# Florida Municipal Pension Trust Fund – OPEB 60% Equity Allocation Executive Summary

As of September 30, 2018

#### **OPEB 60% Equity Allocation**

- Underperformance in the domestic large cap and international equity portfolios in the third quarter hindered the results for the 60% Equity Allocation as it slightly trailed the target index.
- This allocation posted strong absolute results over the past year (rising 7.6%), which lags the target index (up 8.5%), but ranks in the top 34<sup>th</sup> percentile of its peer group.
- Over the past 10 years, this allocation is up 7.8% on average annually. While this performance is slightly behind the target index, it ranks in the top 24<sup>th</sup> percentile of the peer group, with the risk controlled nature of many of the underlying strategies providing downside protection should the markets moderate.

### FMIvT Broad Market High Quality Bond Fund

- The Broad Market High Quality Bond Fund modestly trailed the BloomBar US Aggregate A+ benchmark in the third quarter. However, this strategy outperformed the benchmark by nearly 40 basis points while also ranking in the top 32<sup>nd</sup> percentile of its peer group of US Core Fixed Income managers over the past year.
- The fund has displayed a consistent pattern of performance, posting absolute returns of 2.9% on average annually over the past 10 years. This slightly trails the benchmark (up 3.4%), with the high quality focus providing a headwind, particularly over the past several years.
- The portfolio's conservative risk profile and high quality bias are in line with the objectives for this fund. This bias has rewarded investors in the form of a more favorable relative risk-adjusted return comparison over the long-term.

## **FMIvT Core Plus Fixed Income Fund**

- The Core Plus Fixed Income Fund outperformed the BloomBar Multiverse by nearly 130 basis points in the third quarter while also ranking in the 41<sup>st</sup> percentile of its peer group of Global Unconstrained Fixed Income managers.
- In the 4 years since inception, the Core Plus Fixed Income Fund has posted absolute returns of 2.1% on average annually, outperforming the benchmark (up 0.8%) by over 120 basis points.
- The Core Plus Fixed Income Fund was added to the FMIvT lineup in April 2014 to provide broad global fixed income exposure, through equal allocation to two strategies (Amundi Pioneer Multi-Sector Fixed Income Fund and the Franklin Templeton Global Multi-Sector Plus Fund).

# Florida Municipal Pension Trust Fund – OPEB 60% Equity Allocation Executive Summary

As of September 30, 2018

#### FMIvT Diversified Large Cap Equity Portfolio

- The Diversified Large Cap Equity Portfolio was created in October 2017. The fund is allocated 60% to the Intech US Broad Enhanced Plus Fund, and 20% each to the Hotchkis & Wiley Diversified Value Fund and the Atlanta Capital High Quality Growth Fund. This fund provides investors with exposure to core, value, and growth opportunities within the US large cap equity space.
- This strategy struggled to match the Russell 1000 in the third quarter, rising 6.6% compared to 7.4% for the benchmark due to the challenging results for the core and value strategies. However, this fund has posted a 9.7% return year to date, ranking in the top 40<sup>th</sup> percentile of its peer universe of US large cap core managers.

#### FMIvT Diversified Small to Mid Cap Equity Fund

- This strategy rebounded from a difficult second quarter and achieved the strongest third quarter absolute return results of all funds in the FMIvT lineup, while also outperforming the SMID Benchmark by over 340 basis points.
- This strategy has generated very strong results over the past 10 years, rising 15.4% on average annually compared with 11.5% for the benchmark. Furthermore, the fund ranked in the top 9<sup>th</sup> percentile of its peer group, with a more modest risk profile and very strong risk-adjusted returns.

#### FMIvT International Equity Portfolio

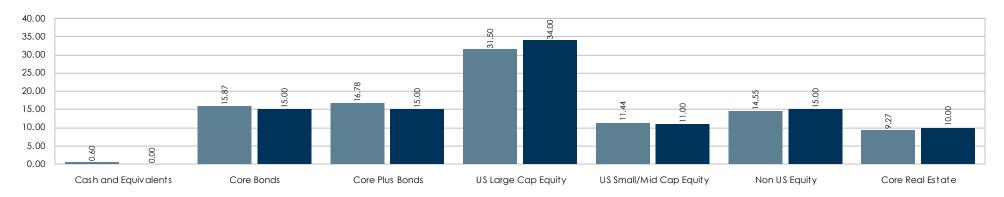
- In October 2017, a ten percent allocation to emerging markets (Wells Capital Berkeley Street Emerging Markets Fund) was added to this portfolio.
- The portfolio modestly lagged the MSCI ACWI ex US in the third quarter (0.2% vs 0.8%) with an overweight position in the underperforming China market providing a headwind.
- This portfolio failed to keep up with the international markets over the past 3 years, but has posted strong absolute returns over that time period (up 7.9% on average annually).
- This strategy is intended to provide strong diversification across the broad spectrum of equity markets outside the US, with exposure to both developed and emerging markets.

## **FMIvT Core Real Estate Portfolio**

- This fund was added to the FMIvT early this year with the objective to provide broad exposure to the core real estate markets.
- In June 2018, the manager (Morgan Stanley Prime Property Fund) called down an additional commitment of \$75 million which increases the total commitment thus far to \$100 million.
- The FMIvT Core Real Estate Portfolio (up 1.9%) matched the performance of the NFI ODCE Net benchmark (up 1.9%) in the third quarter.

# **Total Portfolio**

For the Period Ending September 30, 2018

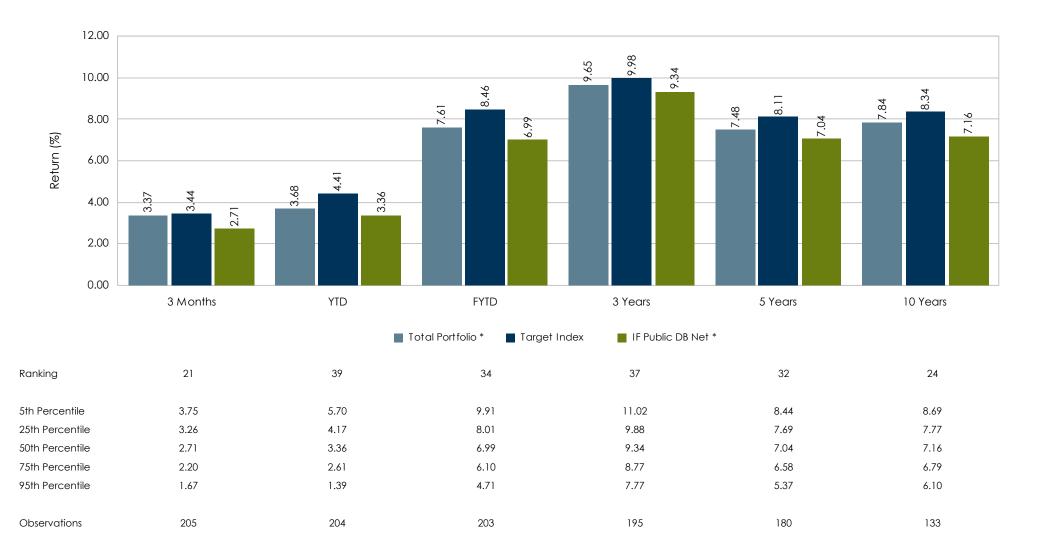


| get Allocation |
|----------------|
|                |

|                         | Market<br>Value (\$000s) | Actual<br>Allocation (%) | Target<br>Allocation (%) | Over/Under<br>Target (%) |
|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Total Portfolio         | 38,701                   | 100.00                   | 100.00                   |                          |
| Cash and Equivalents    | 231                      | 0.60                     | 0.00                     | 0.60                     |
| Fixed Income            | 12,634                   | 32.65                    | 30.00                    | 2.65                     |
| Core Bonds              | 6,141                    | 15.87                    | 15.00                    | 0.87                     |
| Core Plus Bonds         | 6,493                    | 16.78                    | 15.00                    | 1.78                     |
| Equity                  | 22,247                   | 57.48                    | 60.00                    | -2.52                    |
| US Equity               | 16,616                   | 42.94                    | 45.00                    | -2.06                    |
| US Large Cap Equity     | 12,189                   | 31.50                    | 34.00                    | -2.50                    |
| US Small/Mid Cap Equity | 4,427                    | 11.44                    | 11.00                    | 0.44                     |
| Non US Equity           | 5,630                    | 14.55                    | 15.00                    | -0.45                    |
| Core Real Estate        | 3,589                    | 9.27                     | 10.00                    | -0.73                    |

**Total Portfolio** 

For the Periods Ending September 30, 2018

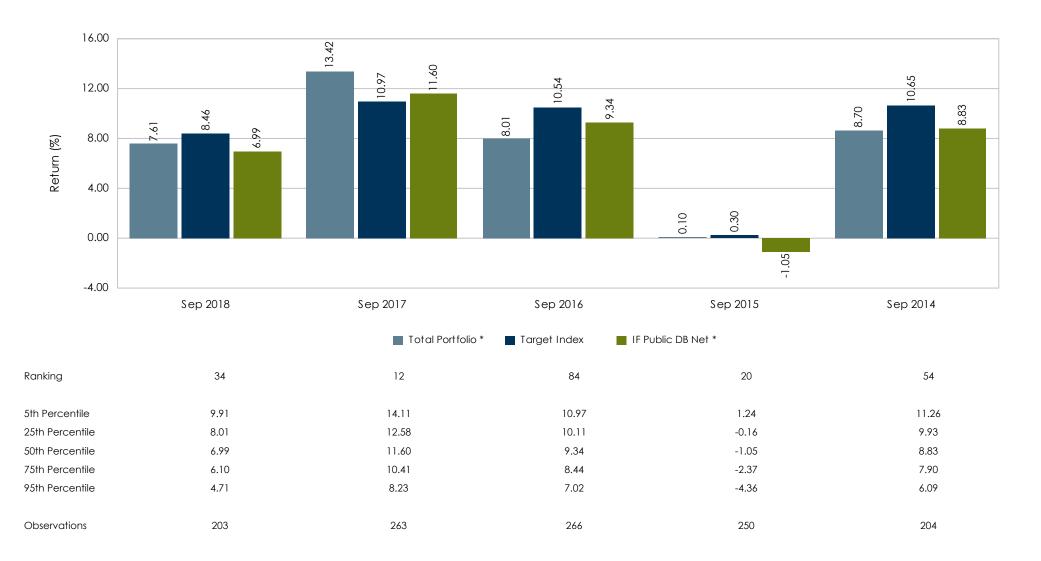


The rankings represent the portfolio's returns versus a peer universe. The rankings are on a scale of 1 to 100 with 1 being the best.

<sup>\*</sup> Performance is calculated using net of fee returns.
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**Total Portfolio** 

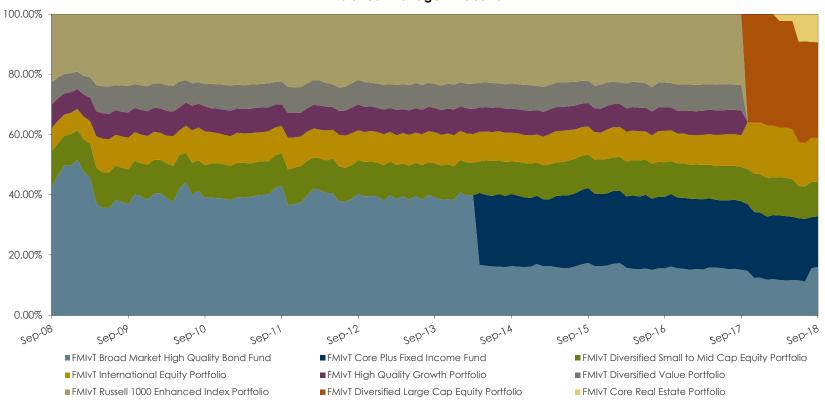
For the One Year Periods Ending September



The rankings represent the portfolio's returns versus a peer universe. The rankings are on a scale of 1 to 100 with 1 being the best.

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Total Portfolio
Historical Manager Allocation



November 2007: Initial allocation to Broad Market HQ Bond, HQ Growth Equity, Large Cap Value, Russell 1000, Small Cap, and International. April 2014: Added Core Plus Fixed Income.

October 2017: FMIvT Diversified Large Cap Equity Portfolio was created, which combines the large cap core, value, and growth portfolios.

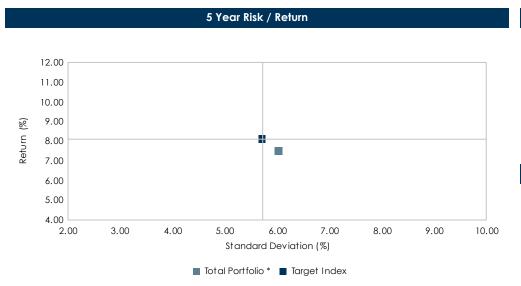
# Performance vs. Objectives

For the Periods Ending September 30, 2018

|   | Benchmark<br>(%) | Rank | Total<br>Portfolio<br>(%) | Rank | Objective<br>Met? |
|---|------------------|------|---------------------------|------|-------------------|
|   |                  |      | 5 Years                   |      |                   |
| ■ The Total Portfolio's annualized total return should exceed the total return of the Target Index.                             | 8.11             |      | 7.48                      |      | No                |
| The Total Portfolio's annualized total return should rank at median or above when compared<br>to the IF Public DB Net universe. | 7.04             | 50th | 7.48                      | 32nd | Yes               |

# **Total Portfolio**

For the Periods Ending September 30, 2018



|                        | Total       |              |
|------------------------|-------------|--------------|
|                        | Portfolio * | Target Index |
| Return (%)             | 7.48        | 8.11         |
| Standard Deviation (%) | 6.02        | 5.71         |
| Sharpe Ratio           | 1.17        | 1.34         |

| Benchmark Relative Statistics |        |  |  |  |  |
|-------------------------------|--------|--|--|--|--|
|                               |        |  |  |  |  |
| Beta                          | 1.03   |  |  |  |  |
| Up Capture (%)                | 98.77  |  |  |  |  |
| Down Capture (%)              | 108.85 |  |  |  |  |
|                               |        |  |  |  |  |

5 Year Portfolio Statistics



| 5 Year Return Analysis |  |
|------------------------|--|
|                        |  |

|                            | Total       |              |
|----------------------------|-------------|--------------|
|                            | Portfolio * | Target Index |
| Number of Months           | 60          | 60           |
| Highest Monthly Return (%) | 4.79        | 4.69         |
| Lowest Monthly Return (%)  | -4.07       | -3.80        |
| Number of Positive Months  | 40          | 46           |
| Number of Negative Months  | 20          | 14           |
| % of Positive Months       | 66.67       | 76.67        |

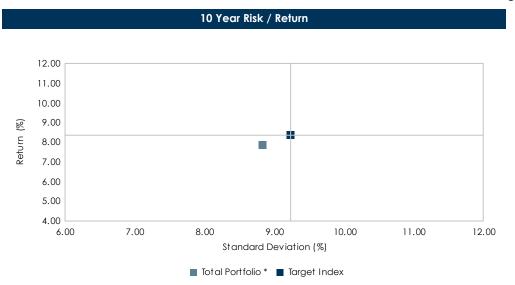
<sup>\*</sup> Performance is calculated using net of fee returns.

Statistics are calculated using monthly return data.

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## **Total Portfolio**

For the Periods Ending September 30, 2018



|                        | Total<br>Portfolio * | Target Index |
|------------------------|----------------------|--------------|
| Return (%)             | 7.84                 | 8.34         |
| Standard Deviation (%) | 8.83                 | 9.23         |
| Sharpe Ratio           | 0.86                 | 0.87         |

|                  | Delicilitary Relative Statistics |
|------------------|----------------------------------|
|                  |                                  |
| Beta             | 0.95                             |
| Up Capture (%)   | 94.53                            |
| Down Capture (%) | 96.43                            |

### \$2.40 \$2.20 \$2.00 \$1.80 \$1.60 \$1.40 \$1.20 \$1.00 \$0.80 \$0.60 M ar-08 Dec-09 Sep-11 Jun-13 Dec-16 M ar-15 Sep-18 —Total Portfolio \* — Target Index

10 Year Growth of a Dollar

## 10 Year Return Analysis

10 Year Portfolio Statistics

|                            | Total<br>Portfolio * | Target Index |
|----------------------------|----------------------|--------------|
| Number of Months           | 120                  | 120          |
| Highest Monthly Return (%) | 6.99                 | 6.92         |
| Lowest Monthly Return (%)  | -10.68               | -11.80       |
| Number of Positive Months  | 81                   | 85           |
| Number of Negative Months  | 39                   | 35           |
| % of Positive Months       | 67.50                | 70.83        |

<sup>\*</sup> Performance is calculated using net of fee returns.

Statistics are calculated using monthly return data.

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# **Rates of Return Summary**

For the Periods Ending September 30, 2018

|   | Market         | Actual         | 3 Months | YTD   | FYTD  | 3 Years | 5 Years | 10 Years<br>(%) |
|---|----------------|----------------|----------|-------|-------|---------|---------|-----------------|
| Total DayMalia *1                               | Value (\$000s) | Allocation (%) | (%)      | (%)   | (%)   | (%)     | (%)     |                 |
| Total Portfolio * 1                             | 38,701         | 100.00         | 3.37     | 3.68  | 7.61  | 9.65    | 7.48    | 7.84            |
| Target Index <sup>2</sup>                       |                |                | 3.44     | 4.41  | 8.46  | 9.98    | 8.11    | 8.34            |
| Cash and Equivalents                            | 231            | 0.60           |          |       |       |         |         |                 |
| Cash & Equivalents *                            | 231            | 0.60           | 0.00     | 0.00  | 0.00  | 0.00    | 0.00    |                 |
| US T-Bills 90 Day                               |                |                | 0.49     | 1.30  | 1.58  | 0.84    | 0.52    | 0.34            |
| Fixed Income                                    | 12,634         | 32.65          |          |       |       |         |         |                 |
| Core Bonds                                      | 6,141          | 15.87          |          |       |       |         |         |                 |
| FMIvT Broad Market High Quality Bond Fund *     | 6,141          | 15.87          | -0.30    | -1.09 | -0.91 | 0.57    | 1.46    | 2.85            |
| BloomBar US Aggregate A+                        |                |                | -0.18    | -1.53 | -1.28 | 0.90    | 1.90    | 3.44            |
| Core Plus Bonds                                 | 6,493          | 16.78          |          |       |       |         |         |                 |
| FMIvT Core Plus Fixed Income Fund *             | 6,493          | 16.78          | 0.49     | -1.78 | -2.04 | 3.48    |         |                 |
| BloomBar Multiverse                             |                |                | -0.80    | -2.36 | -1.32 | 2.34    | 0.94    | 3.12            |
| Equity  | 22,247         | 57.48          |          |       |       |         |         |                 |
| US Equity                                       | 16,616         | 42.94          |          |       |       |         |         |                 |
| US Large Cap Equity * 3                         | 12,189         | 31.50          | 6.55     | 9.67  | 15.62 | 15.25   | 12.65   | 11.60           |
| S&P 500   |                |                | 7.71     | 10.56 | 17.91 | 17.31   | 13.95   | 11.97           |
| FMIvT Diversified Large Cap Equity Portfolio *  | 12,189         | 31.50          | 6.55     | 9.71  | 15.70 |         |         |                 |
| Russell 1000                                    |                |                | 7.42     | 10.49 | 17.76 | 17.07   | 13.67   | 12.09           |
| US Small/Mid Cap Equity                         |                |                |          |       |       |         |         |                 |
| FMIvT Diversified SMID Cap Equity Portfolio * 4 | 4,427          | 11.44          | 8.18     | 13.63 | 24.15 | 19.85   | 15.09   | 15.36           |
| SMID Benchmark <sup>5</sup>                     |                |                | 4.70     | 10.41 | 16.19 | 16.13   | 11.37   | 11.47           |

FYTD: Fiscal year ending September.

