

**Oklahoma Police Pension & Retirement System**

***Investment Performance Review***

*June 30, 2016*



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## **Market Overview**

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## Market Overview

*For the Period Ending June 30, 2016*

US economic growth during the first quarter expanded more than previously estimated, driven by improved trade and business investment, but remained at a tepid pace of 1.1%. This economic momentum appeared to have carried through to the second quarter as data in both the consumer and business sector pointed to a solid-growth rebound. Still, while the Federal Reserve (Fed) maintained their optimism about the economic outlook, concerns regarding international developments and their potential impact on financial conditions caused policy makers to lower expectations on the pace of raising interest rates.

### ***The pace of employment growth surged in June...***

The economy added 287,000 jobs in June; the largest monthly increase since 295,000 in October 2015, following total gains of 155,000 the prior two months. Despite the rebound in June, the pace of hiring is moderating. Over the past six months, payrolls have increased by an average of 172,000 per month, softer than the run rate of 229,000 per month in 2015. In June, the unemployment rate increased more than analysts expected, rising to 4.9% from 4.7% reflecting an influx of job-seekers into the labor market. The broader U-6 unemployment rate, which includes part-time workers wanting to be employed full-time, dropped to 9.6%, the lowest since April 2008.

### ***Consumer spending supporting economic growth...***

A healthy pace of job growth and a pickup in wages is bolstering consumer confidence, giving households the wherewithal to loosen their purse strings. Consumer spending for June rose an estimated 0.4%. This follows the same reading in May and a strong 1.1% advance in April. Moreover, recent forecasts from the Atlanta Federal Reserve for second quarter real gross domestic product estimate growth of 2.3% indicating the economy rebounded from the slow start to the year.

### ***Business activity providing further evidence of economic momentum...***

Factory activity expanded in June at the fastest pace in more than a year, suggesting the manufacturing sector is gaining traction. The Institute for Supply Management's (ISM) factory gauge increased to 53.2, the highest since February 2015. Readings higher than 50 indicate growth in the industry. The non-manufacturing ISM index, that covers services and construction, rose firmly in June, as details showed an increase in new orders and business output. Taken together, the ISM data provides encouraging signs that growth could continue into the second half of 2016.

The Federal Reserve maintained optimism the economy was strengthening, expressing confidence that rising wages and consumer spending would support improvement in labor market conditions. Likewise, the Fed reiterated that interest rates are likely to rise at a "gradual" pace. However, Britain's June 23 vote to leave the European Union (EU) left policy makers concerned about the potential impact on the US economic outlook. Although they retained their forecast for two quarter-point increases in 2016, the timing is now less clear.



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## Market Overview

*For the Period Ending June 30, 2016*

### Global Equities

US stocks ended the second quarter with modest gains despite the turmoil caused by Britain's vote to leave the EU. The S&P 500 index advanced 2.5%. The index experienced extreme volatility toward the end of quarter in the wake of the Britain's surprise decision, but rallied during the final days after central banks conveyed their willingness to raise stimulative measures to support economic growth. Still, the uncertainty created by the vote led to a flight to quality in equities as investors shifted into defensive sectors and safe-haven investments. The telecommunication services, healthcare and utilities sectors rose nearly 6%, while consumer discretionary and information technology were the only sectors to post declines. The increase in oil prices from \$38.34 per barrel in March to a high of \$51.23 per barrel in early June boosted energy stocks with a quarterly gain of 10.8%. Small cap stocks rose 3.8% and mid cap stocks posted a return of 3.2%. European stocks declined in the second quarter, with the MSCI Europe index declining 2.3%. The index had advanced in both April and May, but questions about the region's economic growth following Britain's vote to leave unnerved investors. The Japanese stock market fell amid a strengthening yen and a decision by the Bank of Japan to keep monetary stimulus steady. Overall, the MSCI Japan index declined 8% in local currency, but the strengthening yen benefited USD investors, as the index rose 1%, in USD terms. Emerging markets edged higher benefiting from the shift to a more dovish tone by the Fed. Latin American equities were the clear winners, as the MSCI Brazil index jumped 14%, after President Dilma Rousseff was formally suspended on impeachment charges.

## Market Overview

For the Period Ending June 30, 2016

### Global Bonds

The flight to quality trade helped send government bond prices higher during the quarter and yields to record lows. Markets had anticipated Britain would remain in the EU, and subsequently rotated out of riskier fixed income investments thereby exacerbating market volatility. The yield on Britain's 10-year gilts touched a record low after the Bank of England Governor Mark Carney said that officials will probably have to ease monetary policy later in 2016 to help offset a likely economic slowdown. The yield fell from 1.42% at the end of March to 0.87% by the end of Q216. Euro zone 10-year bund yields declined from 0.15% to -0.13%. However, euro zone periphery yields were relatively unchanged as investors weighed potential future implications for economic growth. Italian 10-year yields rose 4 basis points (bps) to 1.26%. The 10-year US Treasury yield fell from 1.77% to 1.47%, while demand for long-dated bonds pushed the 30-year yield down 33 bps to 2.29%. The BofA Merrill Lynch US Treasury index rose 2.2% in Q216, after a 3.4 % quarterly gain in Q116. Declines in interest rates drove performance in US investment grade bonds in Q216. Yields on the Barclays US Investment Grade index fell to 2.88% from 3.21% in March. US high yield bonds gained 5.5% in the quarter led by an 18.3% surge in energy junk bonds, which were supported by oil prices that stabilized near \$50 per barrel. US dollar emerging market bonds, as measured by the JPMorgan EMBI Global index, rose 5.4%, as investors reached for yield within a record low interest rate environment. The JPMorgan GBI Global Diversified index of local currency government debt gained 3.2%.

#### Economy at a Glance

| Recent growth indicators                       | Mar-16 | Apr-16 | May-16 | Jun-16 |
|------------------------------------------------|--------|--------|--------|--------|
| ISM Manufacturing Composite*                   | 51.8   | 50.8   | 51.3   | 53.2   |
| ISM Non-Manufacturing Composite*               | 54.5   | 55.7   | 52.9   | 56.5   |
| U. of Michigan Survey of Consumer Confidence** | 91.0   | 89.0   | 94.7   | 93.5   |
| Change in Payrolls (m-o-m, 000)***             | 186    | 144    | 11     | 287    |
| Personal Income (% m-o-m)****                  | 0.3    | 0.5    | 0.2    | na     |
| Personal Spending (% m-o-m)****                | 0      | 1.1    | 0.4    | na     |

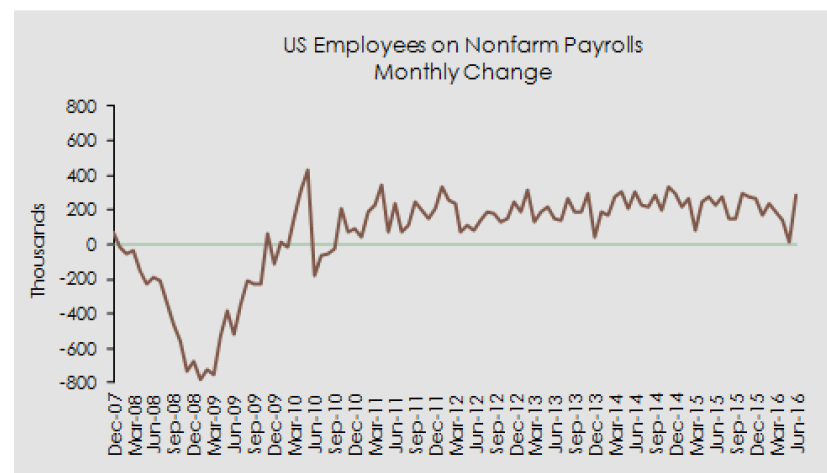
#### Sources:

\*Institute for Supply Management

\*\*U. of Michigan Survey Research

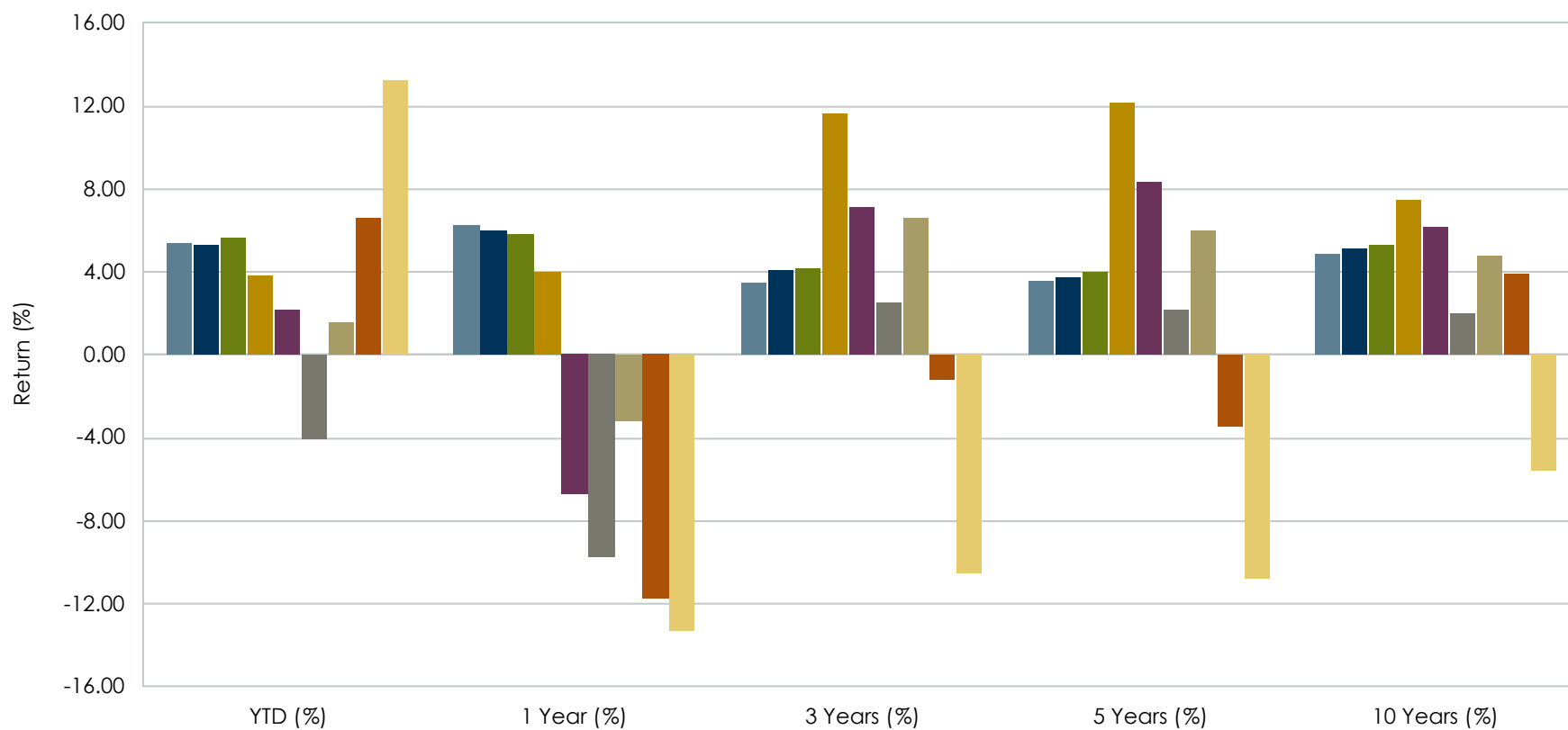
\*\*\*Bureau of Labor Statistics

\*\*\*\*Bureau of Economic Analysis



## Market Environment

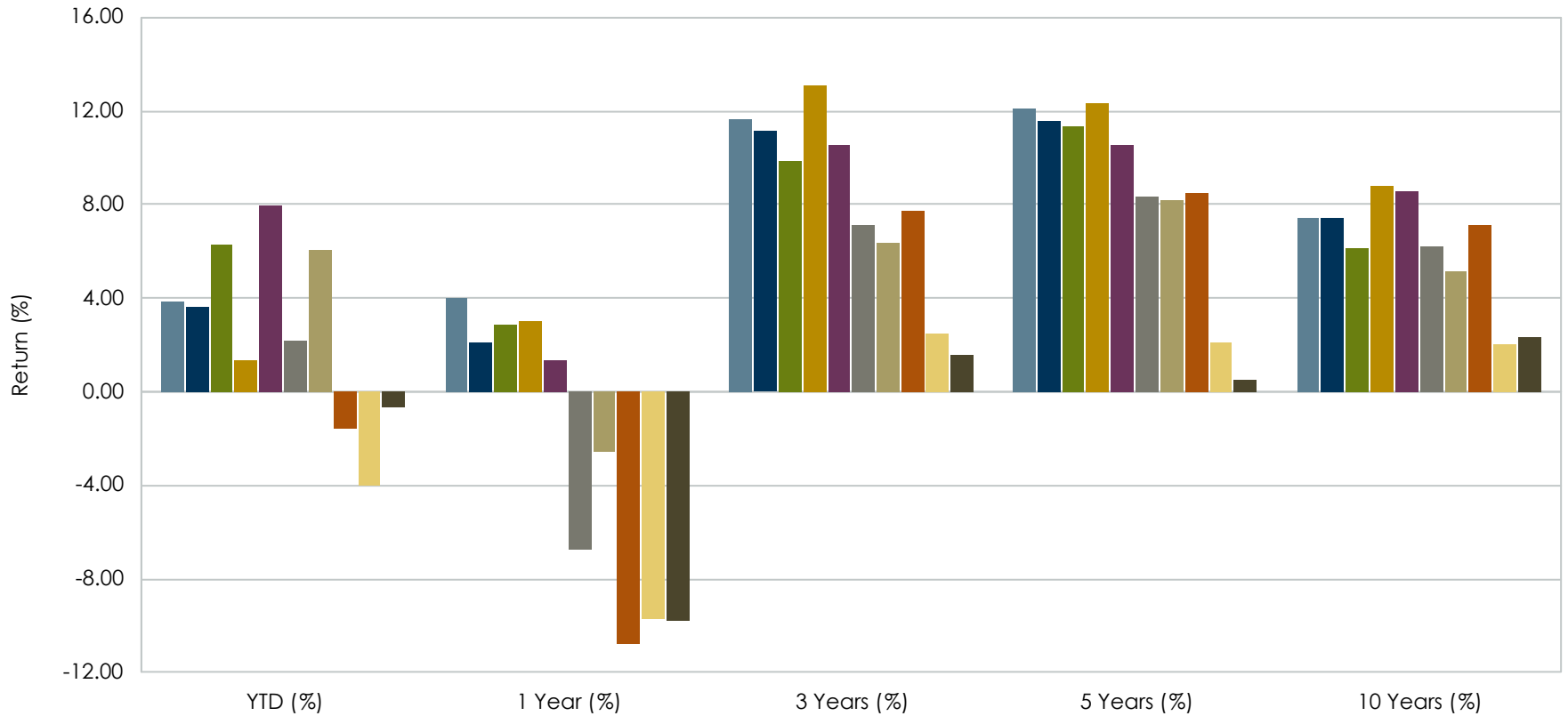
For the Periods Ending June 30, 2016



|                       |       |        |        |        |       |
|-----------------------|-------|--------|--------|--------|-------|
| Barclays US Treasury  | 5.37  | 6.22   | 3.51   | 3.53   | 4.86  |
| Barclays US Aggregate | 5.31  | 6.00   | 4.06   | 3.76   | 5.13  |
| Barclays Universal    | 5.68  | 5.82   | 4.20   | 4.01   | 5.30  |
| S&P 500               | 3.84  | 3.99   | 11.66  | 12.10  | 7.42  |
| Russell 2000          | 2.22  | -6.73  | 7.09   | 8.35   | 6.20  |
| MSCI EAFE             | -4.04 | -9.72  | 2.52   | 2.15   | 2.05  |
| MSCI ACWI             | 1.58  | -3.17  | 6.60   | 5.95   | 4.82  |
| MSCI Emerging Markets | 6.60  | -11.71 | -1.21  | -3.44  | 3.88  |
| Bloomberg Commodity   | 13.25 | -13.32 | -10.55 | -10.82 | -5.59 |

## Equity Index Returns

For the Periods Ending June 30, 2016

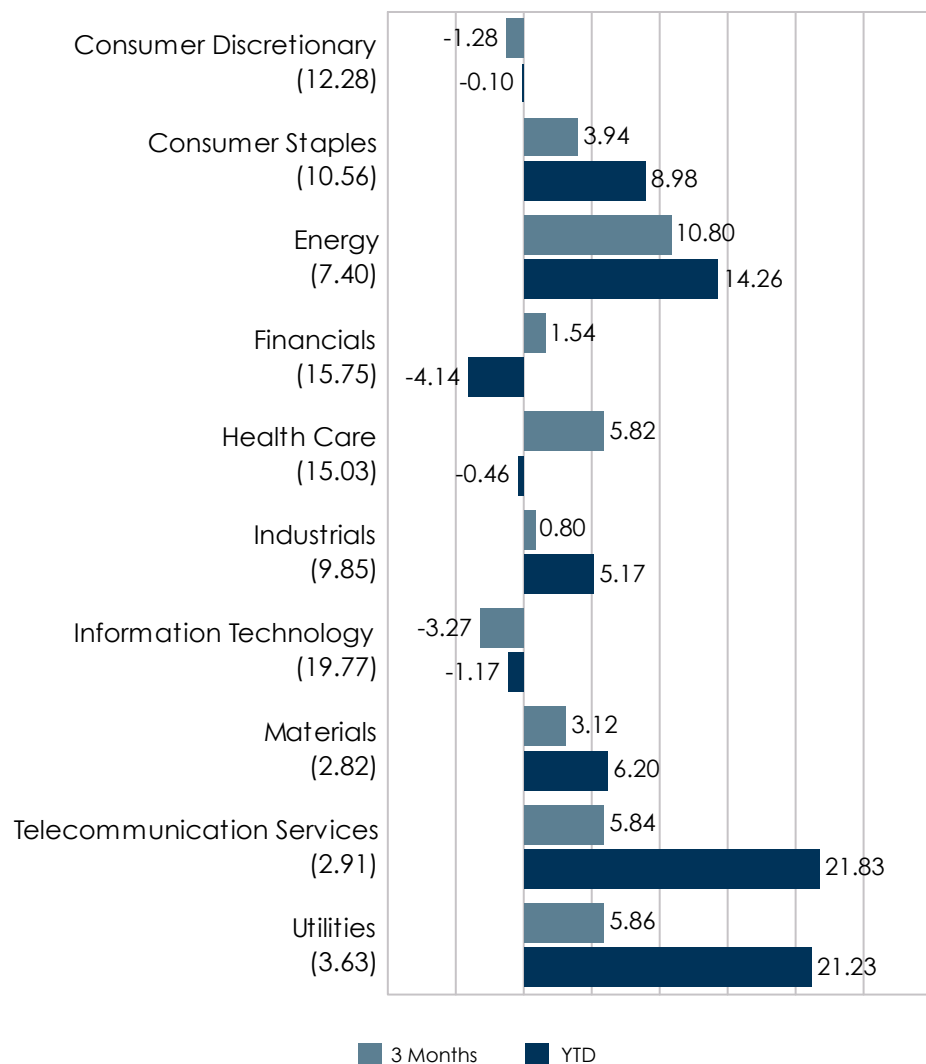


|                     |       |        |       |       |      |
|---------------------|-------|--------|-------|-------|------|
| S&P 500             | 3.84  | 3.99   | 11.66 | 12.10 | 7.42 |
| Russell 3000        | 3.62  | 2.14   | 11.13 | 11.60 | 7.40 |
| Russell 1000 Value  | 6.30  | 2.86   | 9.87  | 11.35 | 6.13 |
| Russell 1000 Growth | 1.36  | 3.02   | 13.07 | 12.35 | 8.78 |
| S&P Mid Cap 400     | 7.93  | 1.33   | 10.53 | 10.55 | 8.55 |
| Russell 2000        | 2.22  | -6.73  | 7.09  | 8.35  | 6.20 |
| Russell 2000 Value  | 6.08  | -2.58  | 6.36  | 8.15  | 5.15 |
| Russell 2000 Growth | -1.59 | -10.75 | 7.74  | 8.51  | 7.15 |
| MSCI EAFE           | -4.04 | -9.72  | 2.52  | 2.15  | 2.05 |
| MSCI ACWI ex US     | -0.67 | -9.80  | 1.62  | 0.56  | 2.33 |

