.26 (26)	17.31 (14)	13.95 (12)	16.91 (17)	11.97 (18)	9.65 (22)
Median	7.24	8.78	15.84	16.84	15.42	12.25	15.63	10.90	8.85

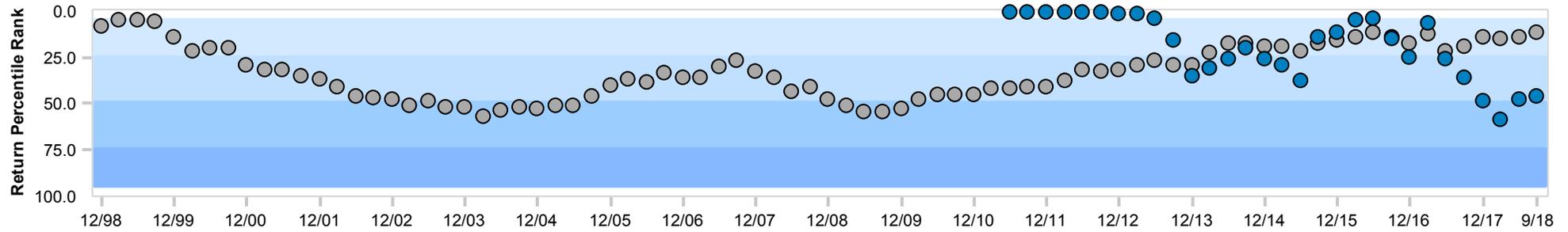
Fiscal Year Returns

	FYTD	FY 2017	FY 2016	FY 2015	FY 2014	FY 2013	FY 2012	FY 2011	FY 2010
Parnassus:Core Eqty;Inst (PRILX)	16.74 (41)	13.15 (93)	13.41 (45)	1.09 (10)	18.51 (35)	23.61 (10)	26.83 (62)	0.58 (30)	10.64 (18)
S&P 500 Index	17.91 (26)	18.61 (45)	15.43 (17)	-0.61 (28)	19.73 (17)	19.34 (61)	30.20 (24)	1.14 (23)	10.16 (24)
Median	15.84	18.34	13.07	-1.65	17.37	20.00	28.01	-1.19	8.30

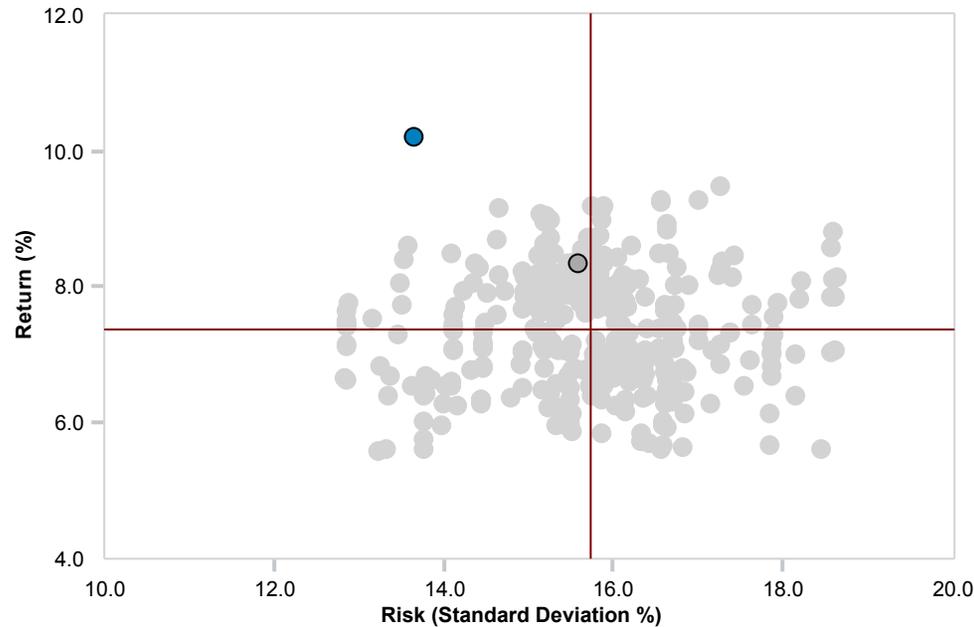
Long-term composite performance. Actual client results may vary.  
October 2007 represents the beginning of the current market cycle.  
Peer Group: IM U.S. Large Cap Core Equity (MF)