<sup>\*</sup> Net of fee return data.

# **Rates of Return Summary**

For the Periods Ending September 30, 2018

|  | Market<br>Value (\$000s) | Actual<br>Allocation (%) | 3 Months<br>(%) | YTD<br>(%) | FYTD<br>(%) | 3 Years<br>(%) | 5 Years<br>(%) | 10 Years<br>(%) |
|--|--------------------------|--------------------------|-----------------|------------|-------------|----------------|----------------|-----------------|
| Non-US Equity                            |                          |                          |                 |            |             |                |                |                 |
| FMIvT International Equity Portfolio * 6 | 5,630                    | 14.55                    | 0.23            | -4.45      | 0.26        | 7.88           | 3.13           | 2.30            |
| MSCI ACWI ex US                          | S                        |                          | 0.80            | -2.67      | 2.25        | 10.49          | 4.60           | 5.67            |
| Core Real Estate                         | 3,589                    | 9.27                     |                 |            |             |                |                |                 |
| FMIvT Core Real Estate Portfolio *       | 3,589                    | 9.27                     | 1.88            |            |             |                |                |                 |
| NFI ODCE Ne                              | t                        |                          | 1.87            | 5.76       | 7.71        | 7.83           | 9.71           | 4.62            |

#### Notes:

<sup>&</sup>lt;sup>1</sup> Market values and Total Portfolio performance includes all fees and expenses. Beginning July 2008 and ending September 2010, the net of fee performance includes the impact of securities lending activity, which may increase or decrease the total expenses of the portfolio.

<sup>&</sup>lt;sup>2</sup> Target Index: Effective October 2017, the index consists of 30.0% BloomBar US Aggregate, 34.0% S&P 500, 11.0% Russell 2500, 15.0% MSCI ACWI ex US, 10.0% NFI ODCE Net.

<sup>&</sup>lt;sup>3</sup> Represents the FMPTF Large Cap Equity Composite net of fees returns.

<sup>&</sup>lt;sup>4</sup> Custom Index consists of the Russell 2500 beginning June 1, 2010, and prior to that the Russell 2000.

<sup>&</sup>lt;sup>5</sup> SMID Benchmark: Effective June 2010, the index consists of 100% Russell 2500.

<sup>&</sup>lt;sup>6</sup> Wells Capital EM was added to the portfolio in October 2017. Portfolio renamed and manager changed in October 2014 and April 2011.

## **Global Long-Only Equity**

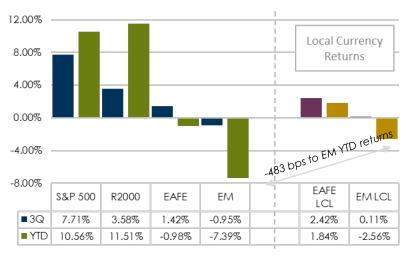
**Domestic Equities reached new highs** in 3Q-18, while non-US markets continue to lag, particularly Emerging Markets.

US Large Caps led this quarter with an advance of 7.7%. Small Caps continued to trend higher but with a decelerated pace, albeit continuing to lead on a full-year basis. Reported and expected earnings have benefited from a **healthy economic backdrop** strengthened by tax cuts, more favorable repatriation dynamics, increasing wages, strong employment, and rising consumer sentiment. This has led to the **rally being concentrated in higher growth areas** such as Information Technology and Health Care.

Non-US markets, primarily Emerging Markets, were negatively impacted by weakness in both Consumer Discretionary and Technology sectors. Energy was a bright spot in both developed and emerging economies. **Global desynchronization was most apparent in China**, which accounts for approximately 30% of the EM benchmark and is one of the main targets of the Trump administration's trade actions. China was down almost 7% in the quarter, driven by weakness in large-cap IT names such as Tencent and Alibaba.

The strengthening US dollar once again negatively impacted non-US returns in the quarter. Year-to-date, US-based returns have been meaningfully impacted by US dollar strength, with local currency returns reduced by 483 bps (EM) and 282 bps (EAFE).

### Non-US Markets Impacted by Strong Dollar & Trade Wars



Sources: Bloomberg, FactSet, ACG Research

# **Global Long/Short Equity**

## S&P Priced in Units of VIX (volatility)



Sources: Bloomberg, ACG Research

After a volatile start to the year, **muted volatility** and investor complacency **has returned** as the global indices continued their march to once again mark historic highs in September. **Net exposure** for managers, after hitting a peak in March, has continued to track downward and **reached year-to-date lows** in September. Concerns about the macro environment (trade wars, mid-term elections and Brexit) as well as being in the late innings of the market cycle, have been factors in the reduced exposure of portfolios. We anticipate these events may lead to increased volatility, which should provide opportunities for managers to generate returns on both the long and the short side of their investments. For this reason the gross exposure of managers has not decreased with the net but remains high at above the 90<sup>th</sup> percentile rank since 2010.

The likelihood of continued interest rate increases should have a positive impact on equity long/short managers as they finally start to earn rebates on their short portfolios.

The outlook for **event driven** strategies continues to be **positive** as M&A activity appears to be on pace for a record year. Announced mergers are at \$3.3 trillion year-to-date with the tailwind from tax cuts and cash repatriation. Organic growth for companies is hard to come by, margins are near peak levels, and stock buybacks are not a good strategy at current equity valuation levels, so companies will look externally for growth.

Technology remains a key area of interest as the sector has been a major contributor to returns and there continues to be a large amount of dispersion between winners and losers. This creates a **positive opportunity set for equity long/short stock pickers**.

# **Global Private Equity**

Much like public markets, valuations remain high for new deals in private markets, though valuations have slightly moderated relative to recent history. The median acquisition price for a private equity-backed company purchased in 2Q-18 was 9.8x EBITDA, down from 2017's all time high of 10.7x but still above the prior 2007 peak of 9.7x. We will continue to watch pricing trends as time will tell if this drop represents a rationalization in purchase price multiples or a short-term deviation from the past few years' trend. Rising interest rates combined with the possibility of slowing economic growth continue to pose risks to private equity-backed companies.

Private equity-backed companies are remaining private for longer, both from extended holding periods and an increasing trend of private equity funds exiting their investments through a sale to another private equity fund, also known as a secondary buyout ("SBO"). Several firms, including Blackstone and CVC, have recently raised private equity funds with 15+ year terms intended to hold investments for much longer than the traditional 3-5-year hold period. Year-to-date in the US, more private companies have been sold to another private equity sponsor than any other type of exit transaction.

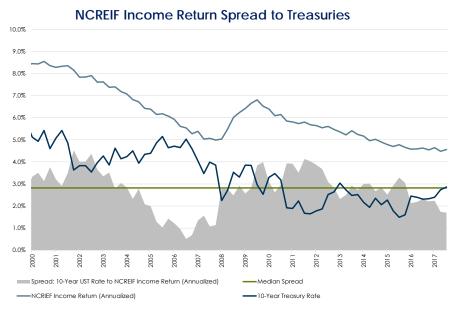
High purchase prices today are likely to translate into lower returns for select vintages going forward. The best managers recognize that high multiples are unlikely to continue indefinitely and that patience and asset selection is key to driving strong investment outcomes in this environment.

## SBOs Become Increasingly Common



Sources: Pitchbook, ACG Research

#### **Global Real Assets**



Sources: NCREIF, ACG Research

US real estate assets continue to benefit from a solid economic outlook and generally low new supply. The NCREIF Property Index is expected to post its 34th consecutive quarter of positive appreciation in 3Q-18. This is 12 quarters longer than the second longest winning streak since the benchmark's inception in 1978. In 2Q-18, NCREIF annualized income returns (a proxy for cap rates) decreased 16 bps to end at 4.48%. As interest rates continue to rise, the spread between NCREIF income returns and the 10-year US Treasury yield ended the quarter at 170 bps, approximately 110 bps tighter than the median spread since 2000.

Though there have been no significant impacts to real estate valuations so far, the potential for higher interest rates could put upward pressure on cap rates and lower future core real estate returns. Real estate market fundamentals remain relatively solid, with no imminent signs of a dramatic imbalance between supply and demand outside of the long-challenged retail sector. Given the potential for rising cap rates and the length of the current economic cycle, core real estate funds focused on income may outperform those focused on generating appreciation in the intermediate term.

Down slightly more than 2.0% during the quarter, the Bloomberg Commodity Index (BCOM) underperformed the Bloomberg Barclays US Aggregate Bond Index by 2.0% and underperformed the S&P 500 and MSCI ACWI by 9.7% and 6.4%, respectively. Signs of rising inflation may be positive for commodities broadly, though ongoing uncertainty about international trade policy, the strength of the US dollar, and sanctions may drive further volatility in the near term.

### **Global Traditional Bond Markets**

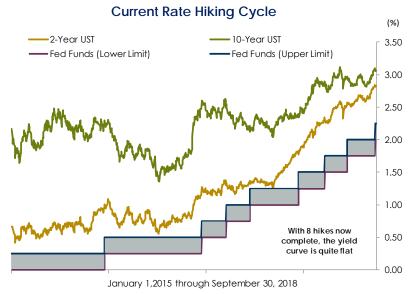
Navigating the fixed income landscape remained challenging in 3Q-18. Signs of strength in the domestic economy allowed the **Federal Reserve** to continue down its seemingly predictable path, with another 25 bps hike in late-September. Policymakers also confirmed forecasts suggesting four more rate hikes by the end of 2019. **US Treasury yields trended persistently higher** throughout the quarter, essentially passing through tighter financial conditions while discounting the ongoing uncertainty associated with global trade. The US yield curve continued its multi-year flattening trend, as front-end rates were most reactive.

The **BloomBar Aggregate** managed to produce flat results. Despite harmful rate sensitivity for government-related issues, the varied spread sectors outperformed. IG corporates led the way, with credit spreads tightening back across the quality spectrum. The tug-of-war between rates and spreads resulted in the benchmark's yield-to-worst moving up to 3.5%.

**High Yield** supply has been relatively low, while demand remains strong given limited concern of near-term default. Index-level spreads tightened by 47 bps during 3Q-18, establishing fresh 10-year lows. Floating-rate bank loans are thriving in this environment.

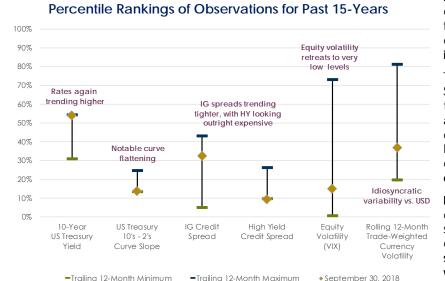
**Municipal Bonds** suffered a modest loss, underperforming taxable counterparts as rates moved higher. Richly priced short-term issues began to lag late in the quarter, flattening the tax-exempt yield curve. High quality bonds continued to underperform riskier credits.

**Unhedged Global** government bonds underperformed as the US dollar's ongoing strength weighed on returns. **Emerging Market** returns remained quite volatile month-to-month.



Sources: Bloomberg, ACG Research

#### **Global Nontraditional Fixed Income**



Sources: Bloomberg, ACG Research

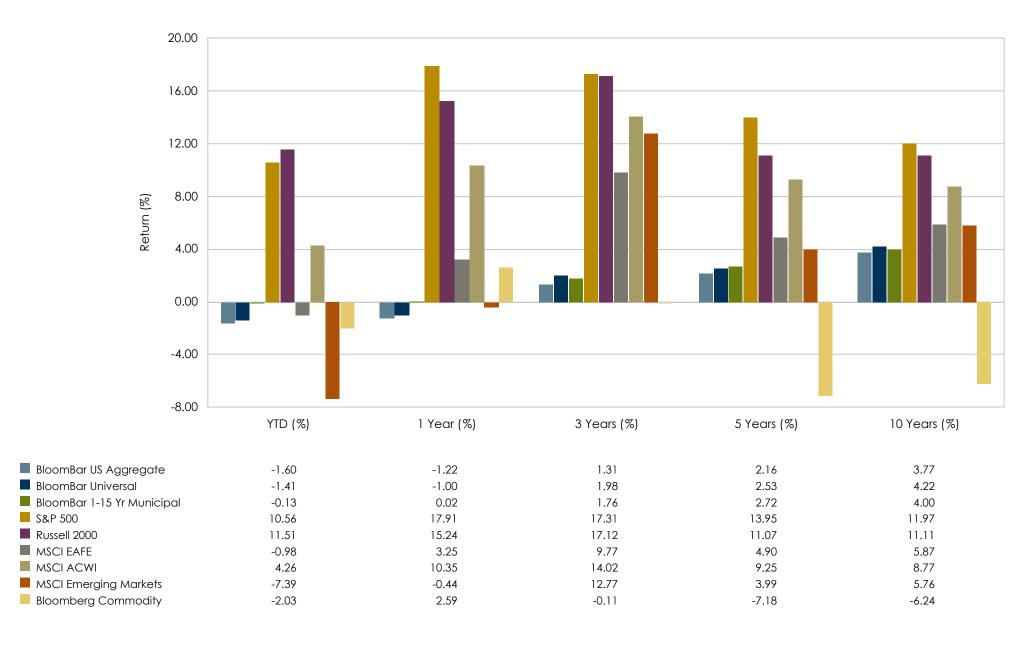
**Liquid Absolute Return** strategies produced positive results in 3Q-18, and the group remains comfortably ahead of traditional bond benchmarks year-to-date. The diversification of risk factors within portfolios remains valuable, as this aids in downside protection and reduces key correlations. Achieving full-cycle alpha objectives remains challenging, but **enhanced volatility in rates**, **spreads**, **and currency should provide opportunities** to outperform risk-free cash.

Tightening corporate credit spreads provided a **tailwind for credit hedge funds** in 3Q-18. Sentiment varies, but many hedge fund managers have been reluctant to aggressively de-risk their portfolios, preferring a middle ground approach of **incrementally increasing credit quality and liquidity while maintaining exposure levels**. Relative-value trades and IG tactical trading activities have also provided an avenue for managers looking for less correlated allocations. Despite the pressure to maintain upside participation in the extending bull market, we believe credit hedge funds are **still situated to provide protection relative to their long-only credit counterparts** in a downturn.

Private Credit strategies (typically 5- to 10-year fund life) offer the opportunity to earn both a credit spread and an illiquidity premium versus publicly traded fixed income strategies. Fundraising in the sector remains strong. Through August, Preqin reports 88 private debt funds held a final close on \$89.6 billion of commitments for 2018. Competition spurred by sustained investor demand in the face of persistently low default rates, along with steadily worsening loan covenant quality, may drive more severe losses in a credit downturn. We expect the ever extending credit cycle will eventually provide opportunity for some (primarily distress-focused managers) and insight into the underwriting skill level of others.

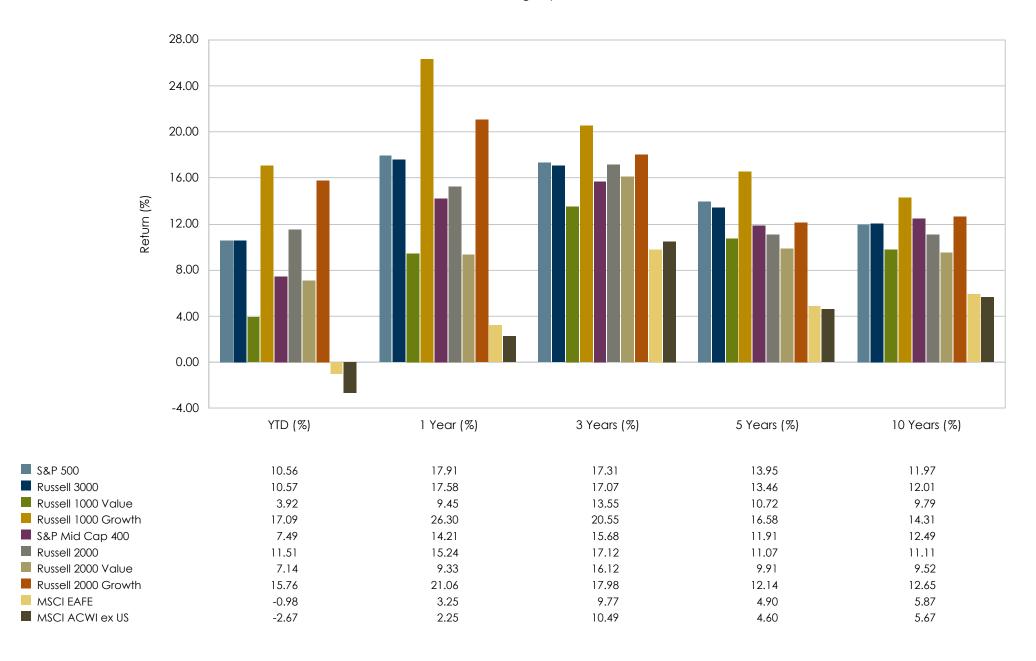
**Market Environment** 

For the Periods Ending September 30, 2018



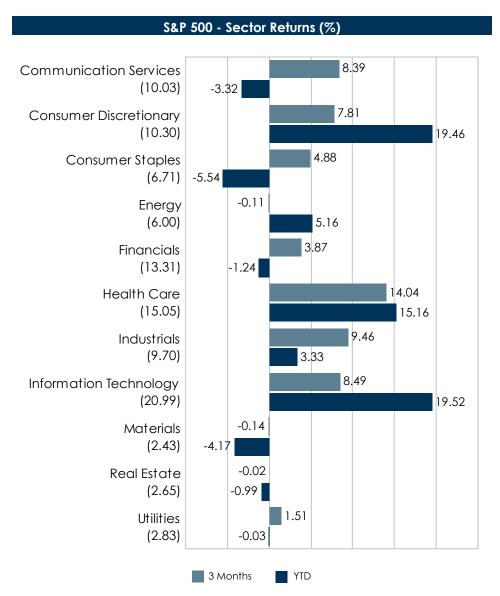
# **Equity Index Returns**

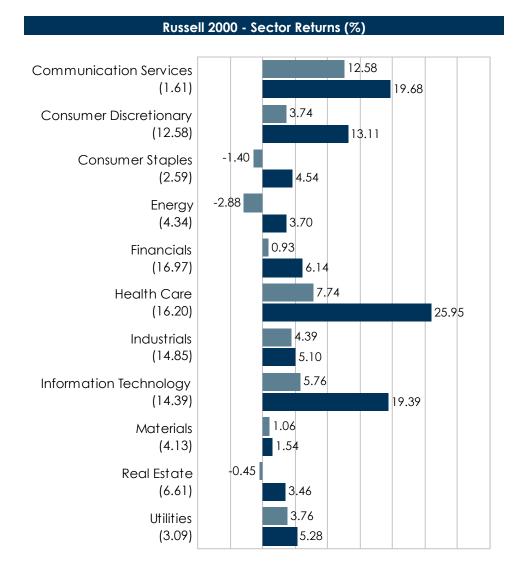
For the Periods Ending September 30, 2018



