

Investment Performance Review  
Period Ending September 30, 2019

## **City of Key West General Employees' Pension Fund**

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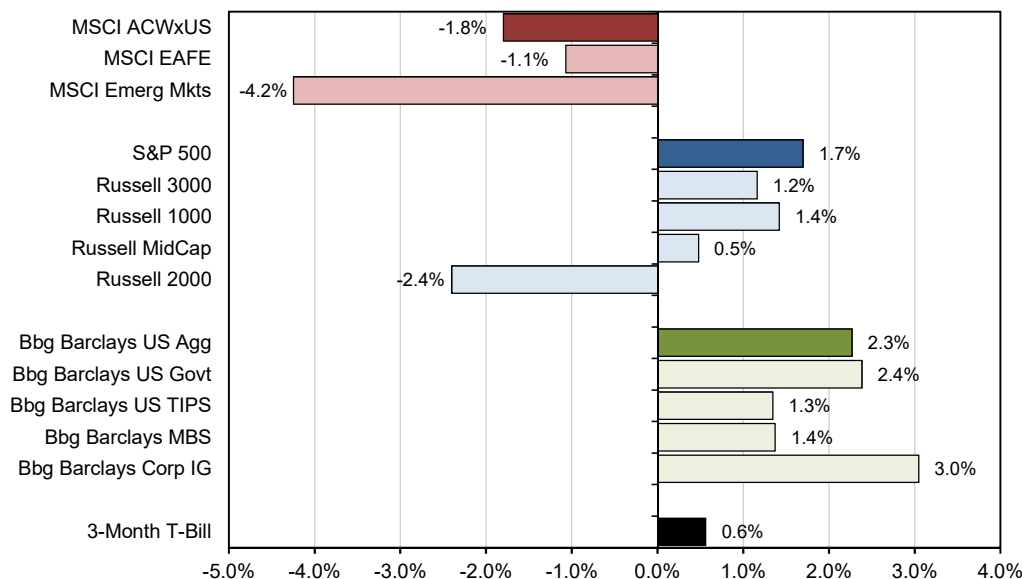


## **3rd Quarter 2019 Market Environment**

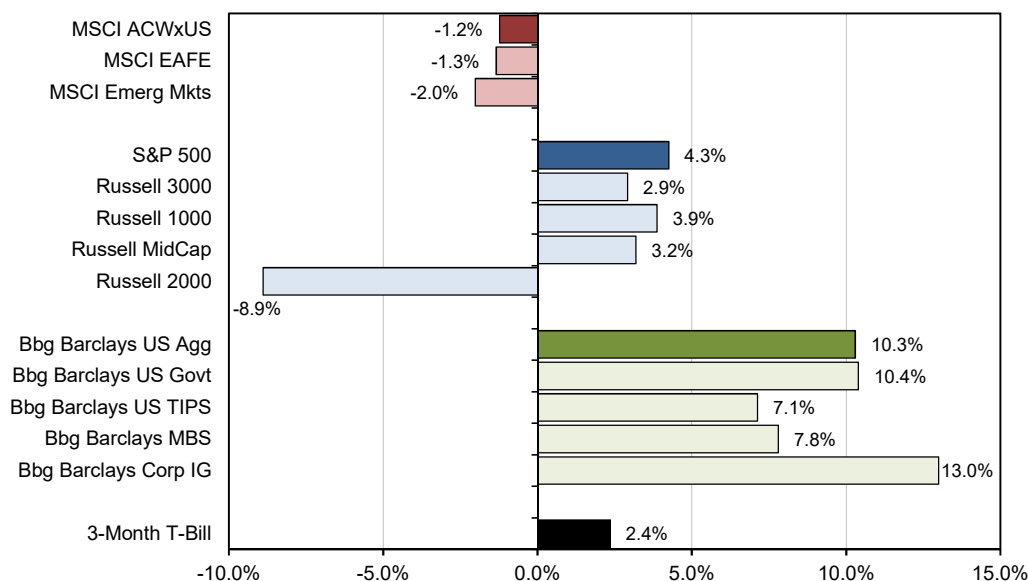


- Broad asset class returns were mixed during the 3rd quarter of 2019 with both US large cap equity and fixed income indices extending their year-to-date gains while US small cap and international indices declined. Volatility was high during the period as investors weighed the effects of ongoing trade disruption and slowing global economic data against the announcement of several new central bank stimulus measures. US stocks continued their year-to-date outperformance relative to international stocks during the period. US markets faced headwinds from continued escalation in the ongoing trade dispute with China, slowing economic data, particularly with regards to manufacturing, and political uncertainty following a late quarter impeachment inquiry against President Donald Trump. However, markets were supported by easing monetary policy from the Federal Reserve (Fed) which cut interest rates twice during the period. In general, lower risk assets performed better through the period as investors weighed the increased risk of a recession. Within domestic equity markets, large cap stocks outperformed small cap equities during the quarter with the S&P 500 Index returning 1.7% versus a -2.4% return on the small cap Russell 2000 Index. US equity returns over the 1-year period were positive for large and mid-cap stocks, returning 4.3% and 3.2% respectively, but small cap stocks posted a loss, falling -8.9%.
- International markets posted negative returns for the 3rd quarter. Similar to US markets, international returns were impacted by continued weakness in economic data, heightened geopolitical uncertainty around global trade and Brexit and newly announced stimulus measures from global central banks including the European Central Bank (ECB) and Peoples Bank of China (PBoC). International returns also faced headwinds from a strengthening US dollar (USD) which appreciated against most major currencies during the period. Developed markets continued their outperformance relative to emerging markets during the period with the MSCI EAFE Index falling -1.1% versus a -4.2% decline for the MSCI Emerging Markets Index. Both developing and emerging markets posted slight losses over the 1-year period, returning -1.3% and -2.0% respectively.
- Fixed income returns outperformed equities during the 3rd quarter as investors looked for relative safety amid the equity market volatility. The broad market Bloomberg Barclays Aggregate Index gained 2.3% as interest rates fell following central bank stimulus from the Fed and other global central banks. The US Treasury Yield Curve also inverted in August, contributing to growing concern around the potential for an upcoming recession. Investment grade corporate issues were the best performing securities for the third quarter in a row, returning 3.0%, outperforming Treasury and securitized issues. Corporate issues benefitted from their relatively high duration and yield. The bond market has meaningfully outperformed the equity market over the trailing 1-year period with the Bloomberg Barclays Aggregate posting a solid 10.3% return.

### Quarter Performance

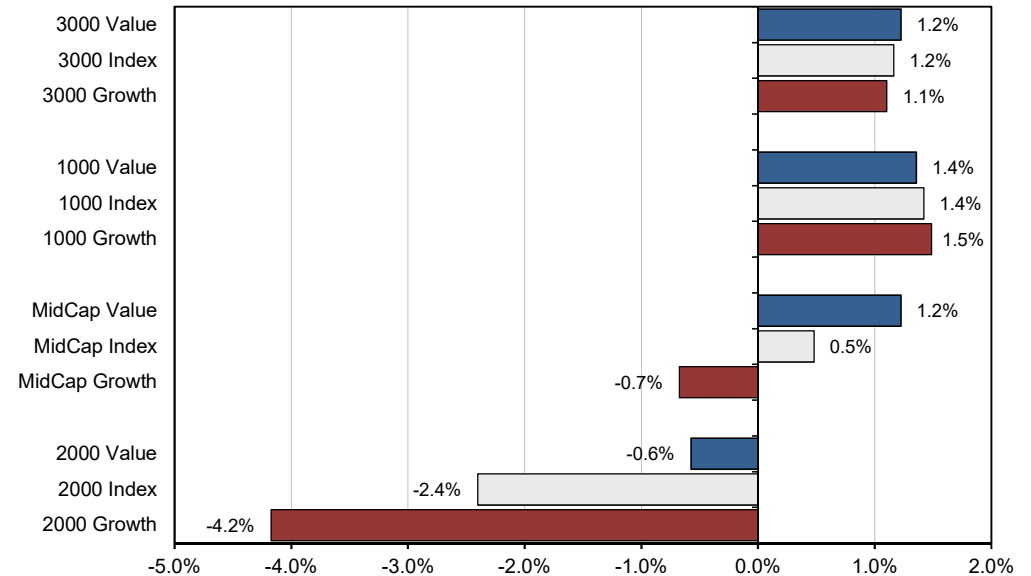


### 1-Year Performance

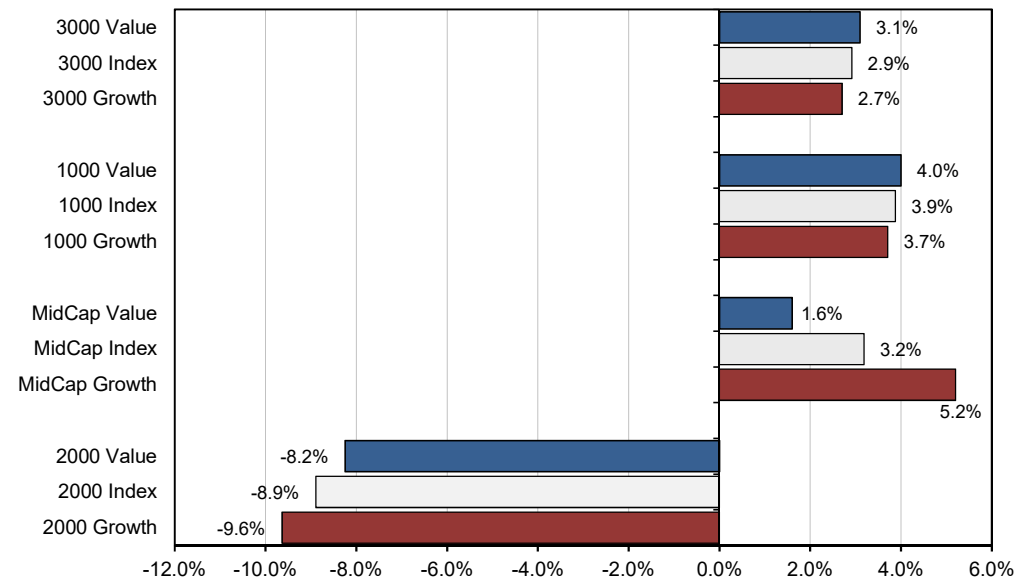


- US equity returns were modestly positive during the 3rd quarter, but results varied considerably across the style and capitalization spectrum. Data released during the quarter showed signs that the US economy could be slowing down. Weakening metrics around manufacturing and sentiment were particularly concerning and employment, typically a bright spot for the US economy, missed expectations for the pace of new jobs and hours worked. A likely contributor to the softening economic data is the ongoing trade war between the US and China. Despite last quarter's agreement to cease escalations following a meeting between President Trump and President Jinping at the G20 summit, the 3rd quarter saw the announcement and implementation of a series of new tariffs from both the US and China. Additionally, in response to new tariffs, the PBoC allowed the yuan to depreciate to its lowest level since 2008 leading US Treasury officials to accuse China of currency manipulation. Even with the apparent breakdown in relations between the two sides, both China and the US agreed to continue negotiations set to take place in October. Markets also reacted to the late quarter announcement of a formal impeachment inquiry against President Trump following a whistle blower report alleging that President Trump pressured the government of Ukraine to investigate the son of political opponent Joe Biden. Despite these substantial headwinds, the US equity market found support from Fed easing of monetary policy in the form of two separate interest rate cuts and ended the period with a gain. The Russell 3000 Index returned 1.2% and 2.9% for the quarter and 1-year period respectively.
- During the quarter, higher market cap stocks outperformed lower market cap stocks across the style spectrum. The large cap Russell 1000 Index gained 1.4% during the period versus a -2.4% return for the small cap Russell 2000 Index. Investors may have been attracted to large cap names as a result of the quarter's volatility as large cap stocks are typically viewed as less risky than their small cap counterparts. When viewed over the most recent 1-year period, large cap stocks significantly outperformed small cap stocks with the Russell 1000 posting a 3.9% gain while the Russell 2000 had considerable losses, declining -8.9%.
- In general, value stocks outperformed growth stocks during the 3rd quarter as investors gravitated toward the relative safety these securities typically provide. However, large cap growth stocks slightly outperformed large cap value stocks due to favorable holdings in the technology and industrials sectors as well as a large underweight to the underperforming energy sector. The Russell 1000 Growth Index was the best performing style index for the period, returning 1.5%, with the small cap growth index posting the lowest relative return, a loss of -4.2%. Results over the 1-year period are mixed with value stocks outperforming in large and small cap and growth stocks outperforming in mid-cap.

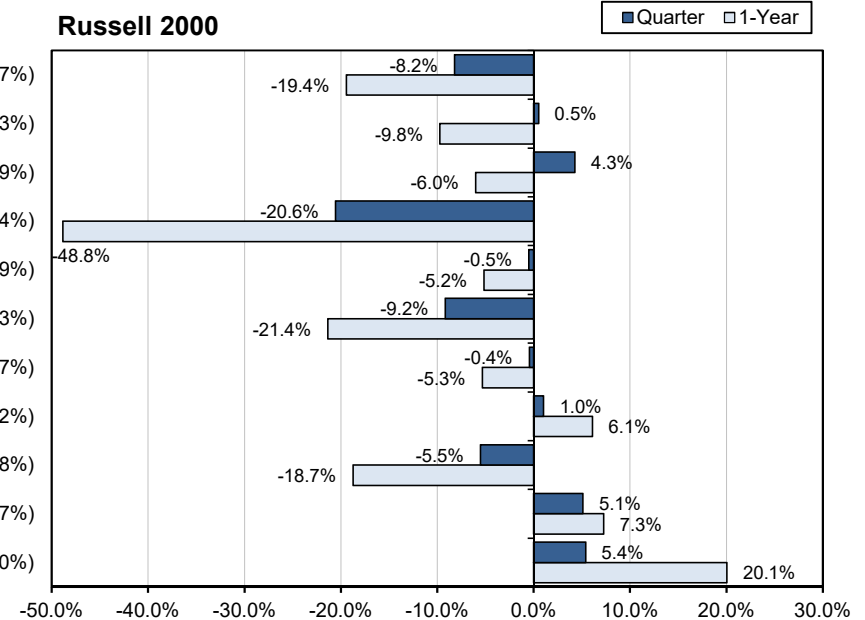
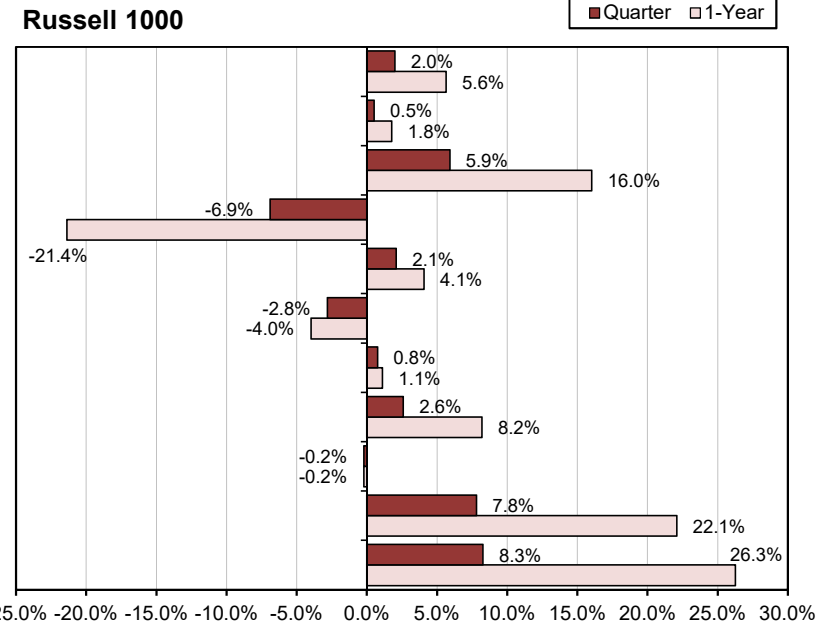
**Quarter Performance - Russell Style Series**



**1-Year Performance - Russell Style Series**



- Sector performance was mixed across large cap sectors for the 3rd quarter. There were gains for eight out of eleven sectors within the Russell 1000 Index during the period with six sectors outpacing the return of the index. Defensive sectors such as utilities, real estate and consumer staples were the best performers through the quarter returning 8.3%, 7.8% and 16.0% respectively as investors looked toward these sectors for their higher yields and lower historical volatility. Energy, health care and materials stocks were the worst performers during the period. Energy stocks fell -6.9% as crude oil prices fell during the period despite a sharp upward spike in September following a terrorist attack in Saudi Arabia that temporarily reduced the country's oil production, causing a large disruption in supply. Health care stocks also lagged, declining -2.8%, as discussions in Washington around the potential for increased regulation on drug pricing acted as a headwind. Health care reform has also been a major topic of discussion among candidates for the 2020 US Presidential election, creating additional uncertainty within the sector. Materials returned -0.2% as demand concerns weighed on the economically sensitive sector. Returns over the 1-year period were also generally positive with eight out of eleven sectors posting gains. Similar to the quarter's results, defensive sectors outperformed by a considerable margin. Utilities, real estate and consumer staples performed well returning 26.3%, 22.1% and 16.0% respectively. Technology returns were also strong gaining 8.2%. Energy, health care and materials were the only sectors to post negative results over the 1-year period with energy falling -21.4%, health care dropping -4.0% and materials returning -0.2%.
- Quarterly results for small cap sectors were worse than their large capitalization counterparts with all eleven sectors trailing their corresponding large cap equivalents. Five of eleven economic sectors produced gains during the period with seven of eleven sectors outpacing the Russell 2000 Index return for the quarter. Similar to large caps, defensive sectors performed well as investors gravitated toward their relative safety and higher yields. Utilities were the best performers, returning 5.4% followed closely by REITs and consumer staples which returned 5.1% and 4.3% respectively. The cyclically oriented energy sector was the largest detractor for the period, posting a loss of -20.6%. Health care and communication services stocks also experienced notable declines, falling -9.2% and -8.2% respectively. Over the trailing 1-year period, returns were broadly negative. Utilities, real estate and technology were the only sectors to post gains returning 20.1%, 7.3% and 6.1%. The energy sector was an outlier in terms of negative returns dropping -48.8% during the period. There were also notable losses in health care, communication services and materials which declined -21.4%, -19.4% and -18.7% respectively.