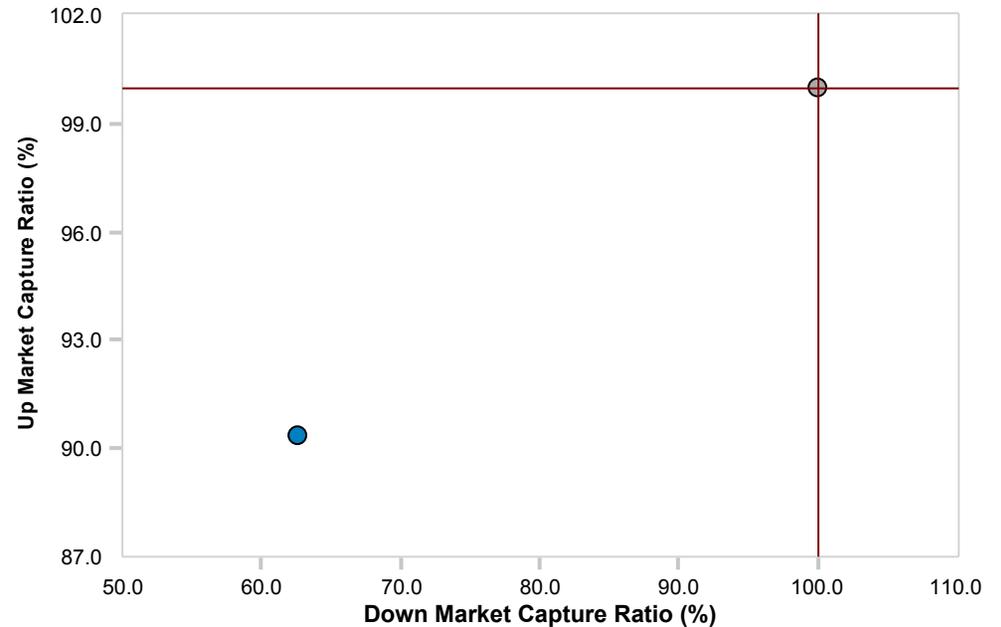
5 Year Rolling Percentile Ranking



Risk vs Return: October 2007 to Present



Up/Down Markets: October 2007 to Present



● Parnassus:Core Eqty;Inst (PRILX) ● S&P 500 Index

● Parnassus:Core Eqty;Inst (PRILX) ● S&P 500 Index

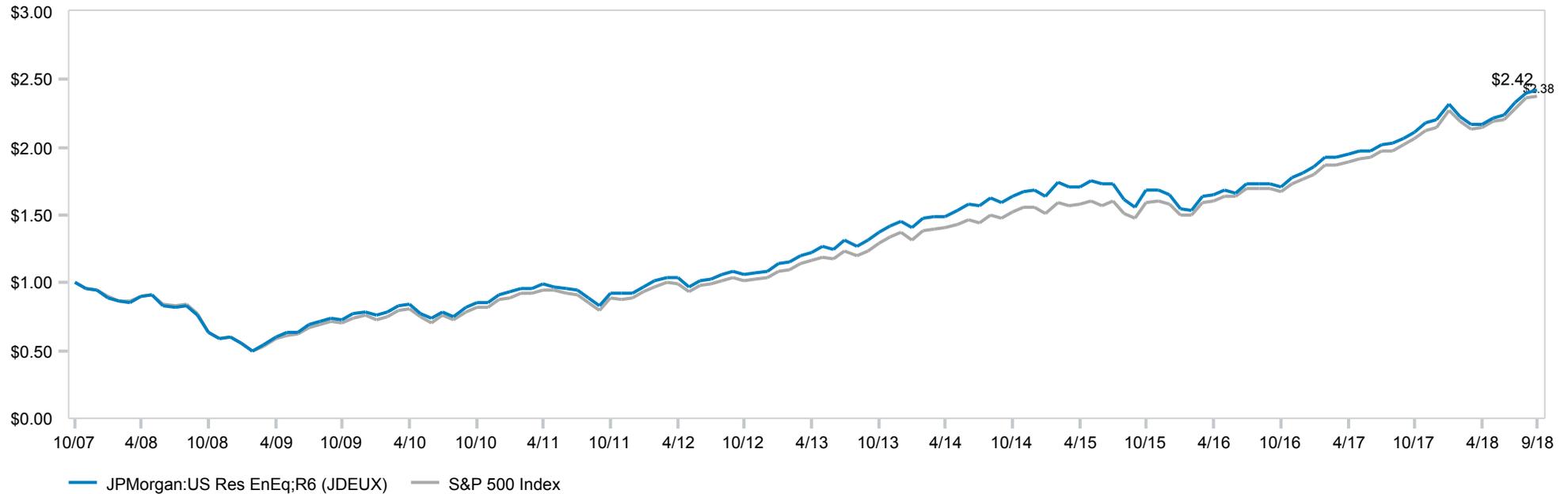
Historical Statistics: October 1, 2007 To September 30, 2018

	Consistency	Maximum Drawdown	Alpha	Active Return	Sharpe Ratio	Information Ratio	Treynor Ratio	Beta	Tracking Error
Parnassus:Core Eqty;Inst (PRILX)	50.00	-31.14	3.00	1.42	0.74	0.29	0.12	0.83	4.86
S&P 500 Index	0.00	-45.80	0.00	0.00	0.56	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)



## Growth of a Dollar



## Trailing Returns

	QTR	YTD	1 YR	2 YR	3 YR	5 YR	7 YR	10 YR	15 YR
JPMorgan:US Res EnEq;R6 (JDEUX)	7.93 (23)	9.77 (38)	16.97 (38)	18.14 (28)	15.72 (44)	13.02 (30)	16.52 (26)	12.23 (13)	9.82 (17)
S&P 500 Index	7.71 (30)	10.56 (24)	17.91 (26)	18.26 (26)	17.31 (14)	13.95 (12)	16.91 (17)	11.97 (18)	9.65 (22)
Median	7.24	8.78	15.84	16.84	15.42	12.25	15.63	10.90	8.85

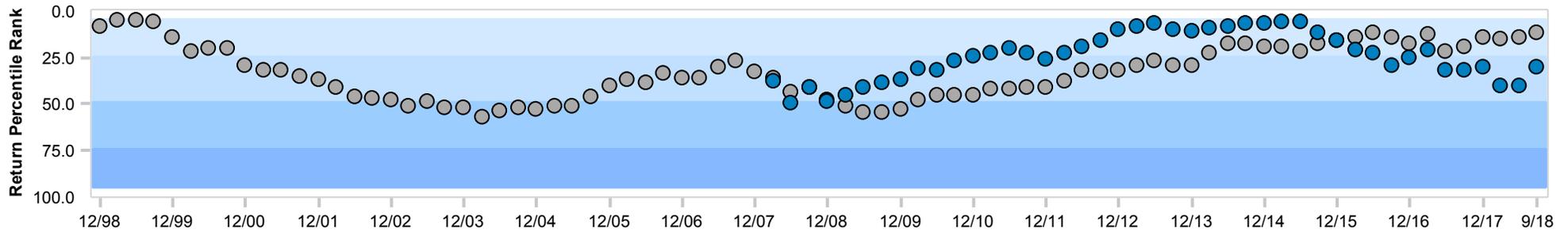
## Fiscal Year Returns

	FYTD	FY 2017	FY 2016	FY 2015	FY 2014	FY 2013	FY 2012	FY 2011	FY 2010
JPMorgan:US Res EnEq;R6 (JDEUX)	16.97 (38)	19.31 (31)	11.02 (76)	-2.26 (60)	21.77 (3)	21.14 (31)	30.56 (20)	0.91 (26)	10.92 (15)
S&P 500 Index	17.91 (26)	18.61 (45)	15.43 (17)	-0.61 (28)	19.73 (17)	19.34 (61)	30.20 (24)	1.14 (23)	10.16 (24)
Median	15.84	18.34	13.07	-1.65	17.37	20.00	28.01	-1.19	8.30

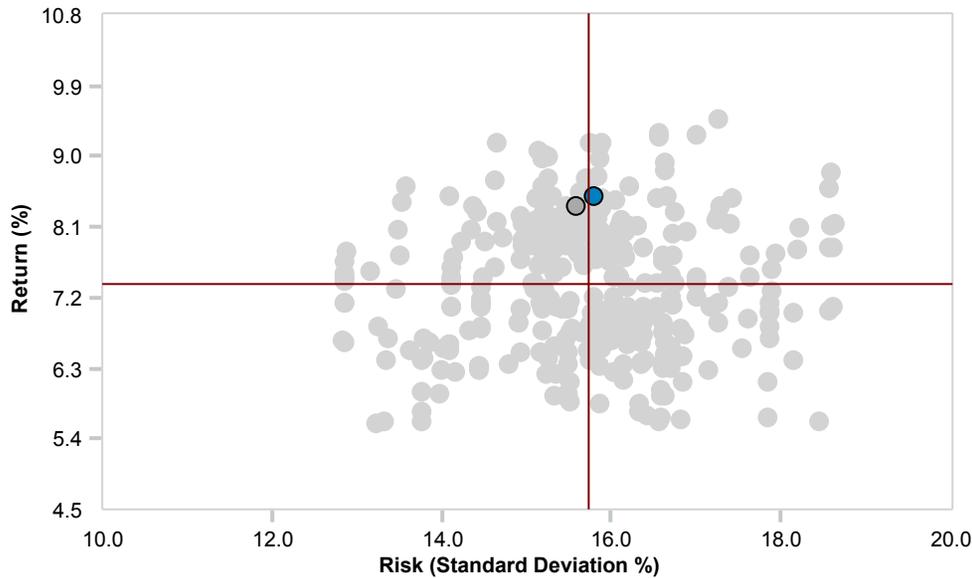
Long-term composite performance. Actual client results may vary.  
 October 2007 represents the beginning of the current market cycle.  
 Peer Group: IM U.S. Large Cap Core Equity (MF)