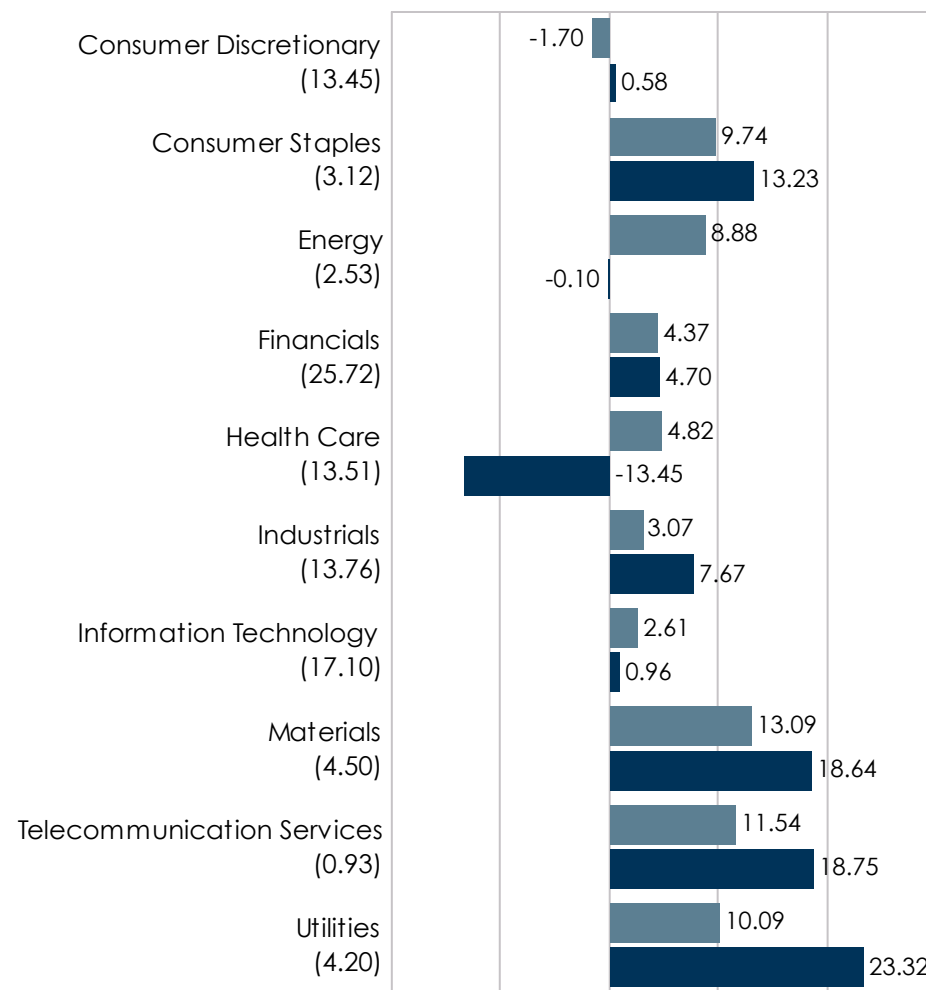
## US Markets - Performance Breakdown

For the Periods Ending June 30, 2016

### S&P 500 - Sector Returns (%)



### Russell 2000 - Sector Returns (%)



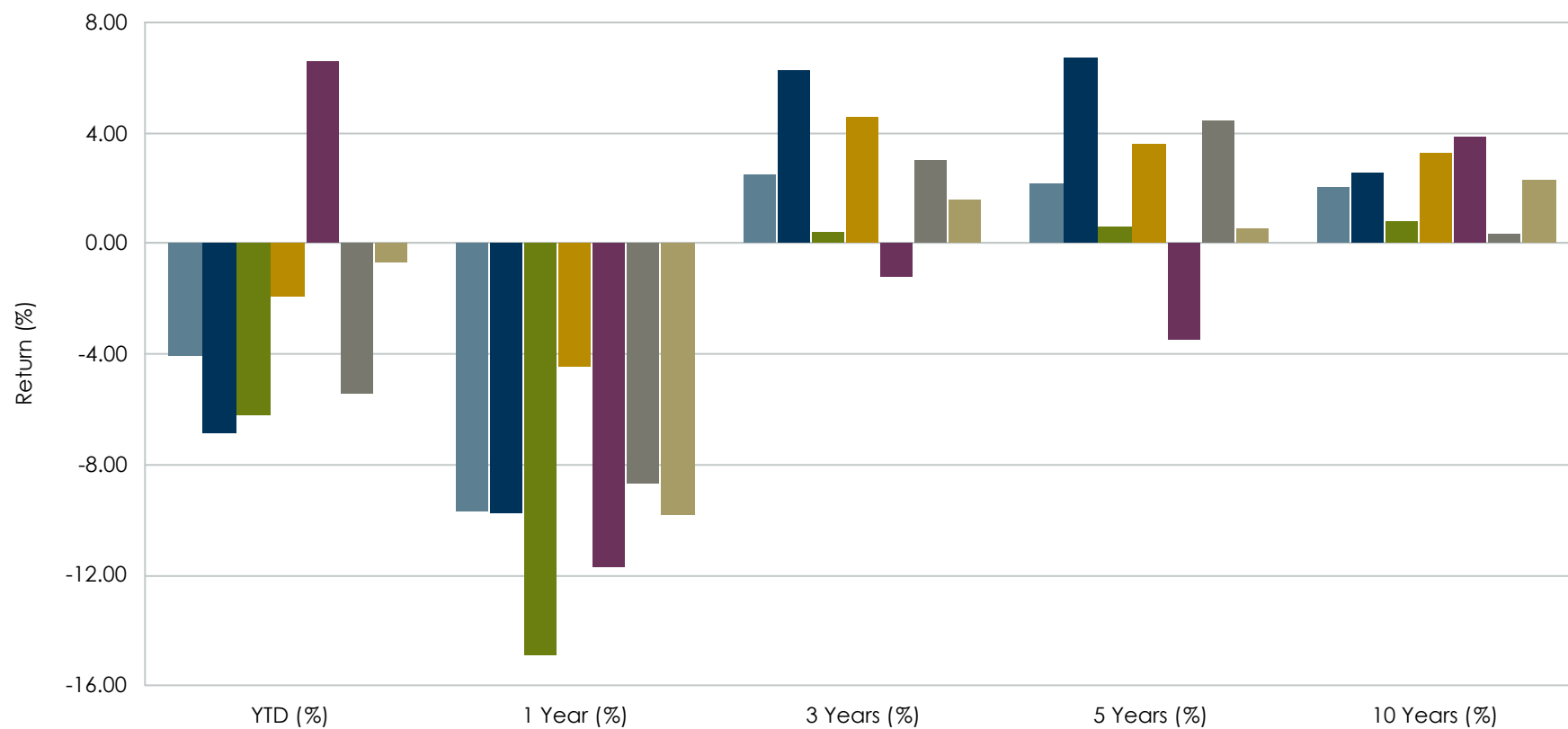
Numbers in parenthesis represent sector weightings of the index. Sector weights may not add to 100% due to rounding or securities that are not assigned to a Global Industry Classification Standard (GICS) sector.

Source: ACG Research, Bloomberg

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## Non-US Equity Index Returns

For the Periods Ending June 30, 2016

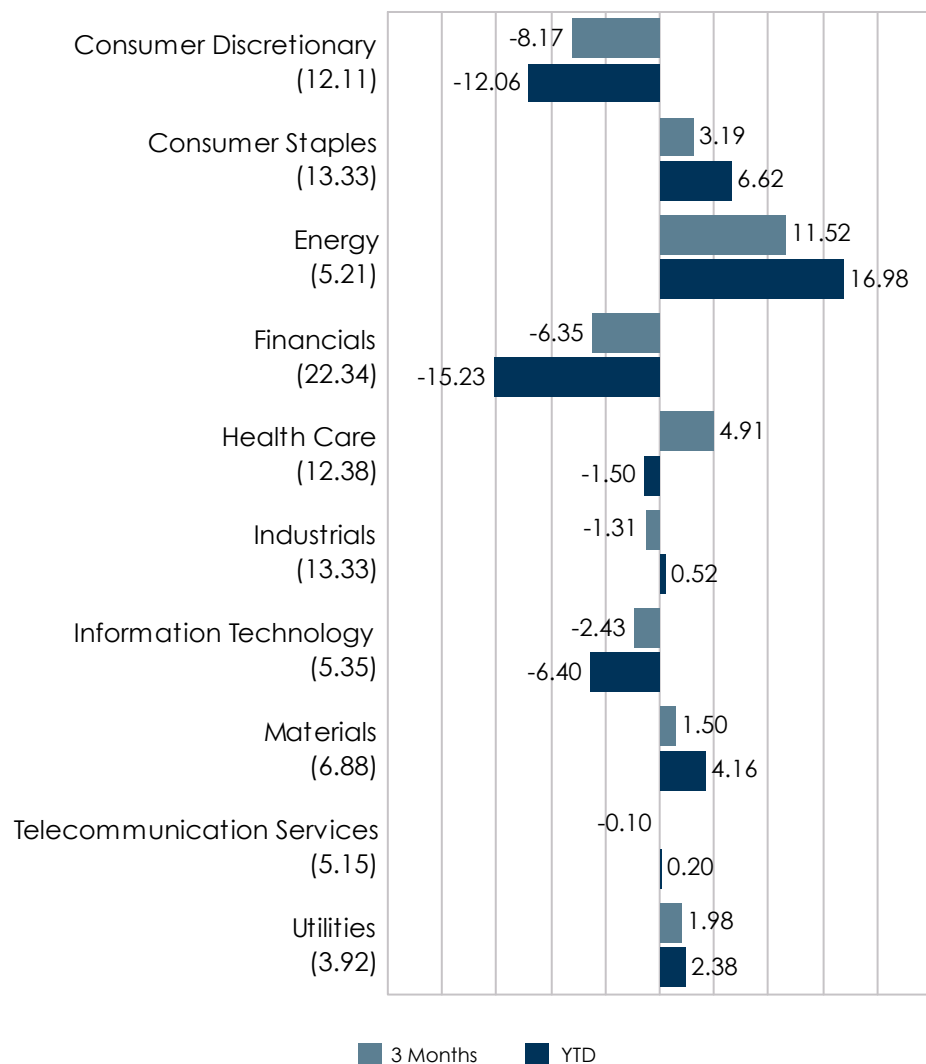


|                          |       |        |       |       |      |
|--------------------------|-------|--------|-------|-------|------|
| MSCI EAFE                | -4.04 | -9.72  | 2.52  | 2.15  | 2.05 |
| MSCI EAFE Local Currency | -6.84 | -9.75  | 6.25  | 6.70  | 2.57 |
| MSCI EAFE Value          | -6.18 | -14.91 | 0.42  | 0.61  | 0.78 |
| MSCI EAFE Growth         | -1.91 | -4.44  | 4.55  | 3.61  | 3.25 |
| MSCI Emerging Markets    | 6.60  | -11.71 | -1.21 | -3.44 | 3.88 |
| MSCI Japan               | -5.41 | -8.64  | 3.00  | 4.45  | 0.32 |
| MSCI ACWI ex US          | -0.67 | -9.80  | 1.62  | 0.56  | 2.33 |

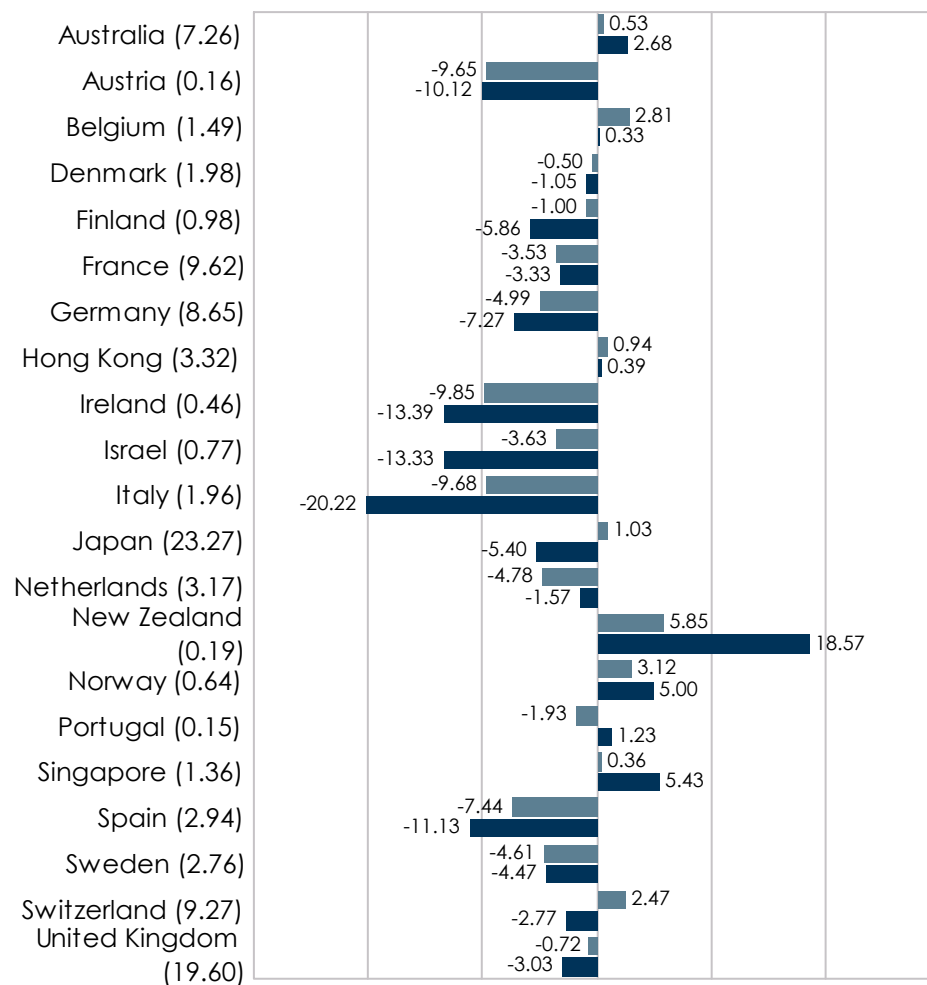
## Non-US Equity - Performance Breakdown

For the Periods Ending June 30, 2016

### MSCI EAFE - Sector Returns (%)



### 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.

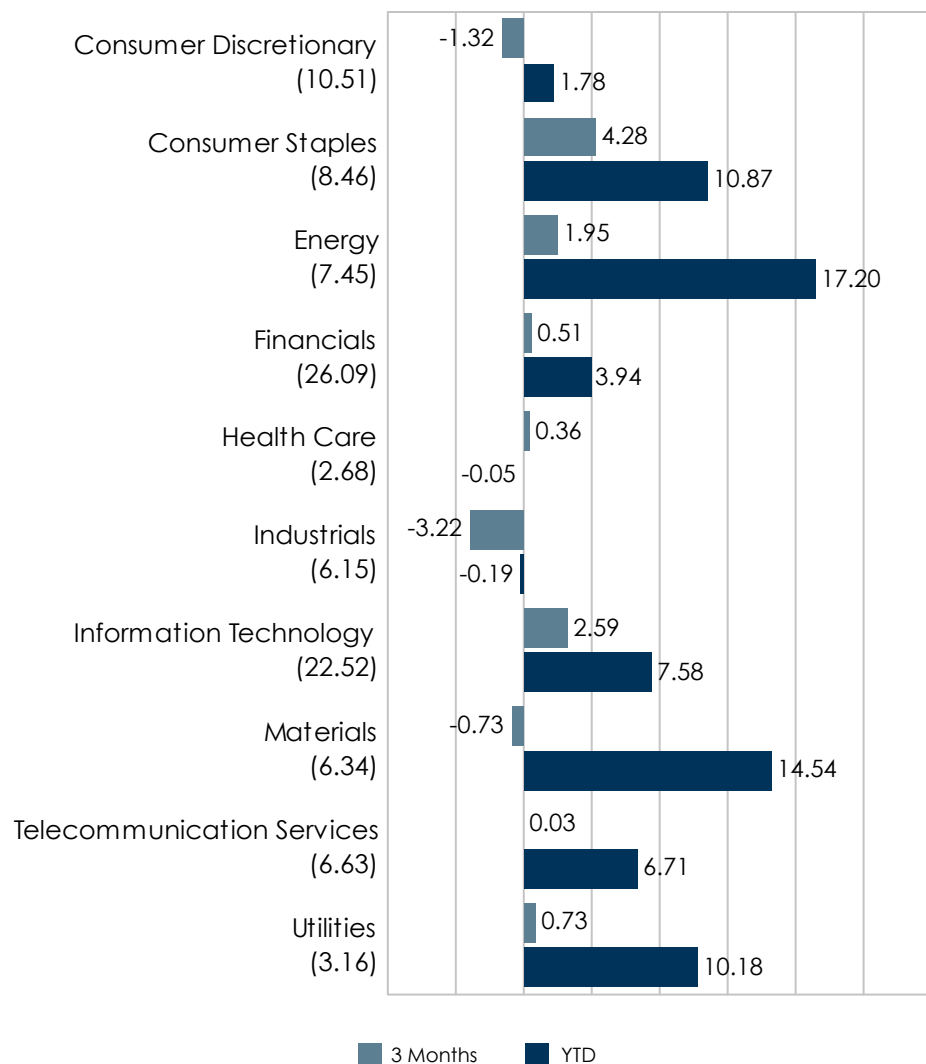
Source: ACG Research, Bloomberg

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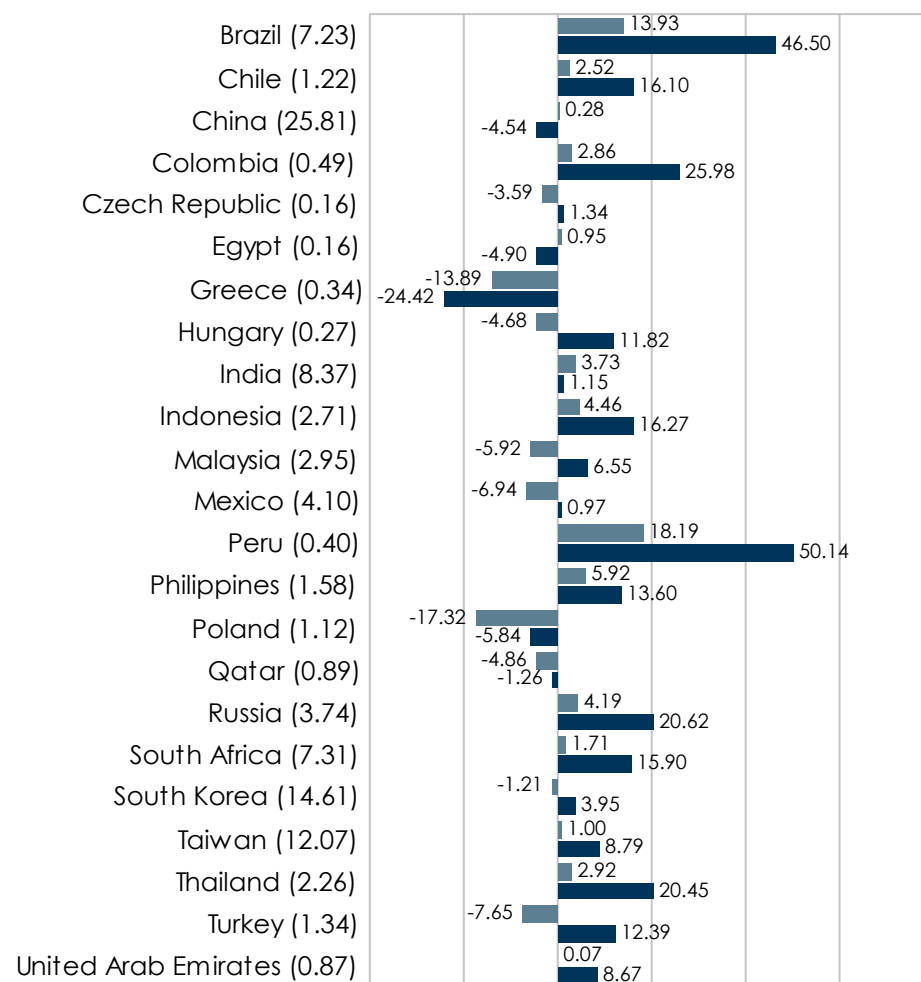
## Emerging Markets - Performance Breakdown