**The Market Environment**  
**Top 10 Index Weights & Quarterly Performance for the Russell 1000 & 2000**  
As of September 30, 2019

| Top 10 Weighted Stocks   |        |              |               |                        |
|--------------------------|--------|--------------|---------------|------------------------|
| Russell 1000             | Weight | 1-Qtr Return | 1-Year Return | Sector                 |
| Microsoft Corp           | 3.82%  | 4.1%         | 22.9%         | Information Technology |
| Apple Inc                | 3.68%  | 13.6%        | 0.8%          | Information Technology |
| Amazon.com Inc           | 2.61%  | -8.3%        | -13.3%        | Consumer Discretionary |
| Facebook Inc A           | 1.55%  | -7.7%        | 8.3%          | Communication Services |
| Berkshire Hathaway Inc B | 1.48%  | -2.4%        | -2.8%         | Financials             |
| JPMorgan Chase & Co      | 1.36%  | 6.0%         | 7.4%          | Financials             |
| Alphabet Inc Class C     | 1.35%  | 12.8%        | 2.1%          | Communication Services |
| Alphabet Inc A           | 1.33%  | 12.8%        | 1.2%          | Communication Services |
| Johnson & Johnson        | 1.25%  | -6.4%        | -3.8%         | Health Care            |
| Procter & Gamble Co      | 1.12%  | 14.2%        | 54.0%         | Consumer Staples       |

| Top 10 Performing Stocks (by Quarter) |        |              |               |                        |
|---------------------------------------|--------|--------------|---------------|------------------------|
| Russell 1000                          | Weight | 1-Qtr Return | 1-Year Return | Sector                 |
| Insulet Corp                          | 0.04%  | 38.2%        | 55.7%         | Health Care            |
| CyrusOne Inc                          | 0.03%  | 37.9%        | 28.8%         | Real Estate            |
| KLA Corp                              | 0.09%  | 35.7%        | 61.1%         | Information Technology |
| New York Community Bancorp Inc        | 0.02%  | 27.6%        | 28.7%         | Financials             |
| Entegris Inc                          | 0.02%  | 26.3%        | 63.9%         | Information Technology |
| Pilgrims Pride Corp                   | 0.01%  | 26.2%        | 77.1%         | Consumer Staples       |
| Western Digital Corp                  | 0.06%  | 25.4%        | 5.6%          | Information Technology |
| DocuSign Inc                          | 0.03%  | 24.6%        | 17.8%         | Information Technology |
| Target Corp                           | 0.19%  | 24.4%        | 24.3%         | Consumer Discretionary |
| XPO Logistics Inc                     | 0.02%  | 23.8%        | -37.3%        | Industrials            |

| Bottom 10 Performing Stocks (by Quarter) |        |              |               |                        |
|--|--------|--------------|---------------|------------------------|
| Russell 1000                             | Weight | 1-Qtr Return | 1-Year Return | Sector                 |
| 2U Inc                                   | 0.00%  | -56.7%       | -78.3%        | Information Technology |
| PG&E Corp                                | 0.02%  | -56.4%       | -78.3%        | Utilities              |
| Covetrus Inc                             | 0.00%  | -51.4%       | N/A           | Health Care            |
| Sarepta Therapeutics Inc                 | 0.02%  | -50.4%       | -53.4%        | Health Care            |
| Nektar Therapeutics Inc                  | 0.01%  | -48.8%       | -70.1%        | Health Care            |
| DXC Technology Co                        | 0.03%  | -46.2%       | -67.9%        | Information Technology |
| Antero Resources Corp                    | 0.00%  | -45.4%       | -82.9%        | Energy                 |
| Range Resources Corp                     | 0.00%  | -45.0%       | -77.3%        | Energy                 |
| Pluralsight Inc Class A                  | 0.00%  | -44.6%       | -47.5%        | Information Technology |
| Fluor Corp                               | 0.01%  | -42.5%       | -66.1%        | Industrials            |

| Top 10 Weighted Stocks             |        |              |               |                        |
|------------------------------------|--------|--------------|---------------|------------------------|
| Russell 2000                       | Weight | 1-Qtr Return | 1-Year Return | Sector                 |
| NovoCure Ltd                       | 0.34%  | 18.3%        | 42.7%         | Health Care            |
| Haemonetics Corp                   | 0.33%  | 4.8%         | 10.1%         | Health Care            |
| Trex Co Inc                        | 0.28%  | 26.8%        | 18.1%         | Industrials            |
| Science Applications International | 0.27%  | 1.3%         | 10.4%         | Information Technology |
| Portland General Electric Co       | 0.26%  | 4.8%         | 27.2%         | Utilities              |
| ONE Gas Inc                        | 0.26%  | 7.0%         | 19.5%         | Utilities              |
| First Industrial Realty Trust Inc  | 0.26%  | 8.3%         | 29.3%         | Real Estate            |
| Southwest Gas Holdings Inc         | 0.26%  | 2.2%         | 18.2%         | Utilities              |
| Maximus Inc                        | 0.25%  | 6.9%         | 20.4%         | Information Technology |
| Teladoc Health Inc                 | 0.25%  | 2.0%         | -21.6%        | Health Care            |

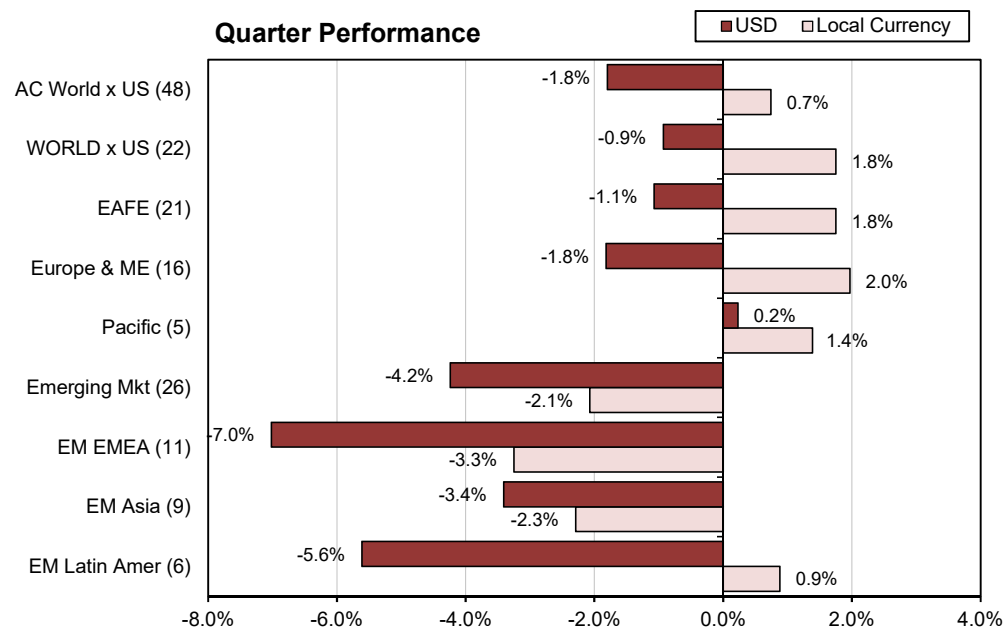
| Top 10 Performing Stocks (by Quarter) |        |              |               |                        |
|---------------------------------------|--------|--------------|---------------|------------------------|
| Russell 2000                          | Weight | 1-Qtr Return | 1-Year Return | Sector                 |
| NextCure Inc                          | 0.00%  | 105.9%       | N/A           | Health Care            |
| Dova Pharmaceuticals Inc              | 0.01%  | 98.2%        | 33.3%         | Health Care            |
| WW International Inc                  | 0.09%  | 98.0%        | -47.5%        | Consumer Discretionary |
| R.R.Donnelley & Sons Co               | 0.01%  | 94.7%        | -27.6%        | Industrials            |
| Infinera Corp                         | 0.05%  | 87.3%        | -25.3%        | Information Technology |
| Lannett Co Inc                        | 0.02%  | 84.8%        | 135.8%        | Health Care            |
| Owens & Minor Inc                     | 0.02%  | 81.6%        | -64.4%        | Health Care            |
| Allakos Inc                           | 0.08%  | 81.5%        | 74.8%         | Health Care            |
| Solid Biosciences Inc                 | 0.01%  | 79.8%        | -78.1%        | Health Care            |
| Ardelyx Inc                           | 0.01%  | 74.7%        | 8.0%          | Health Care            |

| Bottom 10 Performing Stocks (by Quarter) |        |              |               |                        |
|--|--------|--------------|---------------|------------------------|
| Russell 2000                             | Weight | 1-Qtr Return | 1-Year Return | Sector                 |
| Tocagen Inc                              | 0.00%  | -90.1%       | -95.8%        | Health Care            |
| Waitr Holdings Inc Class A               | 0.00%  | -79.6%       | -88.1%        | Consumer Discretionary |
| McDermott International Inc              | 0.02%  | -79.1%       | -89.0%        | Energy                 |
| Sonim Technologies Inc                   | 0.00%  | -77.0%       | N/A           | Information Technology |
| Synlogic Inc                             | 0.00%  | -74.8%       | -83.9%        | Health Care            |
| Mallinckrodt PLC                         | 0.01%  | -73.7%       | -91.8%        | Health Care            |
| Clovis Oncology Inc                      | 0.01%  | -73.6%       | -86.6%        | Health Care            |
| Bloom Energy Corp Class A                | 0.01%  | -73.5%       | -90.5%        | Industrials            |
| Chaparral Energy Inc Class A             | 0.00%  | -71.5%       | -92.4%        | Energy                 |
| Pacific Drilling SA                      | 0.01%  | -69.3%       | -99.7%        | Energy                 |

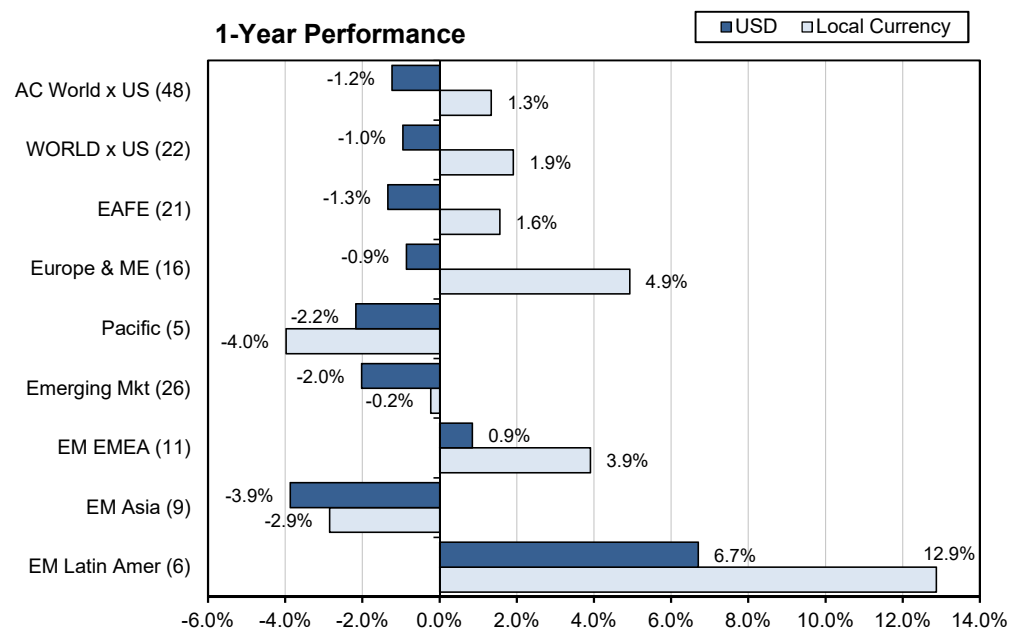


- Broad international equity returns were negative in USD terms for the 3rd quarter as US investors in international markets faced a meaningful headwind from a USD that strengthened against most major currencies. In local currency terms, developed markets were generally positive while emerging markets posted losses. The MSCI ACWI ex US Index gained 0.7% in local currency terms, but a USD investor experienced a loss of -1.8% due to the currency effect. Similar to US markets, international equity markets balanced headwinds from slowing economic data and concerns around global trade with tailwinds from central bank shifts toward more accommodative policies. Among others, the ECB and PBoC announced new stimulus measures during the quarter. The ECB cut its policy rate and committed to a new quantitative easing program and the PBoC announced new stimulus measures designed to encourage bank lending and reduce borrowing costs as it tries to counteract a cooling economy and the effects of its ongoing trade war with the US. The recent USD strength can also be seen over the 1-year period with USD returns trailing most local currency returns. Returns for the MSCI ACWI ex US Index were 1.3% in local currency terms and -1.2% in USD terms for the trailing year.
- Results for developed market international indices were generally positive in local currency terms, but negative in USD terms for the 3rd quarter, with the MSCI EAFE Index returning 1.8% and -0.9% respectively. Outside of central bank policy and trade, there were notable developments within the political sphere. In Europe, Christine Lagarde was nominated to succeed Mario Draghi as the head of the ECB. Japanese stocks rose as election results appeared to support continuity for Prime Minister Abe's ongoing policy efforts. In the UK, pro-Brexit Boris Johnson was appointed to prime minister, replacing Theresa May. The UK continues to face uncertainty around Brexit as its late October deadline to agree to a withdrawal agreement with the European Union (EU) quickly approaches. Stocks in Hong Kong fell as the government dealt with major pro-democracy protests throughout the quarter. The MSCI EAFE Index returned 1.6% and -1.3% for the last twelve months in local currency and USD terms respectively.
- Emerging markets continued their trend of 2019 underperformance relative to developed markets during the 3rd quarter, posting negative returns in both local currency and USD terms. The MSCI Emerging Markets Index fell -2.1% and -4.2% respectively. As expected, geopolitical tensions around trade continued to put pressure on emerging market stocks. Countries with greater sensitivities to commodity prices or a strong USD tended to underperform during the period. Argentina's stock market fell -46.8% as primary elections in the country saw the defeat of the country's current market friendly president. One year returns for the MSCI Emerging Market Index were -0.2% in local currency terms and -2.0% in USD terms.

### Quarter Performance



### 1-Year Performance





**The Market Environment**  
**US Dollar International Index Attribution & Country Detail**  
As of September 30, 2019

| MSCI - EAFE            | Sector Weight | Quarter Return | 1-Year Return |
|------------------------|---------------|----------------|---------------|
| Communication Services | 5.4%          | -0.9%          | -0.7%         |
| Consumer Discretionary | 11.5%         | 0.3%           | -2.0%         |
| Consumer Staples       | 12.0%         | 1.9%           | 6.9%          |
| Energy                 | 5.1%          | -6.5%          | -14.5%        |
| Financials             | 18.6%         | -2.6%          | -6.3%         |
| Health Care            | 11.6%         | 2.4%           | 4.3%          |
| Industrials            | 14.7%         | -2.0%          | -2.1%         |
| Information Technology | 6.7%          | -0.5%          | 1.8%          |
| Materials              | 7.0%          | -5.4%          | -5.7%         |
| Real Estate            | 3.6%          | -1.3%          | 4.3%          |
| Utilities              | 3.8%          | 2.4%           | 13.2%         |
| <b>Total</b>           | <b>100.0%</b> | <b>-1.1%</b>   | <b>-1.3%</b>  |

| MSCI - ACWIxUS         | Sector Weight | Quarter Return | 1-Year Return |
|------------------------|---------------|----------------|---------------|
| Communication Services | 6.8%          | -2.9%          | -1.0%         |
| Consumer Discretionary | 11.4%         | -0.7%          | -1.6%         |
| Consumer Staples       | 10.2%         | 1.5%           | 6.8%          |
| Energy                 | 6.7%          | -4.6%          | -9.8%         |
| Financials             | 21.6%         | -3.6%          | -3.2%         |
| Health Care            | 8.5%          | 1.1%           | 0.9%          |
| Industrials            | 11.9%         | -2.5%          | -2.4%         |
| Information Technology | 8.9%          | 2.2%           | 4.1%          |
| Materials              | 7.3%          | -6.5%          | -7.2%         |
| Real Estate            | 3.2%          | -3.1%          | 5.0%          |
| Utilities              | 3.5%          | 1.3%           | 12.6%         |
| <b>Total</b>           | <b>100.0%</b> | <b>-1.8%</b>   | <b>-1.2%</b>  |

| MSCI - Emerging Mkt    | Sector Weight | Quarter Return | 1-Year Return |
|------------------------|---------------|----------------|---------------|
| Communication Services | 11.6%         | -5.2%          | -2.5%         |
| Consumer Discretionary | 13.1%         | -3.1%          | 0.1%          |
| Consumer Staples       | 6.9%          | -0.8%          | 3.0%          |
| Energy                 | 7.7%          | -4.0%          | -2.3%         |
| Financials             | 24.7%         | -8.0%          | 1.6%          |
| Health Care            | 2.6%          | -6.6%          | -24.2%        |
| Industrials            | 5.4%          | -5.2%          | -4.4%         |
| Information Technology | 15.1%         | 5.6%           | 3.9%          |
| Materials              | 7.3%          | -10.7%         | -15.9%        |
| Real Estate            | 2.9%          | -8.8%          | 6.8%          |
| Utilities              | 2.8%          | -3.6%          | 7.2%          |
| <b>Total</b>           | <b>100.0%</b> | <b>-4.2%</b>   | <b>-2.0%</b>  |

| Country                          | MSCI-EAFE Weight | MSCI-ACWIxUS Weight | Quarter Return | 1- Year Return |
|----------------------------------|------------------|---------------------|----------------|----------------|
| Japan                            | 24.6%            | 16.5%               | 3.1%           | -4.7%          |
| United Kingdom                   | 16.4%            | 11.0%               | -2.5%          | -2.9%          |
| France                           | 11.4%            | 7.6%                | -1.7%          | -1.6%          |
| Switzerland                      | 9.4%             | 6.3%                | 0.3%           | 12.0%          |
| Germany                          | 8.5%             | 5.7%                | -4.0%          | -7.1%          |
| Australia                        | 7.0%             | 4.7%                | -1.4%          | 6.1%           |
| Netherlands                      | 4.0%             | 2.7%                | 2.4%           | 9.5%           |
| Hong Kong                        | 3.5%             | 2.4%                | -11.9%         | -1.8%          |
| Spain                            | 2.9%             | 2.0%                | -3.8%          | -3.5%          |
| Sweden                           | 2.6%             | 1.7%                | -4.8%          | -8.0%          |
| Italy                            | 2.3%             | 1.6%                | -0.1%          | 3.9%           |
| Denmark                          | 1.8%             | 1.2%                | -1.0%          | 2.3%           |
| Singapore                        | 1.3%             | 0.9%                | -5.8%          | -0.2%          |
| Belgium                          | 1.0%             | 0.7%                | 3.4%           | -0.8%          |
| Finland                          | 1.0%             | 0.7%                | -1.8%          | -9.3%          |
| Norway                           | 0.7%             | 0.4%                | -3.4%          | -13.4%         |
| Israel                           | 0.6%             | 0.4%                | -3.7%          | -12.5%         |
| Ireland                          | 0.5%             | 0.4%                | -0.6%          | -4.6%          |
| New Zealand                      | 0.2%             | 0.2%                | -2.9%          | 10.0%          |
| Austria                          | 0.2%             | 0.2%                | -3.1%          | -16.0%         |
| Portugal                         | 0.2%             | 0.1%                | 1.6%           | -2.5%          |
| <b>Total EAFE Countries</b>      | <b>100.0%</b>    | <b>67.0%</b>        | <b>-1.1%</b>   | <b>-1.3%</b>   |
| Canada                           |                  | 7.0%                | 0.5%           | 3.0%           |
| <b>Total Developed Countries</b> |                  | <b>74.0%</b>        | <b>-0.9%</b>   | <b>-1.0%</b>   |
| China                            |                  | 8.3%                | -4.7%          | -3.9%          |
| Korea                            |                  | 3.2%                | -4.5%          | -13.8%         |
| Taiwan                           |                  | 3.0%                | 5.2%           | -0.2%          |
| India                            |                  | 2.3%                | -5.2%          | 4.7%           |
| Brazil                           |                  | 2.0%                | -4.6%          | 25.4%          |
| South Africa                     |                  | 1.2%                | -12.6%         | -6.4%          |
| Russia                           |                  | 1.0%                | -1.4%          | 18.0%          |
| Thailand                         |                  | 0.8%                | -6.0%          | -0.9%          |
| Saudi Arabia                     |                  | 0.7%                | -9.5%          | 4.0%           |
| Mexico                           |                  | 0.7%                | -1.7%          | -14.8%         |
| Indonesia                        |                  | 0.5%                | -5.2%          | 11.9%          |
| Malaysia                         |                  | 0.5%                | -6.3%          | -10.4%         |
| Philippines                      |                  | 0.3%                | -4.6%          | 13.1%          |
| Poland                           |                  | 0.3%                | -12.1%         | -12.2%         |
| Qatar                            |                  | 0.3%                | -0.2%          | 5.0%           |
| Chile                            |                  | 0.3%                | -7.3%          | -16.8%         |
| United Arab Emirates             |                  | 0.2%                | -0.2%          | -0.3%          |
| Turkey                           |                  | 0.2%                | 11.7%          | 16.5%          |
| Colombia                         |                  | 0.1%                | -6.1%          | -7.3%          |
| Peru                             |                  | 0.1%                | -9.3%          | -4.0%          |
| Greece                           |                  | 0.1%                | -3.1%          | 6.8%           |
| Hungary                          |                  | 0.1%                | -3.9%          | 3.4%           |
| Argentina                        |                  | 0.1%                | -46.8%         | -32.3%         |
| Czech Republic                   |                  | 0.0%                | -10.1%         | -12.6%         |
| Egypt                            |                  | 0.0%                | 7.4%           | 21.5%          |
| Pakistan                         |                  | 0.0%                | 1.1%           | -32.7%         |
| <b>Total Emerging Countries</b>  |                  | <b>26.0%</b>        | <b>-4.2%</b>   | <b>-2.0%</b>   |
| <b>Total ACWIxUS Countries</b>   |                  | <b>100.0%</b>       | <b>-1.8%</b>   | <b>-1.2%</b>   |

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

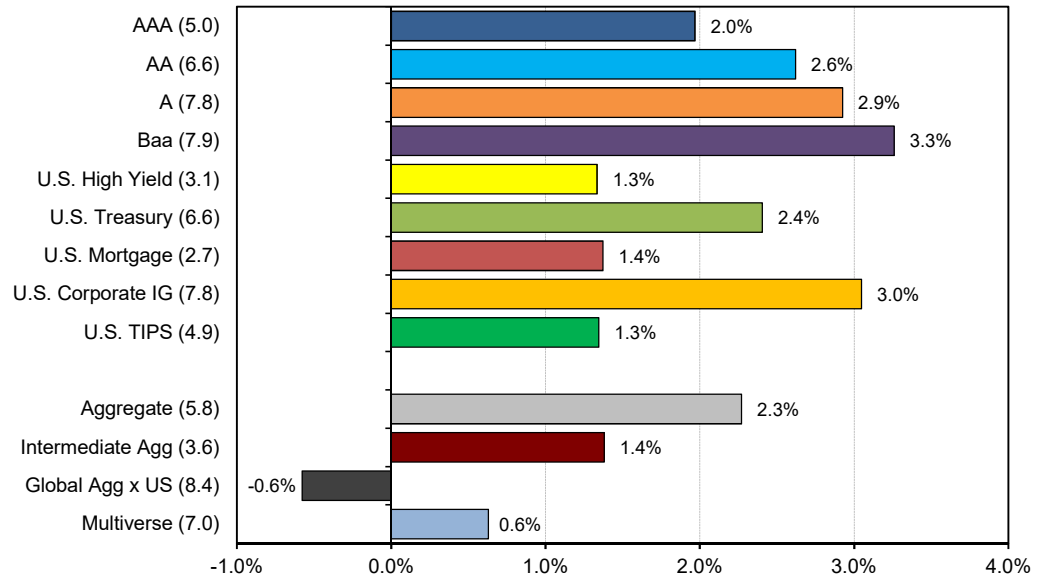
As a result of the GICS classification changes on 9/28/2018 and certain associated reporting limitations, sector performance represents backward looking performance for the prior year of each sector's current constituency, post creation of the Communication Services sector.