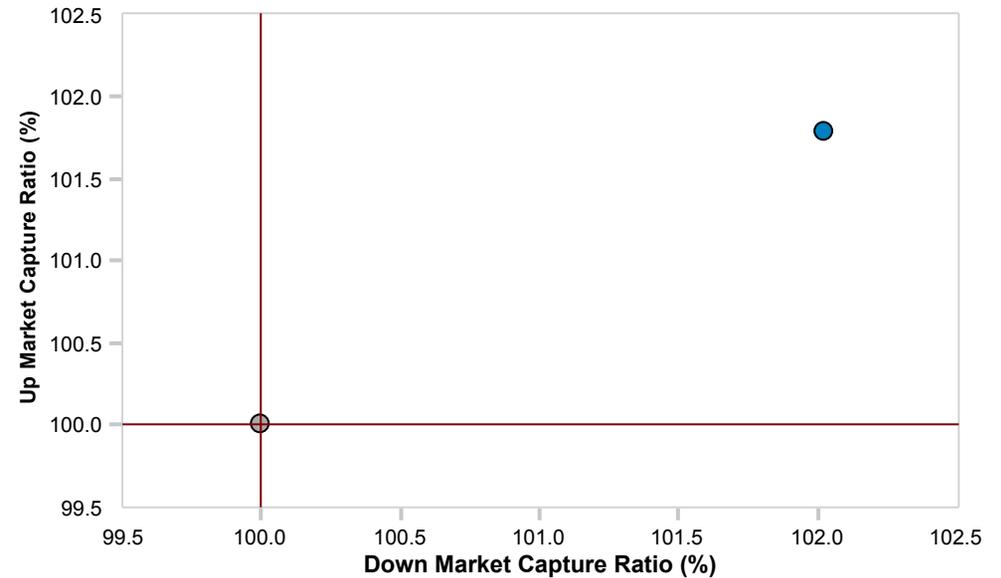
5 Year Rolling Percentile Ranking



Risk vs Return: October 2007 to Present



Up/Down Markets: October 2007 to Present



- JPMorgan:US Res EnEq;R6 (JDEUX)
- S&P 500 Index

- JPMorgan:US Res EnEq;R6 (JDEUX)
- S&P 500 Index

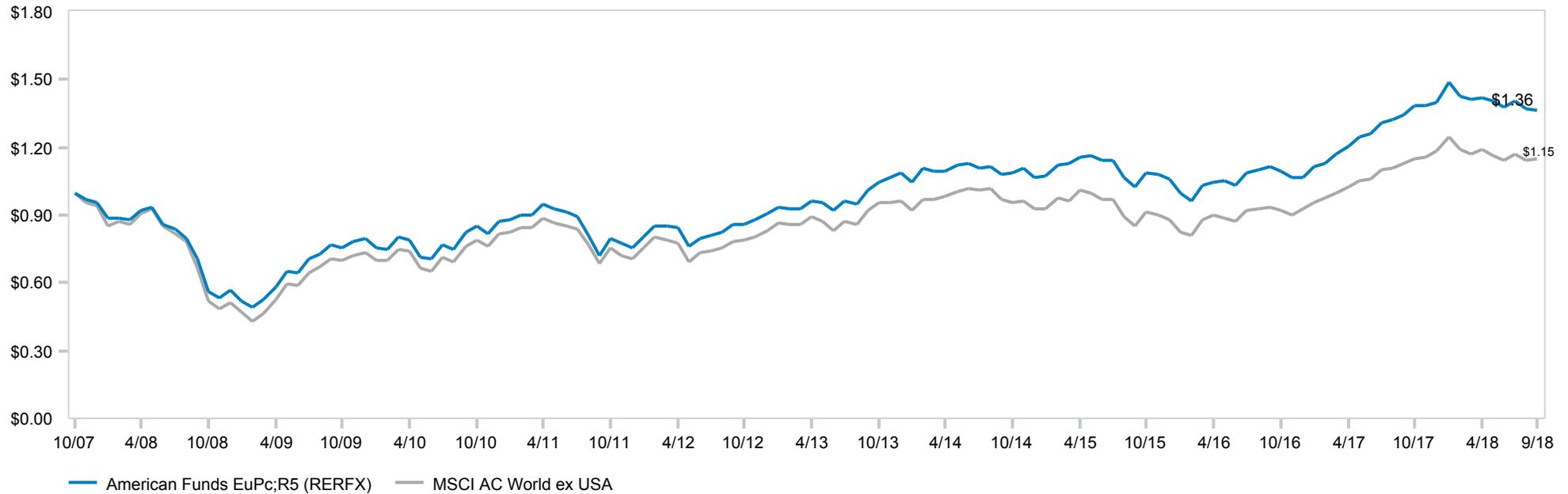
Historical Statistics: October 1, 2007 To September 30, 2018

	Consistency	Maximum Drawdown	Alpha	Active Return	Sharpe Ratio	Information Ratio	Treynor Ratio	Beta	Tracking Error
JPMorgan:US Res EnEq;R6 (JDEUX)	61.36	-44.76	0.07	0.15	0.56	0.09	0.09	1.01	1.67
S&P 500 Index	0.00	-45.80	0.00	0.00	0.56	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)



**Growth of a Dollar**



**Trailing Returns**

	QTR	YTD	1 YR	2 YR	3 YR	5 YR	7 YR	10 YR	15 YR
American Funds EuPc;R5 (RERFX)	-0.86 (98)	-2.68 (52)	1.44 (46)	10.58 (29)	9.88 (6)	6.15 (1)	9.49 (2)	6.81 (11)	8.62 (5)
MSCI AC World ex USA	0.80 (32)	-2.67 (51)	2.25 (20)	10.84 (27)	10.49 (2)	4.60 (15)	7.74 (61)	5.67 (38)	7.67 (17)
Median	0.52	-2.63	1.34	9.65	8.17	3.55	8.07	4.83	6.77

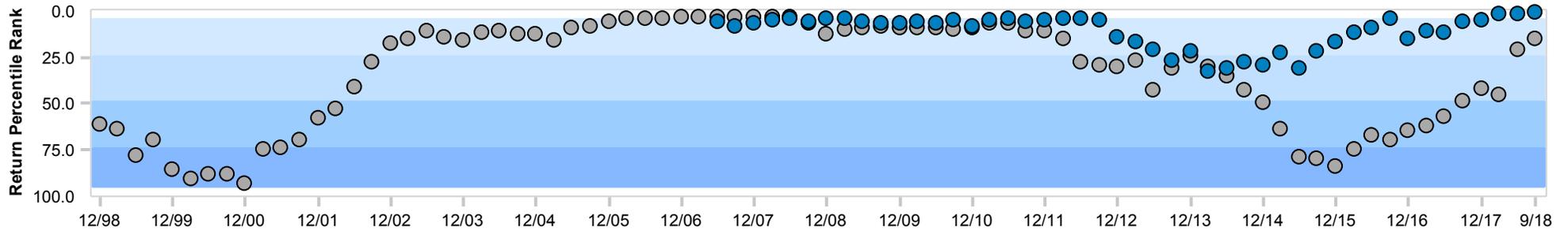
**Fiscal Year Returns**

	FYTD	FY 2017	FY 2016	FY 2015	FY 2014	FY 2013	FY 2012	FY 2011	FY 2010
American Funds EuPc;R5 (RERFX)	1.44 (46)	20.56 (21)	8.47 (6)	-4.97 (8)	6.93 (12)	18.22 (73)	18.39 (13)	-12.38 (75)	7.35 (11)
MSCI AC World ex USA	2.25 (20)	20.15 (22)	9.80 (4)	-11.78 (78)	5.22 (32)	16.98 (75)	15.04 (47)	-10.42 (29)	8.00 (5)
Median	1.34	18.41	5.55	-7.83	4.19	21.59	14.76	-11.30	3.37

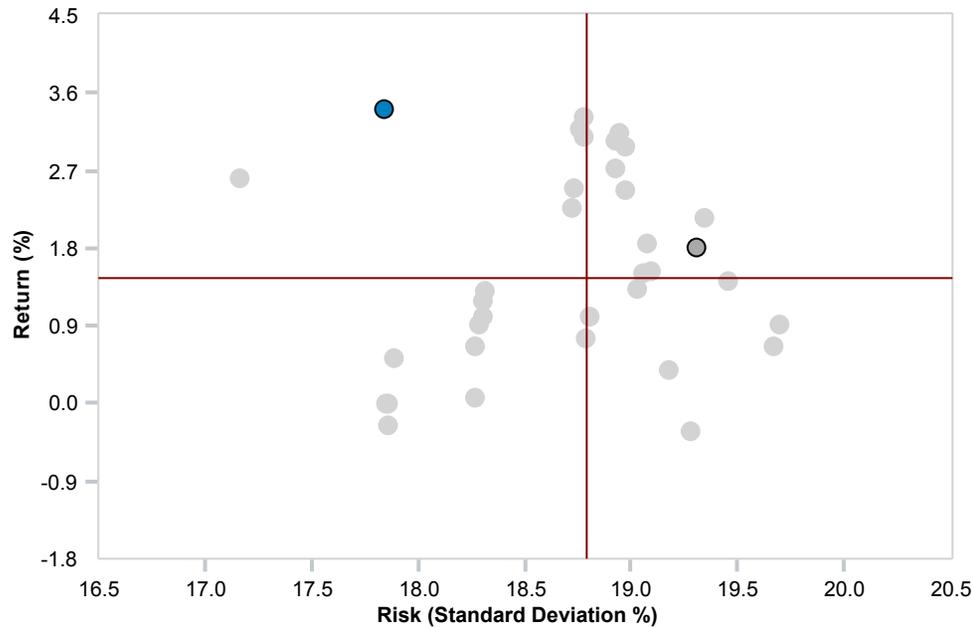
Long-term composite performance. Actual client results may vary.  
 October 2007 represents the beginning of the current market cycle.  
 Peer Group: IM International Large Cap Core Equity (IMF)