### US Markets - Performance Breakdown

For the Periods Ending September 30, 2018



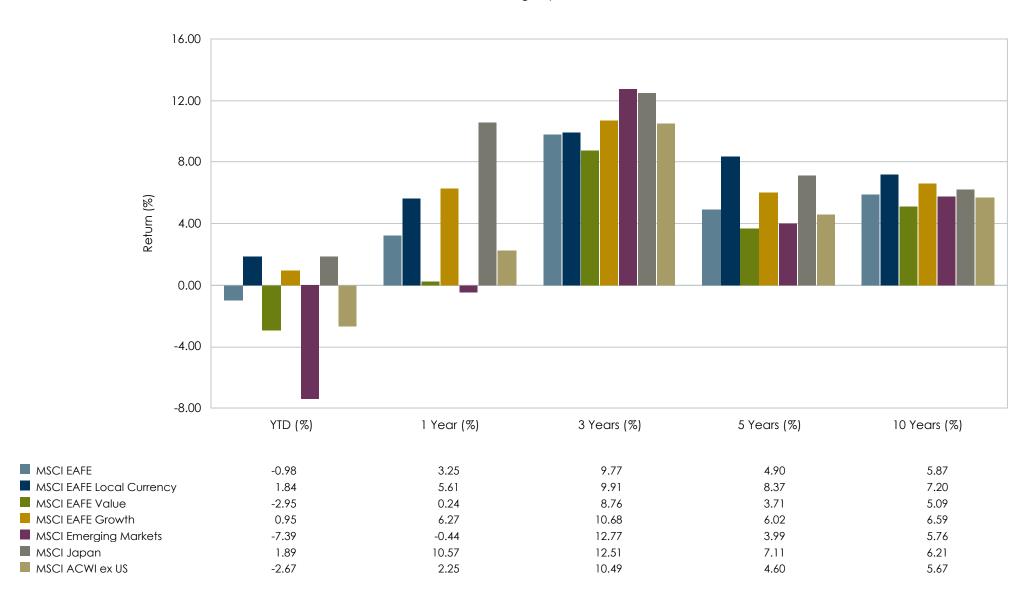


Numbers in parenthesis represent sector weightings of the index. Sector weights may not add to 100% due to rounding or securities that are not assigned to a Global Industry Classification Standard (GICS) sector.

Source: ACG Research, Bloomberg

# **Non-US Equity Index Returns**

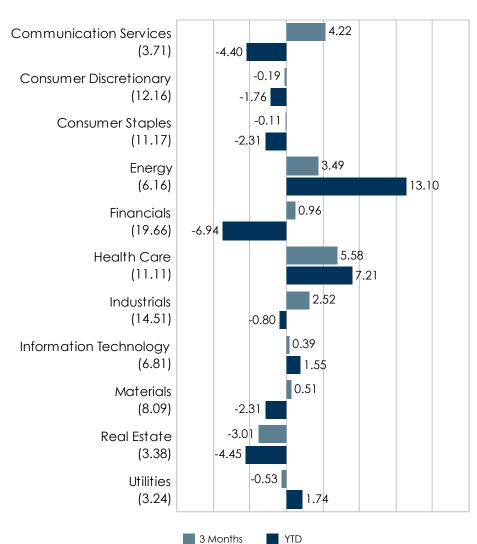
For the Periods Ending September 30, 2018



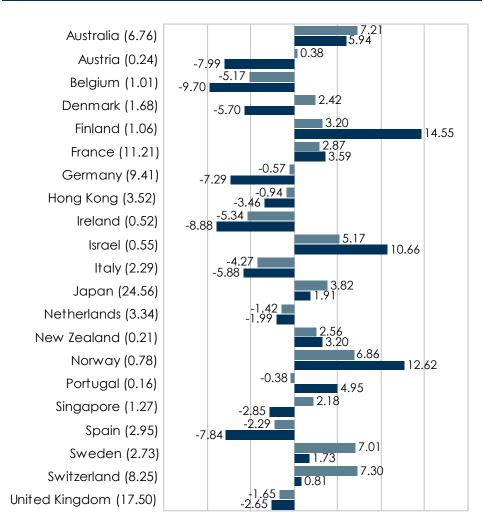
# Non-US Equity - Performance Breakdown

For the Periods Ending September 30, 2018





# MSCI EAFE - Country Returns (%)



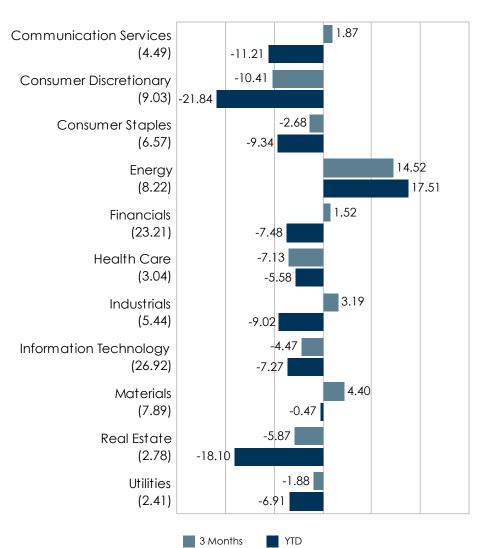
Numbers in parenthesis represent sector or country weights of the index. Sector or country weights may not add to 100% due to rounding.

Source: ACG Research, Bloomberg

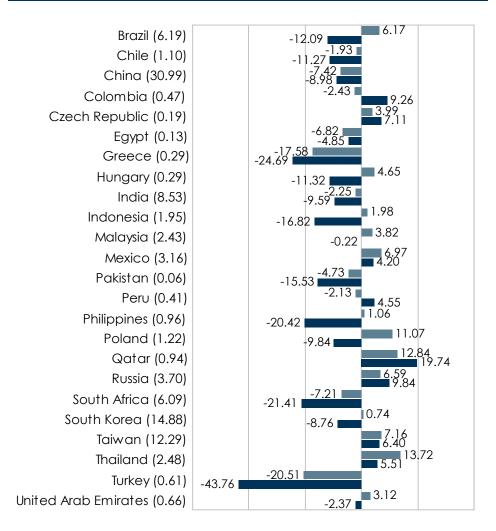
# **Emerging Markets - Performance Breakdown**

For the Periods Ending September 30, 2018





# MSCI Emerging Markets - Country Returns (%)

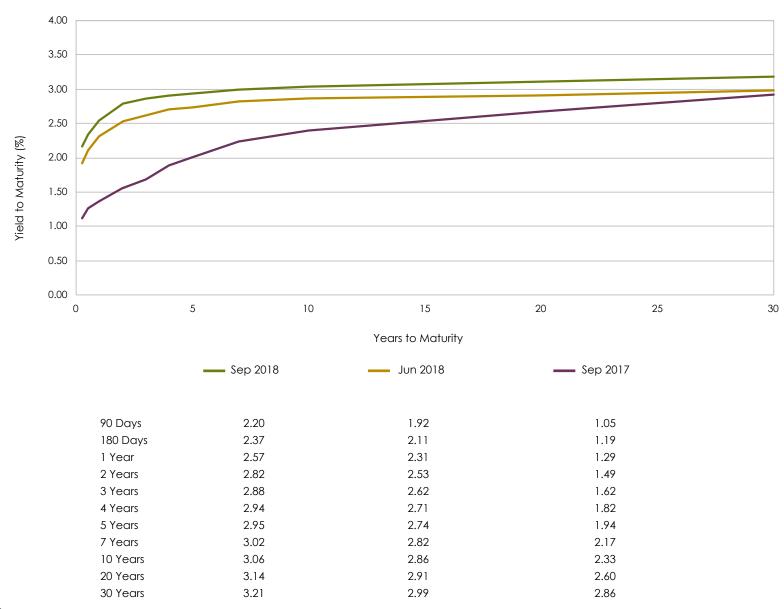


Numbers in parenthesis represent sector or country weights of the index. Sector or country weights may not add to 100% due to rounding.

Source: ACG Research, Bloomberg

# Interest Rate Term Structure

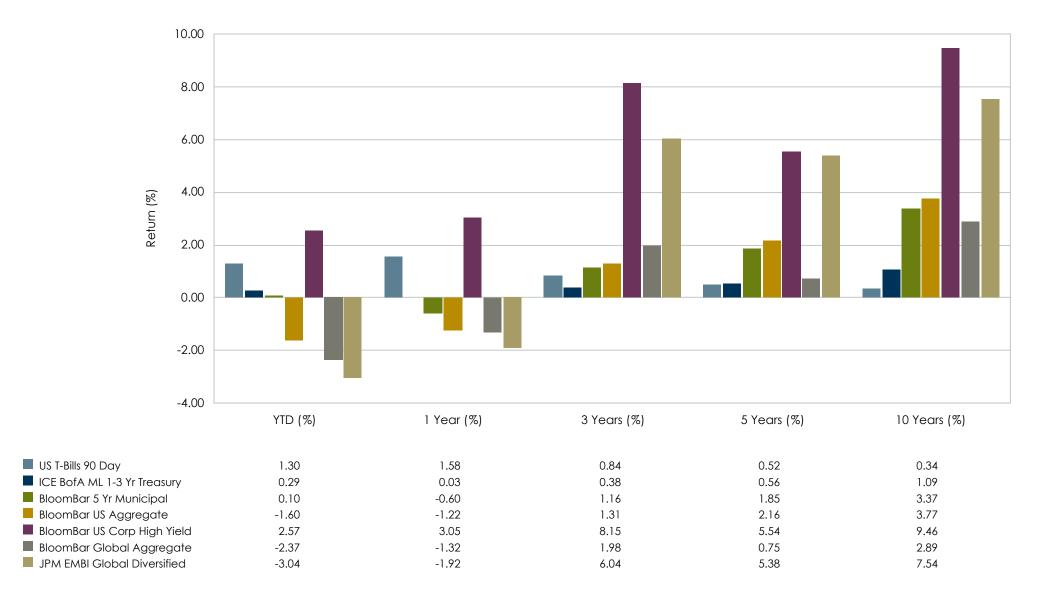
Government Issues - 3 Months to 30 Years Maturity



Source: Bloomberg

# **Fixed Income Index Returns**

For the Periods Ending September 30, 2018



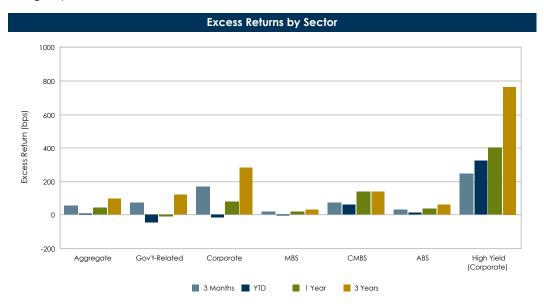
# **US Fixed Income Market Environment**

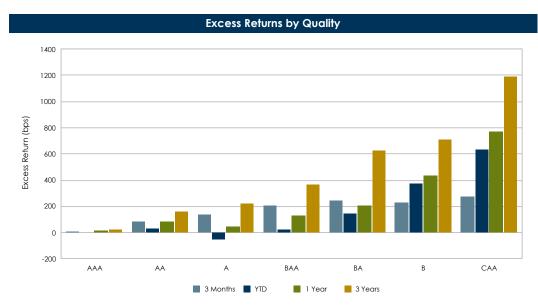
For the Periods Ending September 30, 2018

| Nominal Returns By Sector (%) |          |       |               |         |
|-------------------------------|----------|-------|---------------|---------|
|                               | 3 Months | YTD   | <u>1 Year</u> | 3 Years |
| US Aggregate                  | 0.02     | -1.60 | -1.22         | 1.32    |
| US Treasury                   | -0.60    | -1.67 | -1.62         | 0.23    |
| US Agg: Gov't-Related         | 0.37     | -0.94 | -0.64         | 1.83    |
| US Corporate IG               | 0.96     | -2.34 | -1.21         | 3.12    |
| MBS                           | -0.11    | -1.06 | -0.91         | 0.99    |
| CMBS                          | 0.46     | -0.94 | -0.59         | 1.47    |
| ABS                           | 0.49     | 0.53  | 0.52          | 1.17    |
| US Corp High Yield            | 2.41     | 2.57  | 3.04          | 8.15    |

| Nominal Returns by Quality (%) |          |       |        |         |  |
|--------------------------------|----------|-------|--------|---------|--|
|                                | 3 Months | YTD   | 1 Year | 3 Years |  |
| AAA                            | -0.35    | -1.37 | -1.29  | 0.59    |  |
| AA                             | 0.34     | -1.23 | -0.63  | 1.97    |  |
| Α                              | 0.69     | -2.67 | -1.56  | 2.55    |  |
| BAA                            | 1.35     | -2.04 | -0.83  | 3.97    |  |
| BA                             | 2.33     | 0.51  | 0.90   | 6.70    |  |
| В                              | 2.29     | 3.17  | 3.55   | 7.64    |  |
| CAA                            | 2.73     | 5.99  | 7.07   | 12.47   |  |

| Nominal Returns by Maturity (%) |                 |       |        |         |
|---------------------------------|-----------------|-------|--------|---------|
|                                 | <u>3 Months</u> | YTD   | 1 Year | 3 Years |
| 1-3 Yr.                         | 0.34            | 0.43  | 0.23   | 0.75    |
| 3-5 Yr.                         | 0.14            | -0.68 | -1.04  | 0.81    |
| 5-7 Yr.                         | 0.13            | -1.07 | -1.18  | 0.96    |
| 7-10 Yr.                        | -0.09           | -1.89 | -1.60  | 1.13    |
| 10+ Yr.                         | -0.47           | -5.40 | -2.72  | 3.37    |





Source: Bloomberg

Excess returns are relative to the duration-neutral Treasury.

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For the Periods Ending September 30, 2018

#### Portfolio Description

- Strategy Expanded High Quailty Fixed Income
- Manager Atlanta Capital Management Company
- Vehicle Separately Managed Account
- Benchmark Barclays Aggregate A+
- Performance Inception Date January 1998
- Fees Manager Fees 15 bps; Admin Fees 14.5 bps
- **Total Expenses** Approximately 33 bps

#### **Portfolio Information**

- Minimum initial investment \$50,000
- Minimum subsequent investments \$5,000
- Minimum redemption \$5,000
- The Portfolio is open once a month, on the first business day following the Portfolio Valuation date, to accept Member contributions or redemptions.
- The Portfolio is valued on the last business day of the month.
- The Administrator must have advance written notification of Member contributions or redemptions.

### **Portfolio Objectives and Constraints**

- Invests in Government and high quality securities while maintaining an average maturity of approximately eight and one-half years.
- Outperform the BloomBar US Aggregate A+ over a complete market cycle (usually 3 to 5 years).
- Rank above median in a relevant peer group universe.
- The Portfolio is subject to interest rate, credit and liquidity risk, which may cause a loss of principal. Neither the Fund nor its yield is guaranteed by the US Government.

#### **Dollar Growth Summary (\$000s)**

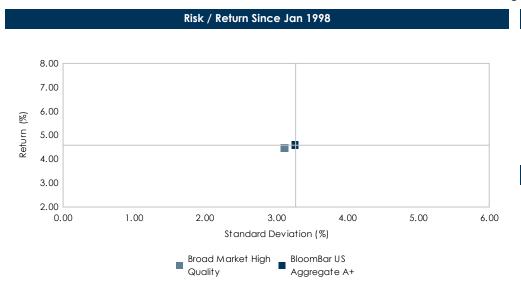
|                        | 3 Months | FYTD    |
|------------------------|----------|---------|
| Beginning Market Value | 112,629  | 134,310 |
| Net Additions          | 22,473   | 1,290   |
| Return on Investment   | -337     | -835    |
| Income                 | 558      | 3,199   |
| Gain/Loss              | -895     | -4,034  |
| Ending Market Value    | 134,766  | 134,766 |

For the Periods Ending September 30, 2018



The Other sector consists of ABS, CMO, Convertibles, Municipals, Private Placements/144As and TIPS.