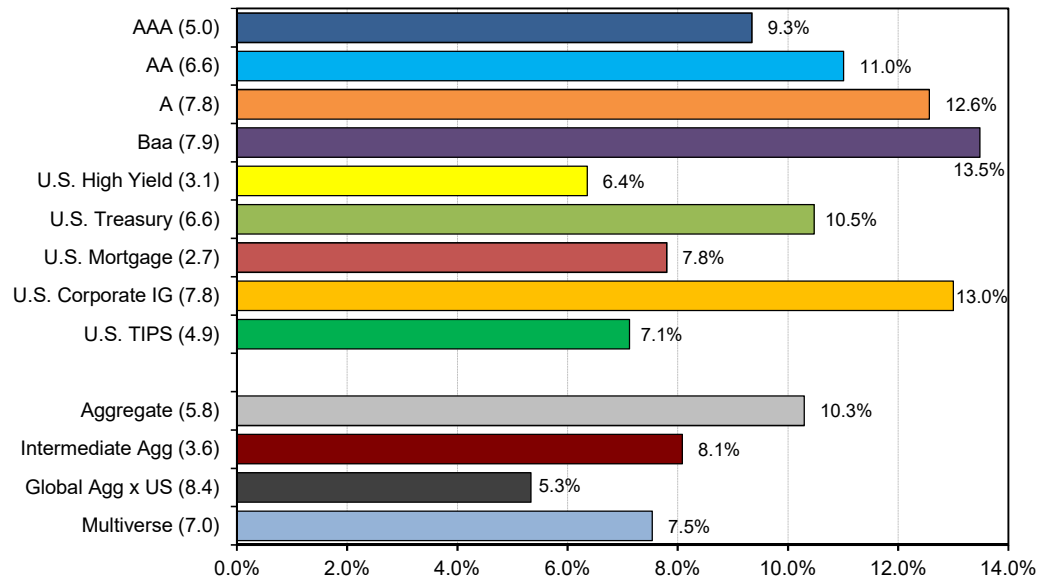


- Broad fixed income benchmarks continued their trend of 2019 gains during the 3rd quarter. Interest rates fell across the US Treasury Yield Curve through the quarter as the Fed continued to shift toward an easing of monetary policy in an attempt to combat slowing economic data. The Fed cut short-term interest rates twice during the period following their July and September meetings. In addition, it ended its balance sheet reduction plan in September which represents a further easing of monetary policy. After its September meeting, the Fed issued a statement commenting that future changes to monetary policy are not on a preset course and will be evaluated as the Fed receives new information on the state of the economy, but that Fed officials “will continue to monitor the implications of incoming information for the economic outlook and will act as appropriate to sustain the expansion.” The Fed response provided market support in a quarter where we saw the formal inversion of the yield curve. Treasury yields on 2-year issues briefly surpassed the yield on 10-year issues in August. This inversion of the yield curve has historically preceded a recession within the next 6-24 months. However, the magnitude of the inversion was mild and short in duration with rates on the 10-year Treasury rising above the yield of the 2-year by early September. The bellwether Bloomberg Barclays US Aggregate Index posted positive returns for both the 3rd quarter and the 1-year period, returning 2.3% and 10.3% respectively.
- Within investment grade credit, lower quality issues outperformed higher quality issues during the quarter. Lower quality issues benefitted from their higher durations as interest rates fell during 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 3.3% for the quarter, while AAA was the worst performing, returning 2.0%. High yield issues returned 1.3% for the quarter as these issues did not commensurately benefit from the drop in interest rates due to their relatively low durations. Returns over the 1-year period show lower quality securities outperforming higher quality issues with Baa rated issues returning 13.5% versus a 9.3% return for AAA securities.
- Investment grade corporates outperformed the more defensive Treasury and mortgage backed sectors of the Bloomberg Barclays US Aggregate Index's three broad sectors during the 3rd quarter. Investment grade corporate credit returned 3.0%, as they benefitted from their higher sensitivity to interest rates, low credit spreads and high investor demand for yield. When viewed over the 1-year period, corporate credit outperformed both Treasuries and mortgage backed securities. Corporate issues returned 13.0% versus a 7.8% return for mortgages and 10.5% gain on Treasury securities.

#### Quarter Performance

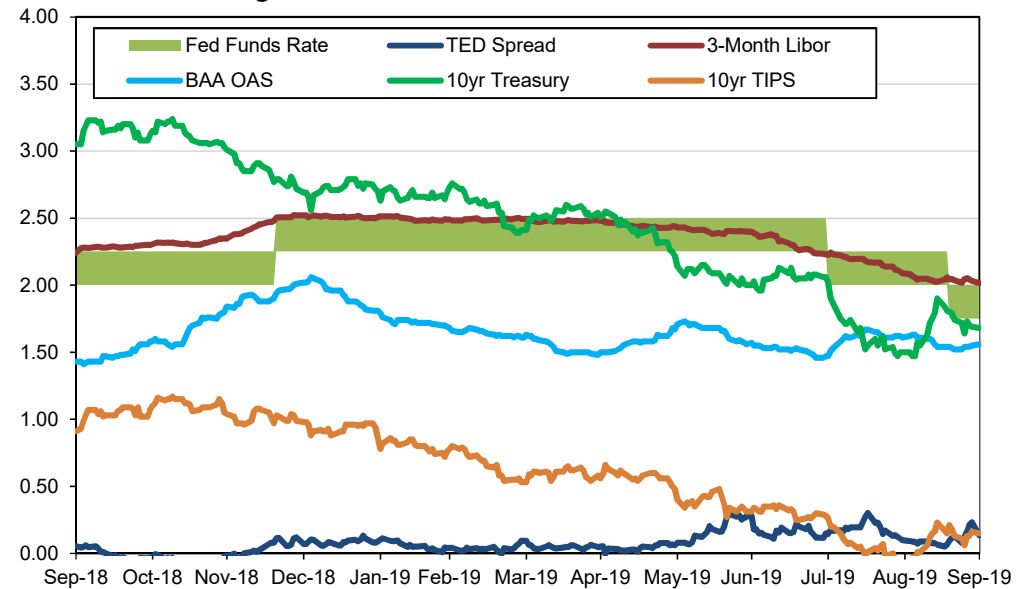


#### 1-Year Performance

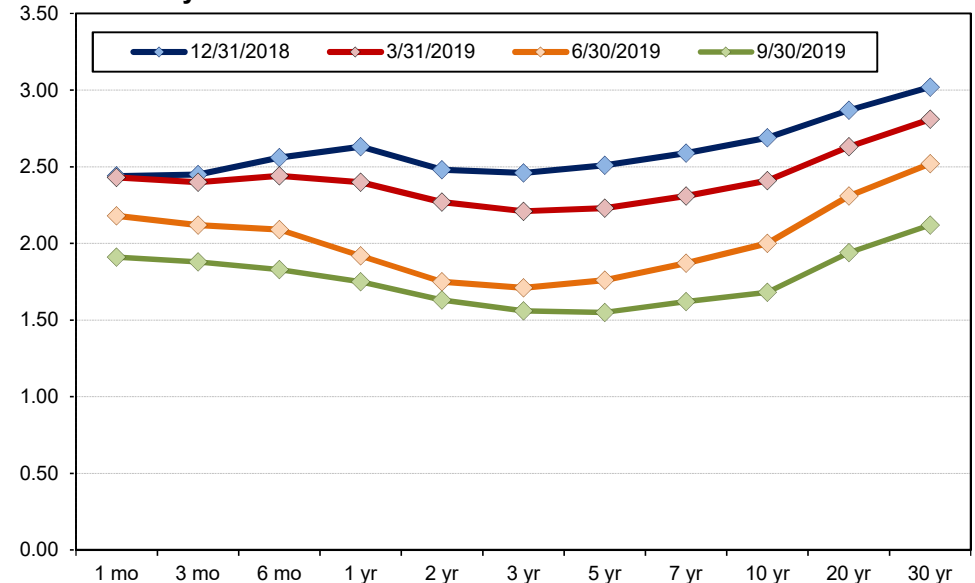


- Global fixed income returns underperformed their domestic counterparts during the 3rd quarter. These indices have lower, or in some cases (Germany, Japan), negative yields, but have higher durations. Given their higher durations, these issues would be expected to perform relatively well during periods of falling rates, however, the returns of these indices are also significantly influenced by fluctuations in their currency denomination relative to the USD. As mentioned, the USD appreciated against most other developed currencies during the quarter, acting as a headwind to global bond indices. The return on global bonds, as represented by the Bloomberg Barclays Global Aggregate ex US Index, was -0.6%. Global bonds also trailed over the 1-year period with the Global Aggregate ex US Index returning 5.3% versus a 10.3% return on the domestically focused Bloomberg Barclays Aggregate Index. As global growth has shown signs of stalling, several international central banks have started to step back from more restrictive postures. The ECB and the PBoC have moved toward an easing of monetary policy and implemented various stimulus programs designed to support their respective economies. The Bank of England and the Bank of Japan made no major policy changes during the quarter as they continue to review macroeconomic data within their respective countries.
- 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 over the last year, the 10-year Treasury yield (green line) fell from high's greater than 3.0%, to yields below 1.5% before ending the quarter at 1.68%. 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 an abrupt increase in credit spreads during the 4th quarter of 2018 as investors moved to higher quality assets during the quarter's risk-off environment. Subsequently, spreads declined steadily, remaining somewhat range bound with increases in May and August. There was little change through the quarter with spreads tightening by about 1 basis point. Spread tightening is equivalent to an interest rate decrease on corporate bonds, which produces an additional tailwind for corporate bond index returns. The green band across the graph illustrates the decrease in the Federal Funds Rate due to the recent easing in US monetary policy. The rate cuts in July and September have pushed the Fed Funds Rate to 1-year lows.
- The lower graph provides a snapshot of the US Treasury yield curve at the end of each of the last four calendar quarters. The downward shift in interest rates as well as a general flattening of the yield curve are clearly visible over the last quarter. As mentioned, the yield curve continues to invert as yields on shorter- and middle-term maturities fell less than interest rates at the long-end of the curve.

**1-Year Trailing Market Rates**

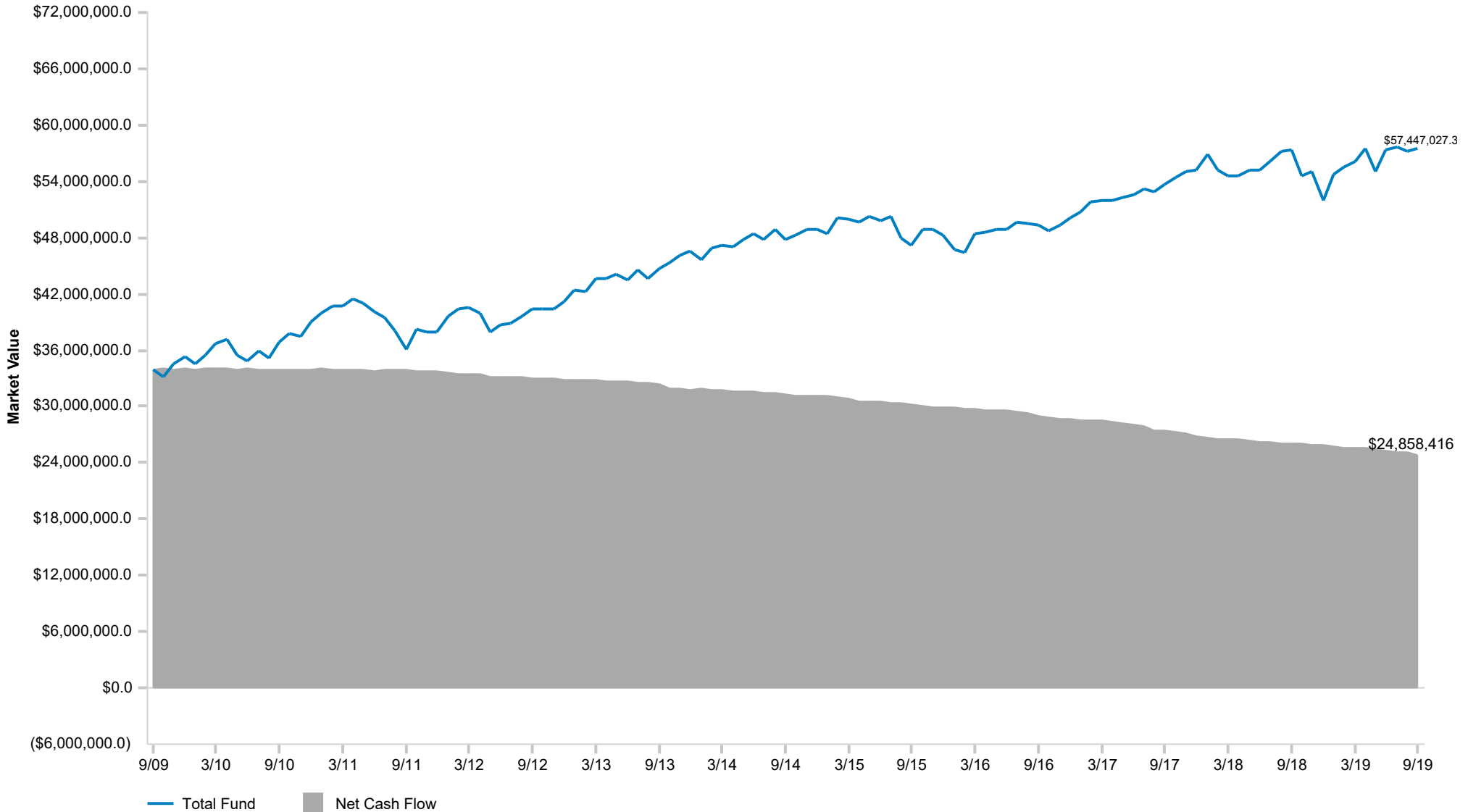


**Treasury Yield Curve**



**Schedule of Investable Assets**  
**Total Fund**  
**10 Years Ending September 30, 2019**

**Schedule of Investable Assets**



**Schedule of Investable Assets**

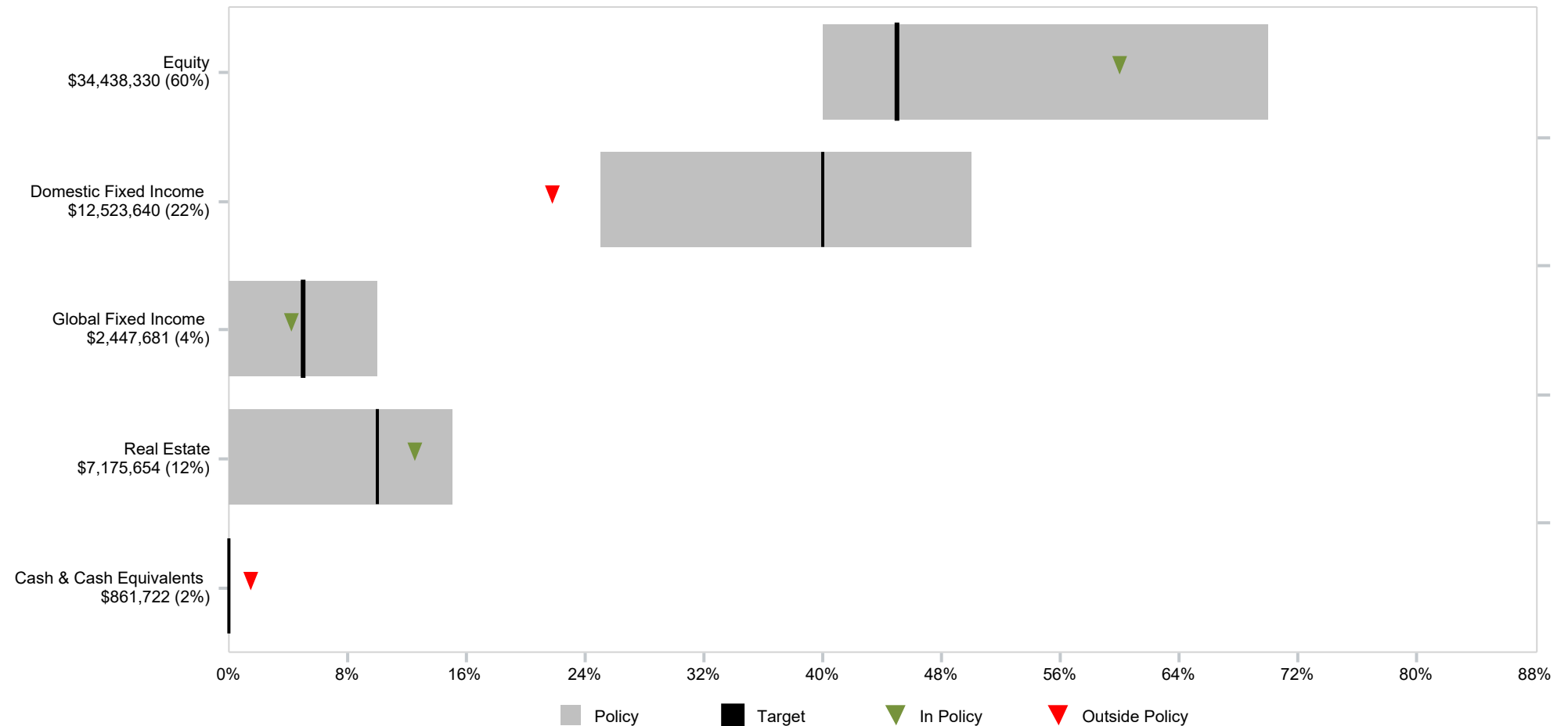
| Periods Ending | Beginning Market Value \$ | Net Cash Flow \$ | Gain/Loss \$ | Ending Market Value \$ | %Return (Net) |
|----------------|---------------------------|------------------|--------------|------------------------|---------------|
| 10 YR          | 33,925,669                | -9,067,253       | 32,588,610   | 57,447,027             | 7.71          |