For the Periods Ending June 30, 2016

### MSCI Emerging Markets - Sector Returns (%)



### 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.

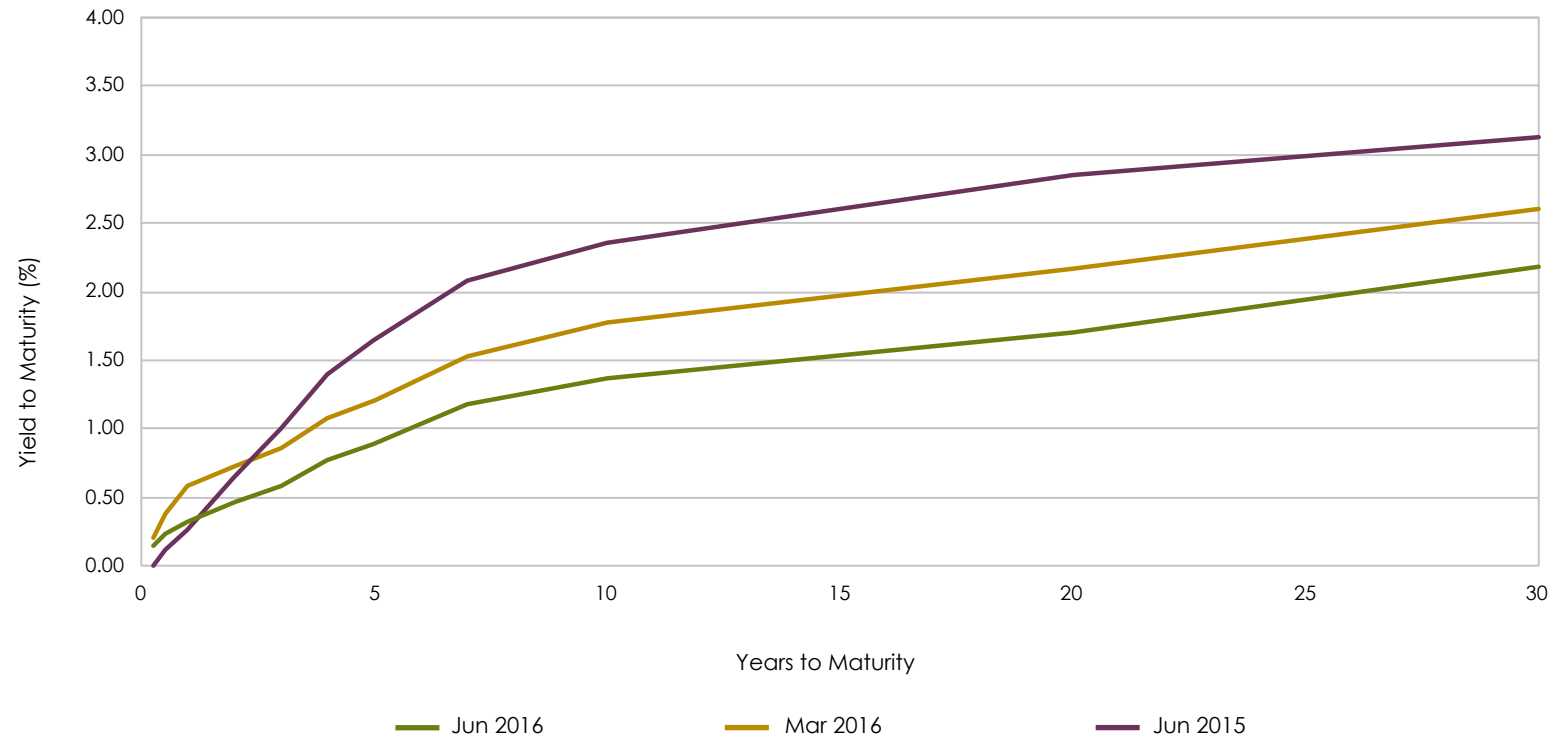
Source: ACG Research, Bloomberg

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## Interest Rate Term Structure

Government Issues - 3 Months to 30 Years Maturity

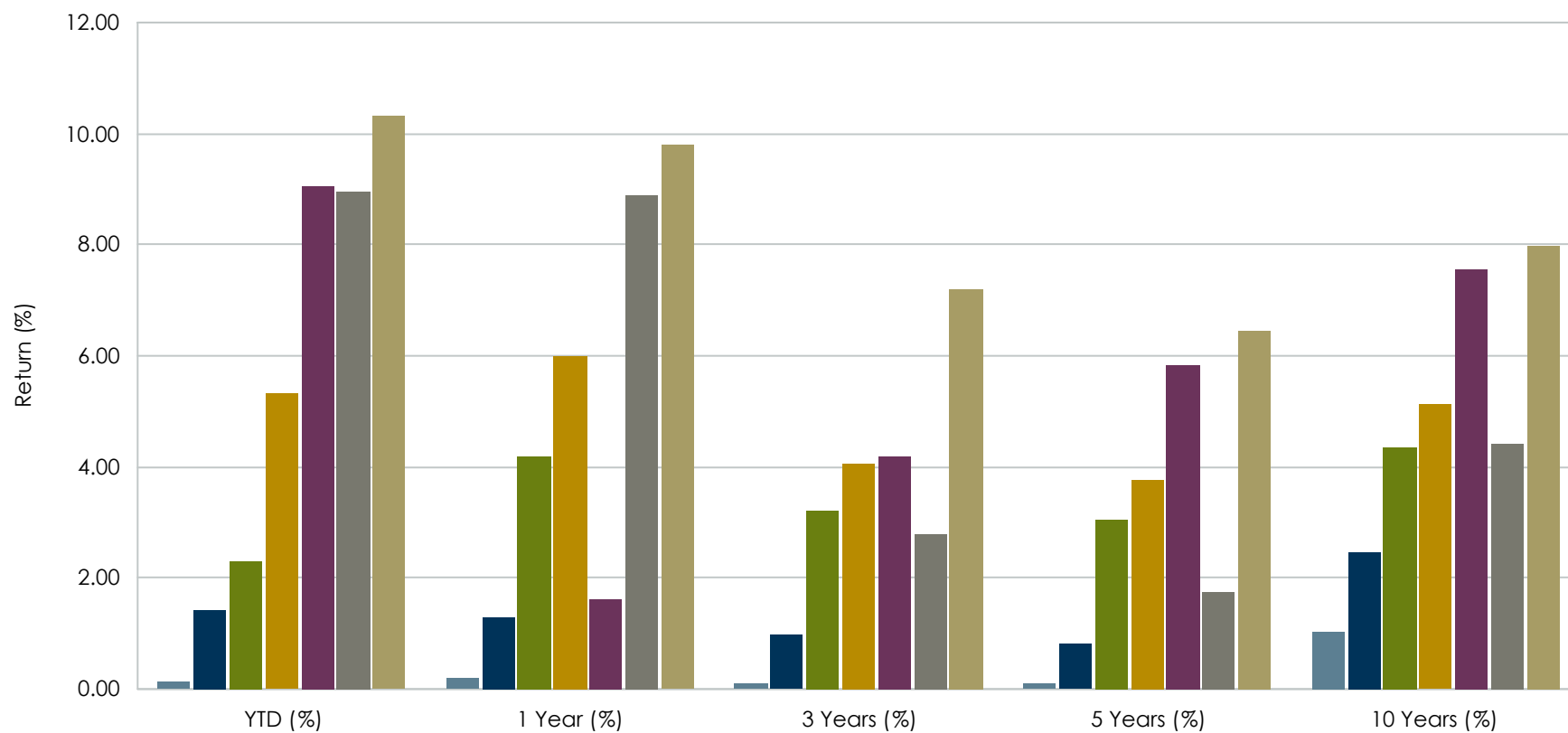


|          |      |      |      |
|----------|------|------|------|
| 90 Days  | 0.26 | 0.20 | 0.01 |
| 180 Days | 0.35 | 0.38 | 0.11 |
| 1 Year   | 0.44 | 0.58 | 0.27 |
| 2 Years  | 0.58 | 0.72 | 0.65 |
| 3 Years  | 0.69 | 0.85 | 1.01 |
| 4 Years  | 0.89 | 1.08 | 1.40 |
| 5 Years  | 1.00 | 1.21 | 1.65 |
| 7 Years  | 1.28 | 1.53 | 2.08 |
| 10 Years | 1.47 | 1.77 | 2.35 |
| 20 Years | 1.81 | 2.17 | 2.86 |
| 30 Years | 2.29 | 2.61 | 3.12 |

Source: Bloomberg

## Fixed Income Index Returns

For the Periods Ending June 30, 2016



|                             |       |
|-----------------------------|-------|
| US T-Bills 90 Day           | 0.15  |
| BofA ML 1-3 Yr Treasury     | 1.43  |
| Barclays 5 Yr Municipal     | 2.32  |
| Barclays US Aggregate       | 5.31  |
| Barclays US Corp High Yield | 9.06  |
| Barclays Global Aggregate   | 8.96  |
| JPM EMBI Global Diversified | 10.31 |

|      |
|------|
| 0.19 |
| 1.31 |
| 4.19 |
| 6.00 |
| 1.62 |
| 8.87 |
| 9.79 |

|      |
|------|
| 0.09 |
| 0.98 |
| 3.23 |
| 4.06 |
| 4.18 |
| 2.80 |
| 7.20 |

|      |
|------|
| 0.09 |
| 0.81 |
| 3.04 |
| 3.76 |
| 5.84 |
| 1.77 |
| 6.45 |

|      |
|------|
| 1.05 |
| 2.46 |
| 4.35 |
| 5.13 |
| 7.56 |
| 4.40 |
| 7.97 |

## US Fixed Income Market Environment

For the Periods Ending June 30, 2016

### Nominal Returns By Sector (%)

|                       | <u>3 Months</u> | <u>YTD</u> | <u>1 Year</u> | <u>3 Years</u> |
|-----------------------|-----------------|------------|---------------|----------------|
| US Aggregate          | 2.22            | 5.32       | 6.04          | 4.14           |
| US Treasury           | 2.10            | 5.37       | 6.22          | 3.50           |
| US Agg: Gov't-Related | 2.49            | 5.70       | 5.24          | 3.91           |
| US Corporate IG       | 3.57            | 7.67       | 7.93          | 5.42           |
| MBS                   | 1.10            | 3.10       | 4.33          | 3.75           |
| CMBS                  | 2.24            | 5.93       | 6.23          | 4.11           |
| ABS                   | 1.16            | 2.53       | 2.70          | 2.19           |
| US Corp High Yield    | 5.53            | 9.06       | 1.63          | 4.19           |

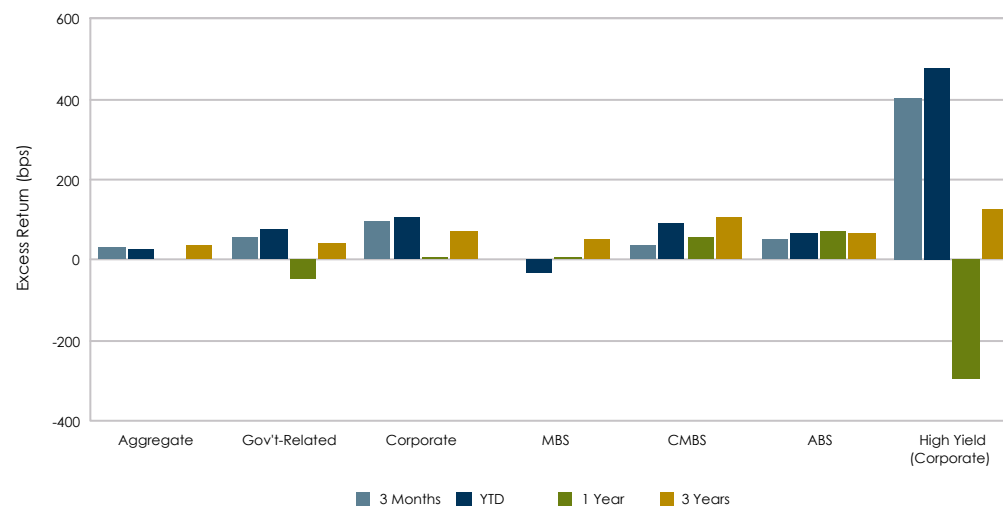
### Nominal Returns by Quality (%)

|     | <u>3 Months</u> | <u>YTD</u> | <u>1 Year</u> | <u>3 Years</u> |
|-----|-----------------|------------|---------------|----------------|
| AAA | 1.66            | 4.37       | 5.36          | 3.58           |
| AA  | 2.62            | 5.96       | 7.09          | 4.56           |
| A   | 3.11            | 7.10       | 8.61          | 5.61           |
| BAA | 4.29            | 8.79       | 6.90          | 5.37           |
| BA  | 3.60            | 7.59       | 4.09          | 5.61           |
| B   | 4.84            | 7.41       | -0.64         | 3.26           |
| CAA | 11.84           | 16.04      | -0.49         | 2.92           |

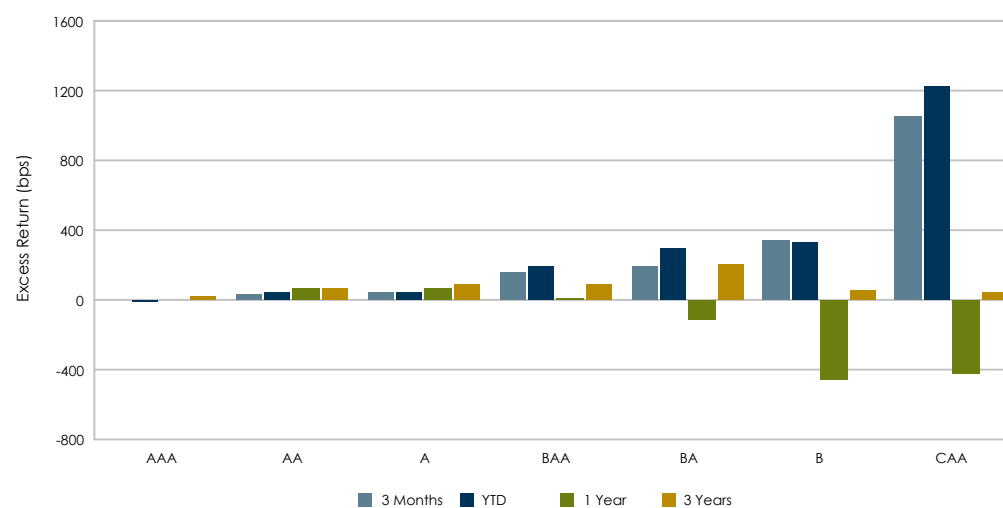
### Nominal Returns by Maturity (%)

|          | <u>3 Months</u> | <u>YTD</u> | <u>1 Year</u> | <u>3 Years</u> |
|----------|-----------------|------------|---------------|----------------|
| 1-3 Yr.  | 0.68            | 1.66       | 1.60          | 1.18           |
| 3-5 Yr.  | 1.19            | 3.41       | 3.73          | 2.70           |
| 5-7 Yr.  | 1.55            | 4.18       | 4.96          | 3.31           |
| 7-10 Yr. | 2.72            | 6.53       | 7.88          | 5.07           |
| 10+ Yr.  | 6.55            | 14.34      | 15.70         | 8.63           |

### Excess Returns by Sector



### Excess Returns by Quality



Source: Barclays Capital

Excess returns are relative to the duration-neutral Treasury.

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## Monthly Index Returns

For the Periods Ending June 30, 2016

| Index Name                  | 3 Months (%) | YTD (%) | 1 Year (%) | 3 Years (%) | 5 Years (%) | 7 Years (%) | 10 Years (%) |
|-----------------------------|--------------|---------|------------|-------------|-------------|-------------|--------------|
| <b>Equity</b>               |              |         |            |             |             |             |              |
| S&P 500                     | 2.46         | 3.84    | 3.99       | 11.66       | 12.10       | 14.92       | 7.42         |
| Russell 1000                | 2.54         | 3.74    | 2.93       | 11.48       | 11.88       | 15.03       | 7.51         |
| Russell 1000 Growth         | 0.61         | 1.36    | 3.02       | 13.07       | 12.35       | 15.52       | 8.78         |
| Russell 1000 Value          | 4.58         | 6.30    | 2.86       | 9.87        | 11.35       | 14.50       | 6.13         |
| Russell 2500                | 3.57         | 3.98    | -3.67      | 8.61        | 9.48        | 15.35       | 7.32         |
| Russell 2000                | 3.79         | 2.22    | -6.73      | 7.09        | 8.35        | 13.94       | 6.20         |
| Russell 2000 Growth         | 3.24         | -1.59   | -10.75     | 7.74        | 8.51        | 14.29       | 7.15         |
| Russell 2000 Value          | 4.31         | 6.08    | -2.58      | 6.36        | 8.15        | 13.53       | 5.15         |
| Wilshire 5000 Cap Wtd       | 2.78         | 3.98    | 2.96       | 11.27       | 11.64       | 14.93       | 7.46         |
| MSCI ACWI                   | 1.19         | 1.58    | -3.17      | 6.60        | 5.95        | 10.10       | 4.82         |
| MSCI ACWI ex US             | -0.40        | -0.67   | -9.80      | 1.62        | 0.56        | 5.81        | 2.33         |
| MSCI EAFE                   | -1.19        | -4.04   | -9.72      | 2.52        | 2.15        | 6.45        | 2.05         |
| MSCI EAFE Local Currency    | -0.47        | -6.84   | -9.75      | 6.25        | 6.70        | 8.22        | 2.57         |
| MSCI EAFE Growth            | 0.05         | -1.91   | -4.44      | 4.55        | 3.61        | 7.99        | 3.25         |
| MSCI EAFE Value             | -2.44        | -6.18   | -14.91     | 0.42        | 0.61        | 4.83        | 0.78         |
| MSCI Emerging Markets       | 0.80         | 6.60    | -11.71     | -1.21       | -3.44       | 4.14        | 3.88         |
| <b>Fixed Income</b>         |              |         |            |             |             |             |              |
| BofA ML 1-3 Yr Treasury     | 0.53         | 1.43    | 1.31       | 0.98        | 0.81        | 1.15        | 2.46         |
| Barclays 5 Yr Municipal     | 1.16         | 2.32    | 4.19       | 3.23        | 3.04        | 3.76        | 4.35         |
| Barclays US Aggregate       | 2.21         | 5.31    | 6.00       | 4.06        | 3.76        | 4.58        | 5.13         |
| Barclays Gov't Bond         | 2.04         | 5.22    | 6.04       | 3.45        | 3.38        | 3.65        | 4.73         |
| Barclays US Credit          | 3.48         | 7.54    | 7.55       | 5.26        | 5.20        | 6.65        | 6.11         |
| Barclays 10 Yr Municipal    | 2.53         | 4.47    | 8.29       | 5.84        | 5.54        | 5.95        | 5.67         |
| Barclays US Corp High Yield | 5.52         | 9.06    | 1.62       | 4.18        | 5.84        | 9.99        | 7.56         |
| Citigroup World Govt Bond   | 3.41         | 10.74   | 11.26      | 2.65        | 1.18        | 2.73        | 4.22         |
| Barclays Global Aggregate   | 2.89         | 8.96    | 8.87       | 2.80        | 1.77        | 3.43        | 4.40         |
| Barclays Multiverse         | 3.00         | 9.06    | 8.62       | 2.82        | 1.89        | 3.64        | 4.50         |
| JPM EMBI Global Diversified | 5.02         | 10.31   | 9.79       | 7.20        | 6.45        | 8.79        | 7.97         |
| <b>Real Assets</b>          |              |         |            |             |             |             |              |
| NCREIF Property             | 2.03         | 4.28    | 10.64      | 11.60       | 11.51       | 10.28       | 7.40         |
| NFI ODCE Net                | 1.91         | 3.90    | 10.80      | 11.97       | 11.66       | 9.85        | 5.19         |
| FTSE NAREIT US Real Estate  | 6.96         | 13.38   | 24.04      | 13.58       | 12.60       | 20.65       | 7.45         |
| Bloomberg Commodity         | 12.78        | 13.25   | -13.32     | -10.55      | -10.82      | -4.40       | -5.59        |
| <b>Cash and Equivalents</b> |              |         |            |             |             |             |              |
| US T-Bills 90 Day           | 0.07         | 0.15    | 0.19       | 0.09        | 0.09        | 0.11        | 1.05         |