For the Periods Ending September 30, 2018

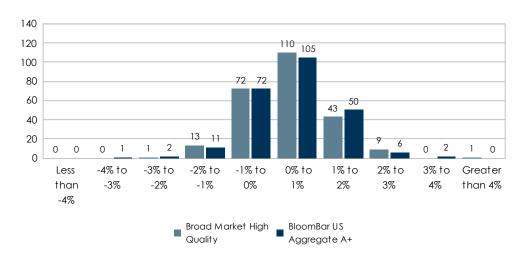


|                        | Broad<br>Market<br>High Quality | BloomBar US<br>Aggregate<br>A+ |
|------------------------|---------------------------------|--------------------------------|
| Return (%)             | 4.45                            | 4.57                           |
| Standard Deviation (%) | 3.12                            | 3.26                           |
| Sharpe Ratio           | 0.84                            | 0.84                           |

| Benchmark Relative Statistics |       |  |  |
|-------------------------------|-------|--|--|
|                               |       |  |  |
| Beta                          | 0.92  |  |  |
| R Squared (%)                 | 93.03 |  |  |
| Alpha (%)                     | 0.24  |  |  |
| Tracking Error (%)            | 0.86  |  |  |
| Batting Average (%)           | 46.99 |  |  |
| Up Capture (%)                | 93.93 |  |  |
| Down Capture (%)              | 88.71 |  |  |
|                               |       |  |  |

Portfolio Statistics Since Jan 1998

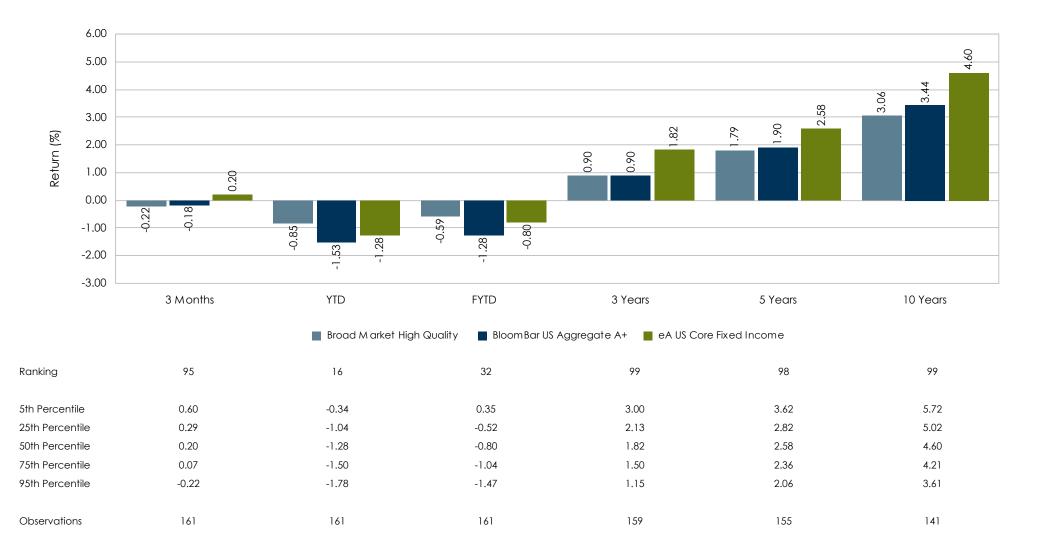




### Return Analysis Since Jan 1998

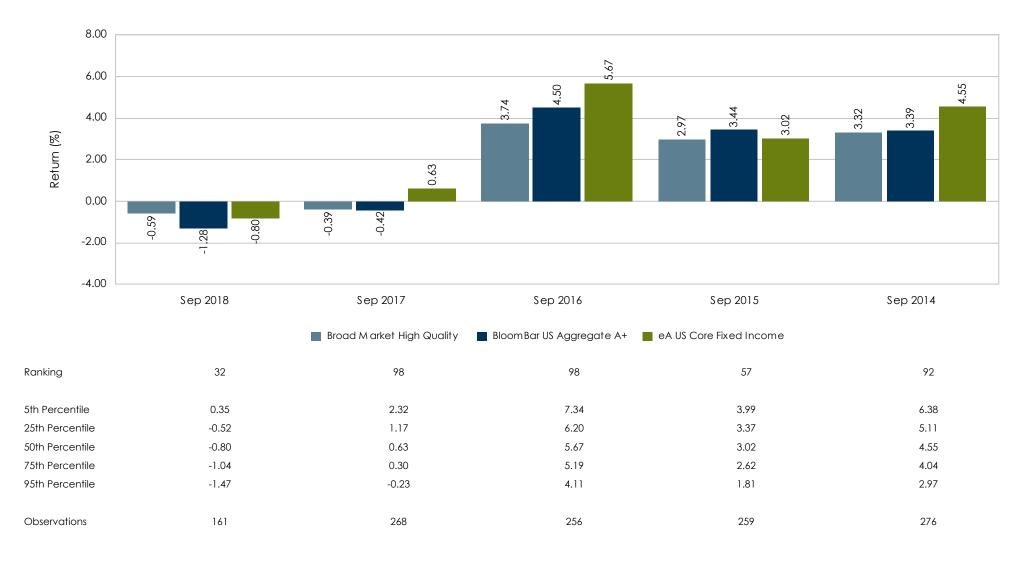
| Number of Months  249  High Quality  A+  Number of Months  249  4.01  3.60  Lowest Monthly Return (%)  -2.47  -3.24  Number of Positive Months  163  Number of Negative Months  86  86  % of Positive Months  65.46  65.46 |                            | Broad<br>Market | BloomBar US<br>Aggregate |
|--|----------------------------|-----------------|--------------------------|
| Highest Monthly Return (%)  Lowest Monthly Return (%)  -2.47  -3.24  Number of Positive Months  163  Number of Negative Months  86  86   |                            | High Quality    | <b>A</b> +               |
| Lowest Monthly Return (%)  -2.47  -3.24  Number of Positive Months  163  163  Number of Negative Months  86  86  | Number of Months           | 249             | 249                      |
| Number of Positive Months163163Number of Negative Months8686   | Highest Monthly Return (%) | 4.01            | 3.60                     |
| Number of Negative Months 86 86  | Lowest Monthly Return (%)  | -2.47           | -3.24                    |
|  | Number of Positive Months  | 163             | 163                      |
| % of Positive Months 65.46 65.46   | Number of Negative Months  | 86              | 86                       |
|  | % of Positive Months       | 65.46           | 65.46                    |

For the Periods Ending September 30, 2018



The rankings represent the portfolio's returns versus a peer universe. The rankings are on a scale of 1 to 100 with 1 being the best.

For the One Year Periods Ending September



The rankings represent the portfolio's returns versus a peer universe. The rankings are on a scale of 1 to 100 with 1 being the best.

## **Investment Guidelines**

## **Broad Market High Quality Bond Fund**

For the Periods Ending September 30, 2018

| Portfolio Sector Allocations   | Max.%      | Min. %    | Actual Portfolio | Within Guidelines? | Comments               |
|--|------------|-----------|------------------|--------------------|------------------------|
| U.S. Govt Oblig., U.S. Govt Agency Oblig, or U.S. Govt Instrum. Oblig.   | 75.00%     | 30.00%    | 43.47%           | Yes                |                        |
| Mortgage Securities including CMO's  | 50.00%     | 0.00%     | 24.76%           | Yes                |                        |
| Corporate and Yankee Debt Obligations  | 30.00%     | 0.00%     | 3.46%            | Yes                |                        |
| Asset Backed Securities  | 30.00%     | 0.00%     | 27.79%           | Yes                |                        |
| Reverse Repurchase Agreements and/or other forms of financial leverage *   | 30.00%     | 0.00%     | 0.00%            | Yes                |                        |
| Other (Cash)   | 25.00%     | 0.00%     | 0.52%            | Yes                |                        |
| Portfolio Duration/Quality   | Policy Exp | ectations | Actual Portfolio | Within Guidelines? | Comments               |
| <b>Modified Duration</b> Portfolio should maintain a duration equal to the BloomBar US Aggregate A+ Index plus or minus 30% but no greater than 7 years. | 4.07       | to 7.00   | 5.00             | Yes                |                        |
| <b>Credit quality</b> Portfolio should Maintain a minimum bond fund rating of AA (Fitch).  | ,          | AAf       |                  | Yes                |                        |
| Individual Securities  |            |           |                  | Within Guidelines? | Comments               |
| Minimum credit rating of A by any NRSRO for all corporate securities.  |            |           |                  | Yes                |                        |
| Maximum of 3% at time of purchase and 5% of the portfolio value may be invested in corporate securities of an individual issuer.                         |            |           | 1.38%            | Yes                | Largest Position Noted |
| A maximum of 5% of the portfolio, at market, may be invested in individual trusts of ABS and Non-Agency CMOs.  |            |           | 2.14%            | Yes                | Largest Position Notec |
| Final stated maturity of 31.0 years or less for all securities.  |            |           |                  | Yes                |                        |

<sup>\*</sup>Asset Consulting Group is unable to verify the actual percentages in the portfolio. However, ACG has confirmed the actual portfolio allocation is less than the maximum percentage allowed.

For the Periods Ending September 30, 2018

#### **Portfolio Description**

- Strategy Core Plus Fixed Income
- Manager Franklin Resources, Inc & Amundi Pioneer Institutional Investment
- Vehicle Non-Mutual Commingled
- Benchmark Barclays Multiverse
- Performance Inception Date April 2014
- Fees Manager Fee 69 bps; Admin Fee 14.5 bps
- **Total Expenses** Approximately 87 bps

#### **Portfolio Information**

- Minimum initial investment \$50,000
- Minimum subsequent investments \$5,000
- Minimum redemption \$5,000
- The Portfolio is open once a month, on the first business day following a
   Portfolio Valuation date, to accept Member contributions or redemptions.
- The Portfolio is valued on the last business day of the month.
- The Administrator must have advance written notification of Member contributions or redemptions.

### **Portfolio Objectives and Constraints**

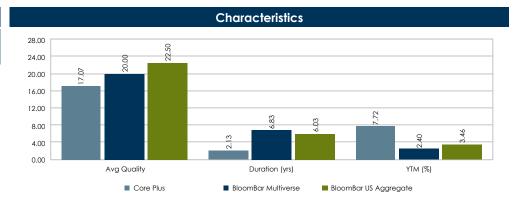
- Invests in a broad spectrum of fixed and floating rate debt securities that are diversified by credit quality, geography and duration.
- Outperform the BloomBar Multiverse over a complete market cycle (usually 3 to 5 years).
- Rank above median in a relevant peer group universe.
- The Portfolio is subject to interest rate, credit and liquidity risk, which may cause a loss of prinicpal. Neither the Fund nor its yield is guaranteed by the US Government.

## Dollar Growth Summary (\$000s)

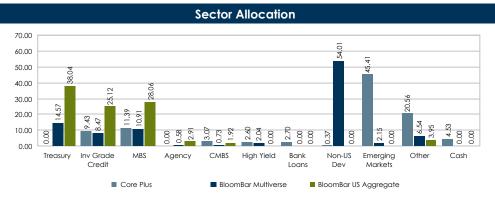
|                        | 3 Months | FYTD    |
|------------------------|----------|---------|
| Beginning Market Value | 162,666  | 166,304 |
| Net Additions          | -22,009  | -22,305 |
| Return on Investment   | 1,409    | -1,934  |
| Ending Market Value    | 142,065  | 142,065 |

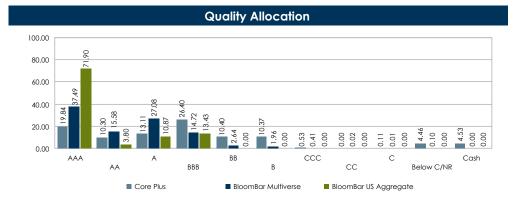
For the Periods Ending September 30, 2018

| Manager Allocation                    |         |        |  |  |
|---------------------------------------|---------|--------|--|--|
| NameMarketAllocationValue (\$000s)(%) |         |        |  |  |
| Total Core Plus                       | 142,065 | 100.00 |  |  |
| Amundi Pioneer MSFI Fund              | 75,322  | 53.02  |  |  |
| Franklin Templeton GMSP Fund          | 66,830  | 47.04  |  |  |



| Dollar Growth Summary (\$000s) |          |         |  |
|--------------------------------|----------|---------|--|
|                                | 3 Months | FYTD    |  |
| Beginning Market Value         | 162,666  | 166,304 |  |
| Net Additions                  | -22,009  | -22,305 |  |
| Return on Investment           | 1,409    | -1,934  |  |
| Ending Market Value            | 142,065  | 142,065 |  |

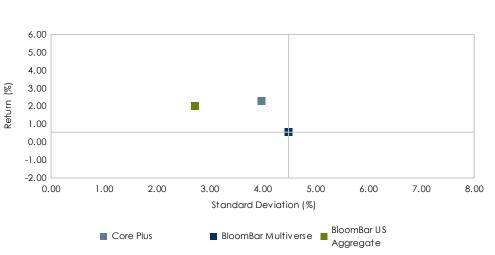




The Other sector consists of ABS, CMO, Convertibles, Municipals, Private Placements/144As and TIPS.

For the Periods Ending September 30, 2018



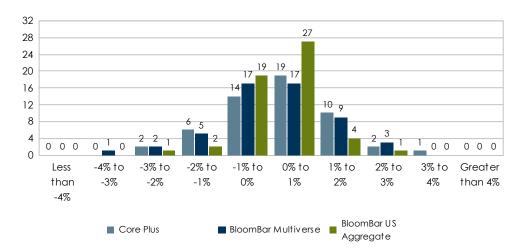


### Portfolio Statistics Since Apr 2014

|                        |           | BloomBar   | BloomBar US |  |
|------------------------|-----------|------------|-------------|--|
|                        | Core Plus | Multiverse | Aggregate   |  |
| Return (%)             | 2.28      | 0.57       | 2.02        |  |
| Standard Deviation (%) | 3.98      | 4.48       | 2.72        |  |
| Sharpe Ratio           | 0.45      | 0.01       | 0.56        |  |

| Benchmark Relative Statistics |       |       |  |  |  |
|-------------------------------|-------|-------|--|--|--|
|                               |       |       |  |  |  |
| Beta                          | 0.22  | 0.15  |  |  |  |
| R Squared (%)                 | 5.90  | 1.10  |  |  |  |
| Alpha (%)                     | 2.21  | 2.04  |  |  |  |
| Tracking Error (%)            | 5.22  | 4.58  |  |  |  |
| Batting Average (%)           | 50.00 | 44.44 |  |  |  |
| Up Capture (%)                | 34.96 | 42.94 |  |  |  |
| Down Capture (%)              | -0.26 | -7.89 |  |  |  |
|                               |       |       |  |  |  |

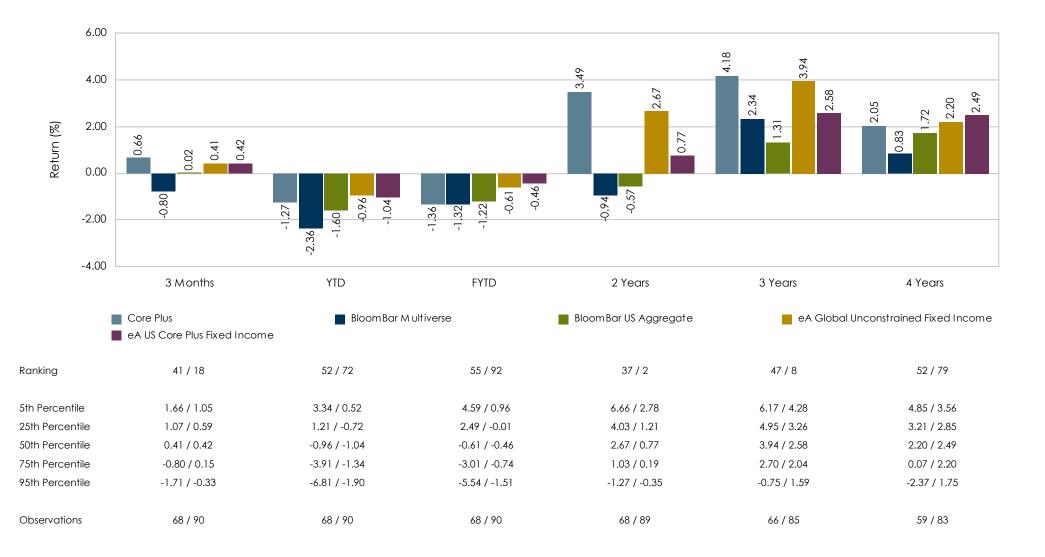
### Return Histogram Since Apr 2014



### Return Analysis Since Apr 2014

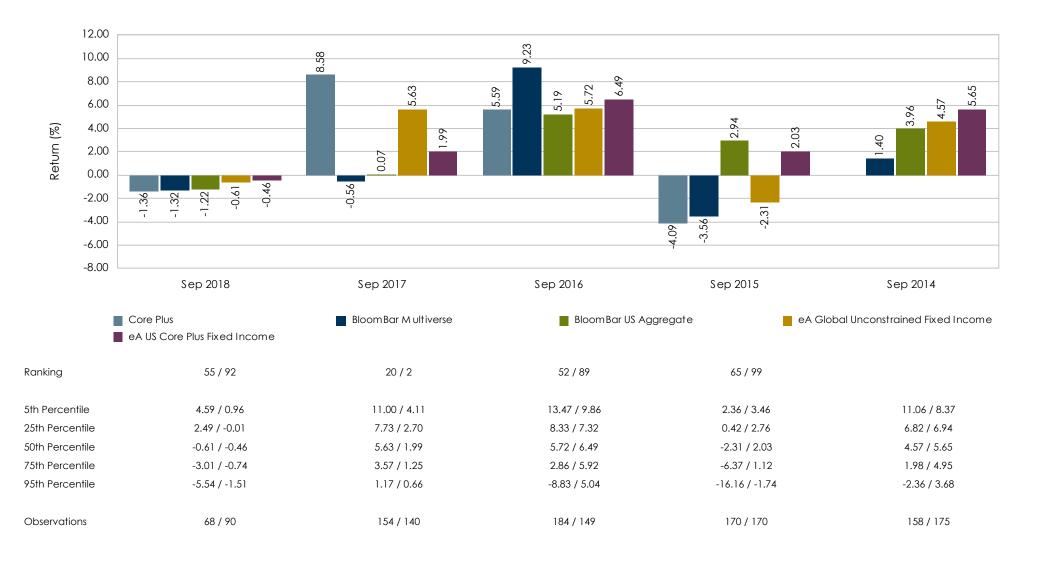
|                            | Core Plus | BloomBar<br>Multiverse | BloomBar US<br>Aggregate |
|----------------------------|-----------|------------------------|--------------------------|
| Number of Months           | 54        | 54                     | 54                       |
| Highest Monthly Return (%) | 3.13      | 2.89                   | 2.10                     |
| Lowest Monthly Return (%)  | -2.30     | -3.88                  | -2.37                    |
| Number of Positive Months  | 32        | 29                     | 32                       |
| Number of Negative Months  | 22        | 25                     | 22                       |
| % of Positive Months       | 59.26     | 53.70                  | 59.26                    |

For the Periods Ending September 30, 2018



The rankings represent the portfolio's returns versus a peer universe. The rankings are on a scale of 1 to 100 with 1 being the best.

For the One Year Periods Ending September



The rankings represent the portfolio's returns versus a peer universe. The rankings are on a scale of 1 to 100 with 1 being the best.