**Asset Allocation Compliance**

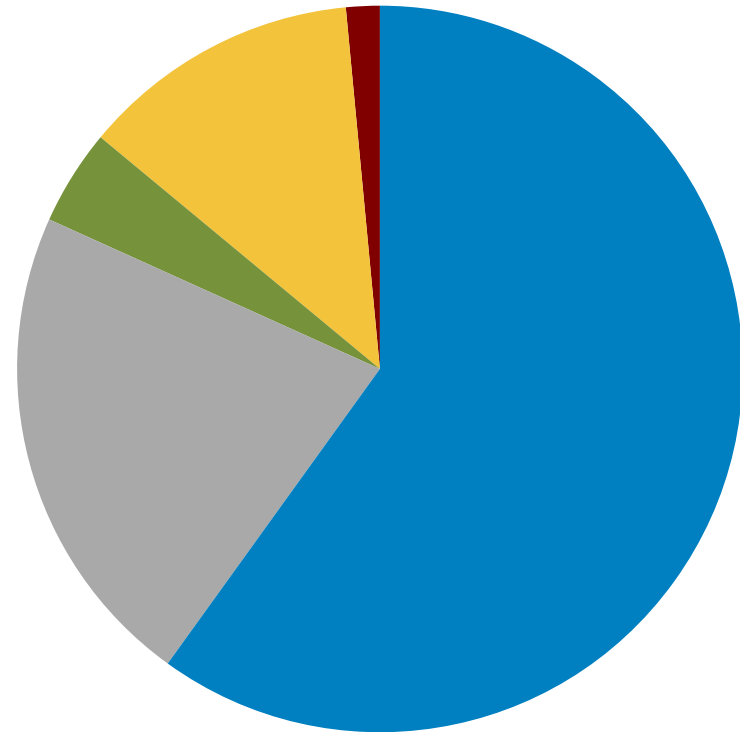
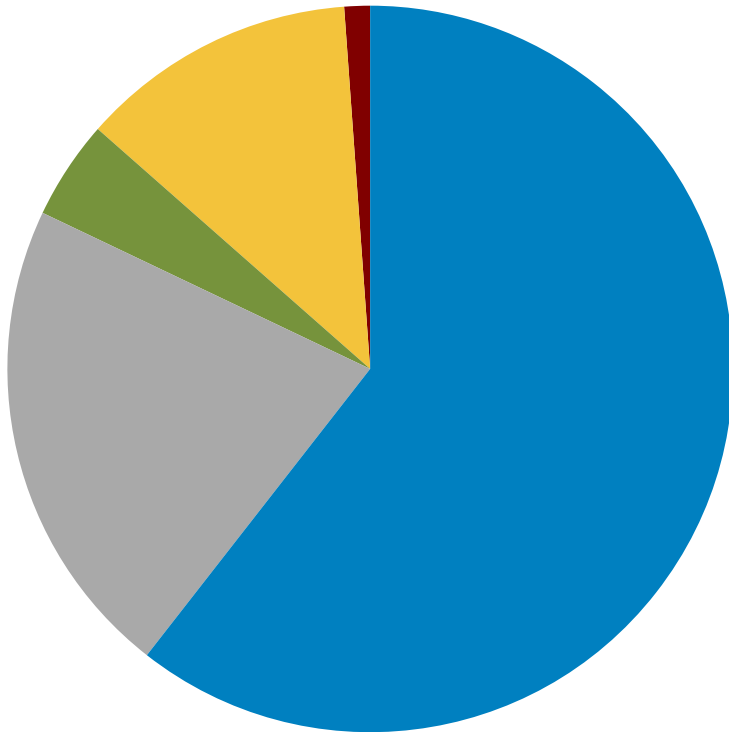
|                         | Asset<br>Allocation<br>\$ | Current<br>Allocation (%) | Minimum<br>Allocation (%) | Target<br>Allocation (%) | Maximum<br>Allocation (%) | Min. Rebal. | Target Rebal. | Max. Rebal. |
|-------------------------|---------------------------|---------------------------|---------------------------|--------------------------|---------------------------|-------------|---------------|-------------|
| Equity                  | 34,438,330                | 59.9                      | 40.0                      | 45.0                     | 70.0                      | -11,459,520 | -8,587,168    | 5,774,589   |
| Domestic Fixed Income   | 12,523,640                | 21.8                      | 25.0                      | 40.0                     | 50.0                      | 1,838,117   | 10,455,171    | 16,199,873  |
| Global Fixed Income     | 2,447,681                 | 4.3                       | 0.0                       | 5.0                      | 10.0                      | -2,447,681  | 424,670       | 3,297,022   |
| Real Estate             | 7,175,654                 | 12.5                      | 0.0                       | 10.0                     | 15.0                      | -7,175,654  | -1,430,951    | 1,441,400   |
| Cash & Cash Equivalents | 861,722                   | 1.5                       | 0.0                       | 0.0                      | 0.0                       | -861,722    | -861,722      | -861,722    |
| Total Fund              | 57,447,027                | 100.0                     | N/A                       | 100.0                    | N/A                       | -           | -             | -           |

**Executive Summary**



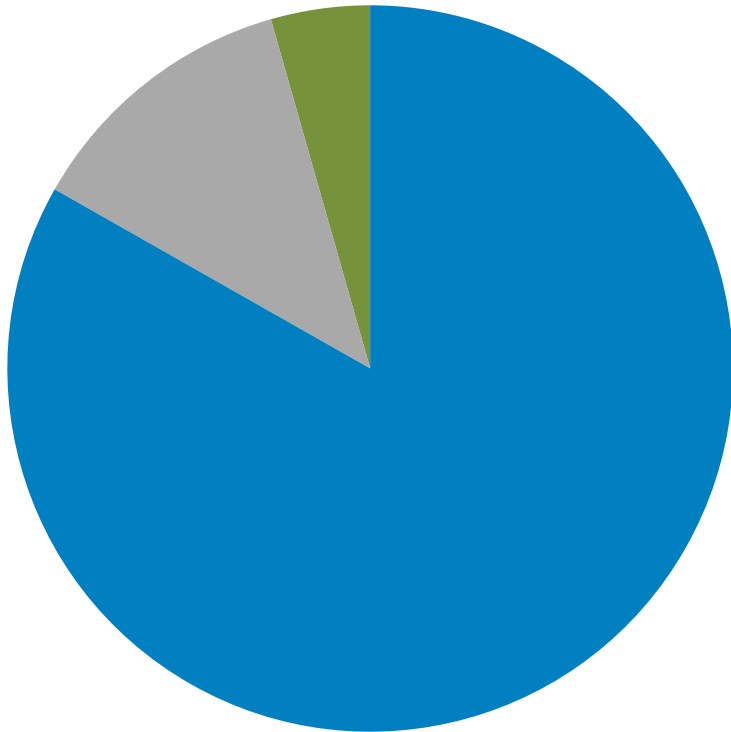
Asset Allocation By Segment as of  
June 30, 2019 : \$57,339,597

Asset Allocation By Segment as of  
September 30, 2019 : \$57,447,027

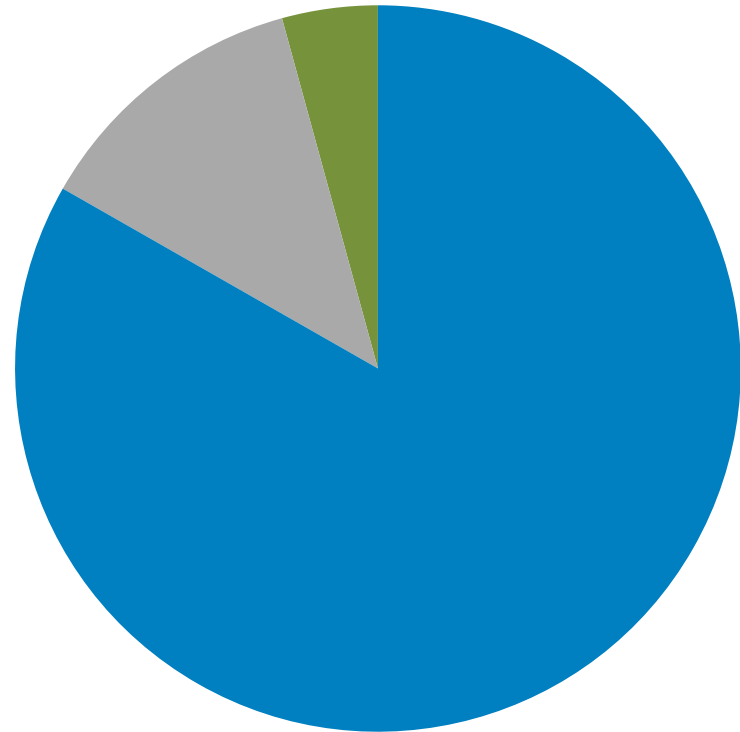


| Allocation            |              |            | Allocation            |              |            |
|-----------------------|--------------|------------|-----------------------|--------------|------------|
| Segments              | Market Value | Allocation | Segments              | Market Value | Allocation |
| Equity                | 34,721,824   | 60.6       | Equity                | 34,438,330   | 59.9       |
| Domestic Fixed Income | 12,335,564   | 21.5       | Domestic Fixed Income | 12,523,640   | 21.8       |
| Global Fixed Income   | 2,532,163    | 4.4        | Global Fixed Income   | 2,447,681    | 4.3        |
| Real Estate           | 7,093,307    | 12.4       | Real Estate           | 7,175,654    | 12.5       |
| Cash Equivalent       | 656,739      | 1.1        | Cash Equivalent       | 861,722      | 1.5        |

Asset Allocation By Manager as of  
June 30, 2019 : \$57,339,597



Asset Allocation By Manager as of  
September 30, 2019 : \$57,447,027

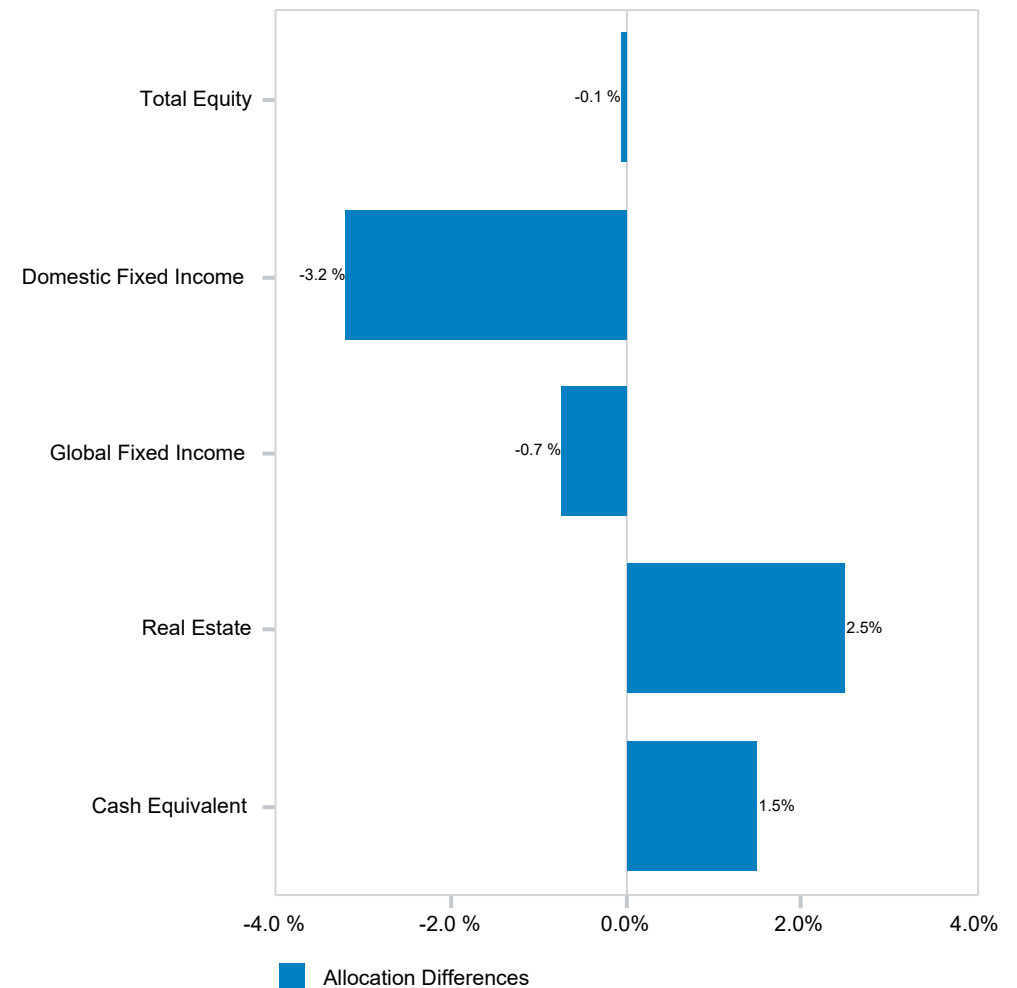
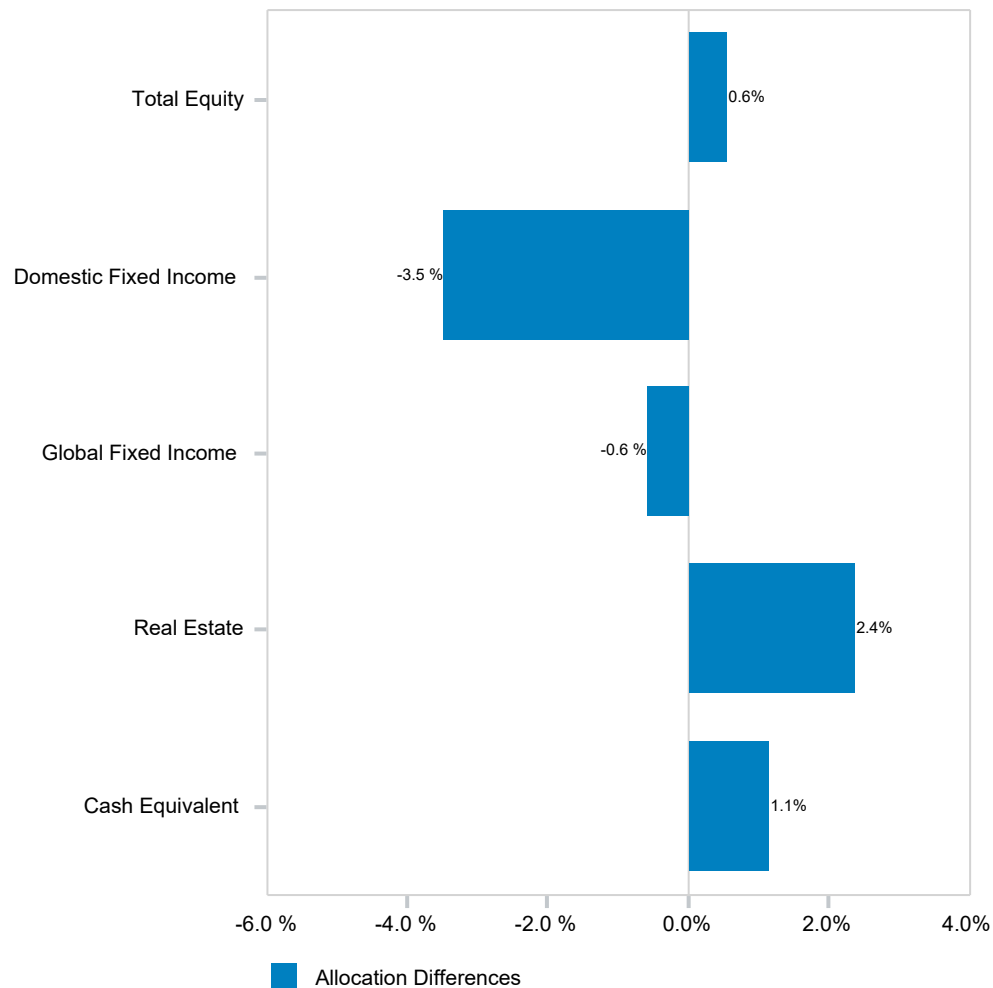


| Allocation                  |              |            | Allocation                  |              |            |
|-----------------------------|--------------|------------|-----------------------------|--------------|------------|
|                             | Market Value | Allocation |                             | Market Value | Allocation |
| ■ Highland Capital          | 47,714,127   | 83.2       | ■ Highland Capital          | 47,823,693   | 83.2       |
| ■ American Core Realty Fund | 7,093,307    | 12.4       | ■ American Core Realty Fund | 7,175,654    | 12.5       |
| ■ Templeton Global          | 2,532,163    | 4.4        | ■ Templeton Global          | 2,447,681    | 4.3        |

# Asset Allocation vs. Target Allocation

Total Fund

As of September 30, 2019

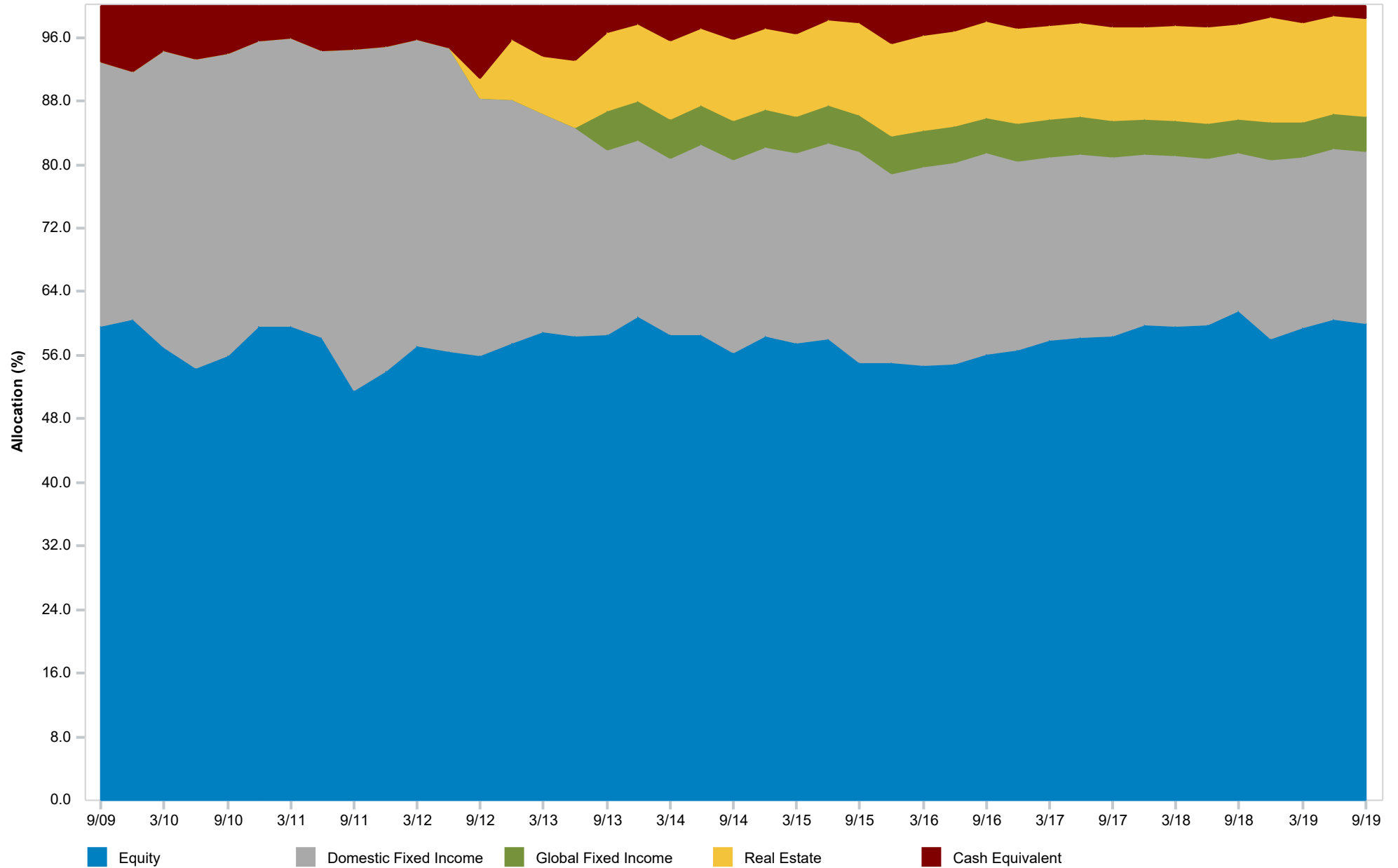


| As of June 30, 2019   |                    |                |            | As of September 30, 2019 |                    |                |            |
|-----------------------|--------------------|----------------|------------|--------------------------|--------------------|----------------|------------|
|                       | Market Value<br>\$ | Allocation (%) | Target (%) |                          | Market Value<br>\$ | Allocation (%) | Target (%) |
| Total Equity          | 34,721,824         | 60.6           | 60.0       | Total Equity             | 34,438,330         | 59.9           | 60.0       |
| Domestic Fixed Income | 12,335,564         | 21.5           | 25.0       | Domestic Fixed Income    | 12,523,640         | 21.8           | 25.0       |
| Global Fixed Income   | 2,532,163          | 4.4            | 5.0        | Global Fixed Income      | 2,447,681          | 4.3            | 5.0        |
| Real Estate           | 7,093,307          | 12.4           | 10.0       | Real Estate              | 7,175,654          | 12.5           | 10.0       |
| Cash Equivalent       | 656,739            | 1.1            | 0.0        | Cash Equivalent          | 861,722            | 1.5            | 0.0        |
| Total Fund            | 57,339,597         | 100.0          | 100.0      | Total Fund               | 57,447,027         | 100.0          | 100.0      |