## Monthly Index Returns

For the Periods Ending July 31, 2016

| Index Name                  | 1 Month (%) | YTD (%) | 1 Year (%) | 3 Years (%) | 5 Years (%) | 7 Years (%) | 10 Years (%) |
|-----------------------------|-------------|---------|------------|-------------|-------------|-------------|--------------|
| <b>Equity</b>               |             |         |            |             |             |             |              |
| S&P 500                     | 3.69        | 7.66    | 5.61       | 11.16       | 13.38       | 14.32       | 7.75         |
| Russell 1000                | 3.81        | 7.69    | 4.84       | 10.93       | 13.22       | 14.44       | 7.89         |
| Russell 1000 Growth         | 4.72        | 6.15    | 4.35       | 12.86       | 13.62       | 15.15       | 9.50         |
| Russell 1000 Value          | 2.90        | 9.38    | 5.38       | 8.99        | 12.75       | 13.69       | 6.18         |
| Russell 2500                | 5.22        | 9.40    | 1.54       | 8.16        | 11.46       | 14.76       | 8.21         |
| Russell 2000                | 5.97        | 8.32    | 0.00       | 6.74        | 10.43       | 13.39       | 7.17         |
| Russell 2000 Growth         | 6.54        | 4.84    | -5.30      | 7.39        | 10.78       | 14.10       | 8.40         |
| Russell 2000 Value          | 5.40        | 11.81   | 5.59       | 6.01        | 10.03       | 12.61       | 5.85         |
| Wilshire 5000 Cap Wtd       | 3.93        | 8.07    | 5.17       | 10.73       | 13.00       | 14.34       | 7.89         |
| MSCI ACWI                   | 4.34        | 5.98    | 0.13       | 6.44        | 7.20        | 9.44        | 5.19         |
| MSCI ACWI ex US             | 4.97        | 4.27    | -5.08      | 1.80        | 1.81        | 5.13        | 2.73         |
| MSCI EAFE                   | 5.08        | 0.83    | -7.07      | 2.45        | 3.49        | 5.87        | 2.46         |
| MSCI EAFE Local Currency    | 4.75        | -2.41   | -8.67      | 6.42        | 8.46        | 7.79        | 2.98         |
| MSCI EAFE Growth            | 4.90        | 2.89    | -2.12      | 4.61        | 4.75        | 7.46        | 3.69         |
| MSCI EAFE Value             | 5.27        | -1.24   | -11.97     | 0.24        | 2.16        | 4.22        | 1.15         |
| MSCI Emerging Markets       | 5.09        | 12.02   | -0.38      | 0.07        | -2.41       | 3.29        | 4.24         |
| <b>Fixed Income</b>         |             |         |            |             |             |             |              |
| BofA ML 1-3 Yr Treasury     | -0.07       | 1.37    | 1.19       | 0.91        | 0.74        | 1.13        | 2.38         |
| Barclays Municipal          | 0.06        | 4.40    | 6.94       | 5.91        | 5.13        | 5.42        | 5.01         |
| Barclays US Aggregate       | 0.63        | 5.98    | 5.94       | 4.23        | 3.57        | 4.44        | 5.06         |
| Barclays Gov't Bond         | 0.39        | 5.64    | 5.61       | 3.62        | 3.12        | 3.64        | 4.64         |
| Barclays US Credit          | 1.31        | 8.95    | 8.28       | 5.47        | 4.97        | 6.28        | 6.09         |
| Barclays 10 Yr Municipal    | 0.07        | 4.55    | 7.55       | 6.01        | 5.33        | 5.64        | 5.54         |
| Barclays US Corp High Yield | 2.70        | 12.01   | 4.98       | 4.46        | 6.16        | 9.48        | 7.74         |
| Citigroup World Govt Bond   | 0.53        | 11.33   | 11.32      | 2.37        | 0.83        | 2.55        | 4.19         |
| Barclays Global Aggregate   | 0.75        | 9.78    | 9.45       | 2.63        | 1.50        | 3.22        | 4.37         |
| Barclays Multiverse         | 0.85        | 9.98    | 9.37       | 2.66        | 1.66        | 3.42        | 4.48         |
| <b>Real Assets</b>          |             |         |            |             |             |             |              |
| Bloomberg Commodity         | -5.11       | 7.46    | -7.98      | -12.50      | -12.27      | -5.55       | -6.38        |
| <b>Cash and Equivalents</b> |             |         |            |             |             |             |              |
| US T-Bills 90 Day           | 0.03        | 0.17    | 0.22       | 0.10        | 0.09        | 0.11        | 1.01         |

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**Total Portfolio Summary**

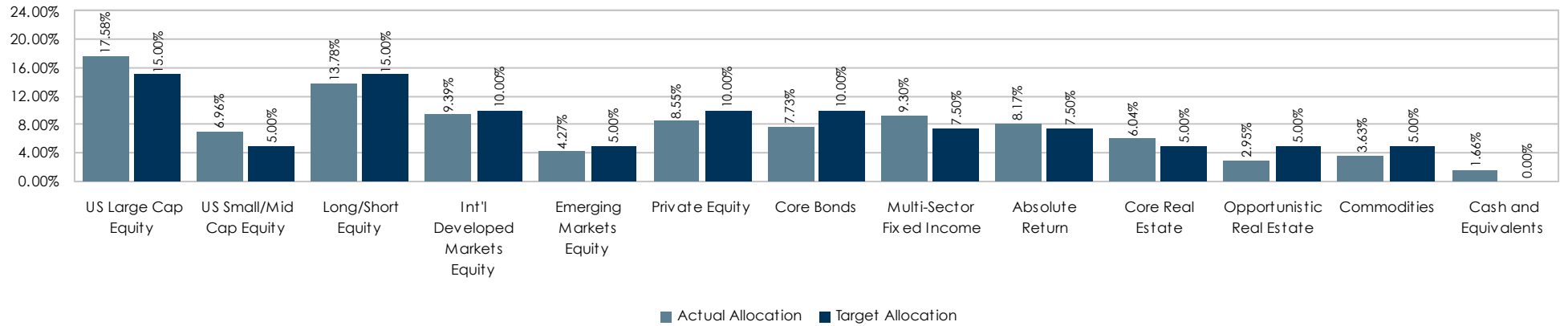
**Total Portfolio**  
**Dollar Reconciliation (\$000s)**  
*For the Periods Ending June 30, 2016*

|                               | <b>3 Months</b>  | <b>YTD</b>       | <b>FYTD</b>      | <b>5 Years</b>   |
|-------------------------------|------------------|------------------|------------------|------------------|
| <b>Beginning Market Value</b> | <b>2,150,879</b> | <b>2,168,669</b> | <b>2,255,992</b> | <b>1,797,797</b> |
| Net Additions                 | -222             | -27,232          | -54,465          | -219,461         |
| Return on Investment          | 44,563           | 53,782           | -6,308           | 616,884          |
| Income                        | 9,635            | 19,574           | 31,268           | 123,759          |
| Gain/Loss                     | 34,928           | 34,208           | -37,575          | 493,125          |
| <b>Ending Market Value</b>    | <b>2,195,220</b> | <b>2,195,220</b> | <b>2,195,220</b> | <b>2,195,220</b> |



## Oklahoma Police Pension & Retirement System

For the Period Ending June 30, 2016

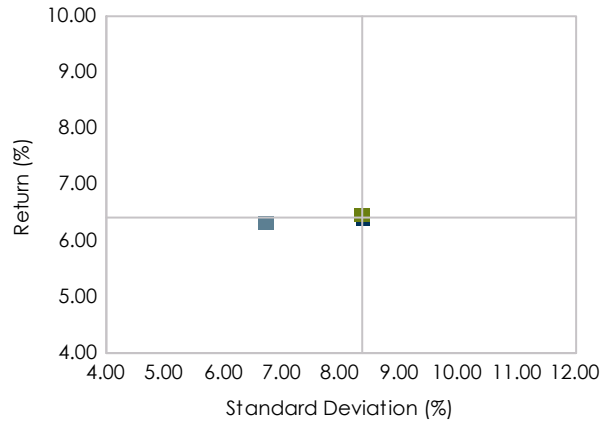


|                                | Market Value (\$000s) | Actual Allocation (%) | Target Allocation (%) | Over/Under Target (%) | Range Min-Max (%)    |
|--------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|
| <b>Total Portfolio</b>         | <b>2,195,220</b>      | <b>100.00</b>         | <b>100.00</b>         |                       |                      |
| <b>Equity</b>                  | <b>1,328,757</b>      | <b>60.53</b>          | <b>60.00</b>          | <b>0.53</b>           | <b>50.00 - 70.00</b> |
| US Large Cap Equity            | 386,004               | 17.58                 | 15.00                 | 2.58                  | 10.00 - 20.00        |
| US Small/Mid Cap Equity        | 152,868               | 6.96                  | 5.00                  | 1.96                  | 0.00 - 15.00         |
| Long/Short Equity              | 302,409               | 13.78                 | 15.00                 | -1.22                 | 10.00 - 20.00        |
| Int'l Developed Markets Equity | 206,081               | 9.39                  | 10.00                 | -0.61                 | 5.00 - 15.00         |
| Emerging Markets Equity        | 93,768                | 4.27                  | 5.00                  | -0.73                 | 0.00 - 10.00         |
| Private Equity                 | 187,627               | 8.55                  | 10.00                 | -1.45                 | 5.00 - 15.00         |
| <b>Fixed Income</b>            | <b>553,118</b>        | <b>25.20</b>          | <b>25.00</b>          | <b>0.20</b>           | <b>15.00 - 35.00</b> |
| Core Bonds                     | 169,582               | 7.73                  | 10.00                 | -2.27                 | 7.50 - 20.00         |
| Multi-Sector Fixed Income      | 204,235               | 9.30                  | 7.50                  | 1.80                  | 5.00 - 10.00         |
| Absolute Return                | 179,301               | 8.17                  | 7.50                  | 0.67                  | 5.00 - 10.00         |
| <b>Real Assets</b>             | <b>276,975</b>        | <b>12.62</b>          | <b>15.00</b>          | <b>-2.38</b>          | <b>0.00 - 20.00</b>  |
| Core Real Estate               | 132,584               | 6.04                  | 5.00                  | 1.04                  | 0.00 - 10.00         |
| Opportunistic Real Estate      | 64,764                | 2.95                  | 5.00                  | -2.05                 | 0.00 - 10.00         |
| Commodities                    | 79,627                | 3.63                  | 5.00                  | -1.37                 | 0.00 - 10.00         |
| <b>Cash and Equivalents</b>    | <b>36,370</b>         | <b>1.66</b>           | <b>0.00</b>           | <b>1.66</b>           |                      |

## Oklahoma Police Pension & Retirement System

For the Periods Ending June 30, 2016

### 5 Year Risk / Return



### 5 Year Relative Statistics

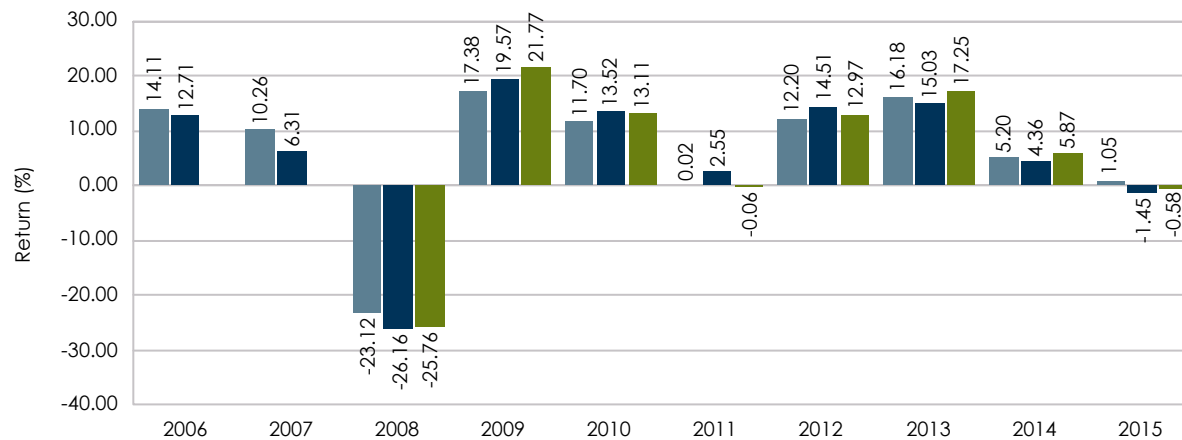
| Total Fund Policy |       |
|-------------------|-------|
| Beta              | 0.78  |
| Up Capture (%)    | 81.92 |
| Down Capture (%)  | 74.67 |

|                               | Return (%) | Rank | Std Dev (%) | Sharpe Ratio |
|-------------------------------|------------|------|-------------|--------------|
| 3 Months                      |            |      |             |              |
| Total Portfolio               | 2.12       | 27   | --          | --           |
| Total Fund Policy             | 2.17       |      | --          | --           |
| IF TF Between 55 - 70% Equity | 1.81       |      | --          | --           |

| YTD                           |      |    |    |    |
|-------------------------------|------|----|----|----|
| Total Portfolio               | 2.57 | 60 | -- | -- |
| Total Fund Policy             | 3.56 |    | -- | -- |
| IF TF Between 55 - 70% Equity | 2.93 |    | -- | -- |

| FYTD                          |       |    |      |       |
|-------------------------------|-------|----|------|-------|
| Total Portfolio               | -0.17 | 50 | 7.53 | -0.04 |
| Total Fund Policy             | -0.15 |    | 9.78 | -0.03 |
| IF TF Between 55 - 70% Equity | -0.25 |    | 9.33 | -0.04 |

### Calendar Year Returns



| 3 Years                       |      |    |      |      |
|-------------------------------|------|----|------|------|
| Total Portfolio               | 6.18 | 54 | 6.18 | 0.99 |
| Total Fund Policy             | 5.70 |    | 7.64 | 0.74 |
| IF TF Between 55 - 70% Equity | 6.28 |    | 7.53 | 0.83 |

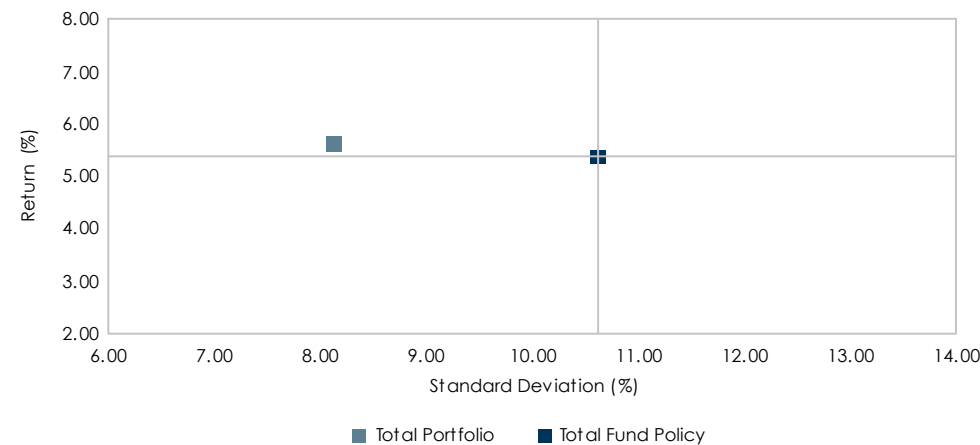
| 5 Years                       |      |    |      |      |
|-------------------------------|------|----|------|------|
| Total Portfolio               | 6.34 | 54 | 6.72 | 0.94 |
| Total Fund Policy             | 6.43 |    | 8.37 | 0.76 |
| IF TF Between 55 - 70% Equity | 6.48 |    | 8.35 | 0.75 |

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

Oklahoma Police Pension & Retirement System

For the Periods Ending June 30, 2016

10 Year Risk / Return



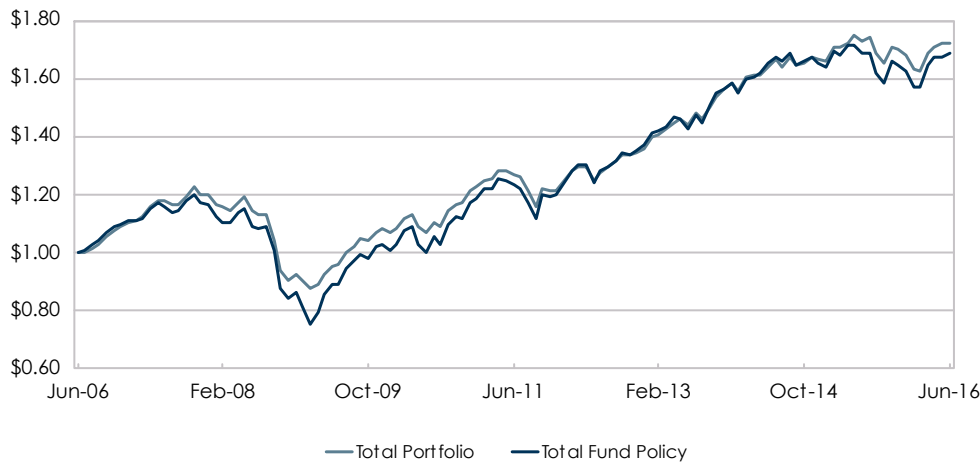
10 Year Portfolio Statistics

|                        | Total Portfolio | Total Fund Policy |
|------------------------|-----------------|-------------------|
| Return (%)             | 5.60            | 5.35              |
| Standard Deviation (%) | 8.13            | 10.62             |
| Sharpe Ratio           | 0.58            | 0.42              |

Benchmark Relative Statistics

|                  |       |
|------------------|-------|
| Beta             | 0.74  |
| Up Capture (%)   | 78.54 |
| Down Capture (%) | 72.99 |