## **Investment Guidelines**

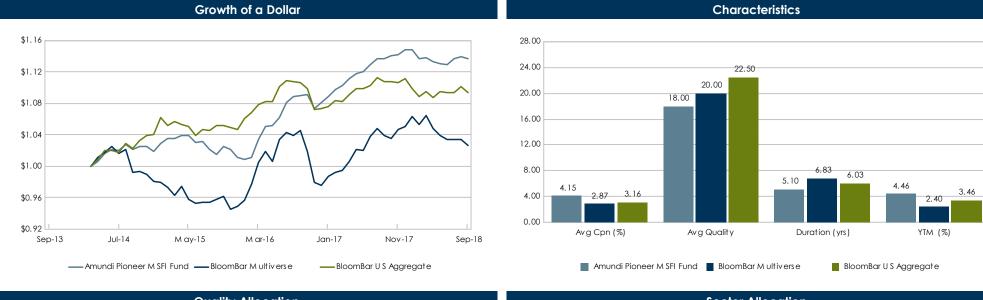
### Core Plus Fixed Income Fund

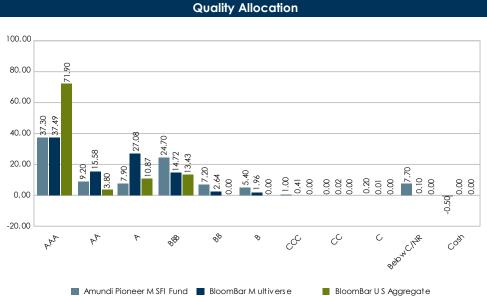
For the Periods Ending September 30, 2018

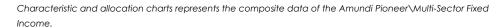
| Manager Allocations  | Target % | Range%    | Actual Portfolio | Within Guidelines? | Comments |
|--|----------|-----------|------------------|--------------------|----------|
| Franklin Templeton Global Multisector Plus Fixed Income Fund | 50.00%   | 45% - 55% | 47.04%           | Yes                |          |
| Amundi Pioneer Multisector Fixed Income Fund                 | 50.00%   | 45% - 55% | 53.02%           | Yes                |          |

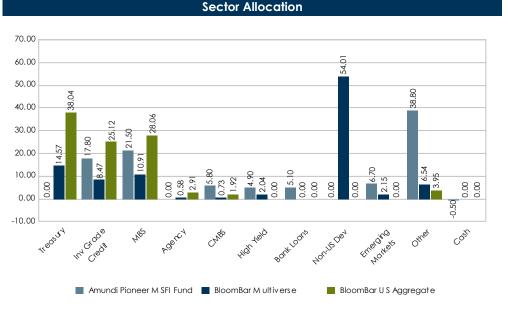
## **Amundi Pioneer MSFI Fund**

For the Periods Ending September 30, 2018





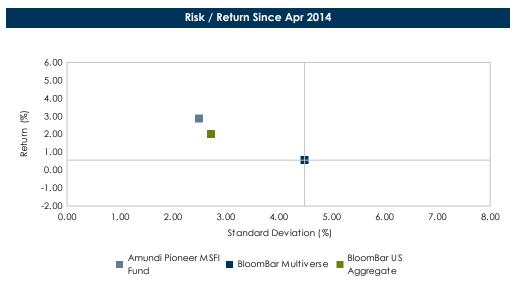




The Other sector consists of ABS, CMO, Convertibles, Municipals, Private Placements/144As and TIPS.

# **Amundi Pioneer MSFI Fund**

For the Periods Ending September 30, 2018

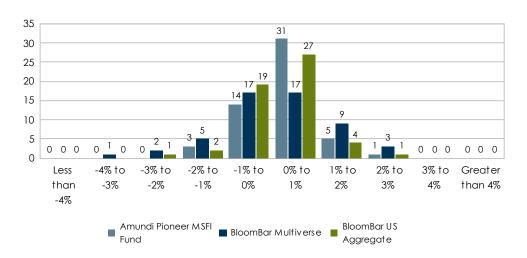


### Amundi Pioneer **BloomBar US** BloomBar **MSFI Fund Multiverse** Aggregate 2.02 Return (%) 2.89 0.57 2.72 Standard Deviation (%) 2.49 4.48 **Sharpe Ratio** 0.96 0.01 0.56

Portfolio Statistics Since Apr 2014

| Benchmark Relative Statistics |       |       |  |
|-------------------------------|-------|-------|--|
|                               |       |       |  |
| Beta                          | 0.35  | 0.54  |  |
| R Squared (%)                 | 40.09 | 34.66 |  |
| Alpha (%)                     | 2.68  | 1.80  |  |
| Tracking Error (%)            | 3.49  | 2.37  |  |
| Batting Average (%)           | 59.26 | 55.56 |  |
| Up Capture (%)                | 50.72 | 84.21 |  |
| Down Capture (%)              | 7.01  | 42.27 |  |

### Return Histogram Since Apr 2014

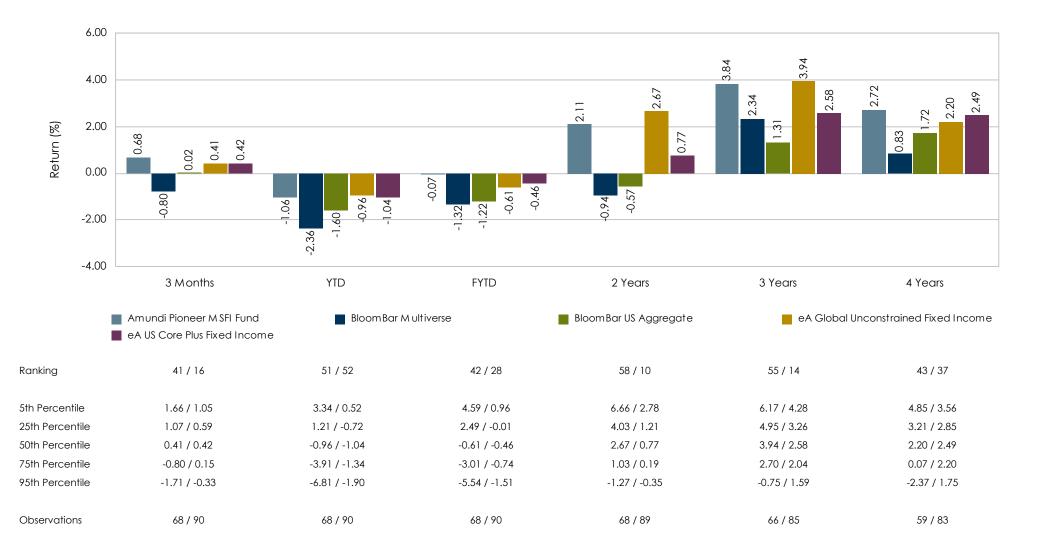


### Return Analysis Since Apr 2014

|                            | Amundi<br>Pioneer<br>MSFI Fund | BloomBar<br>Multiverse | BloomBar US<br>Aggregate |
|----------------------------|--------------------------------|------------------------|--------------------------|
| Number of Months           | 54                             | 54                     | 54                       |
| Highest Monthly Return (%) | 2.18                           | 2.89                   | 2.10                     |
| Lowest Monthly Return (%)  | -1.62                          | -3.88                  | -2.37                    |
| Number of Positive Months  | 37                             | 29                     | 32                       |
| Number of Negative Months  | 17                             | 25                     | 22                       |
| % of Positive Months       | 68.52                          | 53.70                  | 59.26                    |

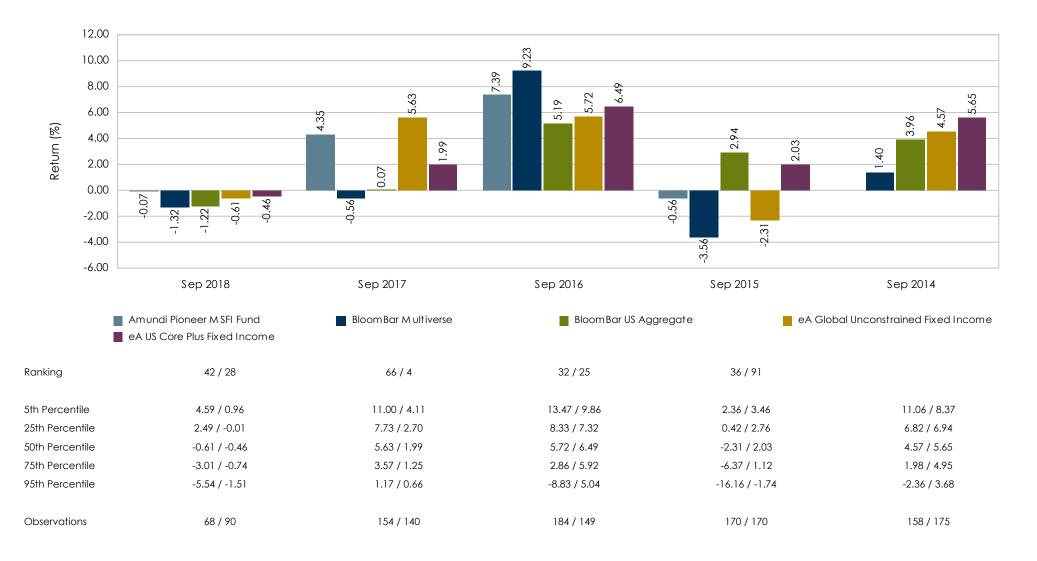
### **Amundi Pioneer MSFI Fund**

For the Periods Ending September 30, 2018



# **Amundi Pioneer MSFI Fund**

For the One Year Periods Ending September



For the Periods Ending September 30, 2018



Characteristic and allocation charts represents the composite data of the Franklin Templeton\Global Multisector Plus.

■ BloomBar U S Aggregate

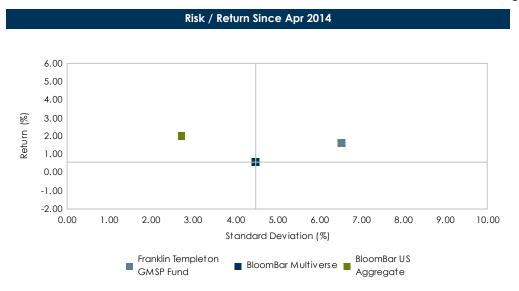
Franklin Templeton GM SP Fund BloomBar Multiverse

The Other sector consists of ABS, CMO, Convertibles, Municipals, Private Placements/144As and TIPS.

■ BloomBar U S Aggregate

Franklin Templet on GM SP Fund BloomBar Multiverse

For the Periods Ending September 30, 2018

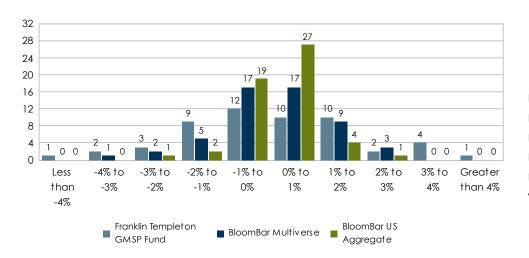


### Franklin **Templeton BloomBar US** BloomBar **GMSP Fund Multiverse** Aggregate 2.02 Return (%) 1.63 0.57 2.72 Standard Deviation (%) 6.53 4.48 **Sharpe Ratio** 0.17 0.01 0.56

Portfolio Statistics Since Apr 2014

| Benchmark Relative Statistics |       |        |  |
|-------------------------------|-------|--------|--|
|                               |       |        |  |
| Beta                          | 0.07  | -0.25  |  |
| R Squared (%)                 | 0.24  | 1.06   |  |
| Alpha (%)                     | 1.80  | 2.36   |  |
| Tracking Error (%)            | 7.73  | 7.32   |  |
| Batting Average (%)           | 50.00 | 46.30  |  |
| Up Capture (%)                | 18.79 | 1.05   |  |
| Down Capture (%)              | -7.69 | -61.84 |  |

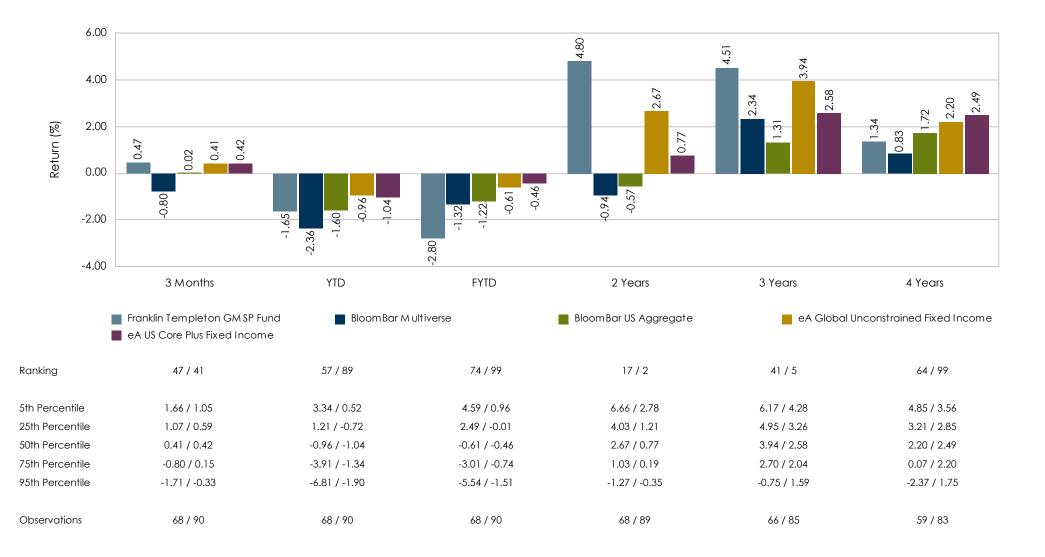
### Return Histogram Since Apr 2014



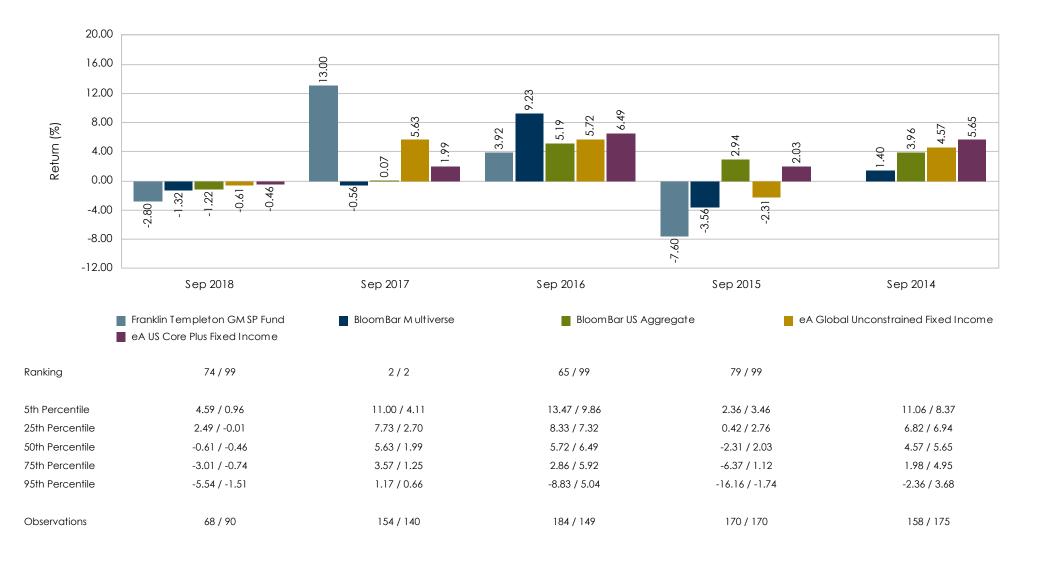
### Return Analysis Since Apr 2014

|                            | Franklin<br>Templeton<br>GMSP Fund | BloomBar<br>Multiverse | BloomBar US<br>Aggregate |
|----------------------------|------------------------------------|------------------------|--------------------------|
| Number of Months           | 54                                 | 54                     | 54                       |
| Highest Monthly Return (%) | 4.08                               | 2.89                   | 2.10                     |
| Lowest Monthly Return (%)  | -4.47                              | -3.88                  | -2.37                    |
| Number of Positive Months  | 27                                 | 29                     | 32                       |
| Number of Negative Months  | 27                                 | 25                     | 22                       |
| % of Positive Months       | 50.00                              | 53.70                  | 59.26                    |

For the Periods Ending September 30, 2018



For the One Year Periods Ending September



For the Periods Ending September 30, 2018

### **Portfolio Description**

- Strategy Large Cap US Equity
- Manager Janus/INTECH, Hotchkis & Wiley, & Atlanta Capital
- Vehicle Non-Mutual Commingled
- Benchmark Russell 1000
- Performance Inception Date October 2017
- Fees Manager Fee 49 bps; Admin Fee 14.5 bps
- **Total Expenses** Approximately 65 bps

### **Portfolio Information**

- Minimum initial investment \$50,000
- Minimum subsequent investments \$5,000
- Minimum redemption \$5,000
- The Portfolio is open once a month, on the first business day following the Portfolio Valuation date, to accept Member contributions or redemptions.
- The Portfolio is valued on the last business day of the month.
- The Administrator must have advance written notification of Member contributions or redemptions.

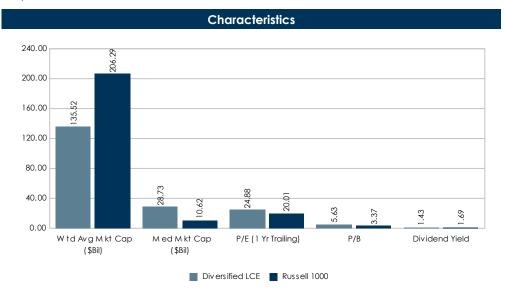
### **Portfolio Objectives and Constraints**

- Invests in large cap US stocks that are diversified by industry and sector.
- Outperform the Russell 1000 over a complete market cycle (usually 3 to 5 years).
- Rank above median in a relevant peer group universe.
- Stock values fluctuate in response to the activities of individual companies, the general market and economic conditions. Shares of the Portfolio are neither insured nor guaranteed by any US Government agency, including the FDIC.