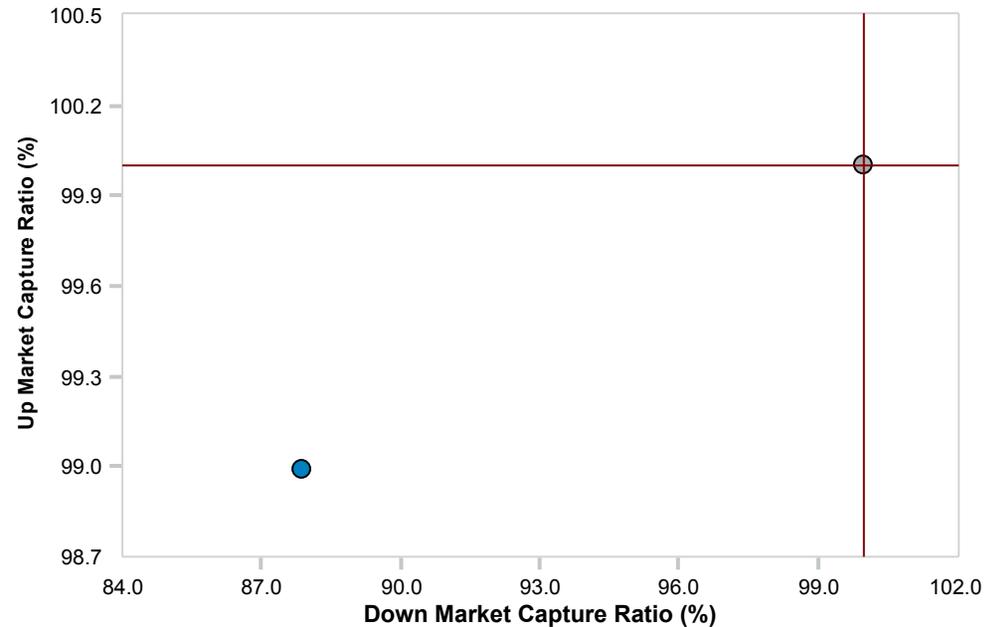
5 Year Rolling Percentile Ranking



Risk vs Return: October 2007 to Present



Up/Down Markets: October 2007 to Present



● American Funds EuPc;R5 (RERFX) ● MSCI AC World ex USA

● American Funds EuPc;R5 (RERFX) ● MSCI AC World ex USA

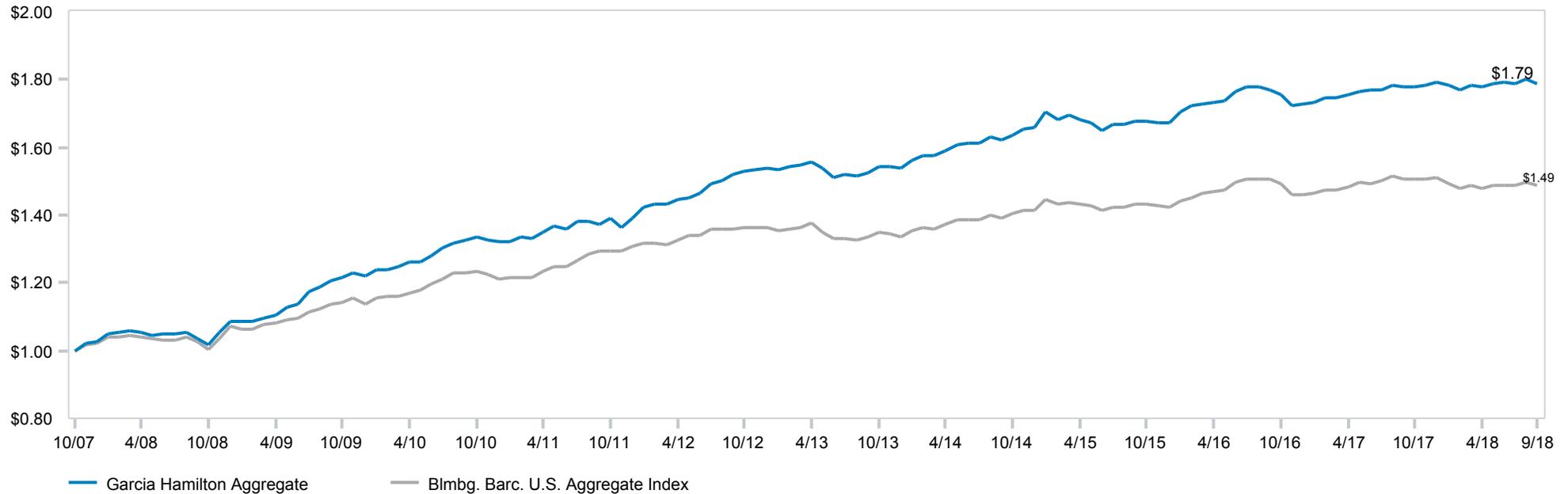
Historical Statistics: October 1, 2007 To September 30, 2018

	Consistency	Maximum Drawdown	Alpha	Active Return	Sharpe Ratio	Information Ratio	Treynor Ratio	Beta	Tracking Error
American Funds EuPc;R5 (RERFX)	59.09	-45.07	1.65	1.31	0.25	0.37	0.05	0.91	3.51
MSCI AC World ex USA	0.00	-51.36	0.00	0.00	0.16	N/A	0.03	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 International Large Cap Core Equity (IMF)



**Growth of a Dollar**



**Trailing Returns**

	QTR	YTD	1 YR	2 YR	3 YR	5 YR	7 YR	10 YR	15 YR
Garcia Hamilton Aggregate	-0.09 (94)	-0.18 (12)	0.73 (9)	0.52 (41)	2.17 (48)	3.28 (24)	3.89 (18)	5.65 (24)	5.24 (14)
Blmbg. Barc. U.S. Aggregate Index	0.02 (90)	-1.60 (87)	-1.22 (92)	-0.57 (95)	1.31 (94)	2.16 (93)	2.02 (97)	3.77 (95)	3.78 (93)
Median	0.28	-1.16	-0.58	0.28	2.11	2.78	2.97	4.95	4.45

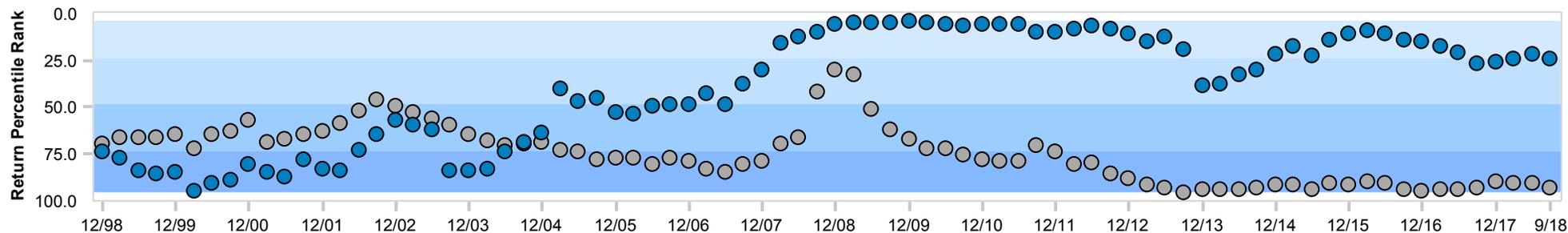
**Fiscal Year Returns**

	FYTD	FY 2017	FY 2016	FY 2015	FY 2014	FY 2013	FY 2012	FY 2011	FY 2010
Garcia Hamilton Aggregate	0.73 (9)	0.31 (82)	5.57 (70)	3.62 (8)	6.35 (18)	0.28 (22)	10.81 (14)	3.35 (92)	10.07 (46)
Blmbg. Barc. U.S. Aggregate Index	-1.22 (92)	0.07 (92)	5.19 (85)	2.94 (42)	3.96 (86)	-1.68 (84)	5.16 (94)	5.26 (46)	8.16 (92)
Median	-0.58	1.05	5.95	2.81	4.94	-0.84	7.51	5.18	9.92