10 Year Growth of a Dollar

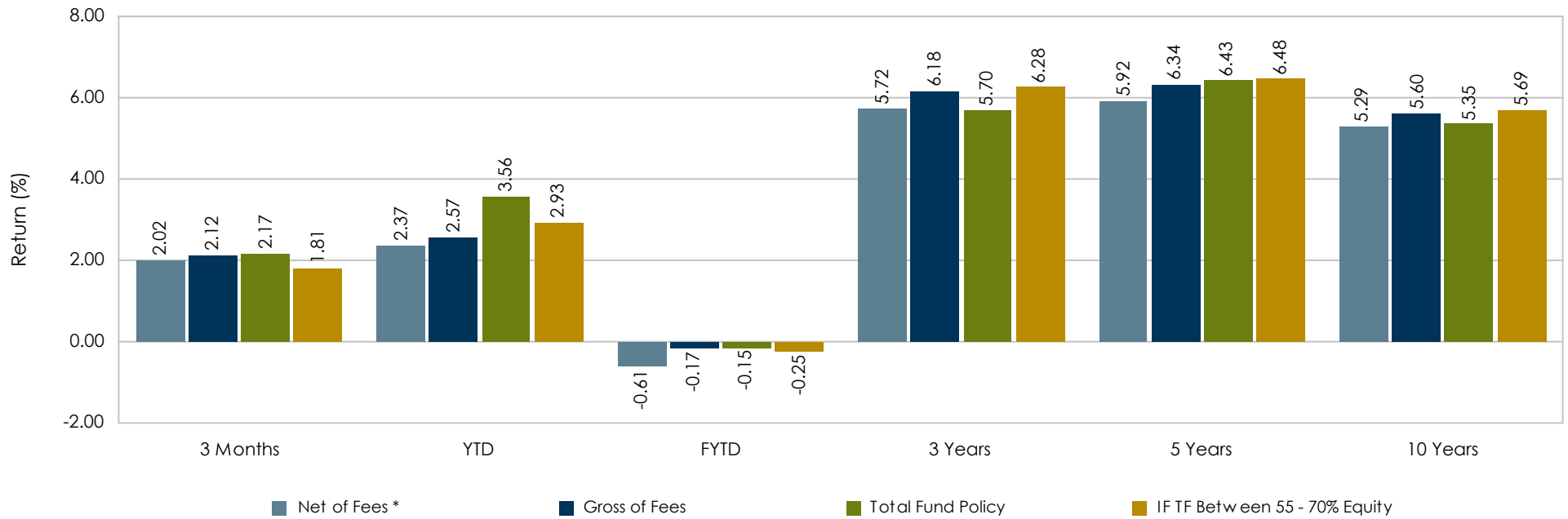


10 Year Return Analysis

|                            | Total Portfolio | Total Fund Policy |
|----------------------------|-----------------|-------------------|
| Number of Months           | 120             | 120               |
| Highest Monthly Return (%) | 5.31            | 7.47              |
| Lowest Monthly Return (%)  | -9.92           | -12.85            |
| Number of Positive Months  | 77              | 72                |
| Number of Negative Months  | 43              | 48                |
| % of Positive Months       | 64.17           | 60.00             |

### Total Portfolio

For the Periods Ending June 30, 2016



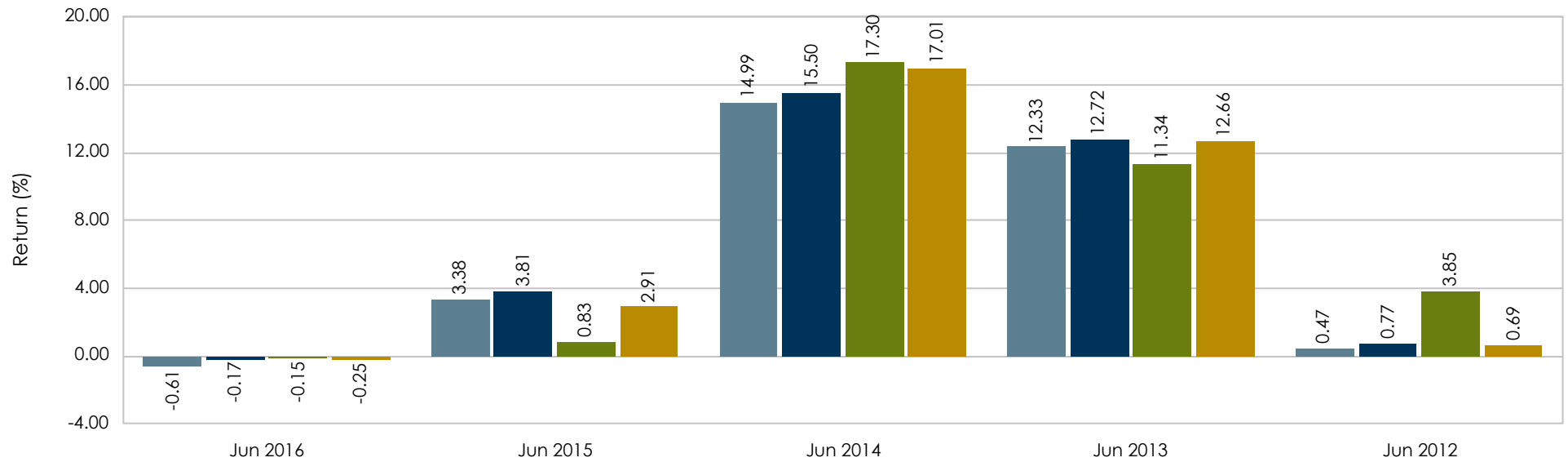
|                 |      |      |       |      |      |      |
|-----------------|------|------|-------|------|------|------|
| Ranking         | 27   | 60   | 50    | 54   | 54   | 56   |
| 5th Percentile  | 2.93 | 5.03 | 3.46  | 8.49 | 8.45 | 6.98 |
| 25th Percentile | 2.15 | 3.53 | 1.31  | 7.27 | 7.30 | 6.17 |
| 50th Percentile | 1.81 | 2.93 | -0.25 | 6.28 | 6.48 | 5.69 |
| 75th Percentile | 1.49 | 1.88 | -1.85 | 5.26 | 5.48 | 5.20 |
| 95th Percentile | 0.87 | 0.31 | -4.11 | 3.81 | 4.19 | 4.28 |
| Observations    | 590  | 588  | 586   | 516  | 447  | 332  |

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.

\* Performance is calculated using net of fee returns.

## Total Portfolio

For the One Year Periods Ending June



|                 | Net of Fees * | Gross Of Fees | Total Fund Policy | IF TF Between 55 - 70% Equity |
|-----------------|---------------|---------------|-------------------|-------------------------------|
| Ranking         | 50            | 28            | 80                | 50                            |
| 5th Percentile  | 3.46          | 5.66          | 19.86             | 15.81                         |
| 25th Percentile | 1.31          | 3.91          | 18.29             | 14.06                         |
| 50th Percentile | -0.25         | 2.91          | 17.01             | 12.66                         |
| 75th Percentile | -1.85         | 1.57          | 15.90             | 10.84                         |
| 95th Percentile | -4.11         | -0.82         | 14.10             | 8.79                          |
| Observations    | 586           | 612           | 572               | 542                           |

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.

\* Performance is calculated using net of fee returns.

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## Rates of Return Summary &amp; Universe Rankings

For the Periods Ending June 30, 2016

|                                                               | Market<br>Value (\$000s) | Actual<br>Allocation (%) | 3 Months<br>(%) | Rank           | YTD<br>(%)   | Rank           | FYTD<br>(%)  | Rank           | 3 Years<br>(%) | Rank           | 5 Years<br>(%) | Rank           | 10 Years<br>(%) |
|---------------------------------------------------------------|--------------------------|--------------------------|-----------------|----------------|--------------|----------------|--------------|----------------|----------------|----------------|----------------|----------------|-----------------|
| <b>Total Portfolio * (06/05) <sup>1</sup></b>                 | <b>2,195,220</b>         | <b>100.00</b>            | <b>2.02</b>     |                | <b>2.37</b>  |                | <b>-0.61</b> |                | <b>5.72</b>    |                | <b>5.92</b>    |                | <b>5.29</b>     |
| <b>Total Portfolio (08/85)</b>                                |                          |                          | <b>2.12</b>     | <b>27</b>      | <b>2.57</b>  | <b>60</b>      | <b>-0.17</b> | <b>50</b>      | <b>6.18</b>    | <b>54</b>      | <b>6.34</b>    | <b>54</b>      | <b>5.60</b>     |
| <i>Total Fund Policy <sup>2</sup></i>                         |                          |                          | 2.17            |                | 3.56         |                | -0.15        |                | 5.70           |                | 6.43           |                | 5.35            |
| <i>IF TF Between 55 - 70% Equity</i>                          |                          |                          | 1.81            |                | 2.93         |                | -0.25        |                | 6.28           |                | 6.48           |                | 5.69            |
| <b>Equity (01/98)</b>                                         | <b>1,328,757</b>         | <b>60.53</b>             | <b>1.69</b>     |                | <b>1.42</b>  |                | <b>-1.82</b> |                | <b>7.41</b>    |                | <b>7.48</b>    |                | <b>5.59</b>     |
| <i>MSCI ACWI</i>                                              |                          |                          | 1.19            |                | 1.58         |                | -3.17        |                | 6.60           |                | 5.95           |                | 4.82            |
| <b>US Large Cap Equity</b>                                    | <b>386,004</b>           | <b>17.58</b>             |                 |                |              |                |              |                |                |                |                |                |                 |
| <b>Northern Trust Russell 1000 Index (08/98) <sup>3</sup></b> | <b>386,004</b>           | <b>17.58</b>             | <b>2.54</b>     | <b>35</b>      | <b>3.75</b>  | <b>32</b>      | <b>2.96</b>  | <b>32</b>      | <b>11.49</b>   | <b>42</b>      | <b>11.89</b>   | <b>41</b>      | <b>7.53</b>     |
| <i>Russell 1000</i>                                           |                          |                          | 2.54            |                | 3.74         |                | 2.93         |                | 11.48          |                | 11.88          |                | 7.51            |
| <i>eA US Large Cap Core Equity</i>                            |                          |                          | 1.88            |                | 2.35         |                | 0.94         |                | 11.08          |                | 11.44          |                | 7.60            |
| <b>US Small/Mid Cap Equity</b>                                | <b>152,868</b>           | <b>6.96</b>              |                 |                |              |                |              |                |                |                |                |                |                 |
| <b>Boston Partners (01/98)</b>                                | <b>88,277</b>            | <b>4.02</b>              | <b>1.33</b>     | <b>67 / 70</b> | <b>3.95</b>  | <b>61 / 62</b> | <b>-4.27</b> | <b>78 / 66</b> | <b>8.28</b>    | <b>80 / 51</b> | <b>10.29</b>   | <b>59 / 41</b> | <b>8.00</b>     |
| <i>Russell 2500 Value</i>                                     |                          |                          | 4.37            |                | 7.84         |                | 0.22         |                | 8.14           |                | 9.59           |                | 6.52            |
| <i>eA US Mid Cap Value Equity</i>                             |                          |                          | 2.55            |                | 4.89         |                | -0.28        |                | 10.04          |                | 10.66          |                | 8.11            |
| <i>eA US Small Cap Value Equity</i>                           |                          |                          | 2.51            |                | 4.86         |                | -2.86        |                | 8.34           |                | 9.89           |                | 7.45            |
| <b>Cortina (02/14)</b>                                        | <b>64,590</b>            | <b>2.94</b>              | <b>7.50</b>     | <b>7</b>       | <b>3.49</b>  | <b>12</b>      | <b>-6.23</b> | <b>36</b>      | <b>--</b>      |                | <b>--</b>      |                | <b>--</b>       |
| <i>Russell 2000 Growth</i>                                    |                          |                          | 3.24            |                | -1.59        |                | -10.75       |                | 7.74           |                | 8.51           |                | 7.15            |
| <i>eA US Small Cap Growth Equity</i>                          |                          |                          | 3.33            |                | -0.77        |                | -9.10        |                | 7.81           |                | 8.94           |                | 7.59            |
| <b>Long/Short Equity</b>                                      | <b>302,409</b>           | <b>13.78</b>             |                 |                |              |                |              |                |                |                |                |                |                 |
| <b>Grosvenor Long/Short Equity (11/03)</b>                    | <b>302,409</b>           | <b>13.78</b>             | <b>0.62</b>     |                | <b>-2.48</b> |                | <b>-5.73</b> |                | <b>4.67</b>    |                | <b>4.80</b>    |                | <b>3.88</b>     |
| <i>MSCI ACWI</i>                                              |                          |                          | 1.19            |                | 1.58         |                | -3.17        |                | 6.60           |                | 5.95           |                | 4.82            |
| <i>HFRI FOF: Strategic</i>                                    |                          |                          | 0.56            |                | -3.79        |                | -7.90        |                | 1.67           |                | 1.42           |                | 1.56            |

FYTD: Fiscal year ending June.

\* Net of fee return data.

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## Rates of Return Summary &amp; Universe Rankings

For the Periods Ending June 30, 2016

|                                                 | Market<br>Value (\$000s) | Actual<br>Allocation (%) | 3 Months<br>(%) | Rank      | YTD<br>(%)   | Rank      | FYTD<br>(%)  | Rank      | 3 Years<br>(%) | Rank      | 5 Years<br>(%) | Rank      | 10 Years<br>(%) |
|-------------------------------------------------|--------------------------|--------------------------|-----------------|-----------|--------------|-----------|--------------|-----------|----------------|-----------|----------------|-----------|-----------------|
| <b>International Developed Market</b>           | <b>206,081</b>           | <b>9.39</b>              |                 |           |              |           |              |           |                |           |                |           |                 |
| <b>Mondrian International (05/04)</b>           | <b>113,048</b>           | <b>5.15</b>              | <b>-0.04</b>    | <b>35</b> | <b>0.50</b>  | <b>30</b> | <b>-7.39</b> | <b>42</b> | <b>3.81</b>    | <b>46</b> | <b>2.94</b>    | <b>52</b> | <b>2.82</b>     |
| <i>MSCI EAFE</i>                                |                          |                          | -1.19           |           | -4.04        |           | -9.72        |           | 2.52           |           | 2.15           |           | 2.05            |
| eA EAFE All Cap Value Equity                    |                          |                          | -0.47           |           | -1.98        |           | -9.08        |           | 3.24           |           | 3.06           |           | 2.98            |
| <b>Baring Focused International (03/12)</b>     | <b>93,032</b>            | <b>4.24</b>              | <b>0.38</b>     | <b>17</b> | <b>-2.43</b> | <b>38</b> | <b>-5.06</b> | <b>25</b> | <b>3.16</b>    | <b>70</b> | <b>--</b>      |           | <b>--</b>       |
| <i>MSCI EAFE</i>                                |                          |                          | -1.19           |           | -4.04        |           | -9.72        |           | 2.52           |           | 2.15           |           | 2.05            |
| eA EAFE All Cap Equity                          |                          |                          | -1.63           |           | -3.56        |           | -8.35        |           | 3.93           |           | 3.27           |           | 2.93            |
| <b>Emerging Markets Equity</b>                  | <b>93,768</b>            | <b>4.27</b>              |                 |           |              |           |              |           |                |           |                |           |                 |
| <b>Wasatch Emerging Markets (09/12)</b>         | <b>30,116</b>            | <b>1.37</b>              | <b>2.57</b>     | <b>37</b> | <b>1.88</b>  | <b>92</b> | <b>-9.73</b> | <b>56</b> | <b>-1.14</b>   | <b>71</b> | <b>--</b>      |           | <b>--</b>       |
| <i>MSCI EM SC</i>                               |                          |                          | 0.47            |           | 1.47         |           | -12.50       |           | 0.28           |           | -1.99          |           | 6.28            |
| eA Emerging Mkts Equity                         |                          |                          | 1.95            |           | 6.57         |           | -9.18        |           | 0.01           |           | -1.79          |           | 5.09            |
| <b>NT Emerging Markets Equity Index (05/16)</b> | <b>63,652</b>            | <b>2.90</b>              | <b>--</b>       |           | <b>--</b>    |           | <b>--</b>    |           | <b>--</b>      |           | <b>--</b>      |           | <b>--</b>       |
| <i>MSCI Emerging Markets</i>                    |                          |                          | 0.80            |           | 6.60         |           | -11.71       |           | -1.21          |           | -3.44          |           | 3.88            |
| eA Emerging Mkts Equity                         |                          |                          | 1.95            |           | 6.57         |           | -9.18        |           | 0.01           |           | -1.79          |           | 5.09            |
| <b>Private Equity (07/03)</b>                   | <b>187,627</b>           | <b>8.55</b>              | <b>2.25</b>     |           | <b>3.27</b>  |           | <b>5.78</b>  |           | <b>12.26</b>   |           | <b>10.81</b>   |           | <b>9.54</b>     |
| <b>Fixed Income (01/98)</b>                     | <b>553,118</b>           | <b>25.20</b>             | <b>2.34</b>     |           | <b>3.79</b>  |           | <b>1.00</b>  |           | <b>3.27</b>    |           | <b>3.74</b>    |           | <b>5.35</b>     |
| <i>Barclays Universal</i>                       |                          |                          | 2.53            |           | 5.68         |           | 5.82         |           | 4.20           |           | 4.01           |           | 5.30            |
| <b>Core Bonds</b>                               | <b>169,582</b>           | <b>7.73</b>              |                 |           |              |           |              |           |                |           |                |           |                 |
| <b>Agincourt Core Fixed Income (10/99)</b>      | <b>169,582</b>           | <b>7.73</b>              | <b>2.40</b>     | <b>45</b> | <b>5.69</b>  | <b>32</b> | <b>6.24</b>  | <b>41</b> | <b>4.43</b>    | <b>47</b> | <b>4.26</b>    | <b>52</b> | <b>5.55</b>     |
| <i>Barclays US Aggregate</i>                    |                          |                          | 2.21            |           | 5.31         |           | 6.00         |           | 4.06           |           | 3.76           |           | 5.13            |
| eA US Core Fixed Income                         |                          |                          | 2.37            |           | 5.39         |           | 6.13         |           | 4.35           |           | 4.26           |           | 5.62            |
| <b>Multi Sector Fixed Income</b>                | <b>204,235</b>           | <b>9.30</b>              |                 |           |              |           |              |           |                |           |                |           |                 |
| <b>Oaktree Capital Management (02/98)</b>       | <b>108,346</b>           | <b>4.94</b>              | <b>3.38</b>     |           | <b>5.74</b>  |           | <b>0.75</b>  |           | <b>4.29</b>    |           | <b>5.58</b>    |           | <b>6.92</b>     |
| <i>Barclays US Aggregate</i>                    |                          |                          | 2.21            |           | 5.31         |           | 6.00         |           | 4.06           |           | 3.76           |           | 5.13            |