Historical Asset Allocation by Segment



## Financial Reconciliation Quarter to Date

|                           | Market Value<br>07/01/2019 | Net<br>Transfers | Contributions  | Distributions   | Management<br>Fees | Other<br>Expenses | Income         | Apprec./<br>Deprec. | Market Value<br>09/30/2019 |
|---------------------------|----------------------------|------------------|----------------|-----------------|--------------------|-------------------|----------------|---------------------|----------------------------|
| Highland Capital          | 47,714,127                 | -                | 463,405        | -822,734        | -47,680            | -62,347           | 231,329        | 347,592             | 47,823,693                 |
| Templeton Global          | 2,532,163                  | -                | -              | -               | -                  | -                 | 33,661         | -118,143            | 2,447,681                  |
| American Core Realty Fund | 7,093,307                  | -                | -              | -               | -19,787            | -                 | 86,612         | 15,522              | 7,175,654                  |
| Mutual Fund Cash          | -                          | -                | -              | -               | -                  | -                 | -              | -                   | -                          |
| <b>Total Fund</b>         | <b>57,339,597</b>          | <b>-</b>         | <b>463,405</b> | <b>-822,734</b> | <b>-67,467</b>     | <b>-62,347</b>    | <b>351,602</b> | <b>244,971</b>      | <b>57,447,027</b>          |

## Financial Reconciliation Fiscal Year to Date

|                           | Market Value<br>10/01/2018 | Net<br>Transfers | Contributions    | Distributions     | Management<br>Fees | Other<br>Expenses | Income           | Apprec./<br>Deprec. | Market Value<br>09/30/2019 |
|---------------------------|----------------------------|------------------|------------------|-------------------|--------------------|-------------------|------------------|---------------------|----------------------------|
| Highland Capital          | 48,066,676                 | -                | 1,863,651        | -3,104,660        | -184,852           | -167,163          | 1,111,271        | 238,770             | 47,823,693                 |
| Templeton Global          | 2,434,194                  | -                | -                | -                 | -                  | -                 | 178,212          | -164,725            | 2,447,681                  |
| American Core Realty Fund | 6,792,782                  | -                | -                | -                 | -77,710            | -                 | 339,240          | 121,343             | 7,175,654                  |
| Mutual Fund Cash          | -                          | -                | -                | -                 | -                  | -                 | -                | -                   | -                          |
| <b>Total Fund</b>         | <b>57,293,652</b>          | <b>-</b>         | <b>1,863,651</b> | <b>-3,104,660</b> | <b>-262,562</b>    | <b>-167,163</b>   | <b>1,628,722</b> | <b>195,387</b>      | <b>57,447,027</b>          |

## Comparative Performance Trailing Returns

|   | QTR                | FYTD              | 1 YR              | 3 YR              | 5 YR             | Inception         | Inception Date    |
|---|--------------------|-------------------|-------------------|-------------------|------------------|-------------------|-------------------|
| <b>Total Fund (Net)</b>                               | <b>0.93</b>        | <b>2.83</b>       | <b>2.83</b>       | <b>8.28</b>       | <b>6.65</b>      | <b>6.75</b>       | <b>01/01/1998</b> |
| Total Fund Policy                                     | 1.05               | 5.20              | 5.20              | 8.52              | 7.29             | 6.59              |                   |
| <b>Total Fund (Gross)</b>                             | <b>1.05 (30)</b>   | <b>3.31 (77)</b>  | <b>3.31 (77)</b>  | <b>8.81 (17)</b>  | <b>7.14 (17)</b> | <b>7.16 (16)</b>  | <b>01/01/1998</b> |
| Total Fund Policy                                     | 1.05 (30)          | 5.20 (24)         | 5.20 (24)         | 8.52 (23)         | 7.29 (13)        | 6.59 (51)         |                   |
| All Public Plans-Total Fund Median                    | 0.84               | 4.28              | 4.28              | 8.05              | 6.48             | 6.60              |                   |
| <b>Highland Capital Equity (Gross)</b>                | <b>0.91 (68)</b>   | <b>0.72 (74)</b>  | <b>0.72 (74)</b>  | <b>12.20 (49)</b> | <b>8.98 (64)</b> | <b>8.36 (N/A)</b> | <b>01/01/1998</b> |
| Total Equity Policy                                   | 0.45 (71)          | 2.04 (67)         | 2.04 (67)         | 11.37 (69)        | 8.70 (67)        | 6.68 (N/A)        |                   |
| IM U.S. All Cap Core Equity (SA+CF) Median            | 1.76               | 2.90              | 2.90              | 11.79             | 10.10            | N/A               |                   |
| <b>Highland Capital Fixed (Gross)</b>                 | <b>2.11 (89)</b>   | <b>9.68 (89)</b>  | <b>9.68 (89)</b>  | <b>3.05 (76)</b>  | <b>3.65 (59)</b> | <b>4.77 (99)</b>  | <b>01/01/1998</b> |
| Total Fixed Policy                                    | 2.27 (72)          | 10.30 (70)        | 10.30 (70)        | 2.92 (91)         | 3.38 (91)        | 5.02 (85)         |                   |
| IM U.S. Broad Market Core Fixed Income (SA+CF) Median | 2.33               | 10.47             | 10.47             | 3.35              | 3.72             | 5.38              |                   |
| <b>Templeton Global</b>                               | <b>-3.34 (100)</b> | <b>0.55 (100)</b> | <b>0.55 (100)</b> | <b>3.84 (13)</b>  | <b>0.80 (96)</b> | <b>1.82 (73)</b>  | <b>08/01/2013</b> |
| FTSE World Government Bond Index                      | 0.85 (52)          | 8.13 (39)         | 8.13 (39)         | 1.19 (86)         | 1.80 (61)        | 1.69 (80)         |                   |
| IM Global Fixed Income (MF) Median                    | 1.01               | 7.65              | 7.65              | 2.29              | 2.16             | 2.38              |                   |
| <b>American Core Realty Fund</b>                      | <b>1.44 (77)</b>   | <b>6.81 (54)</b>  | <b>6.81 (54)</b>  | <b>7.61 (82)</b>  | <b>9.14 (83)</b> | <b>10.08 (77)</b> | <b>07/01/2012</b> |
| NCREIF Fund Index-Open End Diversified Core (EW)      | 1.38 (85)          | 6.16 (89)         | 6.16 (89)         | 7.59 (84)         | 9.59 (71)        | 10.43 (72)        |                   |
| IM U.S. Open End Private Real Estate (SA+CF) Median   | 1.75               | 6.88              | 6.88              | 8.42              | 9.92             | 11.29             |                   |

Returns for periods greater than one year are annualized.  
Returns are expressed as percentages. Fiscal year ends September 30th.



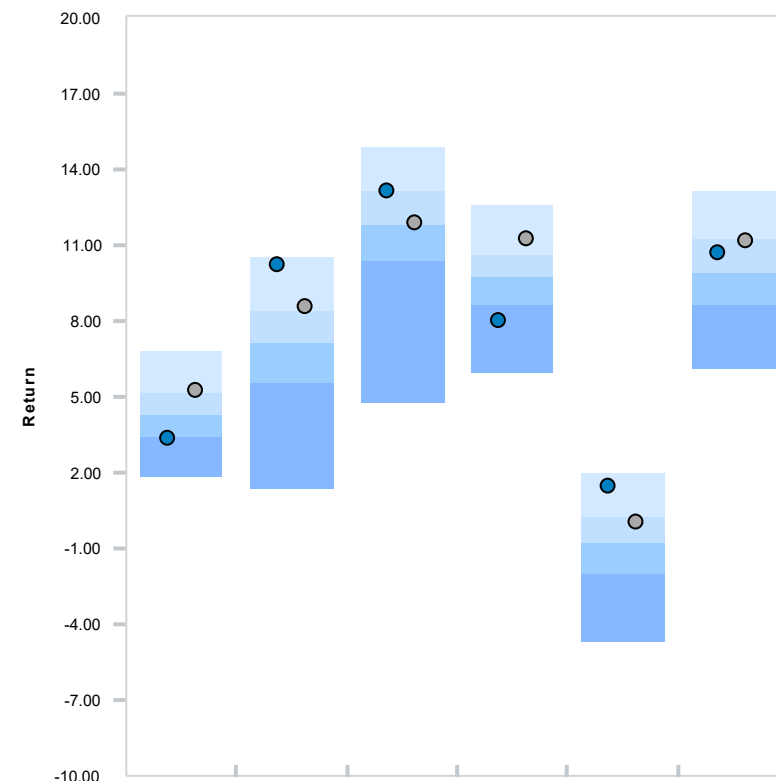
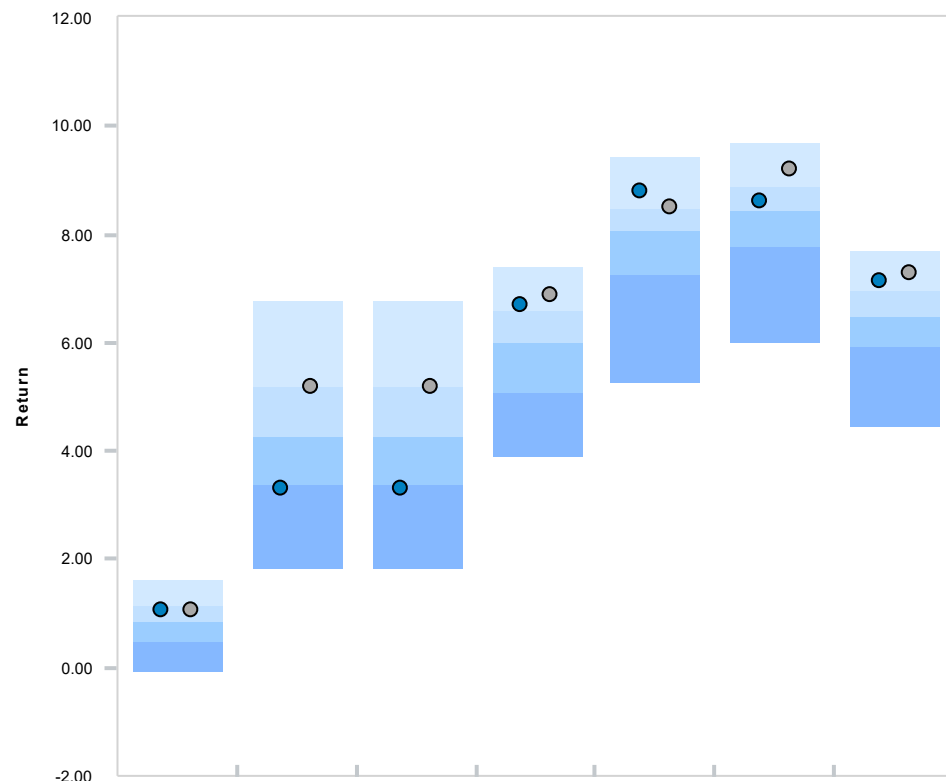
## Comparative Performance Fiscal Year Returns

|   | Oct-2017<br>To<br>Sep-2018 | Oct-2016<br>To<br>Sep-2017 | Oct-2015<br>To<br>Sep-2016 | Oct-2014<br>To<br>Sep-2015 | Oct-2013<br>To<br>Sep-2014 | Oct-2012<br>To<br>Sep-2013 | Oct-2011<br>To<br>Sep-2012 | Oct-2010<br>To<br>Sep-2011 |
|---|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| <b>Total Fund (Net)</b>                               | <b>9.71</b>                | <b>12.52</b>               | <b>7.49</b>                | <b>1.11</b>                | <b>10.06</b>               | <b>12.76</b>               | <b>14.76</b>               | <b>-1.76</b>               |
| Total Fund Policy                                     | 8.58                       | 11.87                      | 11.23                      | 0.03                       | 11.18                      | 10.98                      | 18.44                      | 2.01                       |
| <b>Total Fund (Gross)</b>                             | <b>10.22 (7)</b>           | <b>13.13 (25)</b>          | <b>7.99 (84)</b>           | <b>1.48 (10)</b>           | <b>10.65 (36)</b>          | <b>13.18 (33)</b>          | <b>15.22 (77)</b>          | <b>-1.21 (85)</b>          |
| Total Fund Policy                                     | 8.58 (24)                  | 11.87 (50)                 | 11.23 (16)                 | 0.03 (32)                  | 11.18 (27)                 | 10.98 (65)                 | 18.44 (34)                 | 2.01 (27)                  |
| All Public Plans-Total Fund Median                    | 7.09                       | 11.82                      | 9.74                       | -0.78                      | 9.93                       | 12.00                      | 17.58                      | 0.67                       |
| <b>Highland Capital Equity (Gross)</b>                | <b>16.31 (58)</b>          | <b>20.57 (29)</b>          | <b>9.30 (74)</b>           | <b>-0.41 (50)</b>          | <b>14.17 (72)</b>          | <b>23.16 (62)</b>          | <b>23.08 (80)</b>          | <b>-6.76 (98)</b>          |
| Total Equity Policy                                   | 13.62 (77)                 | 19.14 (48)                 | 13.68 (37)                 | -3.37 (81)                 | 15.61 (62)                 | 20.14 (83)                 | 27.76 (48)                 | -0.40 (64)                 |
| IM U.S. All Cap Core Equity (SA+CF) Median            | 16.68                      | 18.88                      | 11.94                      | -0.47                      | 16.38                      | 24.50                      | 27.38                      | 1.04                       |
| <b>Highland Capital Fixed (Gross)</b>                 | <b>-1.07 (75)</b>          | <b>0.85 (40)</b>           | <b>7.00 (10)</b>           | <b>2.18 (89)</b>           | <b>3.95 (81)</b>           | <b>-2.75 (100)</b>         | <b>7.18 (39)</b>           | <b>5.29 (48)</b>           |
| Total Fixed Policy                                    | -1.22 (89)                 | 0.07 (87)                  | 5.19 (81)                  | 2.94 (61)                  | 3.85 (88)                  | -1.86 (89)                 | 5.28 (88)                  | 5.23 (54)                  |
| IM U.S. Broad Market Core Fixed Income (SA+CF) Median | -0.73                      | 0.63                       | 5.67                       | 3.02                       | 4.51                       | -1.23                      | 6.61                       | 5.26                       |
| <b>Templeton Global</b>                               | <b>-1.61 (55)</b>          | <b>13.17 (1)</b>           | <b>0.68 (100)</b>          | <b>-7.69 (93)</b>          | <b>6.34 (11)</b>           | <b>N/A</b>                 | <b>N/A</b>                 | <b>N/A</b>                 |
| FTSE World Government Bond Index                      | -1.54 (55)                 | -2.69 (94)                 | 9.71 (20)                  | -3.83 (50)                 | -0.07 (96)                 | -4.60 (82)                 | 3.29 (96)                  | 4.61 (8)                   |
| IM Global Fixed Income (MF) Median                    | -1.29                      | 1.02                       | 7.42                       | -3.85                      | 3.37                       | -1.81                      | 7.17                       | 1.74                       |
| <b>American Core Realty Fund</b>                      | <b>8.50 (66)</b>           | <b>7.52 (67)</b>           | <b>9.04 (97)</b>           | <b>13.98 (69)</b>          | <b>12.49 (64)</b>          | <b>12.27 (70)</b>          | <b>N/A</b>                 | <b>N/A</b>                 |
| NCREIF Fund Index-Open End Diversified Core (EW)      | 8.82 (59)                  | 7.81 (60)                  | 10.62 (69)                 | 14.71 (62)                 | 12.39 (68)                 | 12.47 (67)                 | 11.77 (63)                 | 18.03 (44)                 |
| IM U.S. Open End Private Real Estate (SA+CF) Median   | 9.04                       | 8.29                       | 11.32                      | 15.45                      | 12.78                      | 13.18                      | 12.87                      | 16.96                      |

Returns for periods greater than one year are annualized.  
Returns are expressed as percentages. Fiscal year ends September 30th.



Plan Sponsor Peer Group Analysis - All Public Plans-Total Fund

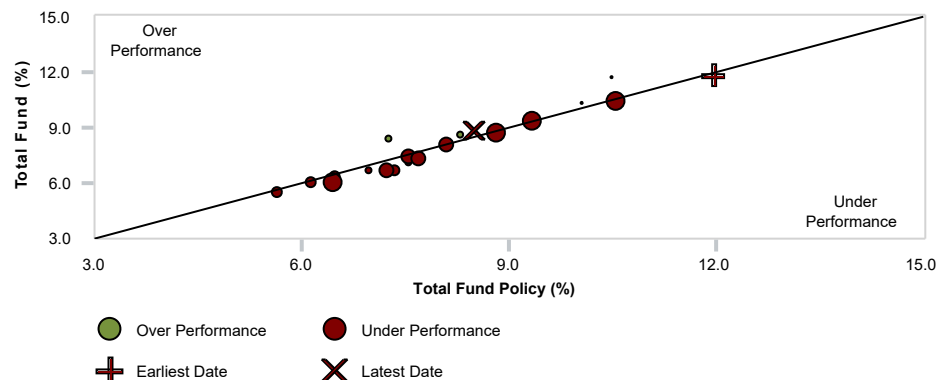


Comparative Performance

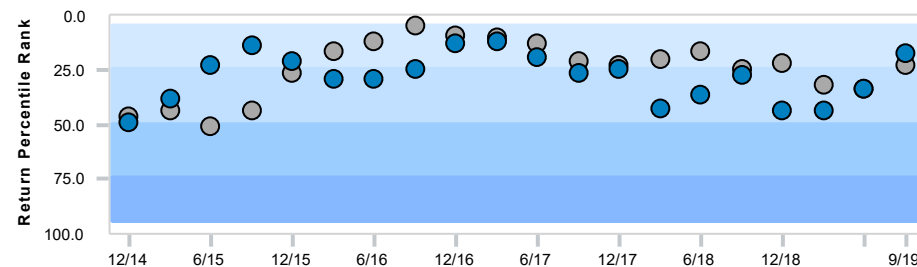
|                                    | 1 Qtr Ending Jun-2019 | 1 Qtr Ending Mar-2019 | 1 Qtr Ending Dec-2018 | 1 Qtr Ending Sep-2018 | 1 Qtr Ending Jun-2018 | 1 Qtr Ending Mar-2018 |
|------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Total Fund                         | 3.34 (39)             | 8.47 (49)             | -8.79 (80)            | 4.24 (4)              | 1.98 (13)             | -0.62 (69)            |
| Total Fund Policy                  | 3.53 (20)             | 8.83 (39)             | -7.60 (52)            | 3.44 (15)             | 1.39 (35)             | -0.41 (56)            |
| All Public Plans-Total Fund Median | 3.24                  | 8.40                  | -7.54                 | 2.58                  | 1.03                  | -0.32                 |