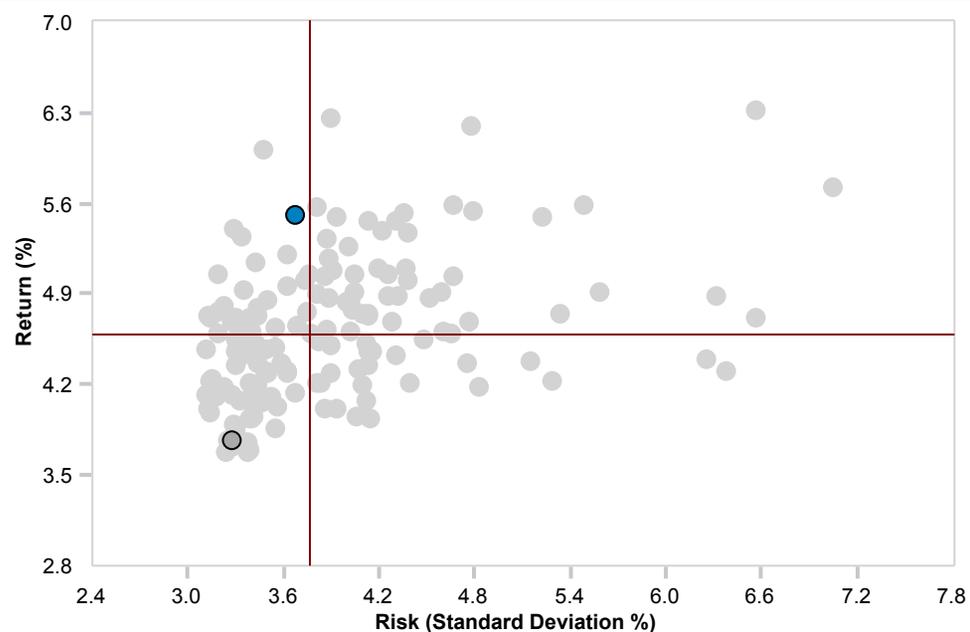
Long-term composite performance. Actual client results may vary.  
October 2007 represents the beginning of the current market cycle.  
Peer Group: IM U.S. Broad Market Fixed Income (SA+CF)



5 Year Rolling Percentile Ranking

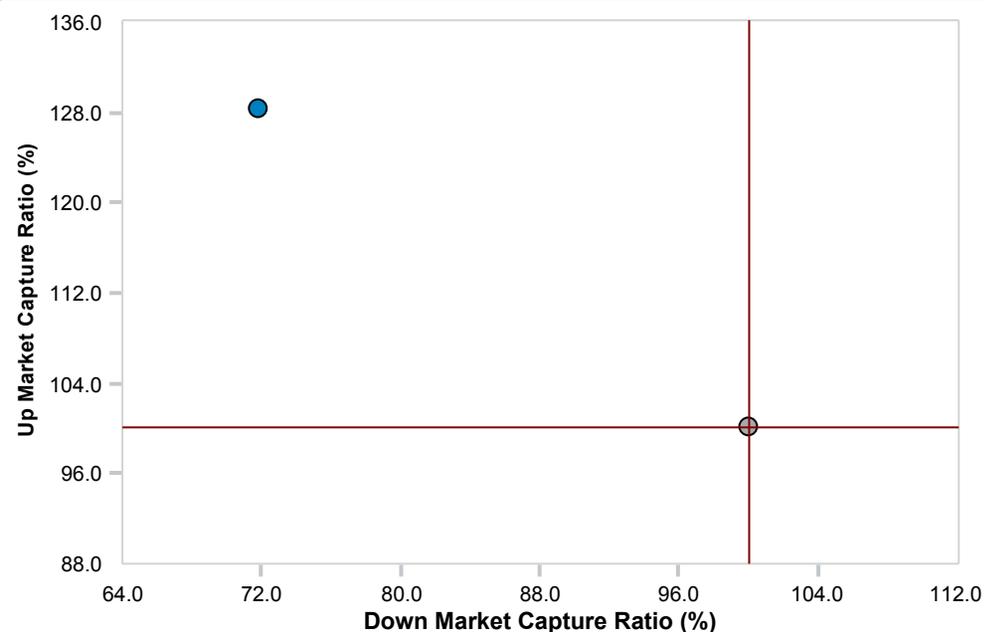


Risk vs Return: October 2007 to Present



● Garcia Hamilton Aggregate    ● Blmbg. Barc. U.S. Aggregate Index

Up/Down Markets: October 2007 to Present



● Garcia Hamilton Aggregate    ● Blmbg. Barc. U.S. Aggregate Index

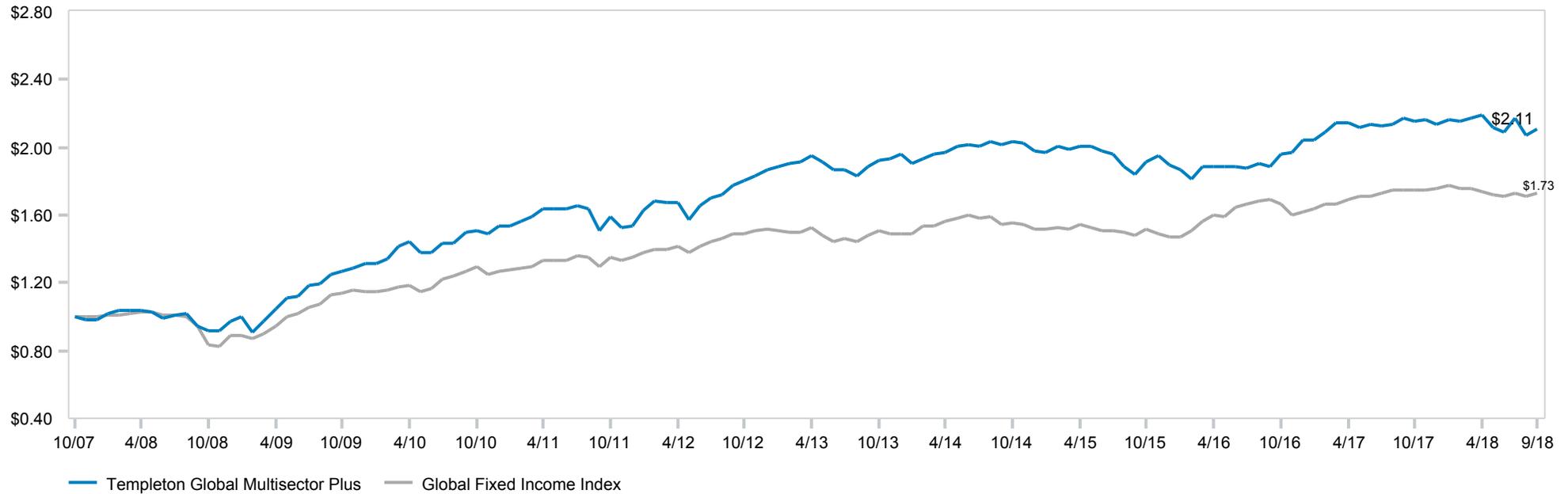
Historical Statistics: October 1, 2007 To September 30, 2018