## Rates of Return Summary &amp; Universe Rankings

For the Periods Ending June 30, 2016

|                                             | Market<br>Value (\$000s) | Actual<br>Allocation (%) | 3 Months<br>(%) | Rank     | YTD<br>(%)   | Rank     | FYTD<br>(%)  | Rank     | 3 Years<br>(%) | Rank      | 5 Years<br>(%) | Rank      | 10 Years<br>(%) |
|---------------------------------------------|--------------------------|--------------------------|-----------------|----------|--------------|----------|--------------|----------|----------------|-----------|----------------|-----------|-----------------|
| <b>Loomis Sayles (06/08)</b>                | <b>95,889</b>            | <b>4.37</b>              | <b>4.05</b>     | <b>9</b> | <b>11.17</b> | <b>5</b> | <b>10.13</b> | <b>6</b> | <b>2.66</b>    | <b>56</b> | <b>1.90</b>    | <b>61</b> | <b>--</b>       |
| Citigroup World Govt Bond                   |                          |                          | 3.41            |          | 10.74        |          | 11.26        |          | 2.65           |           | 1.18           |           | 4.22            |
| eA All Global Fixed Income                  |                          |                          | 1.98            |          | 5.95         |          | 3.02         |          | 2.97           |           | 2.56           |           | 5.14            |
| <b>Absolute Return</b>                      | <b>179,301</b>           | <b>8.17</b>              |                 |          |              |          |              |          |                |           |                |           |                 |
| <b>PAAMCO (10/02)</b>                       | <b>179,301</b>           | <b>8.17</b>              | <b>0.70</b>     |          | <b>-2.33</b> |          | <b>-6.74</b> |          | <b>1.95</b>    |           | <b>3.06</b>    |           | <b>3.75</b>     |
| Barclays US Aggregate                       |                          |                          | 2.21            |          | 5.31         |          | 6.00         |          | 4.06           |           | 3.76           |           | 5.13            |
| HFRI FOF: Conservative                      |                          |                          | 0.61            |          | -1.49        |          | -3.26        |          | 1.96           |           | 1.93           |           | 1.37            |
| <b>Real Assets (01/98)</b>                  | <b>276,975</b>           | <b>12.62</b>             | <b>3.38</b>     |          | <b>5.16</b>  |          | <b>4.57</b>  |          | <b>6.08</b>    |           | <b>6.69</b>    |           | <b>5.26</b>     |
| Real Assets Blended Index <sup>4</sup>      |                          |                          | 5.46            |          | 6.99         |          | -3.01        |          | 1.27           |           | 5.13           |           | 2.07            |
| <b>Core Real Estate</b>                     | <b>132,584</b>           | <b>6.04</b>              |                 |          |              |          |              |          |                |           |                |           |                 |
| <b>JP Morgan Strategic Property (12/07)</b> | <b>98,343</b>            | <b>4.48</b>              | <b>2.02</b>     |          | <b>3.94</b>  |          | <b>11.10</b> |          | <b>12.85</b>   |           | <b>12.97</b>   |           | <b>--</b>       |
| NFI ODCE Net                                |                          |                          | 1.91            |          | 3.90         |          | 10.80        |          | 11.97          |           | 11.66          |           | 5.19            |
| NCREIF Property                             |                          |                          | 2.03            |          | 4.28         |          | 10.64        |          | 11.60          |           | 11.51          |           | 7.40            |
| <b>Blackstone Property Partners (01/15)</b> | <b>34,242</b>            | <b>1.56</b>              | <b>3.37</b>     |          | <b>7.91</b>  |          | <b>23.16</b> |          | <b>--</b>      |           | <b>--</b>      |           | <b>--</b>       |
| NFI ODCE Net                                |                          |                          | 1.91            |          | 3.90         |          | 10.80        |          | 11.97          |           | 11.66          |           | 5.19            |
| NCREIF Property                             |                          |                          | 2.03            |          | 4.28         |          | 10.64        |          | 11.60          |           | 11.51          |           | 7.40            |
| <b>Opportunistic Real Estate</b>            | <b>64,764</b>            | <b>2.95</b>              |                 |          |              |          |              |          |                |           |                |           |                 |
| <b>Private Real Estate (08/11)</b>          | <b>60,405</b>            | <b>2.75</b>              | <b>1.18</b>     |          | <b>5.84</b>  |          | <b>14.76</b> |          | <b>13.10</b>   |           | <b>--</b>      |           | <b>--</b>       |
| <b>Private Real Estate Direct</b>           |                          |                          |                 |          |              |          |              |          |                |           |                |           |                 |
| <b>Columbus Square (01/98)</b>              | <b>4,359</b>             | <b>0.20</b>              | <b>7.06</b>     |          | <b>8.71</b>  |          | <b>13.75</b> |          | <b>8.83</b>    |           | <b>10.24</b>   |           | <b>11.70</b>    |
| NCREIF Property                             |                          |                          | 2.03            |          | 4.28         |          | 10.64        |          | 11.60          |           | 11.51          |           | 7.40            |
| NFI ODCE Net                                |                          |                          | 1.91            |          | 3.90         |          | 10.80        |          | 11.97          |           | 11.66          |           | 5.19            |



## Rates of Return Summary & Universe Rankings

For the Periods Ending June 30, 2016

|                                          | Market<br>Value (\$000s) | Actual<br>Allocation (%) | 3 Months<br>(%) | Rank | YTD<br>(%)   | Rank | FYTD<br>(%)   | Rank | 3 Years<br>(%) | Rank | 5 Years<br>(%) | Rank | 10 Years<br>(%) |
|------------------------------------------|--------------------------|--------------------------|-----------------|------|--------------|------|---------------|------|----------------|------|----------------|------|-----------------|
| <b>Commodities</b>                       | <b>79,627</b>            | <b>3.63</b>              |                 |      |              |      |               |      |                |      |                |      |                 |
| <b>Mount Lucas Peak Partners (01/98)</b> | <b>29,665</b>            | <b>1.35</b>              | <b>-0.51</b>    |      | <b>-4.49</b> |      | <b>-2.34</b>  |      | <b>7.37</b>    |      | <b>4.35</b>    |      | <b>6.01</b>     |
| <i>CS Hedge - Global Macro</i>           |                          |                          | <i>0.71</i>     |      | <i>-1.54</i> |      | <i>-3.86</i>  |      | <i>1.54</i>    |      | <i>3.10</i>    |      | <i>5.99</i>     |
| <b>Gresham Tap Fund (08/14)</b>          | <b>49,962</b>            | <b>2.28</b>              | <b>11.53</b>    |      | <b>11.24</b> |      | <b>-15.72</b> |      | <b>--</b>      |      | <b>--</b>      |      | <b>--</b>       |
| <i>Bloomberg Commodity</i>               |                          |                          | <i>12.78</i>    |      | <i>13.25</i> |      | <i>-13.32</i> |      | <i>-10.55</i>  |      | <i>-10.82</i>  |      | <i>-5.59</i>    |
| <b>Cash and Equivalents</b>              | <b>36,370</b>            | <b>1.66</b>              |                 |      |              |      |               |      |                |      |                |      |                 |

**Notes:**

<sup>1</sup> Total Fund Policy Index history available in appendix.

<sup>2</sup> Total Fund Policy: Effective April 2016, the index consists of 60.0% MSCI ACWI, 25.0% Barclays Universal, 10.0% NFI ODCE Net, 5.0% Bloomberg Commodity.

<sup>3</sup> Performance data prior to October 31, 2014 is reflective of the Mellon Capital Passive Index fund. Due to contributions and withdrawals in this account, the returns may differ from the performance of the fund.

<sup>4</sup> Real Assets Blended Index: Effective January 2016, the index consists of 67.0% NFI ODCE Net, 33.0% Bloomberg Commodity.

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## **Equity Manager Performance**

## Northern Trust Russell 1000 Index

For the Periods Ending June 30, 2016

### Account Description

- **Strategy** US Large Cap Core
- **Vehicle** Non-Mutual Commingled
- **Benchmark** Russell 1000
- **Performance Inception Date** August 1998
- **Fees** 1 bps

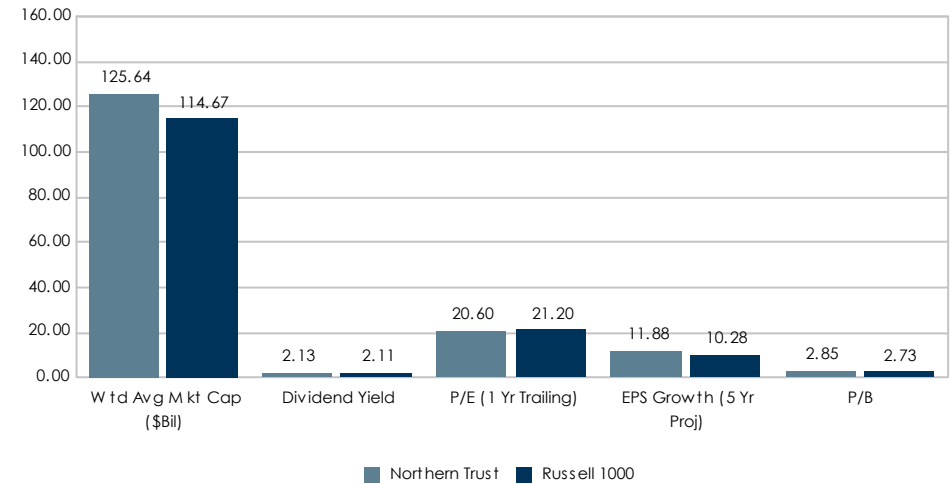
### Performance Goals

- Mirror the risk/return profile of the Russell 1000.
- Over three year rolling time periods, rank above median in the eA US Large Cap Core Equity universe.

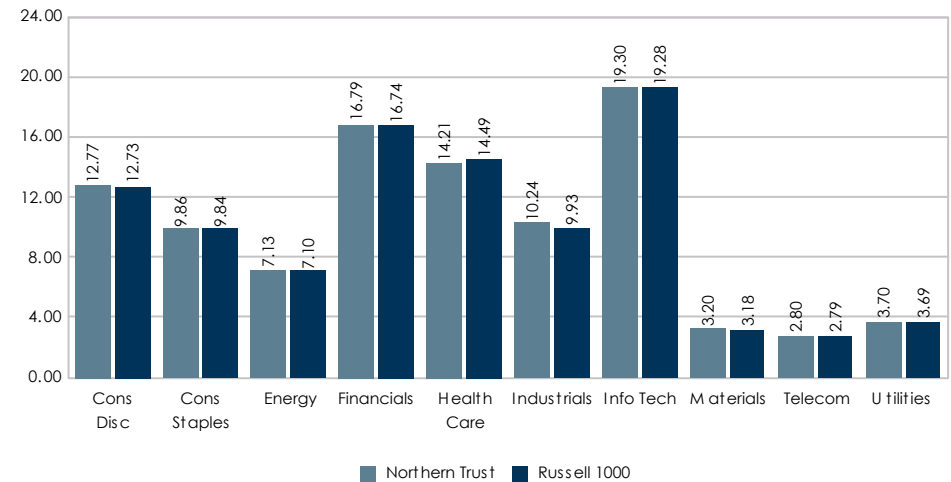
### Dollar Growth Summary (\$000s)

|                               | 3 Months       | 1 Year         |
|-------------------------------|----------------|----------------|
| <b>Beginning Market Value</b> | <b>376,459</b> | <b>394,716</b> |
| Net Additions                 | -9             | -20,029        |
| Return on Investment          | 9,555          | 11,317         |
| <b>Ending Market Value</b>    | <b>386,004</b> | <b>386,004</b> |

### Characteristics



### Sector Allocation



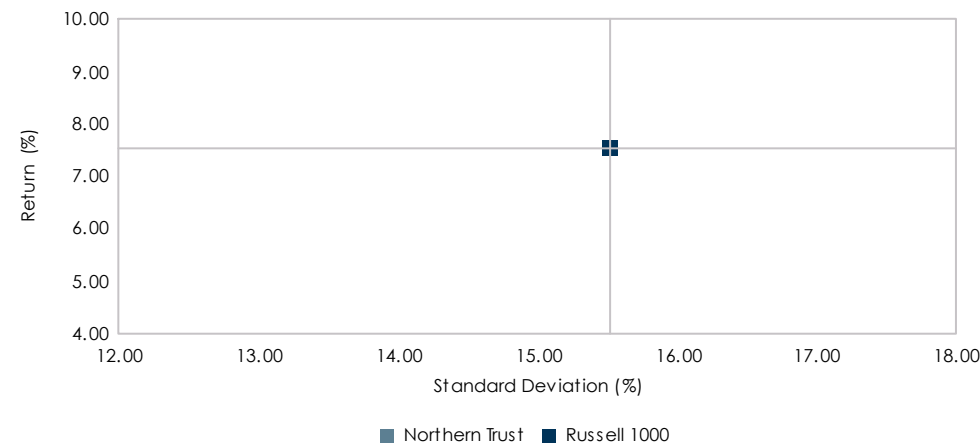
Characteristic and allocation charts represents data of the EB Daily Valued Large Cap Stock Index Fund (Non-Mutual Commingled).

Sector weights may not add to 100% due to securities that are not assigned to a Global Industry Classification Standard (GICS) sector.

Northern Trust Russell 1000 Index

For the Periods Ending June 30, 2016

10 Year Risk / Return



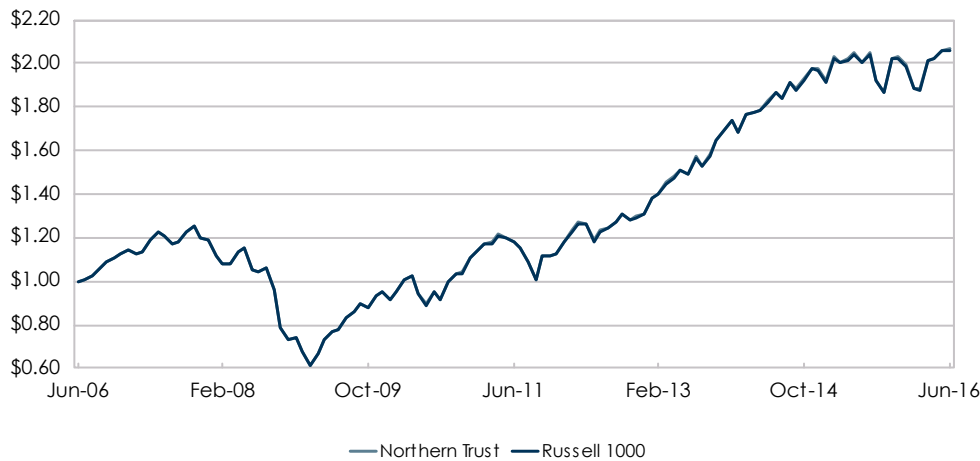
10 Year Portfolio Statistics

|                        | Northern Trust | Russell 1000 |
|------------------------|----------------|--------------|
| Return (%)             | 7.53           | 7.51         |
| Standard Deviation (%) | 15.51          | 15.52        |
| Sharpe Ratio           | 0.43           | 0.43         |

Benchmark Relative Statistics

|                     |        |
|---------------------|--------|
| Beta                | 1.00   |
| R Squared (%)       | 100.00 |
| Alpha (%)           | 0.02   |
| Tracking Error (%)  | 0.05   |
| Batting Average (%) | 66.67  |
| Up Capture (%)      | 100.01 |
| Down Capture (%)    | 99.92  |

10 Year Growth of a Dollar

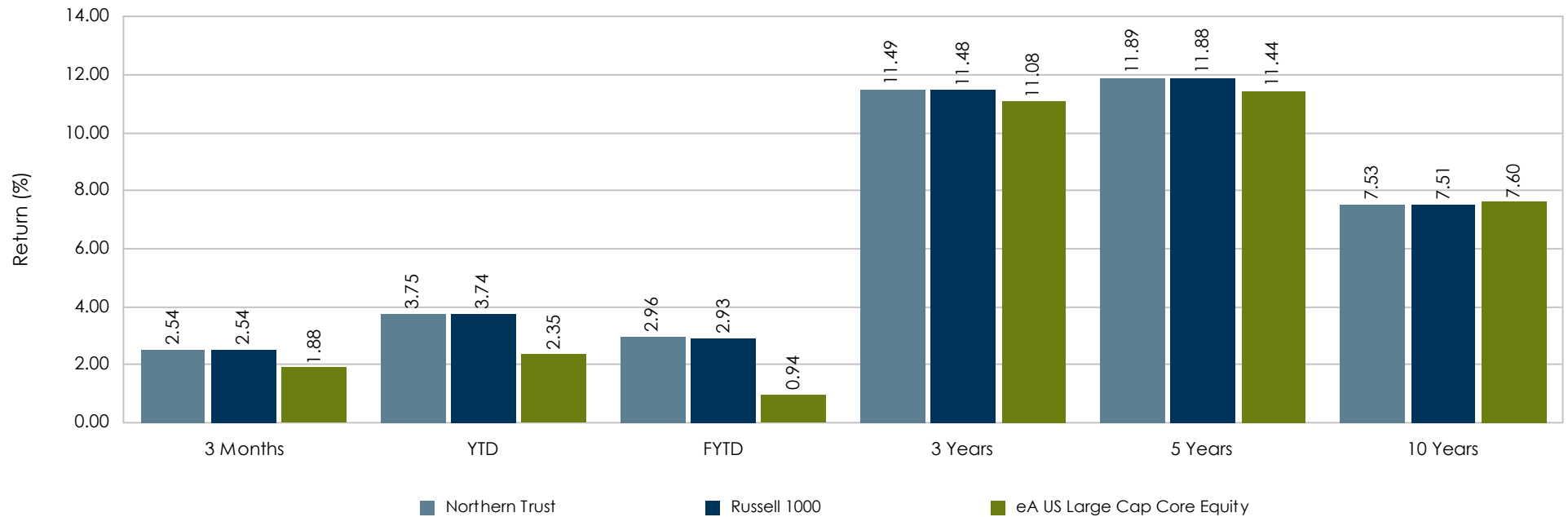


10 Year Return Analysis

|                            | Northern Trust | Russell 1000 |
|----------------------------|----------------|--------------|
| Number of Months           | 120            | 120          |
| Highest Monthly Return (%) | 11.20          | 11.21        |
| Lowest Monthly Return (%)  | -17.49         | -17.46       |
| Number of Positive Months  | 77             | 77           |
| Number of Negative Months  | 43             | 43           |
| % of Positive Months       | 64.17          | 64.17        |

## Northern Trust Russell 1000 Index

For the Periods Ending June 30, 2016

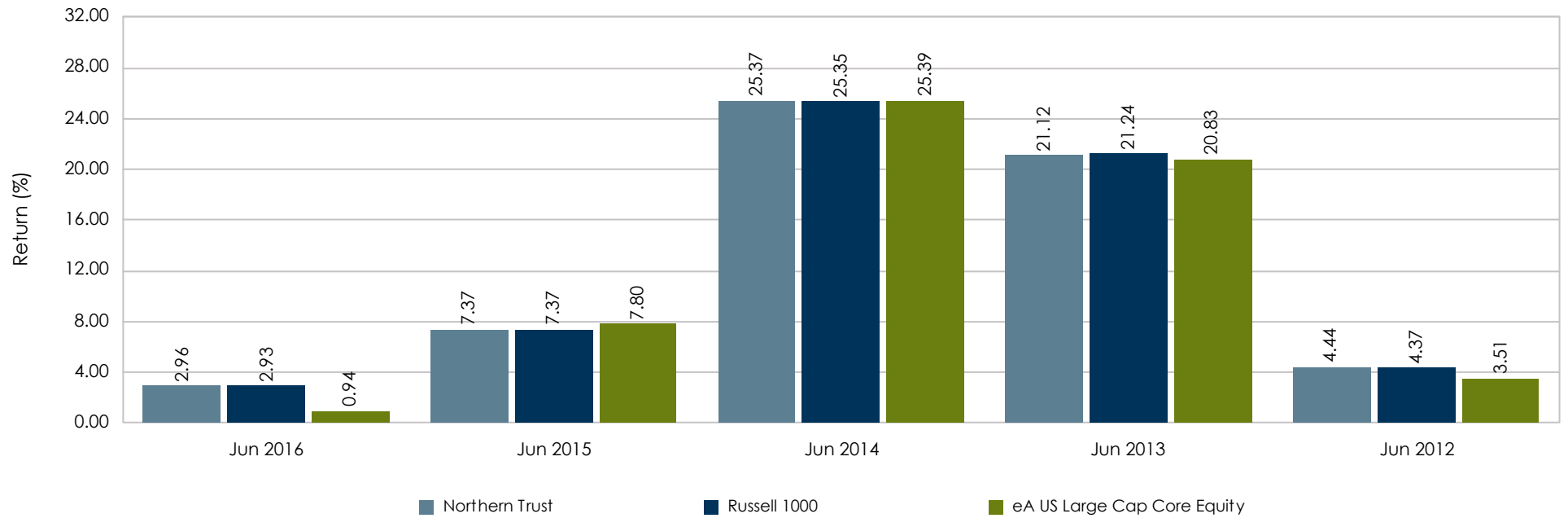


|                 |       |       |       |       |       |      |
|-----------------|-------|-------|-------|-------|-------|------|
| Ranking         | 35    | 32    | 32    | 42    | 41    | 55   |
| 5th Percentile  | 4.63  | 9.06  | 10.30 | 14.10 | 14.00 | 9.78 |
| 25th Percentile | 2.97  | 4.67  | 4.24  | 12.26 | 12.42 | 8.44 |
| 50th Percentile | 1.88  | 2.35  | 0.94  | 11.08 | 11.44 | 7.60 |
| 75th Percentile | 0.88  | 0.38  | -2.13 | 9.92  | 10.20 | 6.98 |
| 95th Percentile | -1.50 | -2.79 | -5.70 | 7.62  | 8.23  | 6.07 |
| Observations    | 327   | 326   | 325   | 312   | 289   | 239  |

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.