### 3 Yr Rolling Under/Over Performance - 5 Years

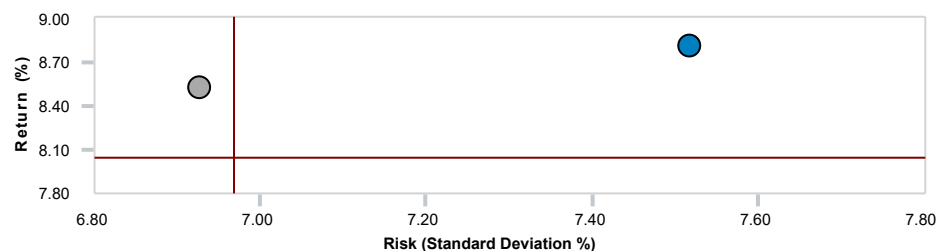


### 3 Yr Rolling Percentile Ranking - 5 Years



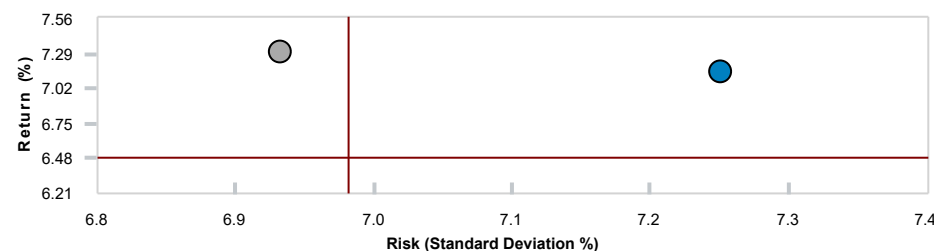
|                   | Total Period | 5-25 Count | 25-Median Count | Median-75 Count | 75-95 Count |
|-------------------|--------------|------------|-----------------|-----------------|-------------|
| Total Fund        | 20           | 9 (45%)    | 11 (55%)        | 0 (0%)          | 0 (0%)      |
| Total Fund Policy | 20           | 13 (65%)   | 6 (30%)         | 1 (5%)          | 0 (0%)      |

### Peer Group Scattergram - 3 Years



|                   | Return | Standard Deviation |
|-------------------|--------|--------------------|
| Total Fund        | 8.81   | 7.52               |
| Total Fund Policy | 8.52   | 6.93               |
| Median            | 8.05   | 6.97               |

### Peer Group Scattergram - 5 Years



|                   | Return | Standard Deviation |
|-------------------|--------|--------------------|
| Total Fund        | 7.14   | 7.25               |
| Total Fund Policy | 7.29   | 6.93               |
| Median            | 6.48   | 6.98               |

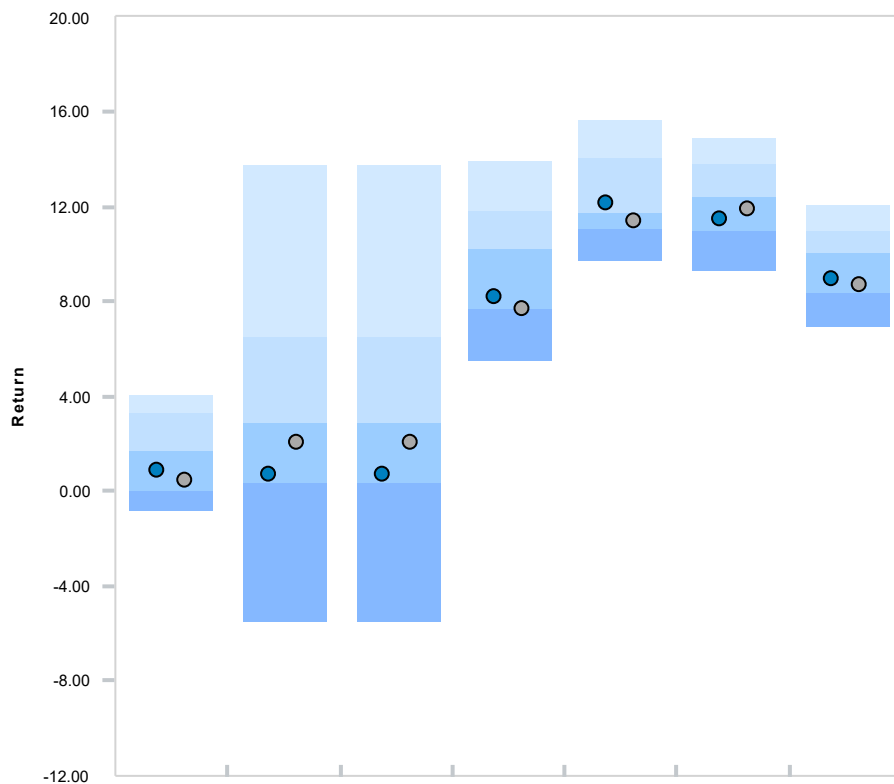
### Historical Statistics - 3 Years

|                   | Tracking Error | Up Market Capture | Down Market Capture | Alpha | Information Ratio | Sharpe Ratio | Beta | Downside Risk |
|-------------------|----------------|-------------------|---------------------|-------|-------------------|--------------|------|---------------|
| Total Fund        | 1.37           | 106.65            | 110.85              | -0.27 | 0.23              | 0.96         | 1.07 | 5.02          |
| Total Fund Policy | 0.00           | 100.00            | 100.00              | 0.00  | N/A               | 1.00         | 1.00 | 4.48          |

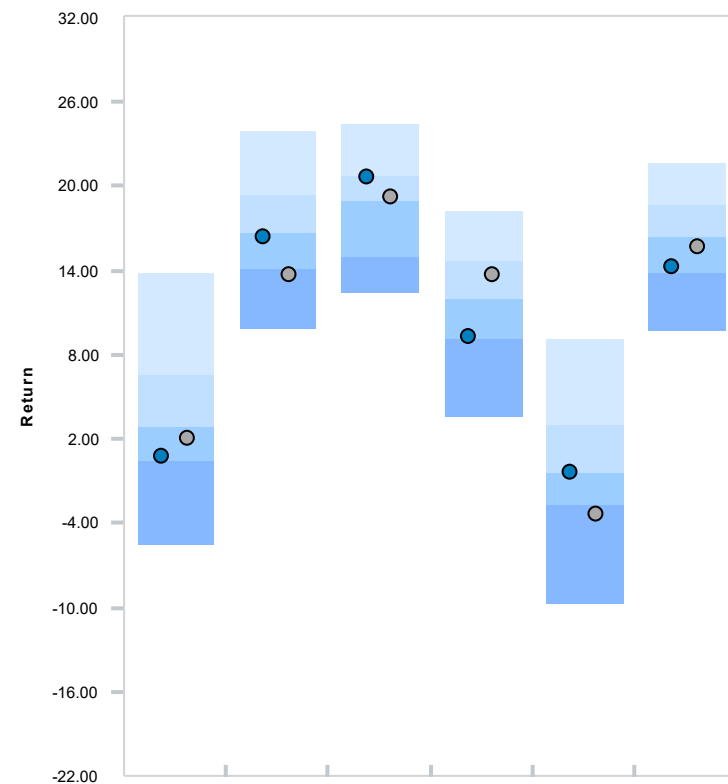
### Historical Statistics - 5 Years

|                   | Tracking Error | Up Market Capture | Down Market Capture | Alpha | Information Ratio | Sharpe Ratio | Beta | Downside Risk |
|-------------------|----------------|-------------------|---------------------|-------|-------------------|--------------|------|---------------|
| Total Fund        | 1.48           | 100.57            | 103.31              | -0.30 | -0.08             | 0.86         | 1.02 | 4.66          |
| Total Fund Policy | 0.00           | 100.00            | 100.00              | 0.00  | N/A               | 0.92         | 1.00 | 4.24          |

Peer Group Analysis - IM U.S. All Cap Core Equity (SA+CF)



|                           | QTR       | FYTD      | 1 YR      | 2 YR      | 3 YR       | 4 YR       | 5 YR      |
|---------------------------|-----------|-----------|-----------|-----------|------------|------------|-----------|
| ● Highland Capital Equity | 0.91 (68) | 0.72 (74) | 0.72 (74) | 8.24 (68) | 12.20 (49) | 11.47 (65) | 8.98 (64) |
| ● Total Equity Policy     | 0.45 (71) | 2.04 (67) | 2.04 (67) | 7.67 (76) | 11.37 (69) | 11.94 (61) | 8.70 (67) |
| Median                    | 1.76      | 2.90      | 2.90      | 10.27     | 11.79      | 12.44      | 10.10     |



|                           | Oct-2018 To Sep-2019 | Oct-2017 To Sep-2018 | Oct-2016 To Sep-2017 | Oct-2015 To Sep-2016 | Oct-2014 To Sep-2015 | Oct-2013 To Sep-2014 |
|---------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| ● Highland Capital Equity | 0.72 (74)            | 16.31 (58)           | 20.57 (29)           | 9.30 (74)            | -0.41 (50)           | 14.17 (72)           |
| ● Total Equity Policy     | 2.04 (67)            | 13.62 (77)           | 19.14 (48)           | 13.68 (37)           | -3.37 (81)           | 15.61 (62)           |
| Median                    | 2.90                 | 16.68                | 18.88                | 11.94                | -0.47                | 16.38                |

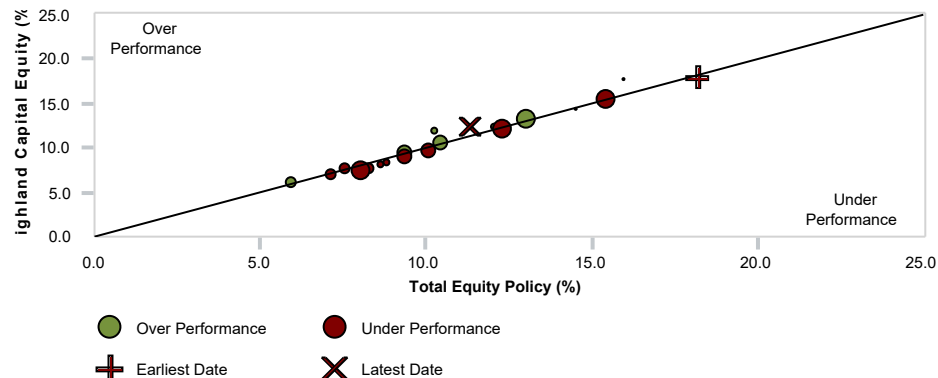
Comparative Performance

|  | 1 Qtr Ending Jun-2019 | 1 Qtr Ending Mar-2019 | 1 Qtr Ending Dec-2018 | 1 Qtr Ending Sep-2018 | 1 Qtr Ending Jun-2018 | 1 Qtr Ending Mar-2018 |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Highland Capital Equity                    | 4.05 (58)             | 13.03 (66)            | -15.12 (60)           | 6.39 (54)             | 3.22 (64)             | -1.02 (72)            |
| Total Equity Policy                        | 3.88 (67)             | 13.14 (65)            | -13.56 (30)           | 5.54 (64)             | 2.31 (71)             | -0.75 (67)            |
| IM U.S. All Cap Core Equity (SA+CF) Median | 4.28                  | 13.63                 | -14.73                | 6.62                  | 3.70                  | -0.17                 |

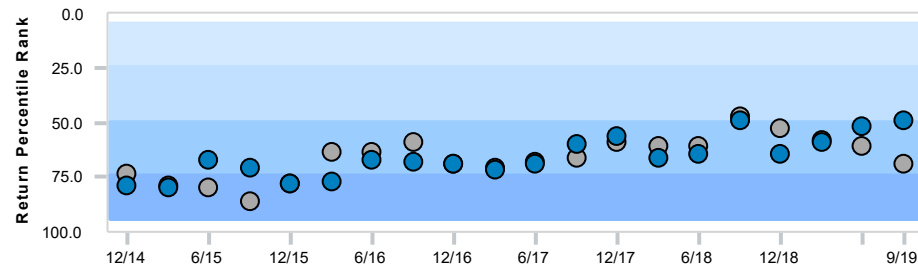




### 3 Yr Rolling Under/Over Performance - 5 Years

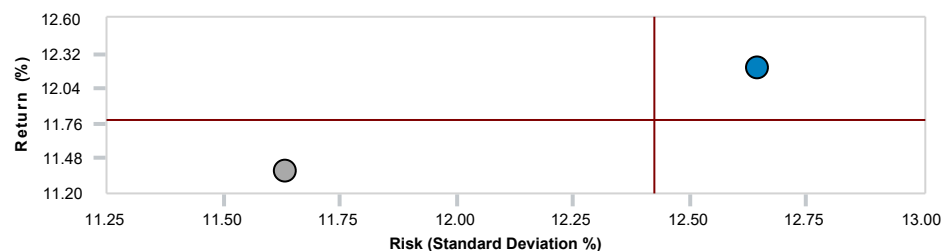


### 3 Yr Rolling Percentile Ranking - 5 Years



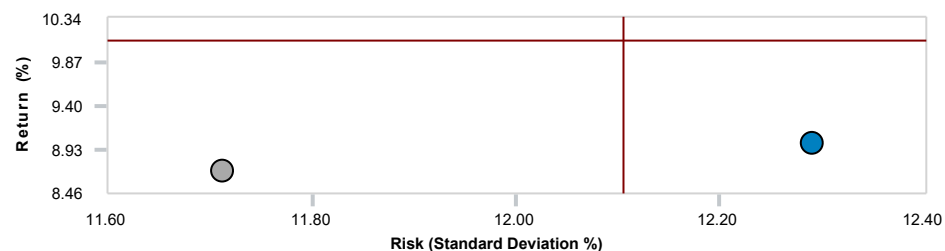
|                         | Total Period | 5-25 Count | 25-Median Count | Median-75 Count | 75-95 Count |
|-------------------------|--------------|------------|-----------------|-----------------|-------------|
| Highland Capital Equity | 20           | 0 (0%)     | 2 (10%)         | 14 (70%)        | 4 (20%)     |
| Total Equity Policy     | 20           | 0 (0%)     | 1 (5%)          | 15 (75%)        | 4 (20%)     |

### Peer Group Scattergram - 3 Years



|                         | Return | Standard Deviation |
|-------------------------|--------|--------------------|
| Highland Capital Equity | 12.20  | 12.64              |
| Total Equity Policy     | 11.37  | 11.63              |
| Median                  | 11.79  | 12.42              |

### Peer Group Scattergram - 5 Years



|                         | Return | Standard Deviation |
|-------------------------|--------|--------------------|
| Highland Capital Equity | 8.98   | 12.29              |
| Total Equity Policy     | 8.70   | 11.71              |
| Median                  | 10.10  | 12.10              |

### Historical Statistics - 3 Years

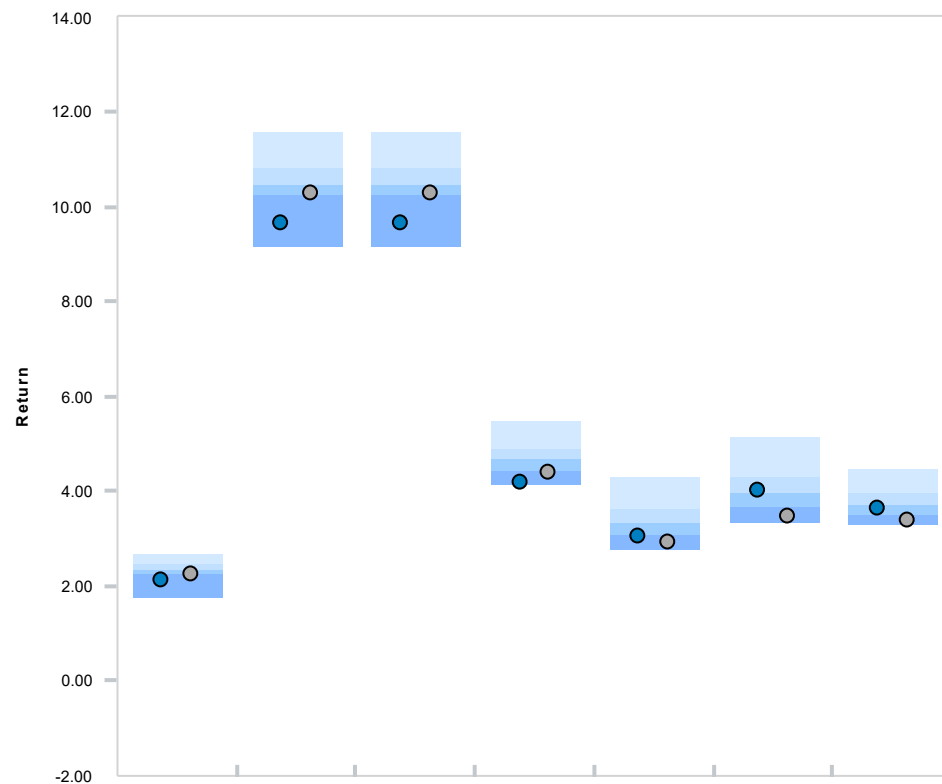
|                         | Tracking Error | Up Market Capture | Down Market Capture | Alpha | Information Ratio | Sharpe Ratio | Beta | Downside Risk |
|-------------------------|----------------|-------------------|---------------------|-------|-------------------|--------------|------|---------------|
| Highland Capital Equity | 1.87           | 107.18            | 106.68              | -0.02 | 0.47              | 0.86         | 1.08 | 8.68          |
| Total Equity Policy     | 0.00           | 100.00            | 100.00              | 0.00  | N/A               | 0.86         | 1.00 | 7.94          |

### Historical Statistics - 5 Years

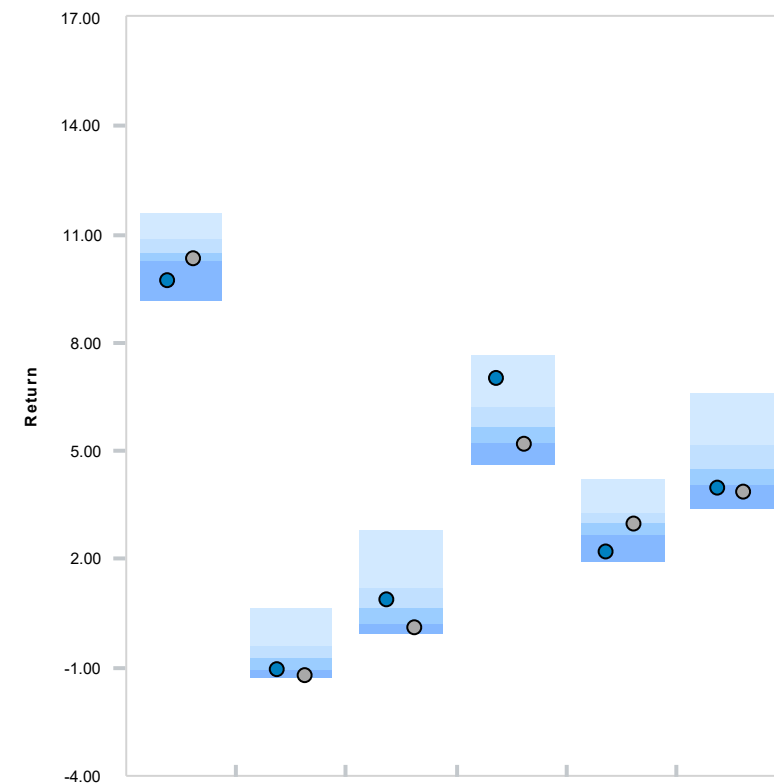
|                         | Tracking Error | Up Market Capture | Down Market Capture | Alpha | Information Ratio | Sharpe Ratio | Beta | Downside Risk |
|-------------------------|----------------|-------------------|---------------------|-------|-------------------|--------------|------|---------------|
| Highland Capital Equity | 2.11           | 103.41            | 103.15              | 0.03  | 0.16              | 0.69         | 1.03 | 8.14          |
| Total Equity Policy     | 0.00           | 100.00            | 100.00              | 0.00  | N/A               | 0.69         | 1.00 | 7.63          |



Peer Group Analysis - IM U.S. Broad Market Core Fixed Income (SA+CF)



|                      | QTR       | FYTD       | 1 YR       | 2 YR      | 3 YR      | 4 YR      | 5 YR      |
|----------------------|-----------|------------|------------|-----------|-----------|-----------|-----------|
| ● Highland Fixed     | 2.11 (89) | 9.68 (89)  | 9.68 (89)  | 4.17 (94) | 3.05 (76) | 4.03 (46) | 3.65 (59) |
| ● Total Fixed Policy | 2.27 (72) | 10.30 (70) | 10.30 (70) | 4.38 (83) | 2.92 (91) | 3.49 (90) | 3.38 (91) |
| Median               | 2.33      | 10.47      | 10.47      | 4.69      | 3.35      | 3.97      | 3.72      |