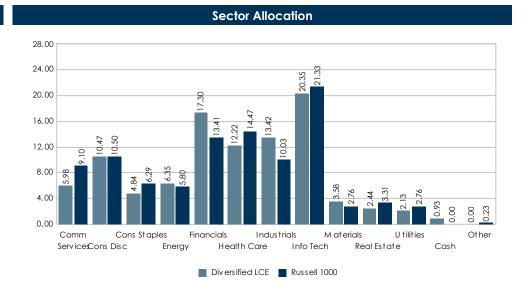
### **Dollar Growth Summary (\$000s)**

|                        | 3 Months | FYTD    |
|------------------------|----------|---------|
| Beginning Market Value | 260,176  | 301,795 |
| Net Additions          | -1,328   | -67,526 |
| Return on Investment   | 17,421   | 41,999  |
| Ending Market Value    | 276,269  | 276,269 |

| Manager Allocation                    |         |       |  |  |  |
|---------------------------------------|---------|-------|--|--|--|
| MarketAllocationNameValue (\$000s)(%) |         |       |  |  |  |
| Total Diversified LCE 276,269 100.00  |         |       |  |  |  |
| Intech US Broad Enhanced Plus Fund    | 159,968 | 57.90 |  |  |  |
| Atlanta Capital High Quality Growth   | 60,689  | 21.97 |  |  |  |
| Hotchkis & Wiley Diversified Value    | 55,611  | 20.13 |  |  |  |

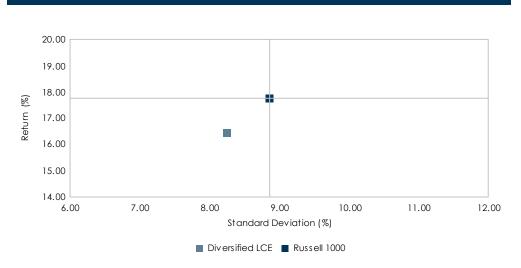


| Dollar Growth Summary (\$000s) |          |         |  |
|--------------------------------|----------|---------|--|
|                                | 3 Months | FYTD    |  |
| Beginning Market Value         | 260,176  | 301,795 |  |
| Net Additions                  | -1,328   | -67,526 |  |
| Return on Investment           | 17,421   | 41,999  |  |
| Ending Market Value            | 276,269  | 276,269 |  |



For the Periods Ending September 30, 2018

# Risk / Return Since Oct 2017

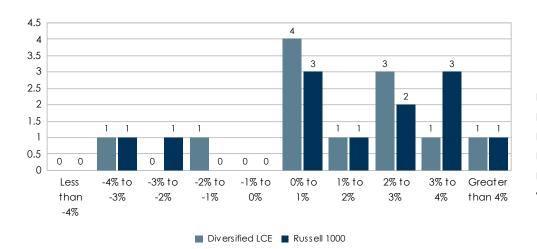


### Portfolio Statistics Since Oct 2017

|                        | Diversified |              |  |
|------------------------|-------------|--------------|--|
|                        | LCE         | Russell 1000 |  |
| Return (%)             | 16.42       | 17.76        |  |
| Standard Deviation (%) | 8.25        | 8.86         |  |
| Sharpe Ratio           | 1.81        | 1.83         |  |

| Benchmark Relative Statistics |       |  |  |
|-------------------------------|-------|--|--|
|                               |       |  |  |
| Beta                          | 0.91  |  |  |
| R Squared (%)                 | 95.31 |  |  |
| Alpha (%)                     | 0.32  |  |  |
| Tracking Error (%)            | 1.96  |  |  |
| Batting Average (%)           | 50.00 |  |  |
| Up Capture (%)                | 88.15 |  |  |
| Down Capture (%)              | 79.69 |  |  |

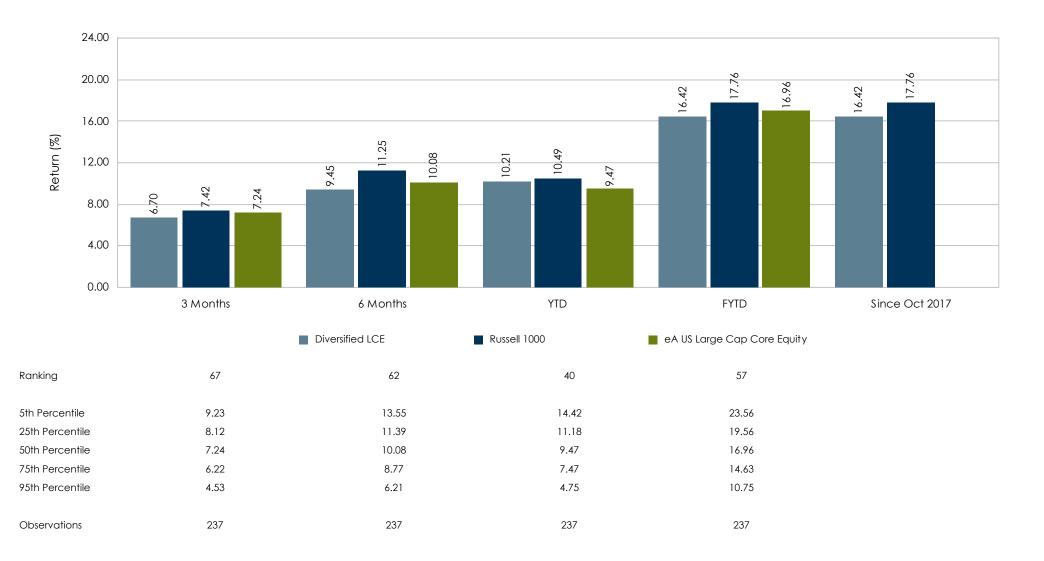
### **Return Histogram Since Oct 2017**



# Return Analysis Since Oct 2017

|                            | Diversified |              |  |
|----------------------------|-------------|--------------|--|
|                            | LCE         | Russell 1000 |  |
| Number of Months           | 12          | 12           |  |
| Highest Monthly Return (%) | 5.63        | 5.49         |  |
| Lowest Monthly Return (%)  | -3.57       | -3.67        |  |
| Number of Positive Months  | 10          | 10           |  |
| Number of Negative Months  | 2           | 2            |  |
| % of Positive Months       | 83.33       | 83.33        |  |
|                            |             |              |  |

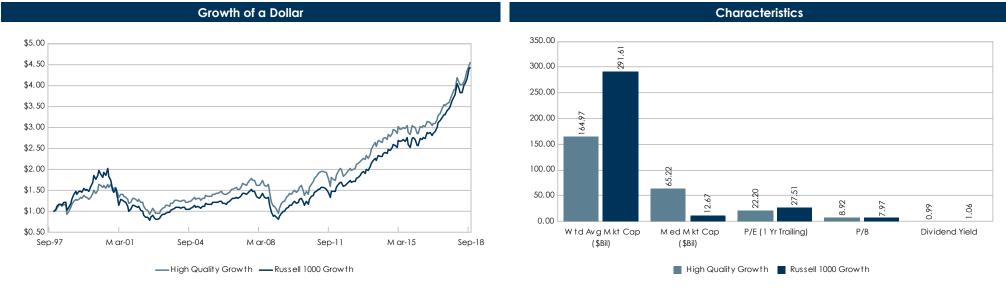
For the Periods Ending September 30, 2018

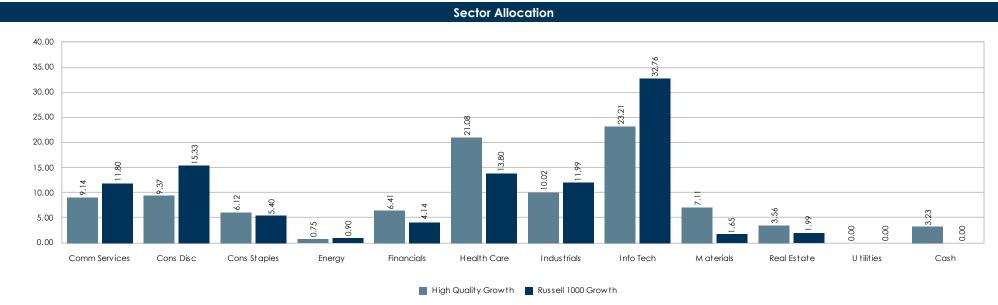


# **Investment Guidelines**

# Diversified Large Cap Equity Portfolio

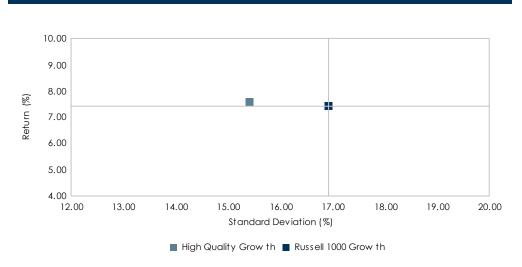
| Manager Allocations  | Target % | Range%    | Actual Portfolio | Within Guidelines? | Comments |
|--|----------|-----------|------------------|--------------------|----------|
| INTECH Broad Enhanced Russell 1000   | 60.0%    | 50% - 70% | 57.90%           | Yes                |          |
| Atlanta Capital High Quality Growth  | 20.0%    | 10% - 30% | 21.97%           | Yes                |          |
| Hotchkis & Wiley Diversified Value   | 20.0%    | 10% - 30% | 20.13%           | Yes                |          |
| Allocation   |          | Max. %    | Actual Portfolio | Within Guidelines? | Comments |
| A maximum of 10% of the portfolio, valued at market, may be invested in cash.  |          | 10.0%     | 0.93%            | Yes                |          |
| The portfolio shall not own private placements, unregistered or registered stock, options, futures, or commodities, nor participate in margin trading. |          | N/A       | N/A              | Yes                |          |





For the Periods Ending September 30, 2018

### Risk / Return Since Jan 1998

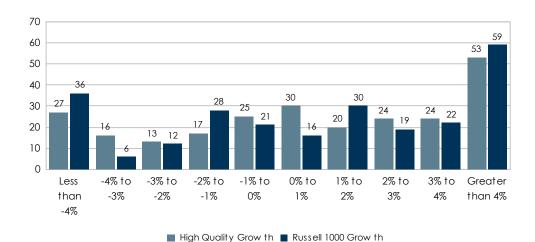


### Portfolio Statistics Since Jan 1998

|                        | High Quality | Russell     |  |
|------------------------|--------------|-------------|--|
|                        | Growth       | 1000 Growth |  |
| Return (%)             | 7.56         | 7.42        |  |
| Standard Deviation (%) | 15.42        | 16.93       |  |
| Sharpe Ratio           | 0.37         | 0.33        |  |

| Benchmark Relative Statistics |       |  |  |
|-------------------------------|-------|--|--|
|                               |       |  |  |
| Beta                          | 0.86  |  |  |
| R Squared (%)                 | 88.17 |  |  |
| Alpha (%)                     | 1.13  |  |  |
| Tracking Error (%)            | 5.84  |  |  |
| Batting Average (%)           | 45.78 |  |  |
| Up Capture (%)                | 87.62 |  |  |
| Down Capture (%)              | 88.05 |  |  |
|                               |       |  |  |

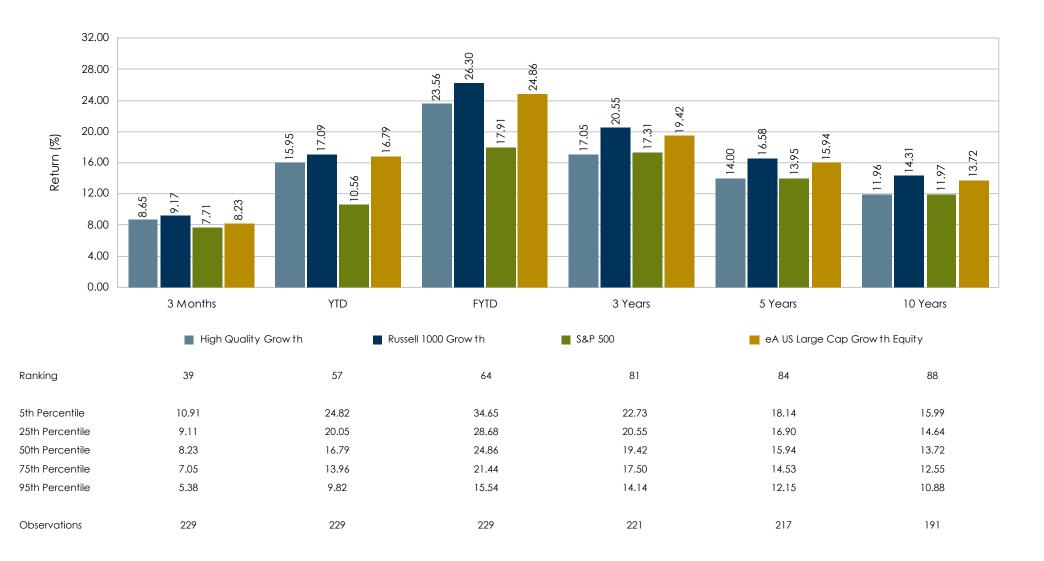
### Return Histogram Since Jan 1998



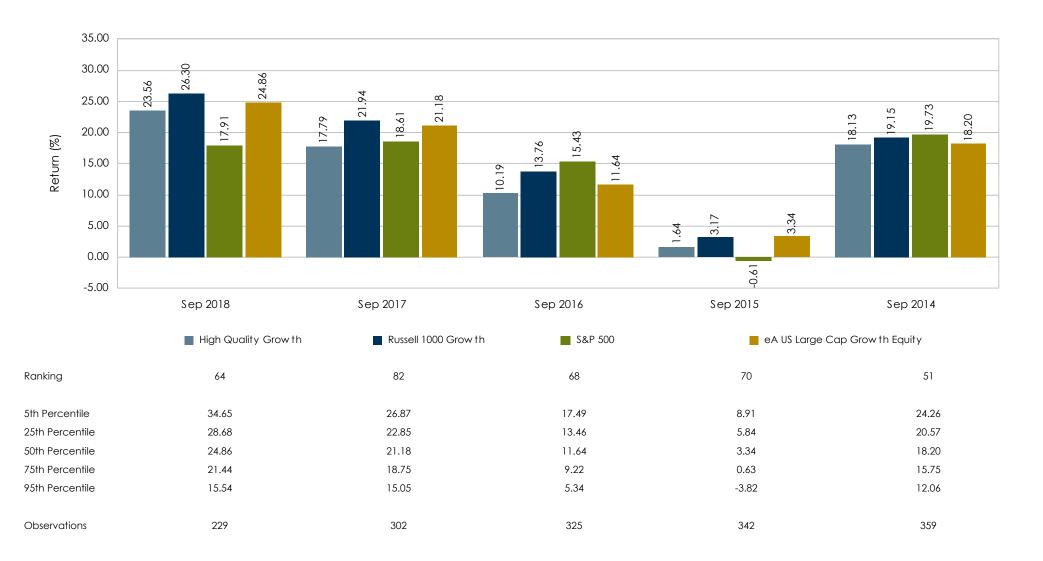
### Return Analysis Since Jan 1998

|                            | High Quality<br>Growth | Russell<br>1000 Growth |
|----------------------------|------------------------|------------------------|
| Number of Months           | 249                    | 249                    |
| Highest Monthly Return (%) | 12.11                  | 12.65                  |
| Lowest Monthly Return (%)  | -17.56                 | -17.61                 |
| Number of Positive Months  | 151                    | 146                    |
| Number of Negative Months  | 98                     | 103                    |
| % of Positive Months       | 60.64                  | 58.63                  |
|                            |                        |                        |

For the Periods Ending September 30, 2018



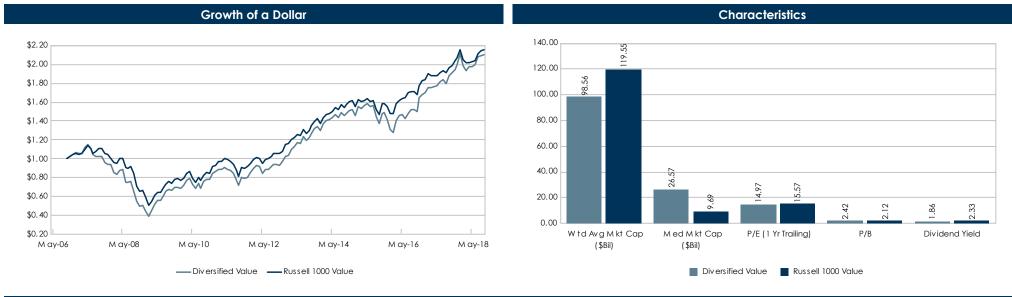
For the One Year Periods Ending September

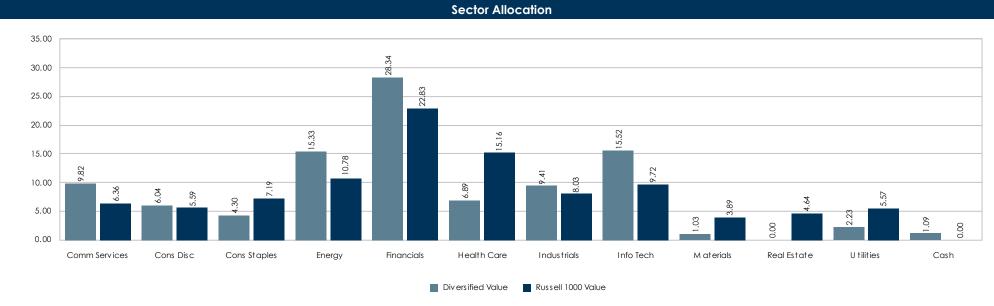


# **Investment Guidelines**

# Atlanta Capital High Quality Growth

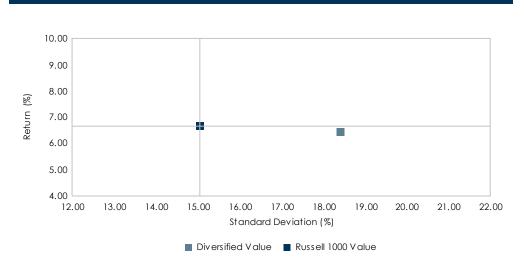
| Portfolio Sector Allocations  | Maximum | Actual Portfolio | Within Guidelines? | Comments               |
|---|---------|------------------|--------------------|------------------------|
| Maximum sector concentration shall be no more than 30% in any one sector as defined by the Standard & Poor's GICS.  |         |                  |                    |                        |
| CommunicationServices   | 30.00%  | 9.14%            | Yes                |                        |
| Consumer Discretionary  | 30.00%  | 9.37%            | Yes                |                        |
| Consumer Staples  | 30.00%  | 6.12%            | Yes                |                        |
| Energy  | 30.00%  | 0.75%            | Yes                |                        |
| Financials  | 30.00%  | 6.41%            | Yes                |                        |
| Health Care   | 30.00%  | 21.08%           | Yes                |                        |
| Industrials   | 30.00%  | 10.02%           | Yes                |                        |
| Information Technology  | 30.00%  | 23.21%           | Yes                |                        |
| Materials   | 30.00%  | 7.11%            | Yes                |                        |
| Real Estate   | 30.00%  | 3.56%            | Yes                |                        |
| Utilities   | 30.00%  | 0.00%            | Yes                |                        |
| Allocation  | Max. %  | Actual Portfolio | Within Guidelines? | Comments               |
| A maximum of 10% of the portfolio, valued at market, may be invested in cash.   | 10.0%   | 3.23%            | Yes                |                        |
| A maximum of 15% of the portfolio may be held in securities that have an S&P equity ranking or Value Line Financial Strength rating below B+.   | 15.0%   | 6.69%            | Yes                |                        |
| A maximum of 5% of the portfolio may be invested in the securities of an individual corporation.  | 5.0%    | 4.90%            | Yes                | Largest Position Noted |
| A maximum of 10% of the portfolio, valued at market, may be invested in convertible issues (must have rating of Baa/BBB or better).   | 10.0%   | 0.00%            | Yes                |                        |
| A maximum of 5% of the portfolio, valued at market, may be invested in any one convertible issuer.  | 5.0%    | 0.00%            | Yes                |                        |
| Maximum of 20% of the Portfolio, valued at market, may be invested in ADRs and common stocks of corporations organized under the laws of any country other than the United States, which are traded primarily on a US stock exchange. | 20.0%   | 8.89%            | Yes                |                        |