## Northern Trust Russell 1000 Index

For the One Year Periods Ending June



|                 |       |       |       |       |       |
|-----------------|-------|-------|-------|-------|-------|
| Ranking         | 32    | 57    | 51    | 48    | 39    |
| 5th Percentile  | 10.30 | 12.79 | 32.26 | 27.00 | 10.03 |
| 25th Percentile | 4.24  | 9.77  | 27.25 | 23.07 | 6.00  |
| 50th Percentile | 0.94  | 7.80  | 25.39 | 20.83 | 3.51  |
| 75th Percentile | -2.13 | 5.44  | 22.93 | 18.68 | 0.38  |
| 95th Percentile | -5.70 | 1.40  | 18.18 | 13.73 | -3.83 |
| Observations    | 325   | 372   | 389   | 411   | 434   |

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.

## Boston Partners

For the Periods Ending June 30, 2016

### Account Description

- **Strategy** US Small/Mid Cap Value
- **Vehicle** Separately Managed Account
- **Benchmarks** Russell 2500 Value and Russell 2000 Value
- **Performance Inception Date** January 1998
- **Fees** 60 bps base fee with annual performance fee

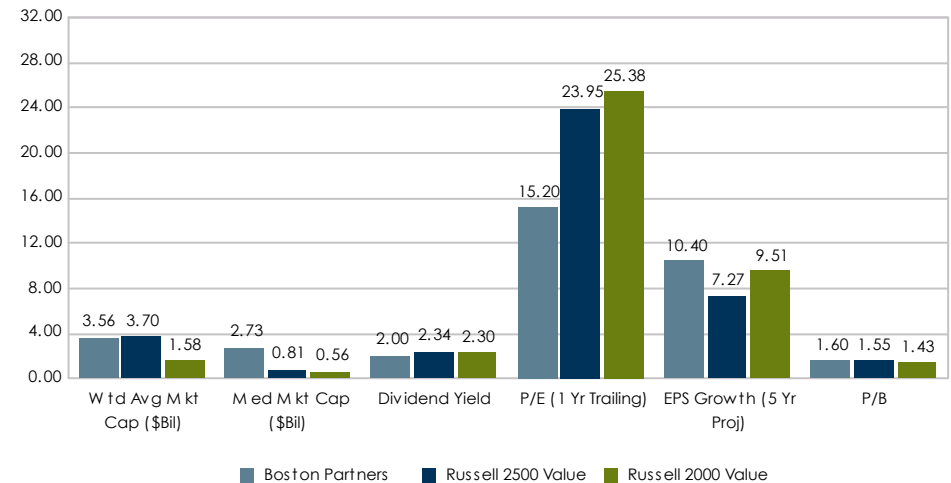
### Performance Goals

- Outperform the Russell 2500 Value and Russell 2000 Value.
- Over rolling three year periods, rank above median in the eA US Mid Cap Value Equity universe.

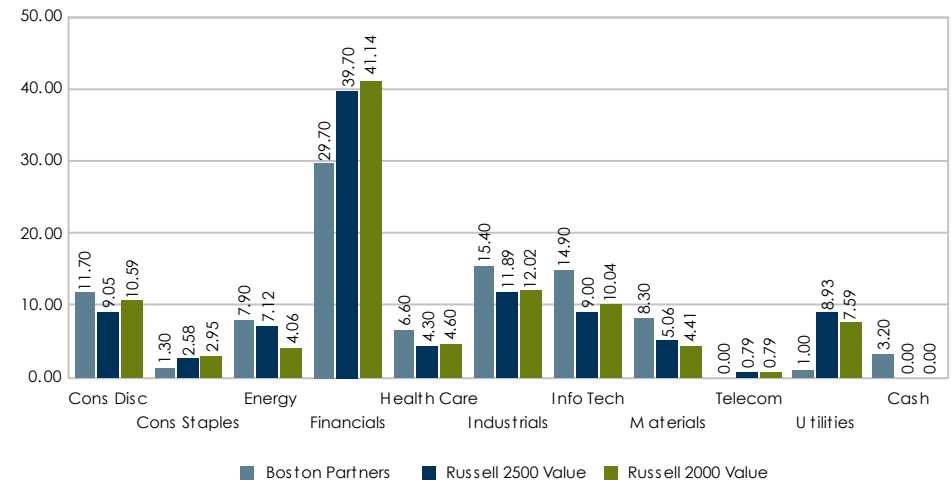
### Dollar Growth Summary (\$000s)

|                               | 3 Months      | 1 Year        |
|-------------------------------|---------------|---------------|
| <b>Beginning Market Value</b> | <b>87,252</b> | <b>92,762</b> |
| Net Additions                 | -131          | -509          |
| Return on Investment          | 1,156         | -3,976        |
| Income                        | 444           | 1,777         |
| Gain/Loss                     | 713           | -5,754        |
| <b>Ending Market Value</b>    | <b>88,277</b> | <b>88,277</b> |

### Characteristics



### Sector Allocation

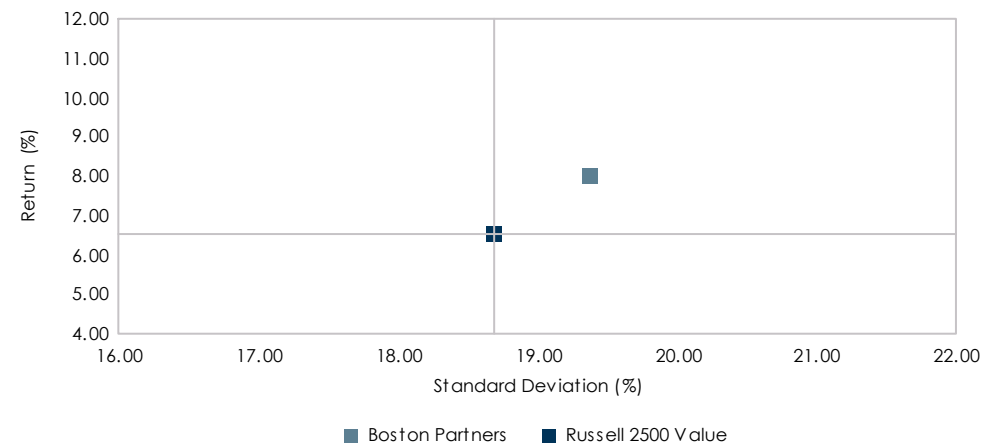




Boston Partners

For the Periods Ending June 30, 2016

10 Year Risk / Return



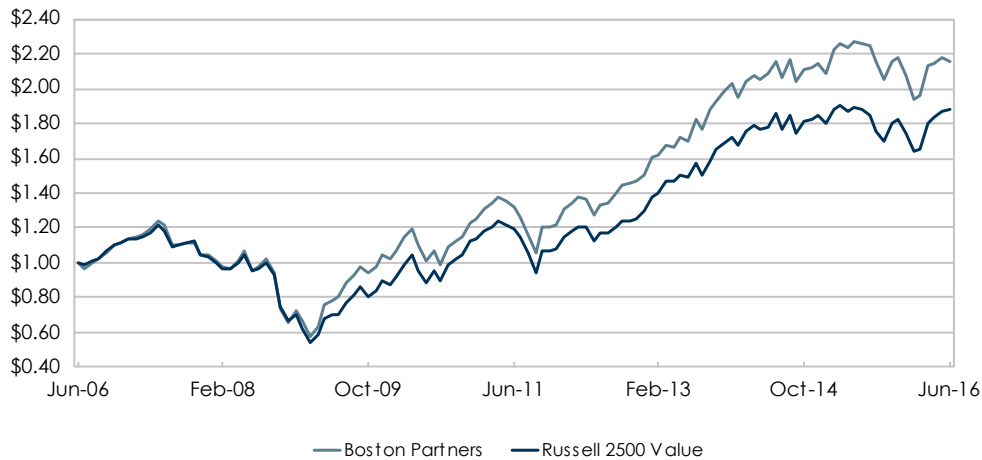
10 Year Portfolio Statistics

|                        | Boston Partners | Russell 2500 Value |
|------------------------|-----------------|--------------------|
| Return (%)             | 8.00            | 6.52               |
| Standard Deviation (%) | 19.38           | 18.68              |
| Sharpe Ratio           | 0.37            | 0.30               |

Benchmark Relative Statistics

|                     |        |
|---------------------|--------|
| Beta                | 1.02   |
| R Squared (%)       | 95.94  |
| Alpha (%)           | 1.40   |
| Tracking Error (%)  | 3.92   |
| Batting Average (%) | 54.17  |
| Up Capture (%)      | 102.50 |
| Down Capture (%)    | 97.20  |

10 Year Growth of a Dollar

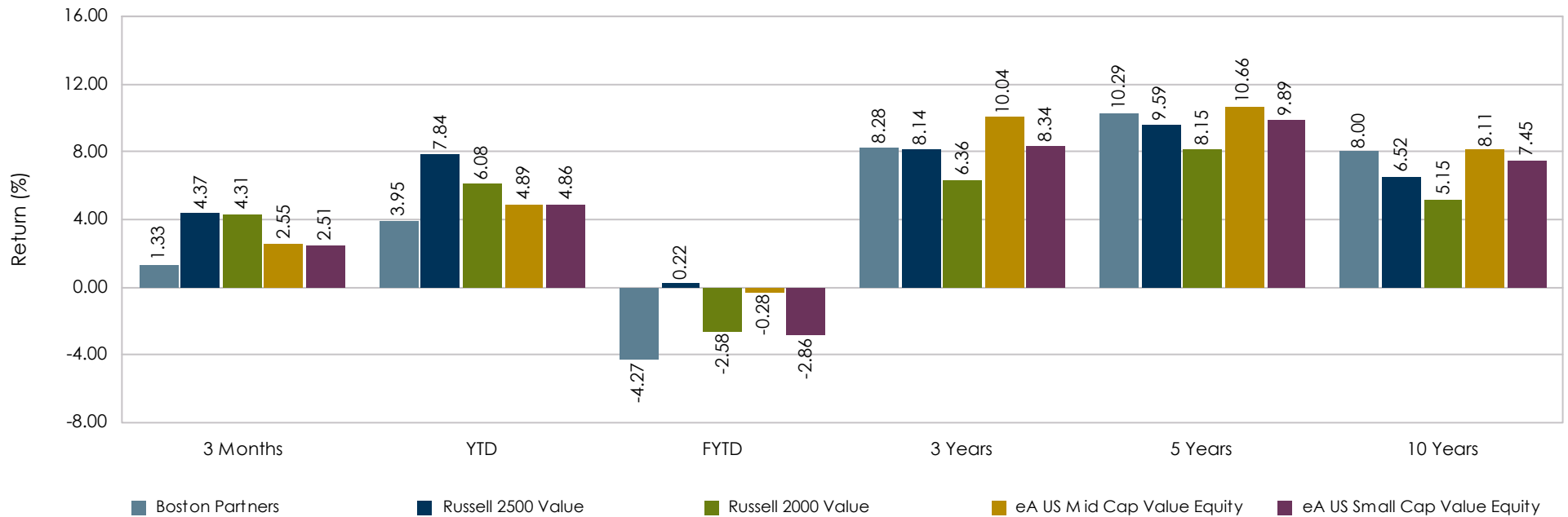


10 Year Return Analysis

|                            | Boston Partners | Russell 2500 Value |
|----------------------------|-----------------|--------------------|
| Number of Months           | 120             | 120                |
| Highest Monthly Return (%) | 19.35           | 15.95              |
| Lowest Monthly Return (%)  | -22.79          | -20.65             |
| Number of Positive Months  | 76              | 75                 |
| Number of Negative Months  | 44              | 45                 |
| % of Positive Months       | 63.33           | 62.50              |

## Boston Partners

For the Periods Ending June 30, 2016

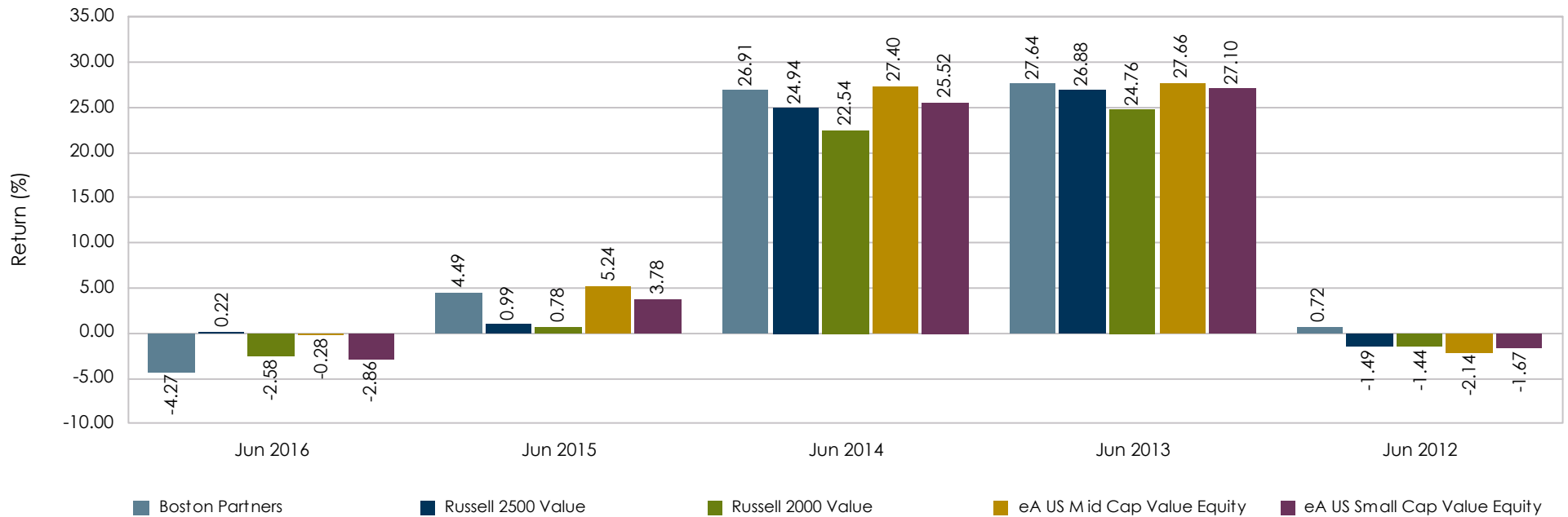


|                 |               |               |                 |               |               |               |
|-----------------|---------------|---------------|-----------------|---------------|---------------|---------------|
| Ranking         | 67 / 70       | 61 / 62       | 78 / 66         | 80 / 51       | 59 / 41       | 57 / 38       |
| 5th Percentile  | 6.01 / 6.58   | 11.36 / 12.02 | 8.52 / 3.60     | 13.64 / 11.39 | 13.59 / 12.73 | 10.97 / 10.35 |
| 25th Percentile | 3.86 / 4.16   | 7.70 / 6.92   | 2.68 / -0.19    | 11.38 / 9.80  | 11.94 / 10.89 | 9.16 / 8.51   |
| 50th Percentile | 2.55 / 2.51   | 4.89 / 4.86   | -0.28 / -2.86   | 10.04 / 8.34  | 10.66 / 9.89  | 8.11 / 7.45   |
| 75th Percentile | 0.77 / 0.87   | 2.84 / 2.73   | -3.94 / -5.75   | 8.86 / 6.09   | 9.72 / 8.44   | 7.73 / 6.54   |
| 95th Percentile | -1.43 / -2.39 | -1.44 / -1.51 | -10.59 / -14.06 | 4.80 / 0.97   | 7.86 / 5.49   | 6.23 / 4.98   |
| Observations    | 105 / 233     | 105 / 233     | 105 / 233       | 102 / 224     | 96 / 215      | 81 / 168      |

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.

## Boston Partners

For the One Year Periods Ending June



|                 |                 |               |               |               |               |
|-----------------|-----------------|---------------|---------------|---------------|---------------|
| Ranking         | 78 / 66         | 60 / 41       | 56 / 38       | 51 / 45       | 22 / 27       |
| 5th Percentile  | 8.52 / 3.60     | 10.03 / 9.78  | 32.71 / 33.41 | 36.04 / 37.23 | 4.90 / 6.03   |
| 25th Percentile | 2.68 / -0.19    | 7.31 / 6.23   | 29.60 / 28.44 | 30.04 / 30.94 | 0.52 / 0.83   |
| 50th Percentile | -0.28 / -2.86   | 5.24 / 3.78   | 27.40 / 25.52 | 27.66 / 27.10 | -2.14 / -1.67 |
| 75th Percentile | -3.94 / -5.75   | 2.37 / 0.29   | 24.72 / 23.14 | 23.67 / 24.15 | -4.03 / -4.16 |
| 95th Percentile | -10.59 / -14.06 | -1.85 / -8.26 | 19.03 / 18.79 | 19.93 / 17.13 | -9.56 / -9.82 |
| Observations    | 105 / 233       | 114 / 248     | 120 / 252     | 126 / 251     | 128 / 254     |

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.

## Cortina

For the Periods Ending June 30, 2016

### Account Description

- **Strategy** US Small/Mid Cap Growth
- **Vehicle** Separately Managed Account
- **Benchmark** Russell 2000 Growth
- **Performance Inception Date** February 2014
- **Fees** First \$25M at 100 bps, next \$25M at 90 bps, balance at 80 bps

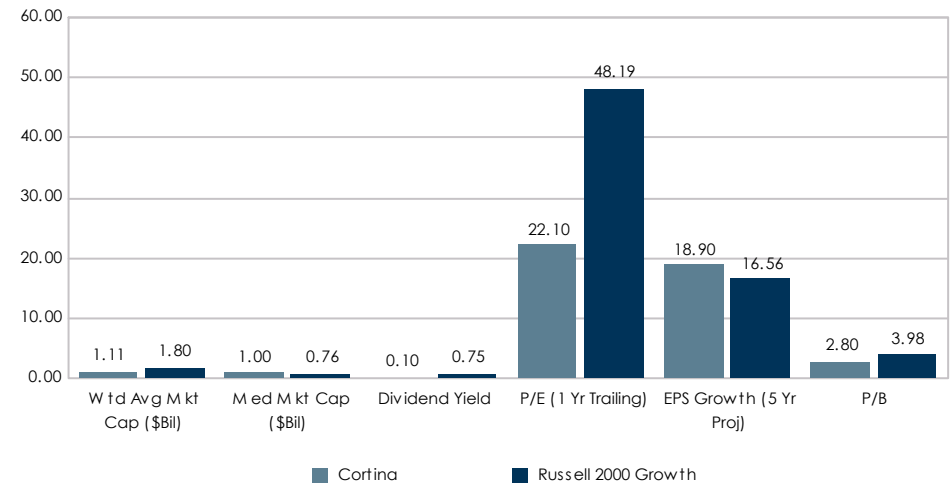
### Performance Goals

- Outperform the Russell 2000 Growth Index.
- Over rolling three year periods, rank above median in a small cap growth universe of peers.