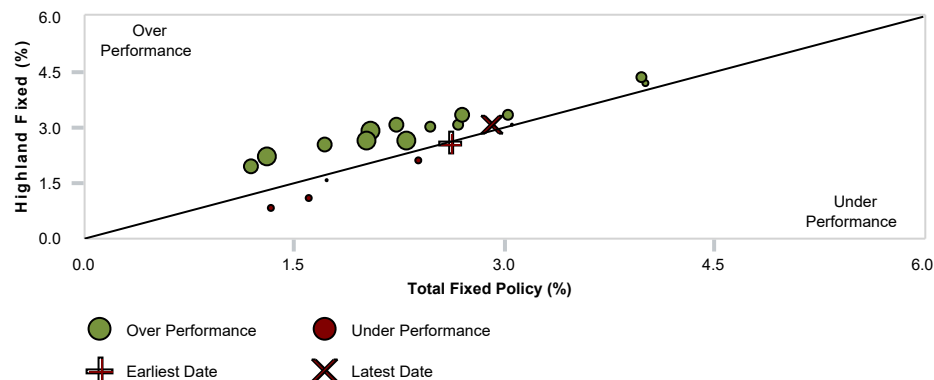


|                      | Oct-2018 To Sep-2019 | Oct-2017 To Sep-2018 | Oct-2016 To Sep-2017 | Oct-2015 To Sep-2016 | Oct-2014 To Sep-2015 | Oct-2013 To Sep-2014 |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| ● Highland Fixed     | 9.68 (89)            | -1.07 (75)           | 0.85 (40)            | 7.00 (10)            | 2.18 (89)            | 3.95 (81)            |
| ● Total Fixed Policy | 10.30 (70)           | -1.22 (89)           | 0.07 (87)            | 5.19 (81)            | 2.94 (61)            | 3.85 (88)            |
| Median               | 10.47                | -0.73                | 0.63                 | 5.67                 | 3.02                 | 4.51                 |

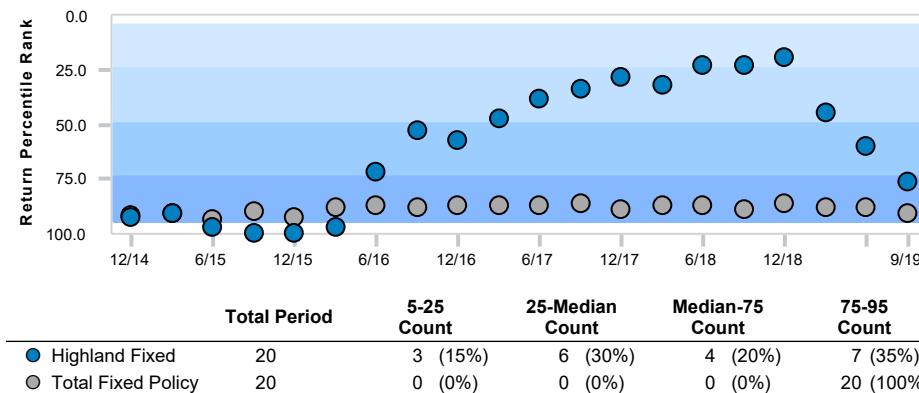
Comparative Performance

|   | 1 Qtr Ending Jun-2019 | 1 Qtr Ending Mar-2019 | 1 Qtr Ending Dec-2018 | 1 Qtr Ending Sep-2018 | 1 Qtr Ending Jun-2018 | 1 Qtr Ending Mar-2018 |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Highland Fixed  | 3.10 (64)             | 2.72 (92)             | 1.43 (46)             | 0.20 (45)             | -0.38 (96)            | -1.45 (66)            |
| Total Fixed Policy                                    | 3.08 (71)             | 2.94 (83)             | 1.64 (23)             | 0.02 (84)             | -0.16 (73)            | -1.46 (67)            |
| IM U.S. Broad Market Core Fixed Income (SA+CF) Median | 3.14                  | 3.22                  | 1.39                  | 0.18                  | -0.09                 | -1.37                 |

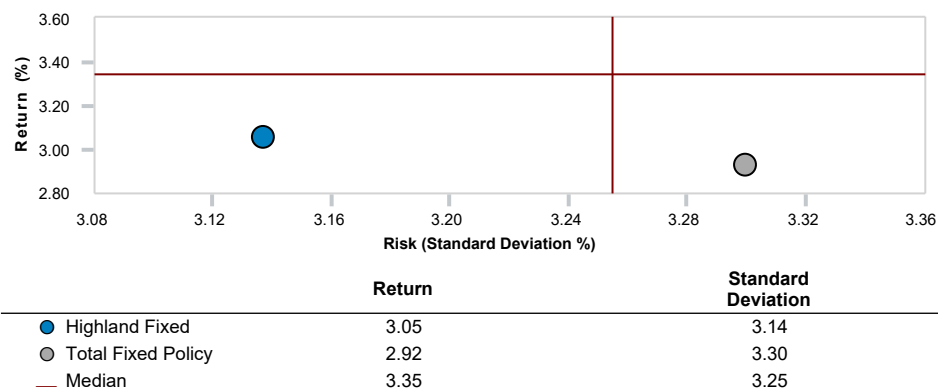
### 3 Yr Rolling Under/Over Performance - 5 Years



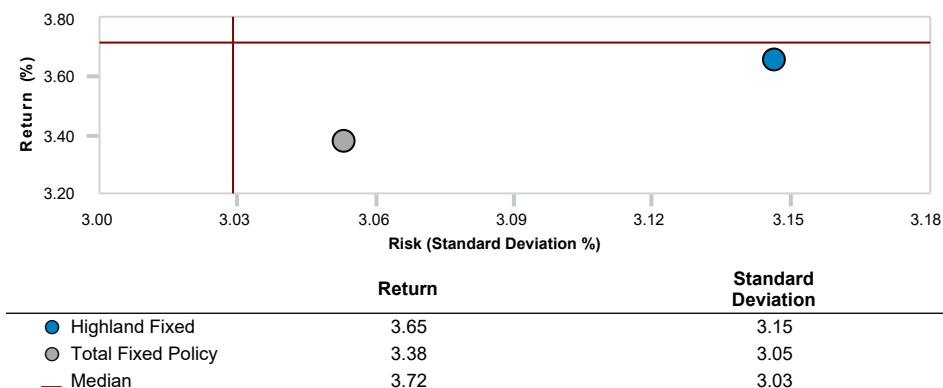
### 3 Yr Rolling Percentile Ranking - 5 Years



### Peer Group Scattergram - 3 Years



### Peer Group Scattergram - 5 Years



### Historical Statistics - 3 Years

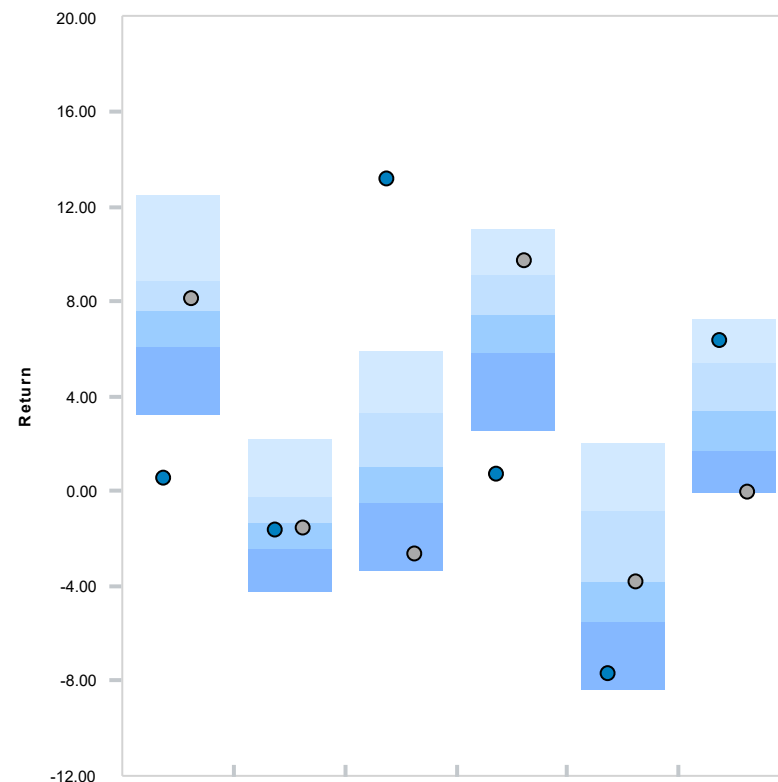
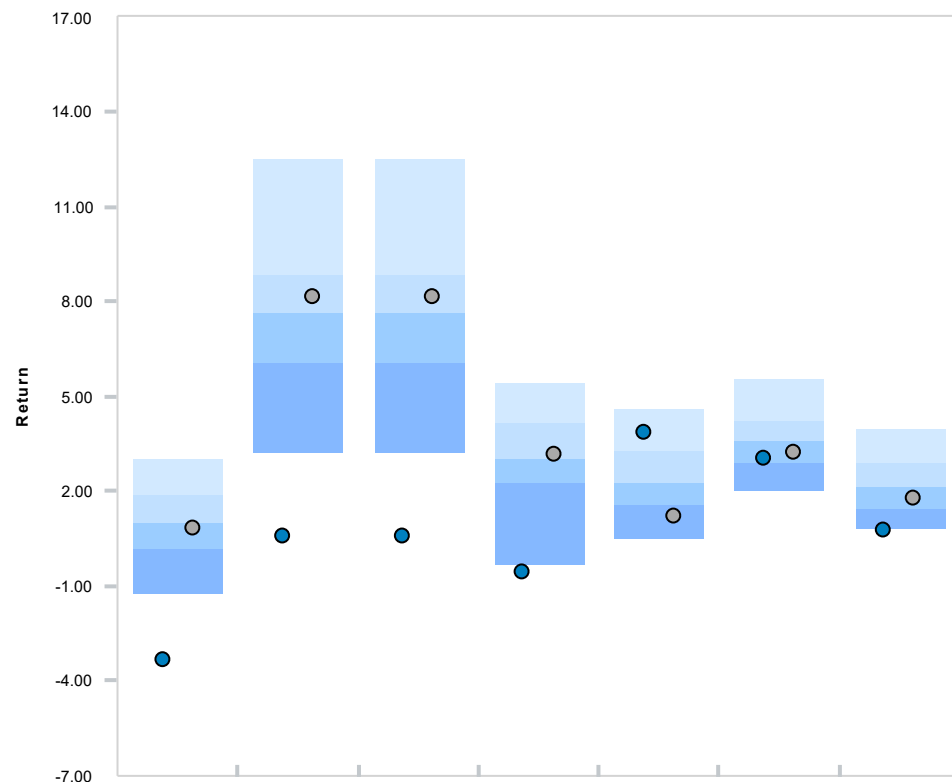
|                    | Tracking Error | Up Market Capture | Down Market Capture | Alpha | Information Ratio | Sharpe Ratio | Beta | Downside Risk |
|--------------------|----------------|-------------------|---------------------|-------|-------------------|--------------|------|---------------|
| Highland Fixed     | 0.46           | 99.78             | 95.59               | 0.29  | 0.25              | 0.50         | 0.94 | 1.83          |
| Total Fixed Policy | 0.00           | 100.00            | 100.00              | 0.00  | N/A               | 0.44         | 1.00 | 1.88          |

### Historical Statistics - 5 Years

|                    | Tracking Error | Up Market Capture | Down Market Capture | Alpha | Information Ratio | Sharpe Ratio | Beta | Downside Risk |
|--------------------|----------------|-------------------|---------------------|-------|-------------------|--------------|------|---------------|
| Highland Fixed     | 0.90           | 107.29            | 106.27              | 0.31  | 0.30              | 0.87         | 0.99 | 1.69          |
| Total Fixed Policy | 0.00           | 100.00            | 100.00              | 0.00  | N/A               | 0.81         | 1.00 | 1.61          |



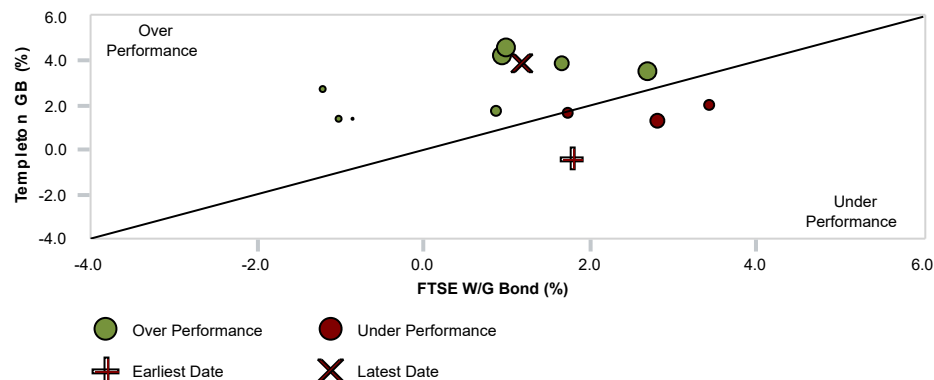
Plan Sponsor Peer Group Analysis - IM Global Fixed Income (MF)



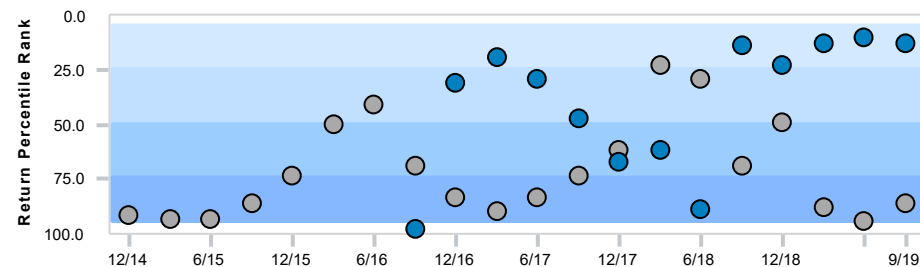
Comparative Performance

|                                    | 1 Qtr Ending Jun-2019 | 1 Qtr Ending Mar-2019 | 1 Qtr Ending Dec-2018 | 1 Qtr Ending Sep-2018 | 1 Qtr Ending Jun-2018 | 1 Qtr Ending Mar-2018 |
|------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Templeton GB                       | 0.77 (100)            | 1.98 (87)             | 1.23 (11)             | 1.47 (4)              | -2.57 (52)            | 1.36 (31)             |
| FTSE W/G Bond                      | 3.57 (38)             | 1.74 (89)             | 1.75 (10)             | -1.62 (97)            | -3.35 (64)            | 2.50 (5)              |
| IM Global Fixed Income (MF) Median | 3.37                  | 3.10                  | 0.35                  | -0.39                 | -2.29                 | 0.80                  |

### 3 Yr Rolling Under/Over Performance - 5 Years

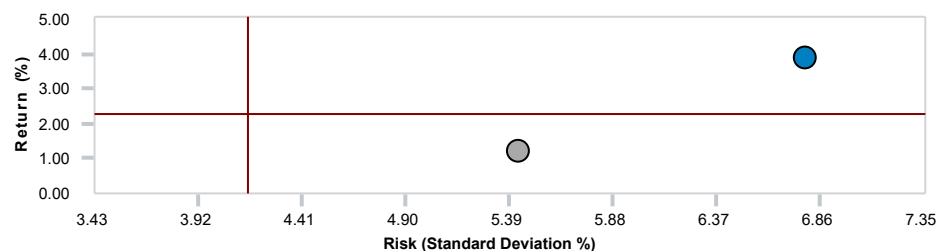


### 3 Yr Rolling Percentile Ranking - 5 Years



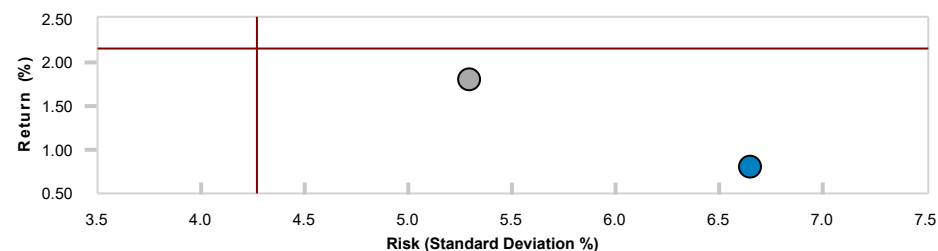
|               | Total Period | 5-25 Count | 25-Median Count | Median-75 Count | 75-95 Count |
|---------------|--------------|------------|-----------------|-----------------|-------------|
| Templeton GB  | 13           | 6 (46%)    | 3 (23%)         | 2 (15%)         | 2 (15%)     |
| FTSE W/G Bond | 20           | 1 (5%)     | 4 (20%)         | 5 (25%)         | 10 (50%)    |

### Peer Group Scattergram - 3 Years



|               | Return | Standard Deviation |
|---------------|--------|--------------------|
| Templeton GB  | 3.84   | 6.80               |
| FTSE W/G Bond | 1.19   | 5.44               |
| Median        | 2.29   | 4.16               |

### Peer Group Scattergram - 5 Years



|               | Return | Standard Deviation |
|---------------|--------|--------------------|
| Templeton GB  | 0.80   | 6.66               |
| FTSE W/G Bond | 1.80   | 5.30               |
| Median        | 2.16   | 4.27               |

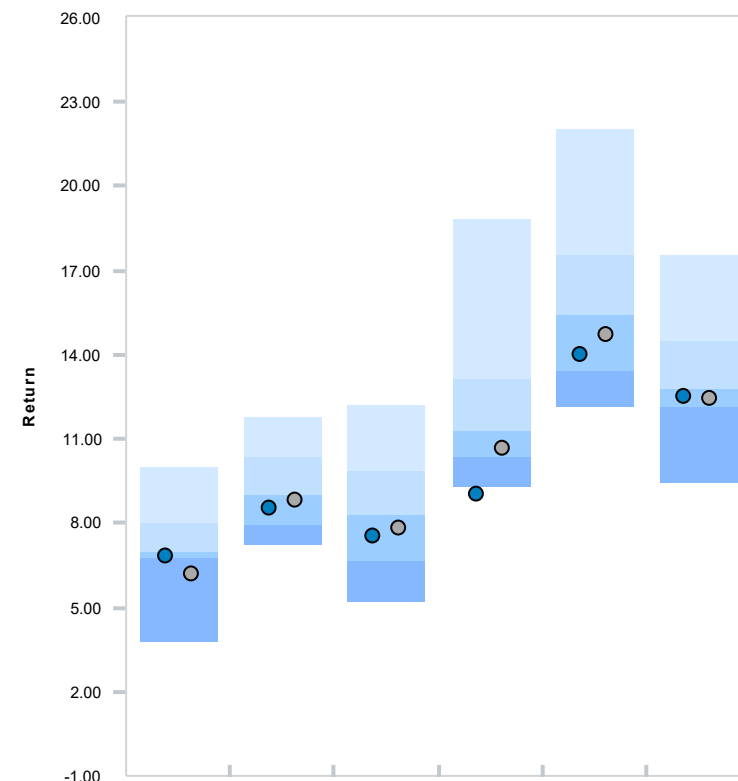
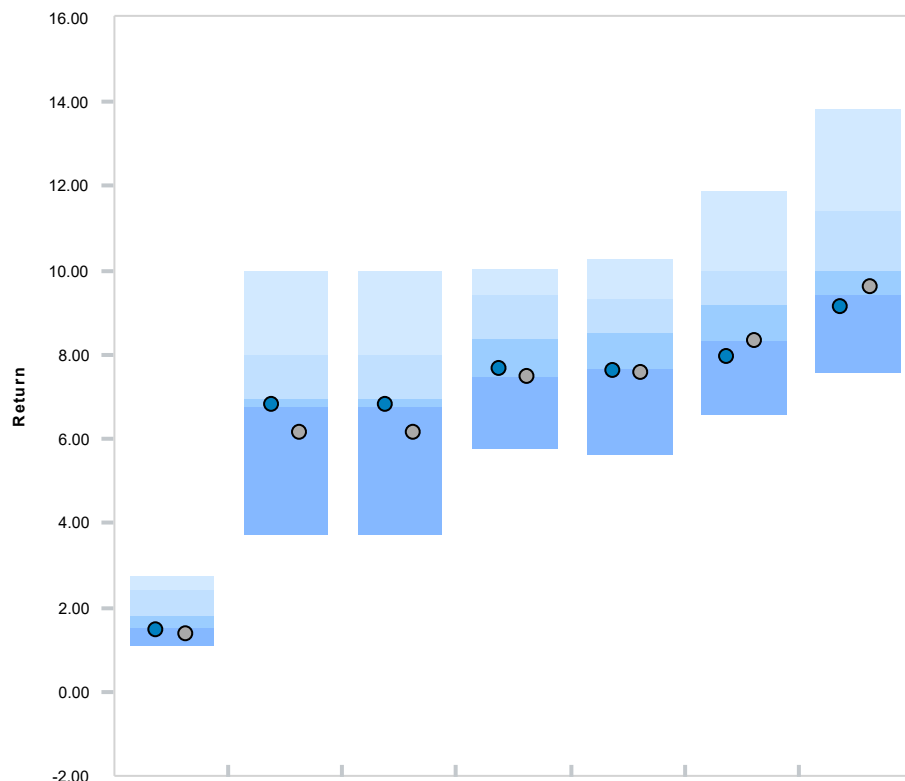
### Historical Statistics - 3 Years

|               | Tracking Error | Up Market Capture | Down Market Capture | Alpha | Information Ratio | Sharpe Ratio | Beta  | Downside Risk |
|---------------|----------------|-------------------|---------------------|-------|-------------------|--------------|-------|---------------|
| Templeton GB  | 10.21          | -9.89             | -70.15              | 4.75  | 0.26              | 0.36         | -0.48 | 4.55          |
| FTSE W/G Bond | 0.00           | 100.00            | 100.00              | 0.00  | N/A               | -0.04        | 1.00  | 3.94          |