	Consistency	Maximum Drawdown	Alpha	Active Return	Sharpe Ratio	Information Ratio	Treynor Ratio	Beta	Tracking Error
Garcia Hamilton Aggregate	75.00	-2.71	1.78	1.69	1.33	0.95	0.05	0.98	1.78
Blmbg. Barc. U.S. Aggregate Index	0.00	-2.98	0.00	0.00	0.98	N/A	0.03	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. Broad Market Fixed Income (SA+CF)



**Growth of a Dollar**



**Trailing Returns**

	QTR	YTD	1 YR	2 YR	3 YR	5 YR	7 YR	10 YR	15 YR
Templeton Global Multisector Plus	0.83 (29)	-1.36 (42)	-2.73 (89)	5.89 (2)	4.60 (21)	2.26 (46)	4.94 (14)	8.35 (1)	8.63 (1)
Global Fixed Income Index	0.67 (34)	-1.75 (46)	-1.21 (55)	0.91 (53)	5.17 (6)	3.19 (24)	4.14 (20)	6.23 (7)	6.17 (16)
Median	-0.09	-1.78	-1.02	1.30	3.62	2.03	2.73	4.09	4.46

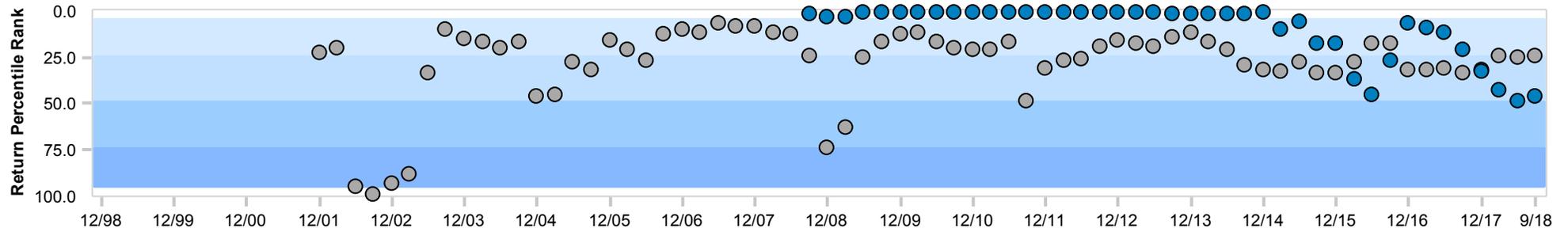
**Fiscal Year Returns**

	FYTD	FY 2017	FY 2016	FY 2015	FY 2014	FY 2013	FY 2012	FY 2011	FY 2010
Templeton Global Multisector Plus	-2.73 (89)	15.27 (1)	2.07 (96)	-8.32 (97)	6.56 (22)	6.45 (7)	17.76 (2)	0.26 (85)	20.22 (1)
Global Fixed Income Index	-1.21 (55)	3.07 (51)	14.24 (2)	-3.96 (68)	4.70 (42)	-0.84 (56)	14.55 (7)	2.12 (66)	13.03 (21)
Median	-1.02	3.25	8.37	-3.04	4.08	-0.40	8.33	3.17	8.93

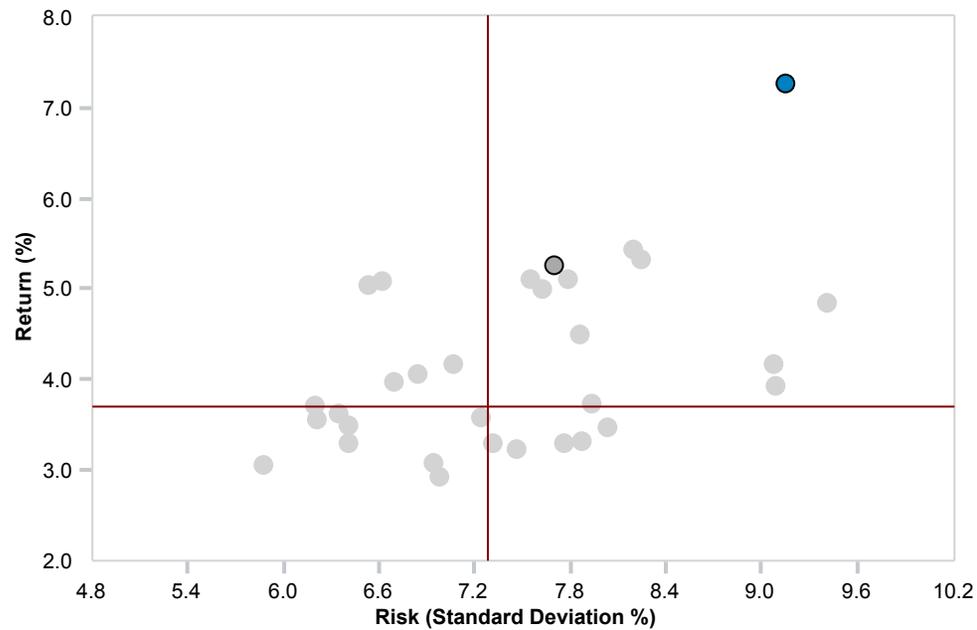
Long-term composite performance. Actual client results may vary.  
 October 2007 represents the beginning of the current market cycle.  
 Peer Group: IM Global Unhedged Fixed Income (SA+CF)