For the Periods Ending September 30, 2018

### Risk / Return Since Nov 2006

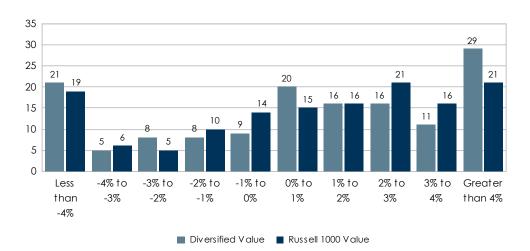


### Portfolio Statistics Since Nov 2006

|                        | Diversified<br>Value | Russell<br>1000 Value |
|------------------------|----------------------|-----------------------|
| Return (%)             | 6.44                 | 6.65                  |
| Standard Deviation (%) | 18.41                | 15.04                 |
| Sharpe Ratio           | 0.31                 | 0.39                  |

| Benchmark Relative Statistics |        |  |  |
|-------------------------------|--------|--|--|
|                               |        |  |  |
| Beta                          | 1.17   |  |  |
| R Squared (%)                 | 90.79  |  |  |
| Alpha (%)                     | -0.91  |  |  |
| Tracking Error (%)            | 6.12   |  |  |
| Batting Average (%)           | 55.24  |  |  |
| Up Capture (%)                | 115.82 |  |  |
| Down Capture (%)              | 114.66 |  |  |

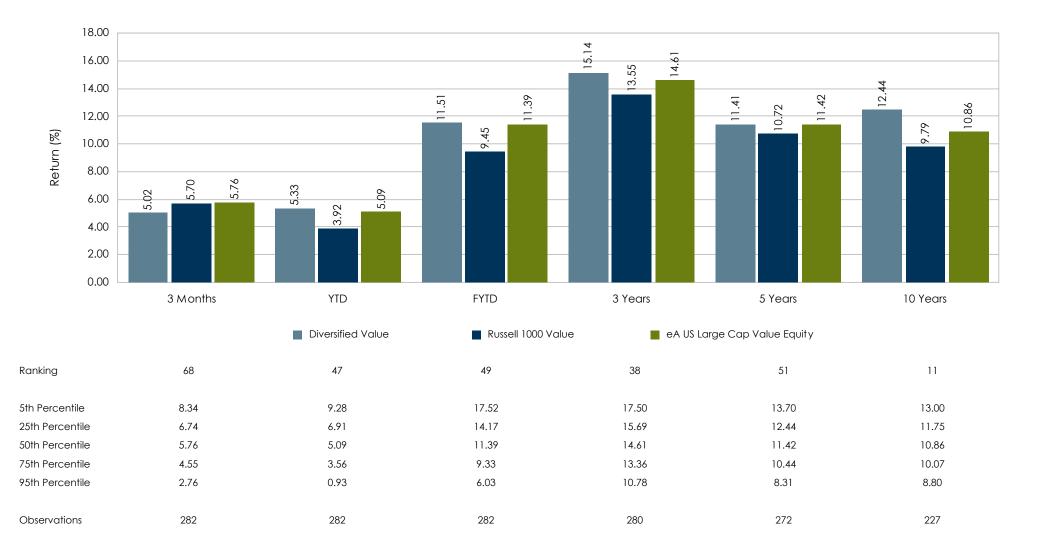
# Return Histogram Since Nov 2006



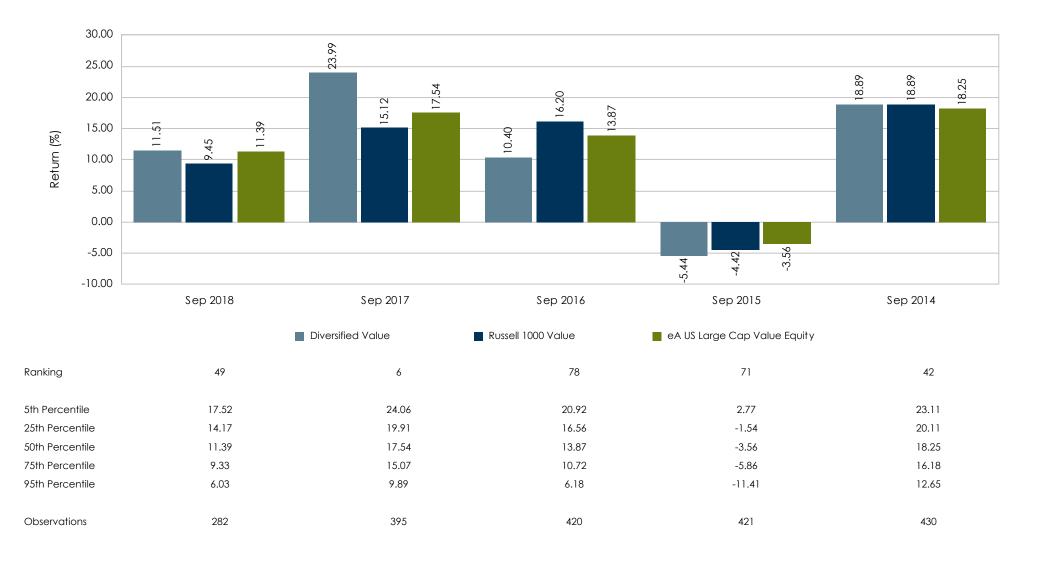
### Return Analysis Since Nov 2006

|                            | Diversified<br>Value | Russell<br>1000 Value |
|----------------------------|----------------------|-----------------------|
| Number of Months           | 143                  | 143                   |
| Highest Monthly Return (%) | 15.99                | 11.45                 |
| Lowest Monthly Return (%)  | -16.08               | -17.31                |
| Number of Positive Months  | 92                   | 89                    |
| Number of Negative Months  | 51                   | 54                    |
| % of Positive Months       | 64.34                | 62.24                 |
|                            |                      |                       |

For the Periods Ending September 30, 2018



For the One Year Periods Ending September



# **Investment Guidelines**

# Hotchkis & Wiley Diversified Value

| Ifolio Sector Allocations  | Maximum | Actual Portfolio | Within Guidelines? | Comments                 |
|--|---------|------------------|--------------------|--------------------------|
| kimum sector concentration shall be no more than 35% for any sector as ned by the Standard & Poor's GICS.  |         |                  |                    |                          |
| CommunicationServices  | 35.00%  | 9.82%            | Yes                |                          |
| Consumer Discretionary   | 35.00%  | 6.04%            | Yes                |                          |
| Consumer Staples   | 35.00%  | 4.30%            | Yes                |                          |
| Energy   | 35.00%  | 15.33%           | Yes                |                          |
| Financials   | 35.00%  | 28.34%           | Yes                |                          |
| Health Care  | 35.00%  | 6.89%            | Yes                |                          |
| Industrials  | 35.00%  | 9.41%            | Yes                |                          |
| Information Technology   | 35.00%  | 15.52%           | Yes                |                          |
| Materials  | 35.00%  | 1.03%            | Yes                |                          |
| Real Estate  | 35.00%  | 0.00%            | Yes                |                          |
| Utilities  | 35.00%  | 2.23%            | Yes                |                          |
| cation   | Max. %  | Actual Portfolio | Within Guidelines? | Comments                 |
| A maximum of 10% of the portfolio, valued at market, may be invested in cash.  | 10.0%   | 1.09%            | Yes                |                          |
| The portfolio shall not own more than 5% of the outstanding common stock of any individual corporation.  | 5.0%    | N/A              | Yes                |                          |
| A maximum of 7.5% of the portfolio may be invested in the securities of an individual corporation.   | 7.5%    | 4.85%            | Yes                | Largest Positic<br>Noted |
| A maximum of 10% of the portfolio, valued at market, may be invested in convertible issues (must have rating of Baa/BBB or better).  | 10.0%   | 0.00%            | Yes                |                          |
| A maximum of 5% of the portfolio, valued at market, may be invested in any one convertible issuer.   | 5.0%    | 0.00%            | Yes                |                          |
| A maximum of 20% of the portfolio, valued at cost, may be invested in common stocks of corporations that are organized under the laws of any country other than the United States and traded on the NYSE, AMEX, or NASDAQ. | 20.0%   | 18.19%           | No                 |                          |

For the Periods Ending September 30, 2018

### **Portfolio Description**

- Strategy Small to Mid (SMID) (Strategy change in 2010)
- Manager Atlanta Capital Management Company
- Vehicle Separately Managed Account
- Benchmark A blend of Russell 2500 and Russell 2000
- Performance Inception Date January 2000
- Fees Manager Fee 45 bps; Admin Fee 14.5 bps
- **Total Expenses** Approximately 63 bps

### **Portfolio Information**

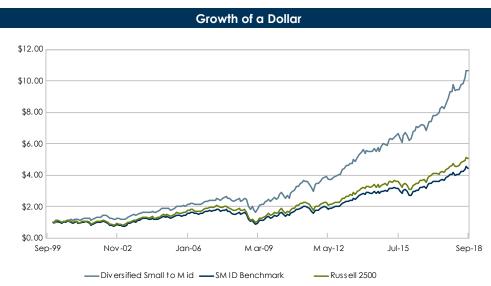
- Minimum initial investment \$50,000
- Minimum subsequent investments \$5,000
- Minimum redemption \$5,000
- The Portfolio is open once a month, on the first business day following the Portfolio Valuation date, to accept Member contributions or redemptions.
- The Portfolio is valued on the last business day of the month.
- The Administrator must have advance written notification of Member contributions or redemptions.

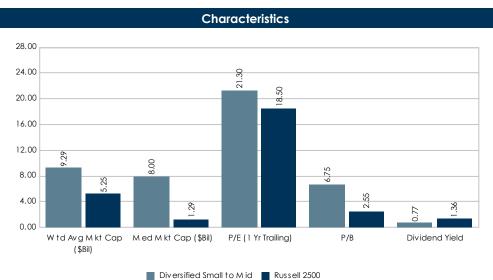
### **Portfolio Objectives and Constraints**

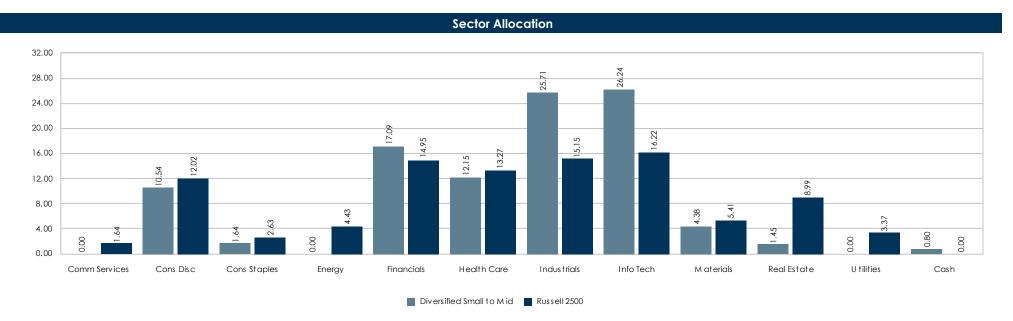
- Invests in small to mid cap core style common stocks of companies domiciled in the US or traded on the New York Stock Exchange.
- Outperform a blended index of the Russell 2500 beginning June 1, 2010 and the Russell 2000 prior to that, over a complete market cycle (usually 3 to 5 years).
- Rank above median in a relevant peer group universe.
- Stock values fluctuate in response to the activities of individual companies, the general market and economic conditions. Shares of the Portfolio are neither insured nor guaranteed by any US Government agency, including the FDIC.

### **Dollar Growth Summary (\$000s)**

|                        | 3 Months | FYTD    |
|------------------------|----------|---------|
| Beginning Market Value | 128,379  | 120,571 |
| Net Additions          | -642     | -11,972 |
| Return on Investment   | 10,720   | 29,859  |
| Income                 | 271      | 1,158   |
| Gain/Loss              | 10,449   | 28,701  |
| Ending Market Value    | 138,458  | 138,458 |

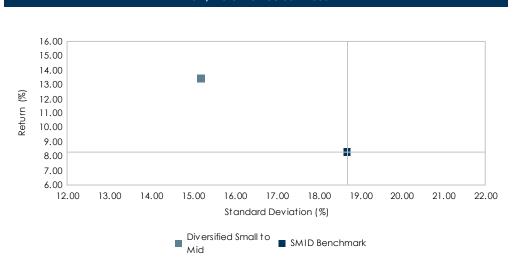






For the Periods Ending September 30, 2018

### Risk / Return Since Jan 2000

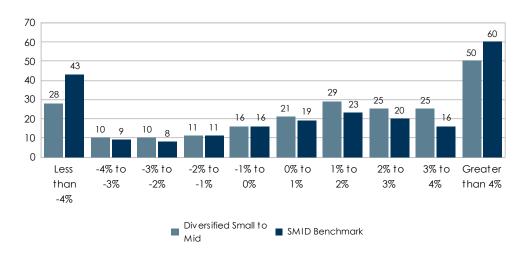


### Portfolio Statistics Since Jan 2000

|                        | Diversified  | SMID      |
|------------------------|--------------|-----------|
|                        | Small to Mid | Benchmark |
| Return (%)             | 13.46        | 8.29      |
| Standard Deviation (%) | 15.20        | 18.69     |
| Sharpe Ratio           | 0.78         | 0.36      |

| Benchmark Relative Statistics |       |  |  |
|-------------------------------|-------|--|--|
|                               |       |  |  |
| Beta                          | 0.74  |  |  |
| R Squared (%)                 | 83.09 |  |  |
| Alpha (%)                     | 6.82  |  |  |
| Tracking Error (%)            | 7.90  |  |  |
| Batting Average (%)           | 52.44 |  |  |
| Up Capture (%)                | 85.34 |  |  |
| Down Capture (%)              | 68.23 |  |  |
|                               |       |  |  |

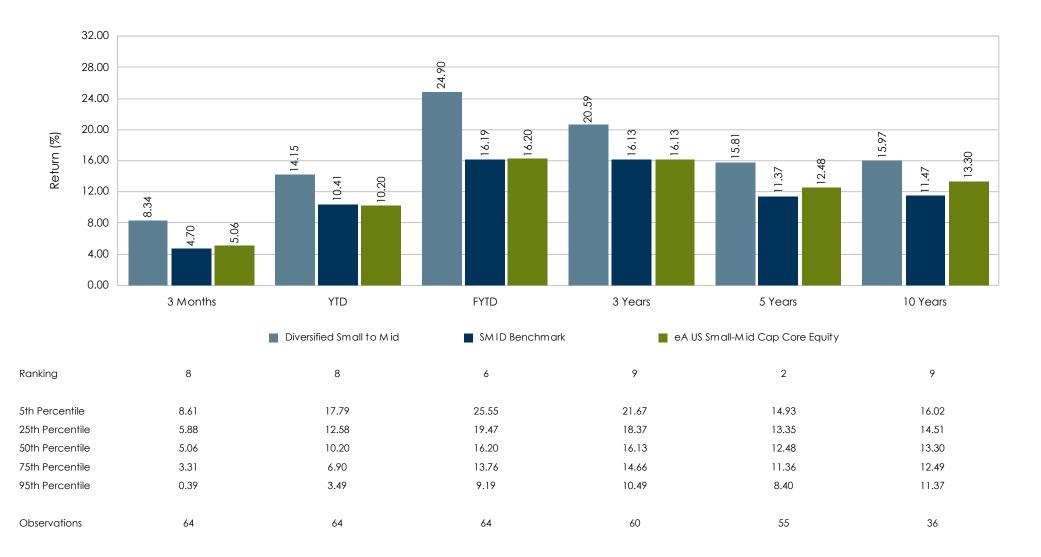
# Return Histogram Since Jan 2000



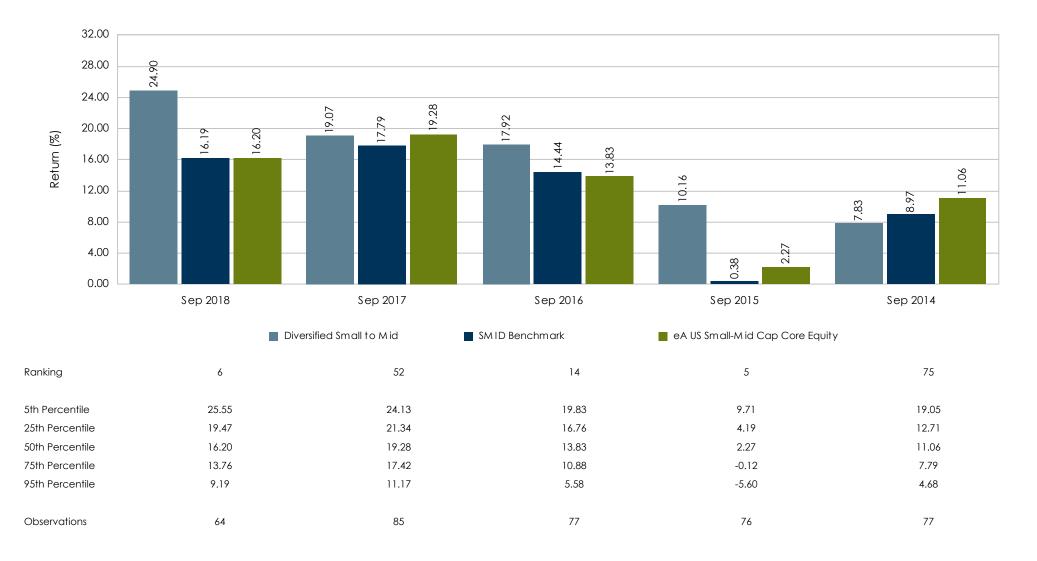
### Return Analysis Since Jan 2000

|                            | Diversified<br>Small to Mid | SMID<br>Benchmark |
|----------------------------|-----------------------------|-------------------|
| Number of Months           | 225                         | 225               |
| Highest Monthly Return (%) | 15.00                       | 16.51             |
| Lowest Monthly Return (%)  | -16.30                      | -20.80            |
| Number of Positive Months  | 150                         | 138               |
| Number of Negative Months  | 75                          | 87                |
| % of Positive Months       | 66.67                       | 61.33             |
|                            |                             |                   |

For the Periods Ending September 30, 2018



For the One Year Periods Ending September



# **Investment Guidelines**

# Diversified Small to Mid (SMID) Cap Equity Portfolio

| Portfolio Sector Allocations   | Maximum | Actual Portfolio | Within Guidelines? | Comments               |
|--|---------|------------------|--------------------|------------------------|
|  |         |                  |                    |                        |
| Maximum sector concentration shall be no more than 30% in any one sector   |         |                  |                    |                        |
| CommunicationServices  | 30.00%  | 0.00%            | Yes                |                        |
| Consumer Discretionary   | 30.00%  | 10.54%           | Yes                |                        |
| Consumer Staples   | 30.00%  | 1.64%            | Yes                |                        |
| Energy   | 30.00%  | 0.00%            | Yes                |                        |
| Financials   | 30.00%  | 17.09%           | Yes                |                        |
| Health Care  | 30.00%  | 12.15%           | Yes                |                        |
| Industrials  | 30.00%  | 25.71%           | Yes                |                        |
| Information Technology   | 30.00%  | 26.24%           | Yes                |                        |
| Materials  | 30.00%  | 4.38%            | Yes                |                        |
| Real Estate  | 30.00%  | 1.45%            | Yes                |                        |
| Utilities  | 30.00%  | 0.00%            | Yes                |                        |
| Allocation   | Max. %  | Actual Portfolio | Within Guidelines? | Comments               |
| A maximum of 10% of the portfolio, valued at market, may be invested in cash.  | 10.00%  | 0.80%            | Yes                |                        |
| A maximum of 25% of the portfolio may be held in securities that have an S&P equity ranking or Value Line Financial Strength rating below B+.  | 25.00%  | 21.22%           | Yes                |                        |
| A maximum of 5% of the portfolio may be invested in the securities of an individual corporation.   | 5.00%   | 4.24%            | Yes                | Largest Position Noted |
| A maximum of 10% of the portfolio, valued at market, may be invested in convertible issues (must have rating of Baa/BBB or better).  | 10.00%  | 0.00%            | Yes                |                        |
| A maximum of 5% of the portfolio, valued at market, may be invested in any one convertible issuer.   | 5.00%   | 0.00%            | Yes                |                        |
| A maximum of 10% of the portfolio, valued at cost, may be invested in common stocks of corporations that are organized under the laws of any country other than the United States and traded on the NYSE, AMEX, or NASDAQ. | 10.00%  | 0.00%            | Yes                |                        |

For the Periods Ending September 30, 2018

### **Portfolio Description**

- Strategy International Equity
- Manager Investec Asset Management and Wells Capital Management
- Vehicle Non-Mutual Commingled
- Benchmark MSCI ACWI ex US
- Performance Inception Date June 2005 (Manager changes April 2011, October 2014 & October 2017)
- Fees Manager Fee 43 bps; Admin Fee 14.5 bps
- **Total Expenses** Approximately 62 bps

### **Portfolio Information**

- Minimum initial investment \$50,000
- Minimum subsequent investments \$5,000
- Minimum redemption \$5,000
- The Portfolio is open once a month, on the first business day following the Portfolio Valuation date, to accept Member contributions or redemptions.
- The Portfolio is valued on the last business day of the month.
- The Administrator must have advance written notification of Member contributions or redemptions.