### Historical Statistics - 5 Years

|               | Tracking Error | Up Market Capture | Down Market Capture | Alpha | Information Ratio | Sharpe Ratio | Beta  | Downside Risk |
|---------------|----------------|-------------------|---------------------|-------|-------------------|--------------|-------|---------------|
| Templeton GB  | 9.57           | -28.86            | -53.64              | 1.69  | -0.09             | 0.01         | -0.34 | 4.62          |
| FTSE W/G Bond | 0.00           | 100.00            | 100.00              | 0.00  | N/A               | 0.18         | 1.00  | 3.55          |

Plan Sponsor Peer Group Analysis - IM U.S. Open End Private Real Estate (SA+CF)

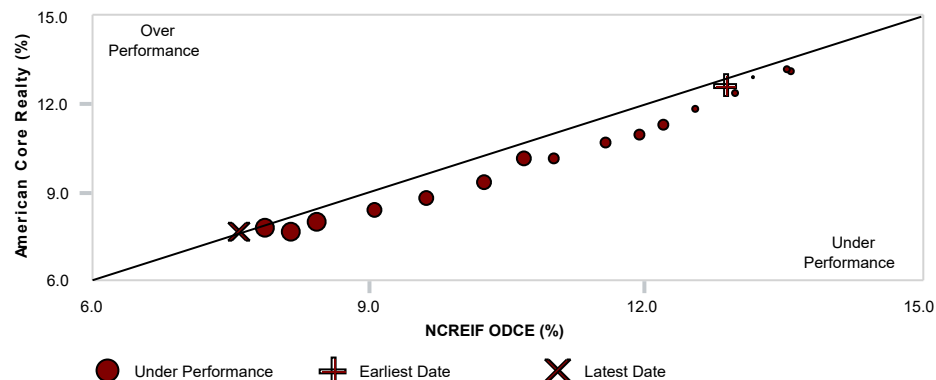


Comparative Performance

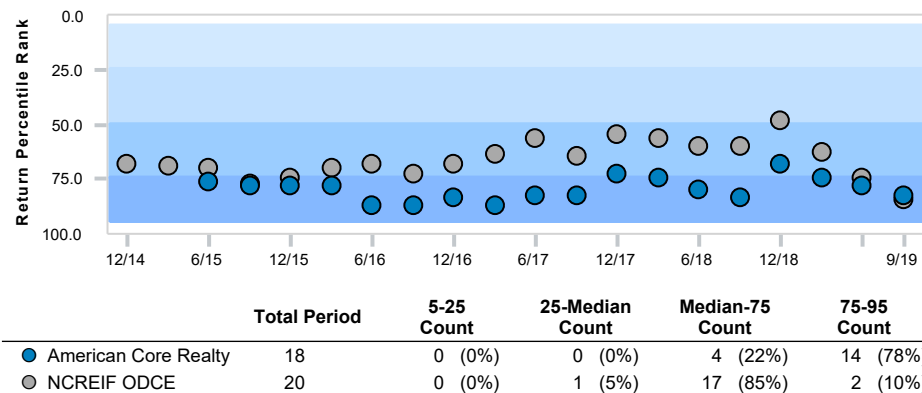
|   | 1 Qtr Ending Jun-2019 | 1 Qtr Ending Mar-2019 | 1 Qtr Ending Dec-2018 | 1 Qtr Ending Sep-2018 | 1 Qtr Ending Jun-2018 | 1 Qtr Ending Mar-2018 |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| American Core Realty                                | 1.53 (31)             | 1.74 (76)             | 1.94 (27)             | 2.19 (47)             | 2.09 (66)             | 2.23 (45)             |
| NCREIF ODCE   | 1.34 (66)             | 1.69 (81)             | 1.62 (62)             | 2.09 (54)             | 2.13 (61)             | 2.17 (55)             |
| IM U.S. Open End Private Real Estate (SA+CF) Median | 1.46                  | 1.99                  | 1.76                  | 2.10                  | 2.22                  | 2.21                  |



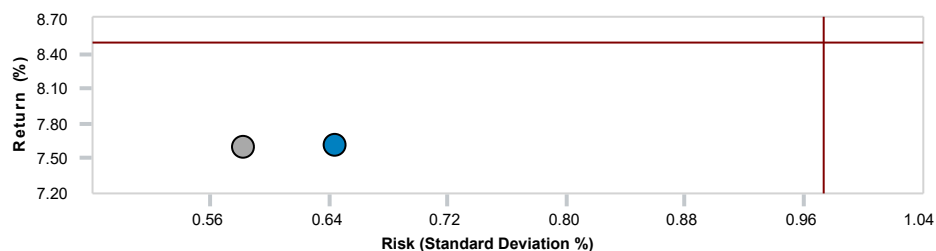
### 3 Yr Rolling Under/Over Performance - 5 Years



### 3 Yr Rolling Percentile Ranking - 5 Years

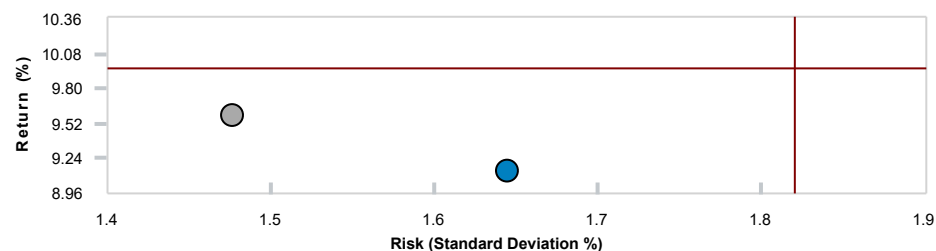


### Peer Group Scattergram - 3 Years



|                      | Return | Standard Deviation |
|----------------------|--------|--------------------|
| American Core Realty | 7.61   | 0.64               |
| NCREIF ODCE          | 7.59   | 0.58               |
| Median               | 8.49   | 0.97               |

### Peer Group Scattergram - 5 Years



|                      | Return | Standard Deviation |
|----------------------|--------|--------------------|
| American Core Realty | 9.14   | 1.64               |
| NCREIF ODCE          | 9.59   | 1.48               |
| Median               | 9.97   | 1.82               |

### Historical Statistics - 3 Years

|                      | Tracking Error | Up Market Capture | Down Market Capture | Alpha | Information Ratio | Sharpe Ratio | Beta | Downside Risk |
|----------------------|----------------|-------------------|---------------------|-------|-------------------|--------------|------|---------------|
| American Core Realty | 0.71           | 100.19            | N/A                 | 0.17  | 0.02              | 1.90         | 0.98 | 0.00          |
| NCREIF ODCE          | 0.00           | 100.00            | N/A                 | 0.00  | N/A               | 1.91         | 1.00 | 0.00          |

### Historical Statistics - 5 Years

|                      | Tracking Error | Up Market Capture | Down Market Capture | Alpha | Information Ratio | Sharpe Ratio | Beta | Downside Risk |
|----------------------|----------------|-------------------|---------------------|-------|-------------------|--------------|------|---------------|
| American Core Realty | 1.04           | 95.53             | N/A                 | 0.09  | -0.40             | 1.98         | 0.95 | 0.00          |
| NCREIF ODCE          | 0.00           | 100.00            | N/A                 | 0.00  | N/A               | 2.03         | 1.00 | 0.00          |



| Total Fund Compliance  |  | YES               | NO |     |                  |    |     |                  |    |     |                 |    |     |
|--|--|-------------------|----|-----|------------------|----|-----|------------------|----|-----|-----------------|----|-----|
| The total plan gross return equaled or exceeded the total plan benchmark over the trailing three year period.                        |  | X                 |    |     |                  |    |     |                  |    |     |                 |    |     |
| The total plan gross return equaled or exceeded the total plan benchmark over the trailing five year period.                         |  |                   | X  |     |                  |    |     |                  |    |     |                 |    |     |
| The total plan gross return ranked within the top 40th percentile of its peer group over the trailing three year period.             |  | X                 |    |     |                  |    |     |                  |    |     |                 |    |     |
| The total plan gross return ranked within the top 40th percentile of its peer group over the trailing five year period.              |  | X                 |    |     |                  |    |     |                  |    |     |                 |    |     |
| The total plan gross return equaled or exceeded the 7.5% actuarial earnings assumption over the trailing three year period.          |  | X                 |    |     |                  |    |     |                  |    |     |                 |    |     |
| The total plan gross return equaled or exceeded the 7.5% actuarial earnings assumption over the trailing five year period.           |  |                   | X  |     |                  |    |     |                  |    |     |                 |    |     |
| Equity Compliance  |  | YES               | NO |     |                  |    |     |                  |    |     |                 |    |     |
| The total equity returns meet or exceed the benchmark over the trailing three year period.   |  | X                 |    |     |                  |    |     |                  |    |     |                 |    |     |
| The total equity returns meet or exceed the benchmark over the trailing five year period.  |  | X                 |    |     |                  |    |     |                  |    |     |                 |    |     |
| The total equity returns ranked within the top 40th percentile of its peer group over the trailing three year period.                |  |                   | X  |     |                  |    |     |                  |    |     |                 |    |     |
| The total equity returns ranked within the top 40th percentile of its peer group over the trailing five year period.                 |  |                   | X  |     |                  |    |     |                  |    |     |                 |    |     |
| The total equity allocation was less than 70% of the total plan assets at market.  |  | X                 |    |     |                  |    |     |                  |    |     |                 |    |     |
| The total foreign equity was less than 25% of the total plan assets at market.   |  | X                 |    |     |                  |    |     |                  |    |     |                 |    |     |
| Fixed Income Compliance  |  | YES               | NO |     |                  |    |     |                  |    |     |                 |    |     |
| The total domestic fixed income returns meet or exceed the benchmark over the trailing three year period.                            |  | X                 |    |     |                  |    |     |                  |    |     |                 |    |     |
| The total domestic fixed income returns meet or exceed the benchmark over the trailing five year period.                             |  | X                 |    |     |                  |    |     |                  |    |     |                 |    |     |
| The total domestic fixed income returns ranked within the top 40th percentile of its peer group over the trailing three year period. |  |                   | X  |     |                  |    |     |                  |    |     |                 |    |     |
| The total domestic fixed income returns ranked within the top 40th percentile of its peer group over the trailing five year period.  |  |                   | X  |     |                  |    |     |                  |    |     |                 |    |     |
| The average weight of the fixed income portfolio was "AA" or better.   |  | X                 |    |     |                  |    |     |                  |    |     |                 |    |     |
| Manager Compliance   |  | Highland - Equity |    |     | Highland - Fixed |    |     | Templeton Global |    |     | American Realty |    |     |
|  |  | YES               | NO | N/A | YES              | NO | N/A | YES              | NO | N/A | YES             | NO | N/A |
| Manager outperformed the index over the trailing three and five year periods.  |  | X                 |    |     | X                |    |     |                  | X  |     |                 | X  |     |
| Manager ranked within the top 40th percentile over trailing three and five year periods.   |  |                   | X  |     |                  | X  |     |                  | X  |     |                 | X  |     |
| Less than four consecutive quarters of under performance relative to the benchmark.  |  | X                 |    |     | X                |    |     | X                |    |     | X               |    |     |
| Three and five year down-market capture ratio less than the index.   |  |                   | X  |     |                  | X  |     | X                |    |     |                 |    | X   |

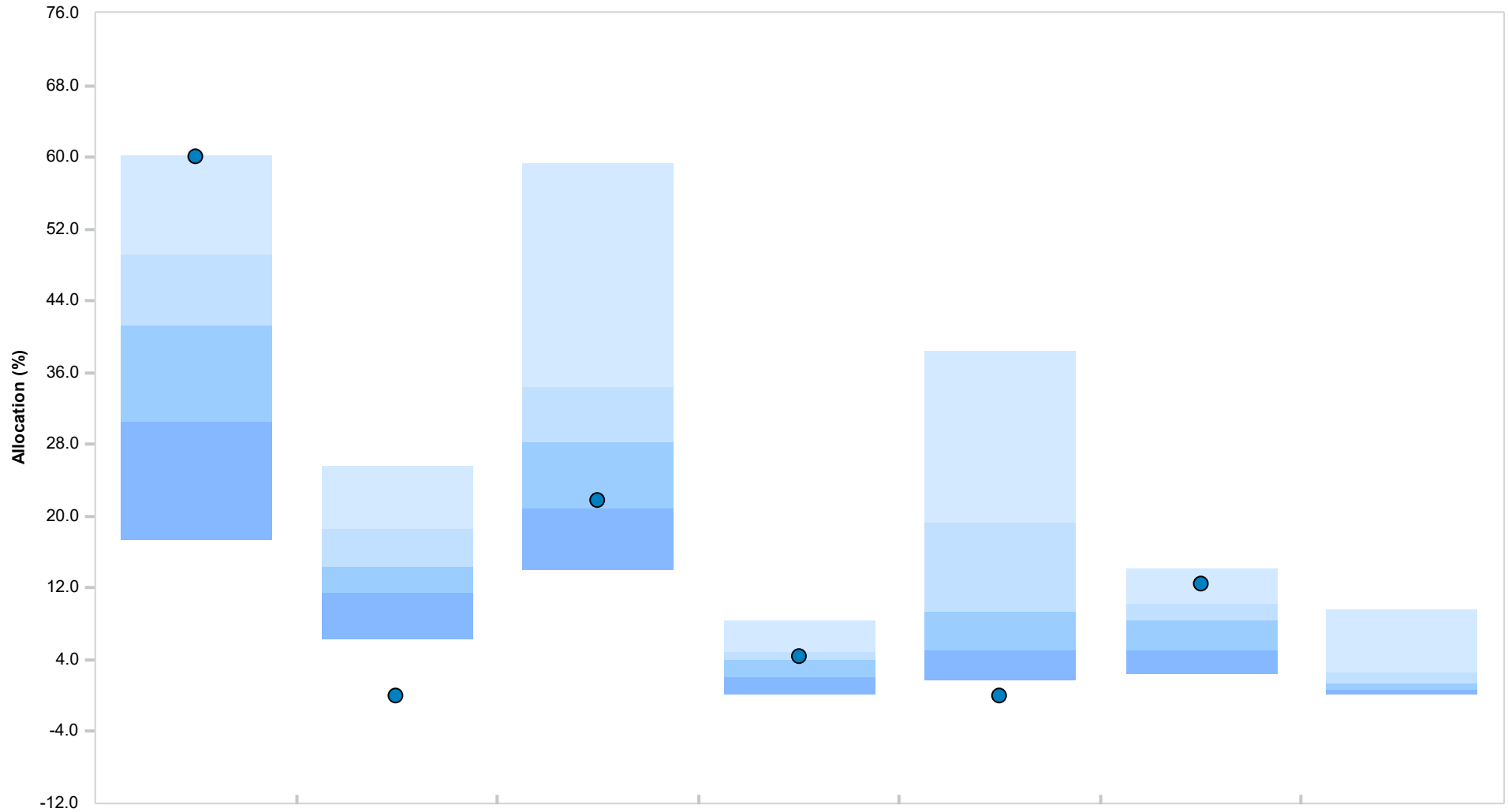
**Key West General Employees Pension Fund**

**Fee Analysis**

**As of September 30, 2019**

|                           | <b>Estimated<br/>Annual Fee<br/>(%)</b> | <b>Market Value<br/>(\$)</b> | <b>Estimated<br/>Annual Fee<br/>(\$)</b> | <b>Fee Schedule</b> |
|---------------------------|---|------------------------------|--|---------------------|
| Total Fund                | 0.50                                    | 57,447,027                   | 285,892                                  |                     |
| Highland Capital          | 0.40                                    | 47,823,693                   | 191,295                                  | 0.40 % of Assets    |
| American Core Realty Fund | 1.10                                    | 7,175,654                    | 78,932                                   | 1.10 % of Assets    |
| Templeton Global          | 0.64                                    | 2,447,681                    | 15,665                                   | 0.64 % of Assets    |
| Mutual Fund Cash          |   | -                            | -  |                     |

## 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 |
|-----------------|-----------|--------------|-----------------|--------------------|------------------|-------------|------|
| ● Total Fund    | 59.95 (6) | 0.00         | 21.80 (72)      | 4.26 (41)          | 0.00             | 12.49 (11)  | N/A  |
| 5th Percentile  | 60.23     | 25.59        | 59.31           | 8.45               | 38.43            | 14.15       | 9.61 |
| 1st Quartile    | 49.17     | 18.63        | 34.41           | 4.84               | 19.33            | 10.23       | 2.54 |
| Median          | 41.19     | 14.41        | 28.28           | 4.06               | 9.44             | 8.34        | 1.41 |
| 3rd Quartile    | 30.58     | 11.45        | 20.89           | 2.13               | 5.01             | 5.09        | 0.64 |
| 95th Percentile | 17.28     | 6.25         | 14.01           | 0.05               | 1.74             | 2.42        | 0.07 |

Parentheses contain percentile rankings.  
Calculation based on <Periodicity> periodicity.



**Total Fund Policy**

| Allocation Mandate | Weight (%) |
|--------------------|------------|
|--------------------|------------|

**Dec-1975**

|                              |       |
|------------------------------|-------|
| S&P 500 Index                | 50.00 |
| ICE BofAML Govt/ Corp Master | 50.00 |

**Oct-2004**

|                               |       |
|-------------------------------|-------|
| S&P 500 Index                 | 50.00 |
| ICE BofAML US Domestic Master | 40.00 |
| MSCI EAFE Index               | 10.00 |

**Jan-2014**

|  |       |
|--|-------|
| Russell 3000 Index                               | 45.00 |
| MSCI AC World ex USA                             | 15.00 |
| Blmbg. Barc. U.S. Aggregate Index                | 25.00 |
| FTSE World Government Bond Index                 | 5.00  |
| NCREIF Fund Index-Open End Diversified Core (EW) | 10.00 |

**Total Fixed Income Policy**

| Allocation Mandate | Weight (%) |
|--------------------|------------|
|--------------------|------------|

**Jan-1998**

|                              |        |
|------------------------------|--------|
| ICE BofAML Govt/ Corp Master | 100.00 |
|------------------------------|--------|

**Oct-2004**

|                               |        |
|-------------------------------|--------|
| ICE BofAML US Domestic Master | 100.00 |
|-------------------------------|--------|

**Jan-2014**

|                                   |        |
|-----------------------------------|--------|
| Blmbg. Barc. U.S. Aggregate Index | 100.00 |
|-----------------------------------|--------|

**Total Equity Policy**

| Allocation Mandate | Weight (%) |
|--------------------|------------|
|--------------------|------------|

**Jan-1998**

|               |        |
|---------------|--------|
| S&P 500 Index | 100.00 |
|---------------|--------|

**Oct-2004**

|                 |       |
|-----------------|-------|
| S&P 500 Index   | 85.00 |
| MSCI EAFE Index | 15.00 |

**Jan-2014**

|                      |       |
|----------------------|-------|
| Russell 3000 Index   | 75.00 |
| MSCI AC World ex USA | 25.00 |

|                                       |   |
|---------------------------------------|---|
| <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.   |

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