5 Year Rolling Percentile Ranking

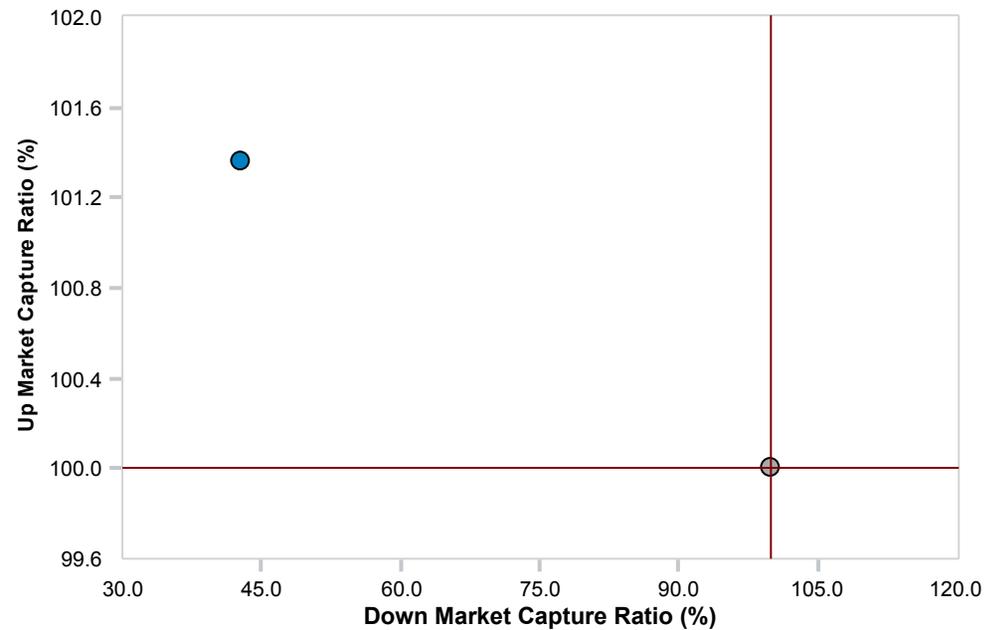


Risk vs Return: October 2007 to Present



● Templeton Global Multisector Plus    ● Global Fixed Income Index

Up/Down Markets: October 2007 to Present



● Templeton Global Multisector Plus    ● Global Fixed Income Index

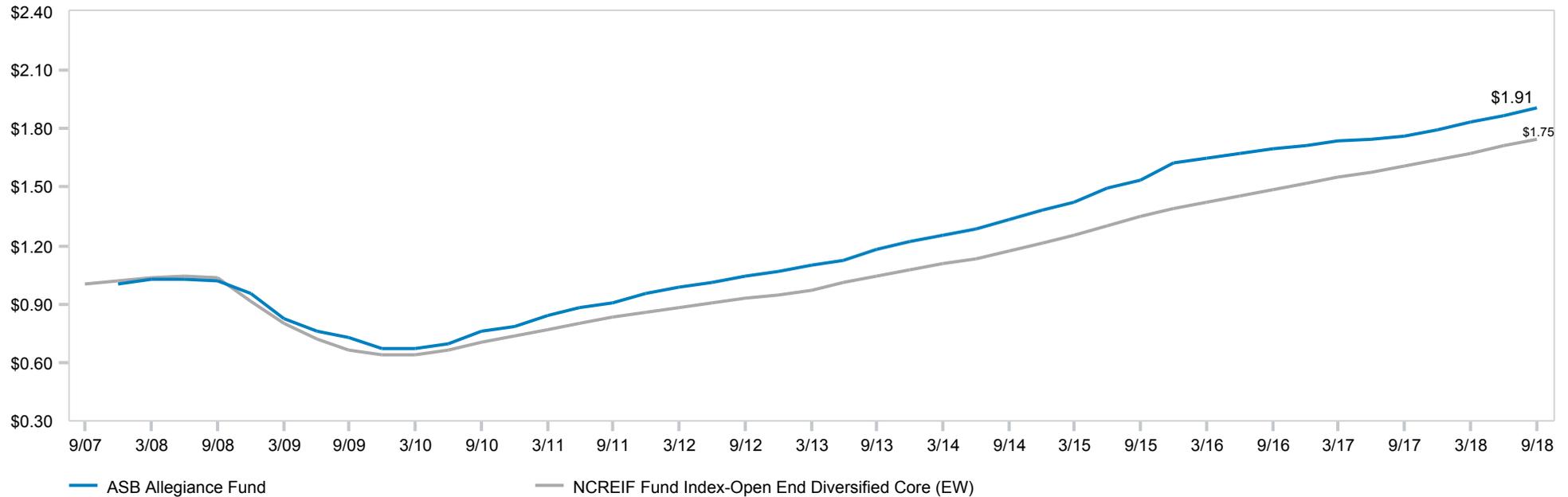
Historical Statistics: October 1, 2007 To September 30, 2018

	Consistency	Maximum Drawdown	Alpha	Active Return	Sharpe Ratio	Information Ratio	Treynor Ratio	Beta	Tracking Error
Templeton Global Multisector Plus	54.55	-8.96	3.35	2.03	0.75	0.28	0.09	0.77	7.24
Global Fixed Income Index	0.00	-12.97	0.00	0.00	0.63	N/A	0.05	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 Global Unhedged Fixed Income (SA+CF)



**Growth of a Dollar**



**Trailing Returns**

	QTR	YTD	1 YR	2 YR	3 YR	5 YR	7 YR	10 YR	15 YR
ASB Allegiance Fund	1.96 (N/A)	6.07 (N/A)	8.26 (N/A)	5.91 (N/A)	7.46 (N/A)	10.02 (N/A)	11.23 (N/A)	6.45 (N/A)	9.11 (N/A)
NCREIF Fund Index-Open End Diversified Core (EW)	2.08 (N/A)	6.52 (N/A)	8.82 (N/A)	8.31 (N/A)	9.08 (N/A)	10.84 (N/A)	11.21 (N/A)	5.35 (N/A)	8.04 (N/A)
Median	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

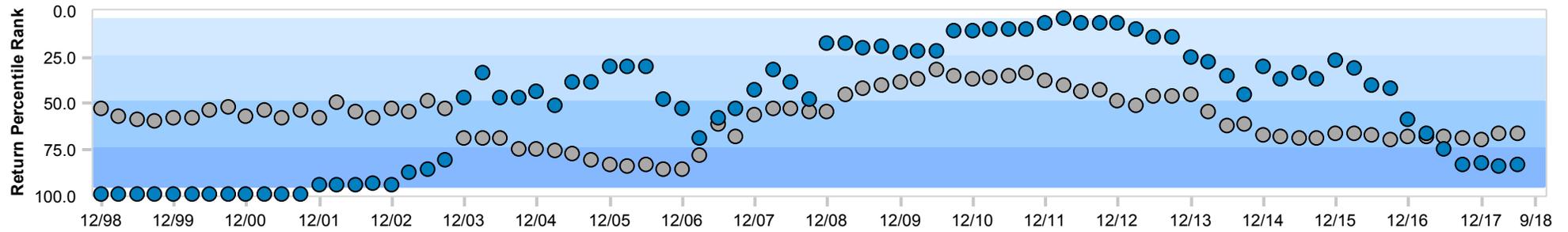
**Fiscal Year Returns**

	FYTD	FY 2017	FY 2016	FY 2015	FY 2014	FY 2013	FY 2012	FY 2011	FY 2010
ASB Allegiance Fund	8.26 (N/A)	3.61 (100)	10.65 (68)	15.06 (60)	12.90 (49)	13.22 (49)	15.43 (28)	18.56 (41)	5.22 (68)
NCREIF Fund Index-Open End Diversified Core (EW)	8.82 (N/A)	7.81 (60)	10.62 (69)	14.71 (62)	12.39 (68)	12.47 (67)	11.77 (66)	18.03 (44)	6.14 (55)
Median	N/A	8.29	11.32	15.45	12.78	13.18	12.90	16.96	6.43

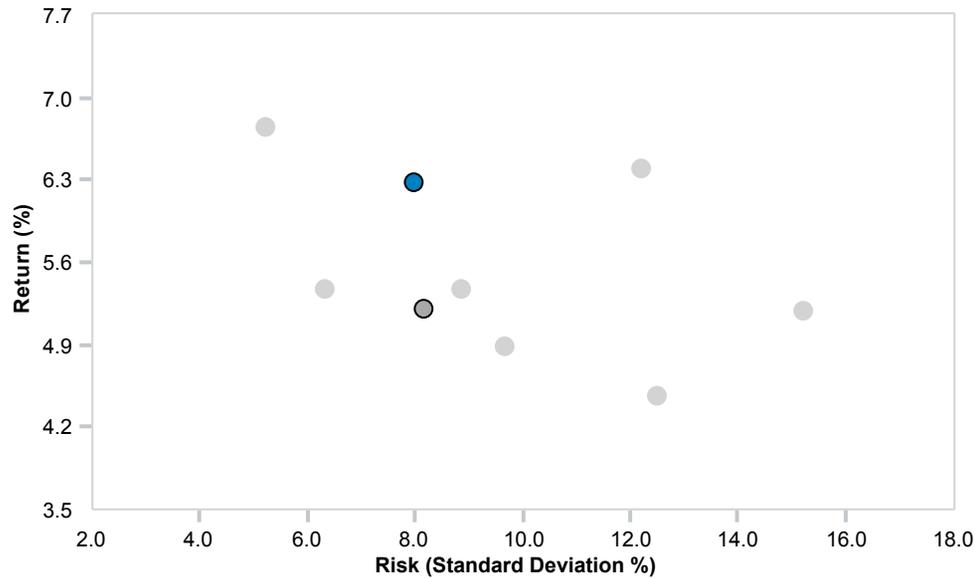
Long-term composite performance. Actual client results may vary. October 2007 represents the beginning of the current market cycle. Peer Group: IM U.S. Open End Private Real Estate (SA+CF)