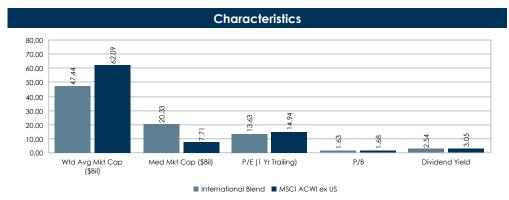
### **Portfolio Objectives and Constraints**

- Invests in developed and emerging markets outside the US. Maintains approximately equal weightings to both growth and value securities through a systematic rebalancing process.
- Outperform the MSCI ACWI ex US over a complete market cycle (usually 3 to 5 years).
- Rank above median in a relevant peer group universe.
- Stock values fluctuate in response to the activities of individual companies, the general market and economic conditions. Investments in foreign securities generally pose greater risk than domestic securities.

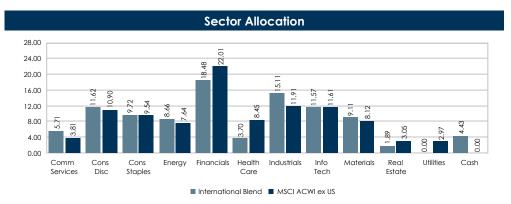
# Dollar Growth Summary (\$000s)

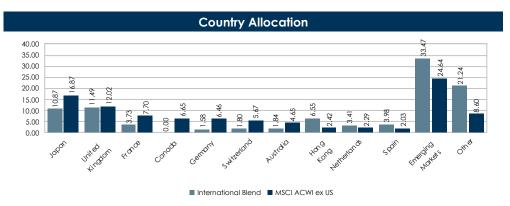
|                        | 3 Months | FYTD    |
|------------------------|----------|---------|
| Beginning Market Value | 121,750  | 89,210  |
| Net Additions          | -222     | 31,776  |
| Return on Investment   | 487      | 1,028   |
| Ending Market Value    | 122,014  | 122,014 |

| Manager Allocation                  |                          |                   |  |  |  |  |  |  |  |
|-------------------------------------|--------------------------|-------------------|--|--|--|--|--|--|--|
| Name                                | Market<br>Value (\$000s) | Allocation<br>(%) |  |  |  |  |  |  |  |
| Total International Blend           | 122,014                  | 100.00            |  |  |  |  |  |  |  |
| Investec International Dynamic Fund | 107,184                  | 87.85             |  |  |  |  |  |  |  |
| Wells Capital EM Large/Mid Cap Fund | 14,830                   | 12.15             |  |  |  |  |  |  |  |



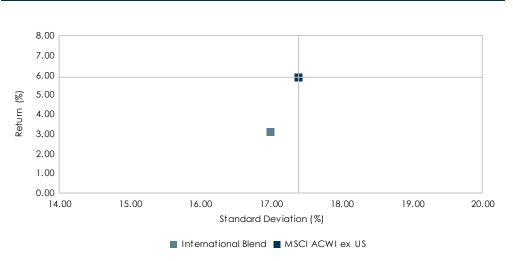
| Dollar Growth Summary (\$000s) |          |         |  |  |  |  |  |
|--------------------------------|----------|---------|--|--|--|--|--|
|                                | 3 Months | FYTD    |  |  |  |  |  |
| Beginning Market Value         | 121,750  | 89,210  |  |  |  |  |  |
| Net Additions                  | -222     | 31,776  |  |  |  |  |  |
| Return on Investment           | 487      | 1,028   |  |  |  |  |  |
| Ending Market Value            | 122,014  | 122,014 |  |  |  |  |  |





For the Periods Ending September 30, 2018

### Risk / Return Since Jul 2005

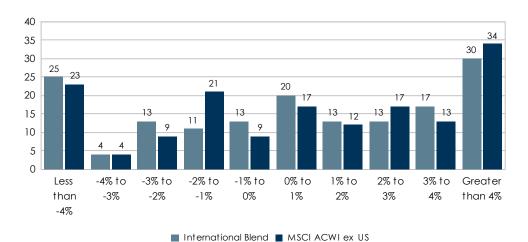


### Portfolio Statistics Since Jul 2005

|                        | International | MSCI       |
|------------------------|---------------|------------|
|                        | Blend         | ACWI ex US |
| Return (%)             | 3.07          | 5.86       |
| Standard Deviation (%) | 17.00         | 17.39      |
| Sharpe Ratio           | 0.11          | 0.27       |

| Benchmark Relative Statistics |        |  |  |  |  |  |  |  |  |
|-------------------------------|--------|--|--|--|--|--|--|--|--|
| 0.05                          |        |  |  |  |  |  |  |  |  |
| Beta                          | 0.95   |  |  |  |  |  |  |  |  |
| R Squared (%)                 | 94.98  |  |  |  |  |  |  |  |  |
| Alpha (%)                     | -2.37  |  |  |  |  |  |  |  |  |
| Tracking Error (%)            | 3.90   |  |  |  |  |  |  |  |  |
| Batting Average (%)           | 45.28  |  |  |  |  |  |  |  |  |
| Up Capture (%)                | 89.37  |  |  |  |  |  |  |  |  |
| Down Capture (%)              | 101.72 |  |  |  |  |  |  |  |  |
|                               |        |  |  |  |  |  |  |  |  |

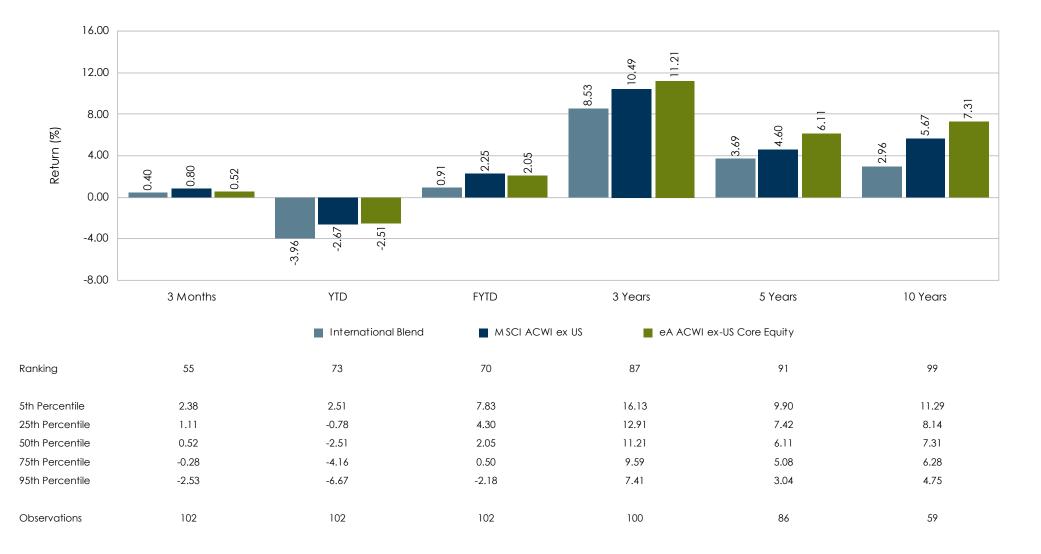
### Return Histogram Since Jul 2005



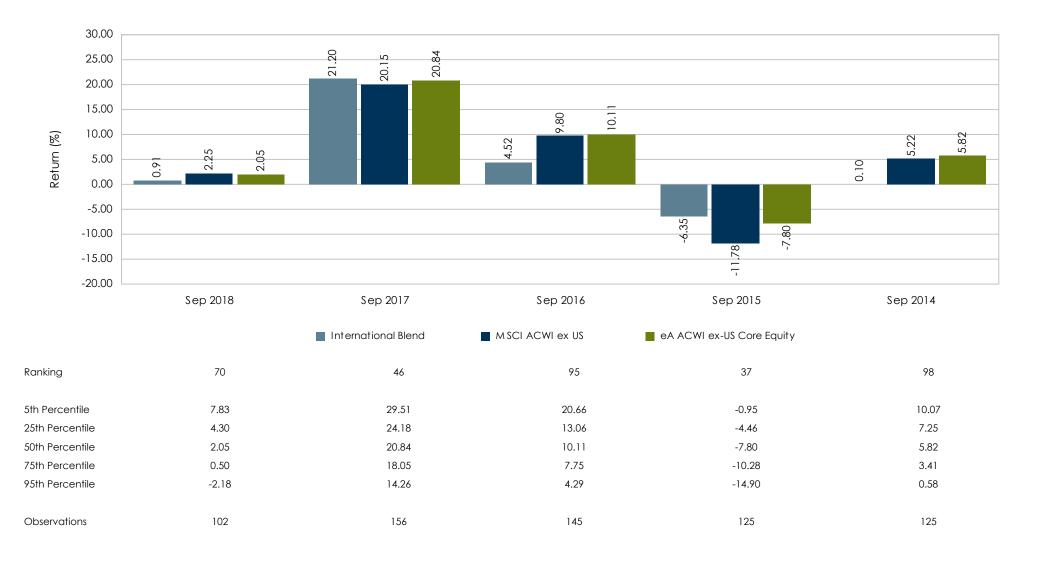
Return Analysis Since Jul 2005

|                            | International<br>Blend | MSCI<br>ACWI ex US |
|----------------------------|------------------------|--------------------|
| Number of Months           | 159                    | 159                |
| Highest Monthly Return (%) | 12.03                  | 13.75              |
| Lowest Monthly Return (%)  | -21.48                 | -22.01             |
| Number of Positive Months  | 93                     | 93                 |
| Number of Negative Months  | 66                     | 66                 |
| % of Positive Months       | 58.49                  | 58.49              |

For the Periods Ending September 30, 2018



For the One Year Periods Ending September



# **Investment Guidelines**

# **International Equity Portfolio**

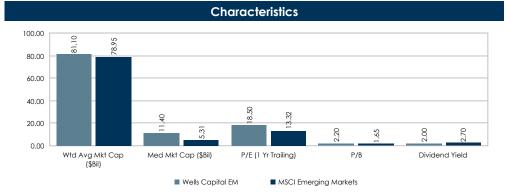
| Manager Allocations   | Target % | Range%     | Actual Portfolio | Within Guidelines? | Comments |
|---|----------|------------|------------------|--------------------|----------|
| Investec International Dynamic Equity Fund                                    | 90.00%   | 80% - 100% | 87.85%           | Yes                |          |
| Wells Fargo Berkeley Street EM Large/Mid Cap Fund                             | 10.00%   | 0% - 20%   | 12.15%           | Yes                |          |
| Allocation  |          | Max. %     | Actual Portfolio | Within Guidelines? | Comments |
| A maximum of 10% of the portfolio, valued at market, may be invested in cash. |          | 10.0%      | 4.43%            | Yes                |          |

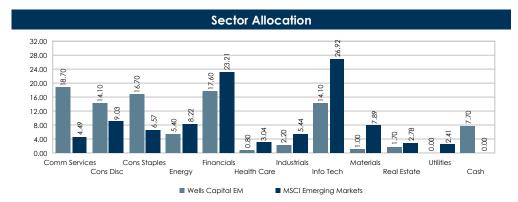
# Wells Capital EM Large/Mid Cap Fund

For the Periods Ending September 30, 2018

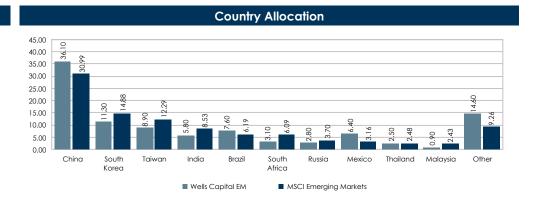
### **Account Description**

- Strategy Emerging Markets Equity
- Vehicle Non-Mutual Commingled
- Benchmark MSCI Emerging Markets
- Performance Inception Date November 2017



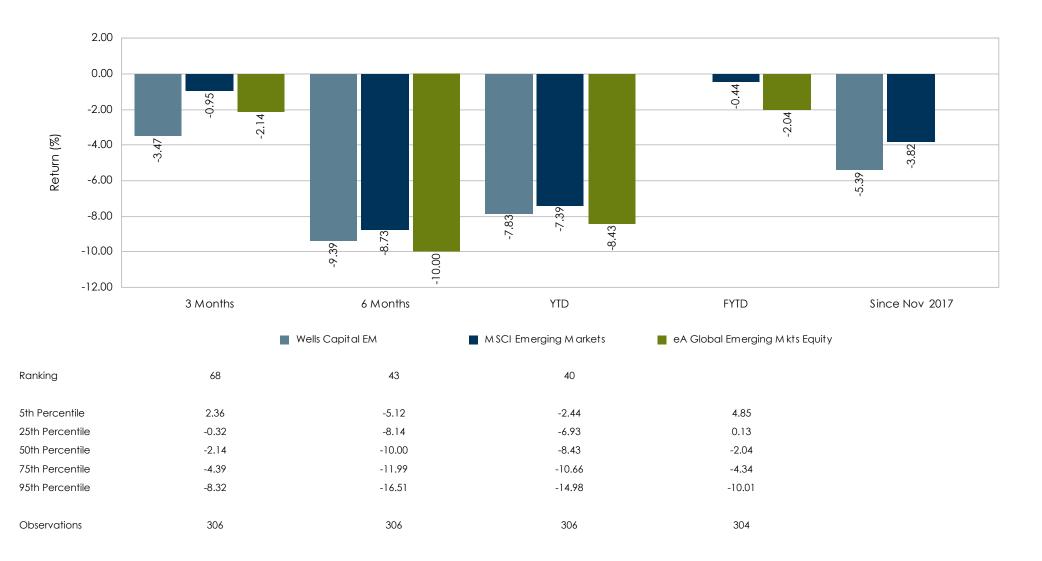


# Dollar Growth Summary (\$000s) 3 Months FYTD Beginning Market Value 15,390 0 Net Additions -25 15,869 Return on Investment -535 -1,038 Ending Market Value 14,830 14,830



# Wells Capital EM Large/Mid Cap Fund

For the Periods Ending September 30, 2018



### FMIvT Core Real Estate Portfolio

For the Periods Ending September 30, 2018

| Portfolio Descrip | otion |
|-------------------|-------|
|-------------------|-------|

- **Strategy** Core Real Estate
- Manager Morgan Stanley Real Estate Advisor, Inc.
- Vehicle Non-Mutual Commingled
- Benchmark NFI ODCE Net Index
- Performance Inception Date April 2018
- Fees Manager Fees 124 bps; Admin Fees 14.5 bps
- **Total Expenses** Approximately 141 bps

### **Portfolio Information**

- Minimum initial investment \$50,000
- Minimum subsequent investments \$5,000
- Minimum redemption \$5,000 or Member's entire remaining account balance if the Member's balance falls below \$50,000
- The Portfolio is open once a quarter, on the first business day following the Portfolio Valuation date, to accept Member contributions or redemptions.
- The Portfolio is valued on the last business day of the calendar quarter.
- The Administrator must have written notification five business days prior to the valuation of the Portfolio of Member contributions or redemptions.

### **Portfolio Objectives and Constraints**

- Invests in real estate properties diversified by type and location.
- Outperform the NFI ODCE Net index on an annual basis.

### **Dollar Growth Summary (\$000s)**

|                        | 3 Months | FYTD    |
|------------------------|----------|---------|
| Beginning Market Value | 100,454  | 0       |
| Net Additions          | -338     | 99,601  |
| Return on Investment   | 2,228    | 2,743   |
| Ending Market Value    | 102,344  | 102,344 |

### **FMIvT Core Real Estate Portfolio**

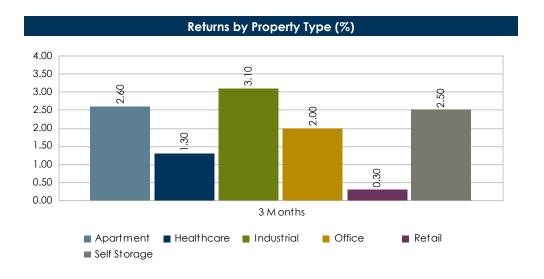
For the Periods Ending September 30, 2018

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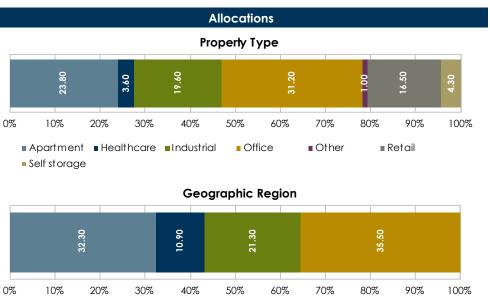
- Strategy Core Real Estate
- Vehicle Non-Mutual Commingled
- Benchmark NFI ODCE Net
- Performance Inception Date April 2018

|   |            | •  |   |   |        |   |   |     | $\overline{}$ |                            | - 1 |      |
|---|------------|----|---|---|--------|---|---|-----|---------------|----------------------------|-----|------|
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|   | GΙ         | ıv | и | ш | ч      | ш | u | ┖ ' | J             | v                          | ч   | -    |

- Invests in real estate properties diversified by type and location.
- Outperform the NFI ODCE Net index on an annual basis.







■ Midwest ■ South

West

East

# **FMIvT Core Real Estate Portfolio**