5 Year Rolling Percentile Ranking

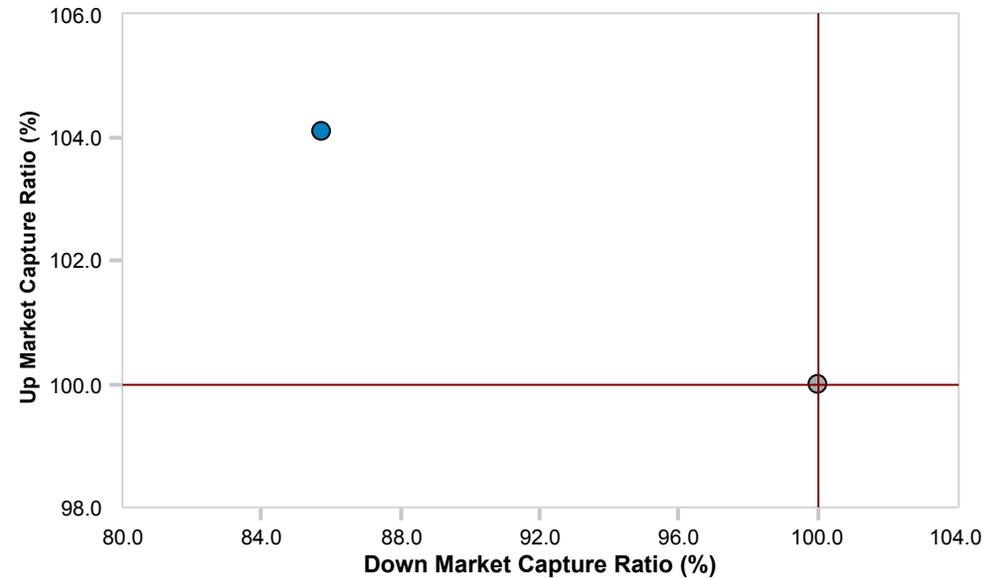


Risk vs Return: October 2007 to Present



- ASB Allegiance Fund
- NCREIF Fund Index-Open End Diversified Core (EW)

Up/Down Markets: October 2007 to Present



- ASB Allegiance Fund
- NCREIF Fund Index-Open End Diversified Core (EW)

Historical Statistics: October 1, 2007 To September 30, 2018

	Consistency	Maximum Drawdown	Alpha	Active Return	Sharpe Ratio	Information Ratio	Treynor Ratio	Beta	Tracking Error
ASB Allegiance Fund	40.91	-34.71	1.53	1.01	0.74	0.32	0.07	0.91	3.11
NCREIF Fund Index-Open End Diversified Core (EW)	0.00	-39.11	0.00	0.00	0.60	N/A	0.05	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)



<b>Total Fund Compliance:</b>											Yes	No	N/A			
1. The Total Plan return equaled or exceeded the Net 7.5% actuarial earnings assumption over the trailing three year period.											✓					
2. The Total Plan return equaled or exceeded the Net 7.5% actuarial earnings assumption over the trailing five year period.											✓					
3. The Total Plan return equaled or exceeded the total plan benchmark over the trailing three year period.												✓				
4. The Total Plan return equaled or exceeded the total plan benchmark over the trailing five year period.												✓				
5. 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.												✓				
<b>Equity Compliance:</b>											Yes	No	N/A			
1. Total Domestic Equity return equaled or exceeded the benchmark over the trailing three year period.												✓				
2. Total Domestic Equity return equaled or exceeded the benchmark over the trailing five year period.												✓				
3. Total International Equity return equaled or exceeded the benchmark over the trailing three year period.												✓				
4. Total International Equity return equaled or exceeded the benchmark over the trailing five year period.											✓					
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.											✓					
<b>Fixed Income Compliance:</b>											Yes	No	N/A			
1. Total Domestic Fixed Income return equaled or exceeded the benchmark over the trailing three year period.											✓					
2. Total Domestic Fixed Income return equaled or exceeded the benchmark over the trailing five year period.											✓					
3. Total Global Fixed Income return equaled or exceeded the benchmark over the trailing three year period.												✓				
4. 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.											✓					
<b>Manager Compliance:</b>				JP Morgan (JDEUX)			Parnassus (PRILX)			Vanguard (VIMAX)			Vanguard (VITSX)			
				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.						✓			✓			✓		✓		
3. Manager has had less than 4 consecutive quarters of underperformance.				✓			✓			✓			✓			
4. 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.						✓				✓			✓			
8. Manager reports compliance with PFIA						✓				✓			✓			✓
<b>Manager Compliance:</b>				Europacific (RERGX)			Garcia Hamilton			Templeton (FTTRX)			ASB Real Estate			
				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.				✓					✓			✓			✓	
3. Manager has had less than 4 consecutive quarters of underperformance.				✓			✓			✓				✓		
4. 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.				✓				✓			✓			✓		
8. Manager reports compliance with PFIA						✓	✓				✓			✓		



<b>Total Fund Policy</b>	
<b>Allocation Mandate</b>	<b>Weight (%)</b>
<b>Jul-2003</b>	
S&P 500 Index	60.00
Bloomberg Barclays Intermed Aggregate Index	40.00
<b>Jul-2007</b>	
S&P 500 Index	50.00
Bloomberg Barclays Intermed Aggregate Index	40.00
MSCI EAFE Index	10.00
<b>Jul-2010</b>	
Russell 3000 Index	50.00
Bloomberg Barclays Intermed Aggregate Index	35.00
MSCI AC World ex USA	15.00
<b>Oct-2013</b>	
Russell 3000 Index	50.00
Blmbg. Barc. U.S. Aggregate Index	30.00
MSCI AC World ex USA	15.00
Global Fixed Income Index	5.00
<b>Jan-2016</b>	
Russell 3000 Index	50.00
Blmbg. Barc. 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

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

<b>Total Fixed Income Policy</b>	
<b>Allocation Mandate</b>	<b>Weight (%)</b>
<b>Jul-2003</b>	
Bloomberg Barclays Intermed Aggregate Index	100.00
<b>Oct-2013</b>	
Blmbg. Barc. U.S. Aggregate Index	86.00
Global Fixed Income Index	14.00
<b>Oct-2014</b>	
Blmbg. Barc. U.S. Aggregate Index	80.00
Global Fixed Income Index	20.00



<b>Total Domestic Equity Policy</b>	
<b>Allocation Mandate</b>	<b>Weight (%)</b>
<b>Jul-2003</b>	
S&P 500 Index	100.00
<b>Aug-2007</b>	
S&P 500 Index	100.00
<b>Jul-2010</b>	
Russell 3000 Index	100.00

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

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

<b>Total Diversified Fixed Income Policy</b>	
<b>Allocation Mandate</b>	<b>Weight (%)</b>
<b>Jan-1994</b>	
JPM EMBI+	33.33
Blmbg. Barc. U.S. Corp High Yield	33.33
FTSE Non-U.S. World Government Bond	33.34



- 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.

<b>Active Return</b>	- Arithmetic difference between the manager's performance and the designated benchmark return over a specified time period.
<b>Alpha</b>	- 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.
<b>Beta</b>	- A measure of the sensitivity of a portfolio to the movements in the market. It is a measure of the portfolio's systematic risk.
<b>Consistency</b>	- 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.
<b>Distributed to Paid In (DPI)</b>	- 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.
<b>Down Market Capture</b>	- The ratio of average portfolio performance over the designated benchmark during periods of negative returns. A lower value indicates better product performance
<b>Downside Risk</b>	- 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.
<b>Excess Return</b>	- Arithmetic difference between the manager's performance and the risk-free return over a specified time period.
<b>Excess Risk</b>	- A measure of the standard deviation of a portfolio's performance relative to the risk free return.
<b>Information Ratio</b>	- 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.
<b>Public Market Equivalent (PME)</b>	- 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.
<b>R-Squared</b>	- 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.
<b>Return</b>	- Compounded rate of return for the period.
<b>Sharpe Ratio</b>	- 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.
<b>Standard Deviation</b>	- 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.
<b>Total Value to Paid In (TVPI)</b>	- 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
<b>Tracking Error</b>	- This is a measure of the standard deviation of a portfolio's returns in relation to the performance of its designated market benchmark.
<b>Treynor Ratio</b>	- 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.
<b>Up Market Capture</b>	- 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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