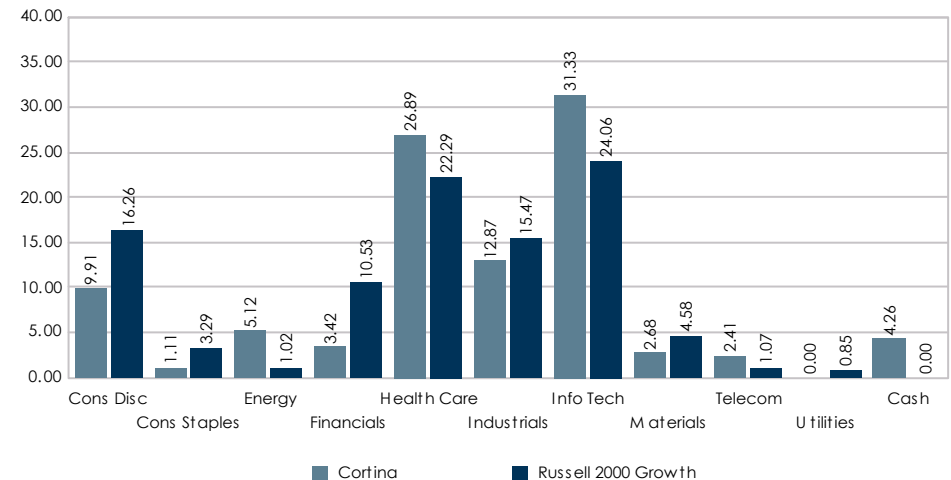
### Dollar Growth Summary (\$000s)

|                               | 3 Months      | 1 Year        |
|-------------------------------|---------------|---------------|
| <b>Beginning Market Value</b> | <b>60,220</b> | <b>69,521</b> |
| Net Additions                 | -139          | -582          |
| Return on Investment          | 4,510         | -4,349        |
| Income                        | 14            | 108           |
| Gain/Loss                     | 4,495         | -4,457        |
| <b>Ending Market Value</b>    | <b>64,590</b> | <b>64,590</b> |

### Characteristics



### Sector Allocation

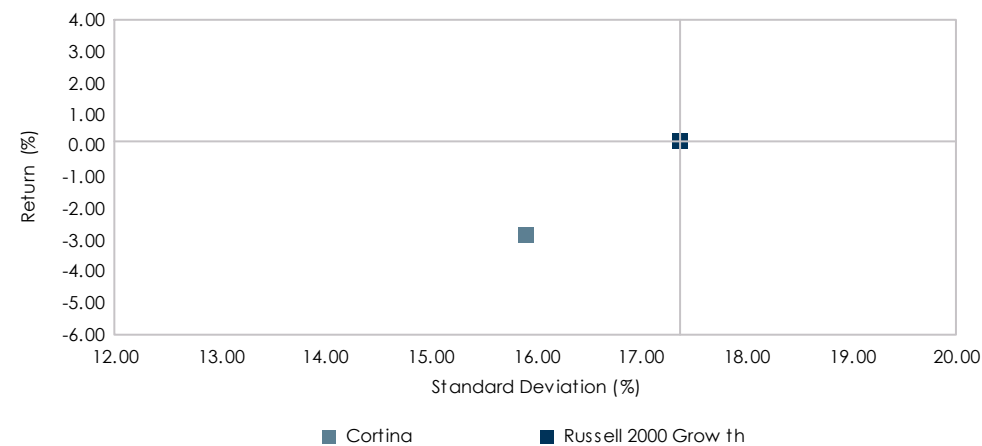


Sector weights may not add to 100% due to securities that are not assigned to a Global Industry Classification Standard (GICS) sector.

Cortina

For the Periods Ending June 30, 2016

2 Year Risk / Return



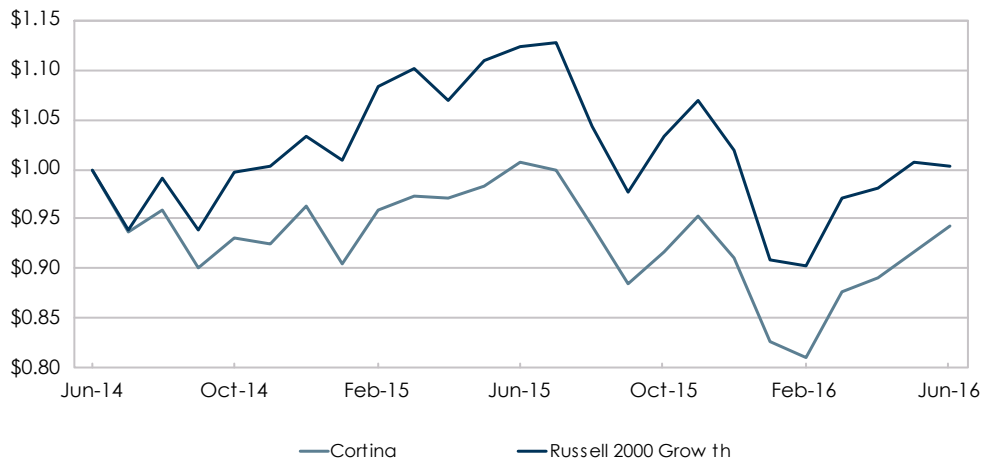
2 Year Portfolio Statistics

|                        | Cortina | Russell<br>2000 Growth |
|------------------------|---------|------------------------|
| Return (%)             | -2.87   | 0.13                   |
| Standard Deviation (%) | 15.92   | 17.38                  |
| Sharpe Ratio           | -0.18   | 0.00                   |

Benchmark Relative Statistics

|                     |       |
|---------------------|-------|
| Beta                | 0.86  |
| R Squared (%)       | 87.23 |
| Alpha (%)           | -3.01 |
| Tracking Error (%)  | 6.22  |
| Batting Average (%) | 50.00 |
| Up Capture (%)      | 74.89 |
| Down Capture (%)    | 92.79 |

2 Year Growth of a Dollar

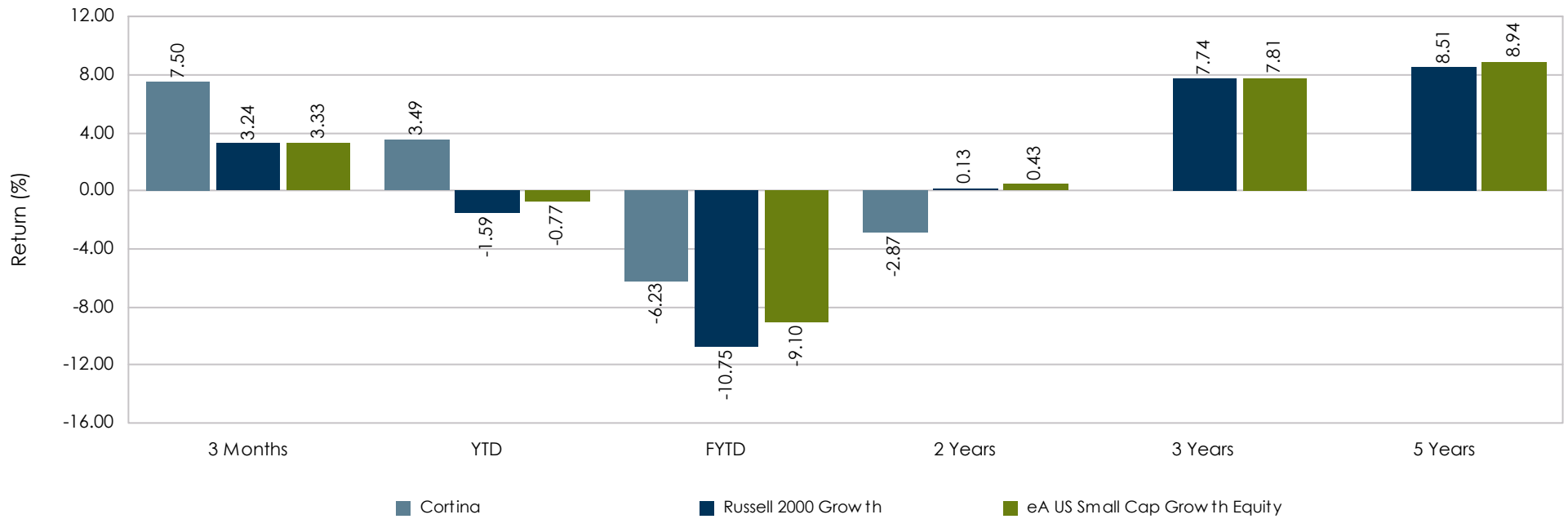


2 Year Return Analysis

|                            | Cortina | Russell<br>2000 Growth |
|----------------------------|---------|------------------------|
| Number of Months           | 24      | 24                     |
| Highest Monthly Return (%) | 8.21    | 7.66                   |
| Lowest Monthly Return (%)  | -9.33   | -10.83                 |
| Number of Positive Months  | 13      | 14                     |
| Number of Negative Months  | 11      | 10                     |
| % of Positive Months       | 54.17   | 58.33                  |

## Cortina

For the Periods Ending June 30, 2016

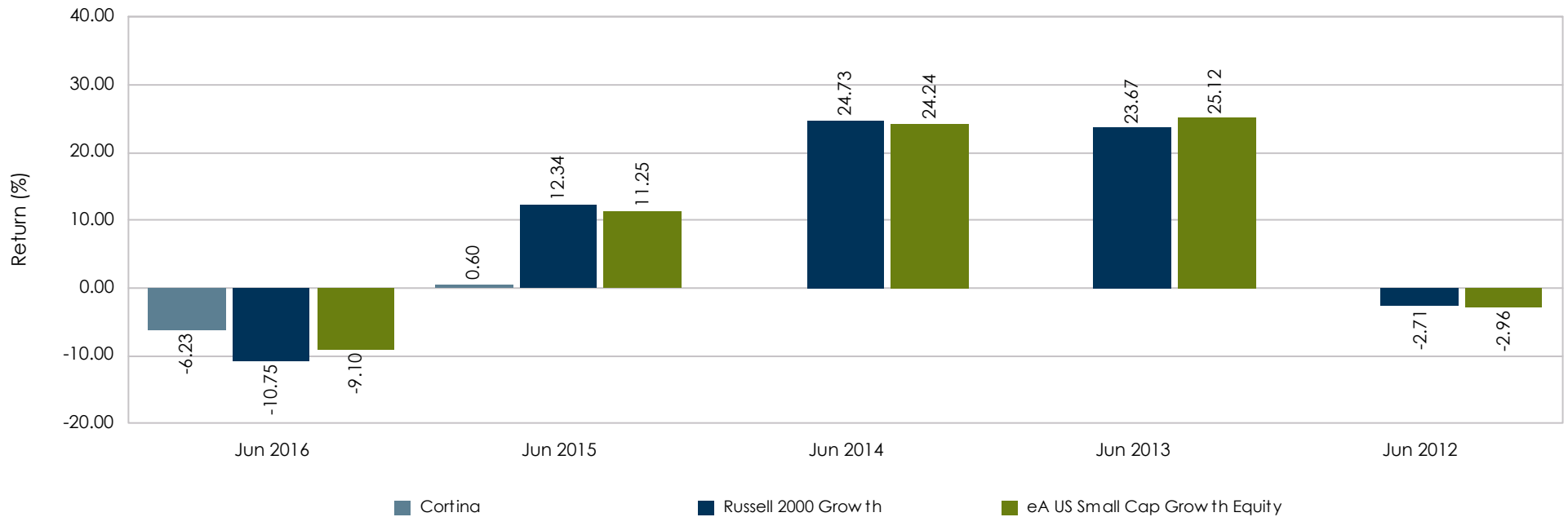


|                 |       |       |        |       |       |       |
|-----------------|-------|-------|--------|-------|-------|-------|
| Ranking         | 7     | 12    | 36     | 82    |       |       |
| 5th Percentile  | 7.94  | 6.20  | 2.30   | 6.96  | 12.93 | 13.72 |
| 25th Percentile | 5.30  | 1.50  | -5.30  | 3.33  | 10.12 | 10.57 |
| 50th Percentile | 3.33  | -0.77 | -9.10  | 0.43  | 7.81  | 8.94  |
| 75th Percentile | 1.84  | -3.77 | -13.59 | -2.47 | 5.86  | 7.40  |
| 95th Percentile | -0.72 | -7.43 | -18.94 | -5.61 | 2.52  | 4.52  |
| Observations    | 172   | 172   | 171    | 167   | 163   | 155   |

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.

## Cortina

For the One Year Periods Ending June



|                 |        |       |       |       |        |
|-----------------|--------|-------|-------|-------|--------|
| Ranking         | 36     | 96    |       |       |        |
| 5th Percentile  | 2.30   | 20.29 | 34.19 | 34.23 | 5.74   |
| 25th Percentile | -5.30  | 14.47 | 28.00 | 28.67 | -0.17  |
| 50th Percentile | -9.10  | 11.25 | 24.24 | 25.12 | -2.96  |
| 75th Percentile | -13.59 | 8.59  | 20.12 | 21.50 | -5.93  |
| 95th Percentile | -18.94 | 1.00  | 15.52 | 16.45 | -12.42 |
| Observations    | 171    | 187   | 194   | 196   | 223    |

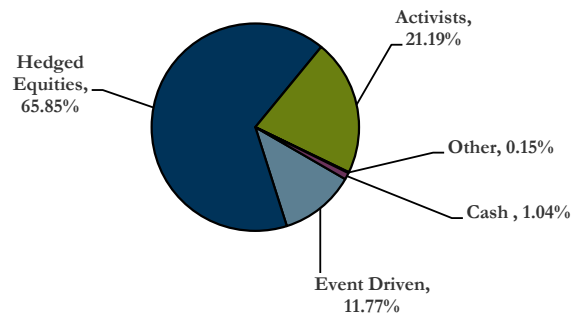
The rankings represent the portfolio's returns versus a peer universe. The rankings are on a scale of 1 to 100 with 1 being the best.

## Grosvenor Long/Short Equity

For the Periods Ending June 30, 2016

### Strategy Allocation

Market Value: \$302,409,344



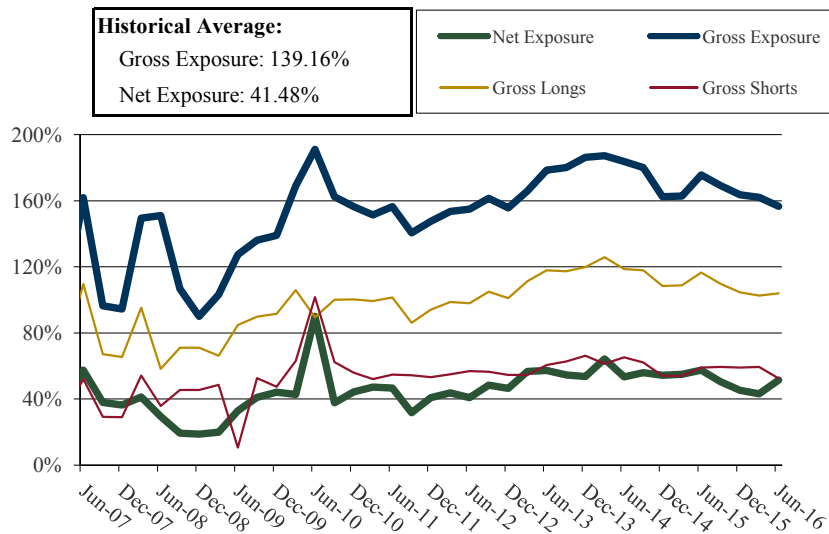
### Strategy

- Equity Long/Short Hedge Fund of Funds
- Performance Inception Date: November 2003

### Exposure

- Net Exposure: 51.51%
- Gross Exposure: 156.56%

### Historical Net & Gross Exposure



### Performance Goals

- Meet or exceed the return of the MSCI All Country World, over extended time periods (5 to 10 years).
- The volatility (standard deviation) of the portfolio should be less than two-thirds the volatility of the MSCI All Country World.
- The Beta of the portfolio relative to the MSCI All Country World Index should be < 0.7.

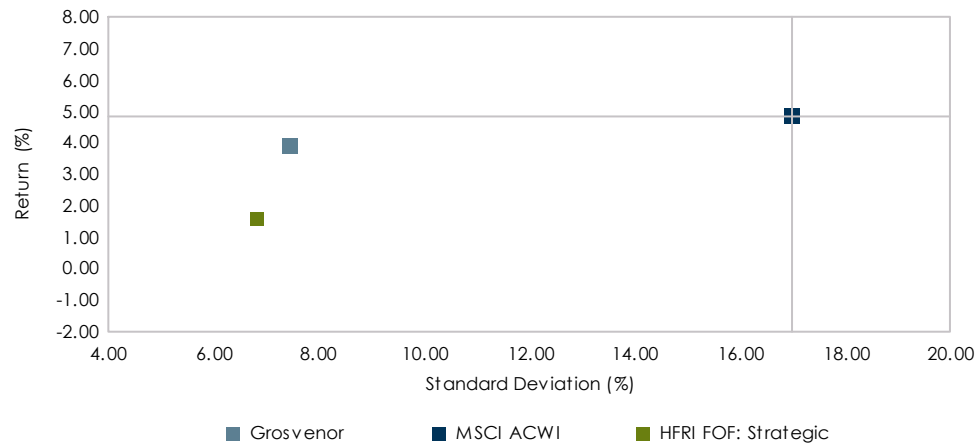
Characteristics provided by manager are the weighted average of GLSEF and GLSEF-B data.



## Grosvenor Long/Short Equity

For the Periods Ending June 30, 2016

### 10 Year Risk / Return



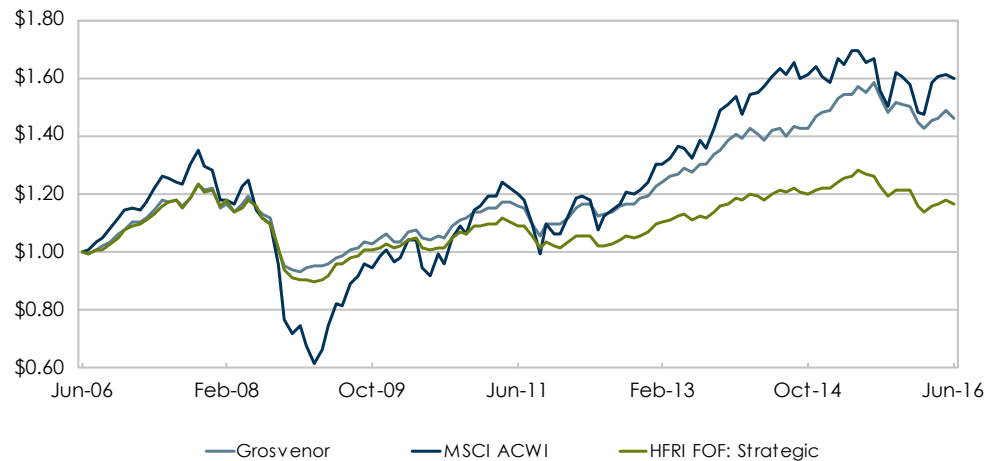
### 10 Year Portfolio Statistics

|                        | Grosvenor | MSCI ACWI | HFRI FOF: Strategic |
|------------------------|-----------|-----------|---------------------|
| Return (%)             | 3.88      | 4.82      | 1.56                |
| Standard Deviation (%) | 7.46      | 17.00     | 6.83                |
| Sharpe Ratio           | 0.40      | 0.23      | 0.10                |

### Benchmark Relative Statistics

|                     |       |        |
|---------------------|-------|--------|
| Beta                | 0.34  | 1.00   |
| R Squared (%)       | 61.55 | 83.41  |
| Alpha (%)           | 1.98  | 2.34   |
| Tracking Error (%)  | 12.07 | 3.04   |
| Batting Average (%) | 50.00 | 63.33  |
| Up Capture (%)      | 38.14 | 115.79 |
| Down Capture (%)    | 39.54 | 90.30  |

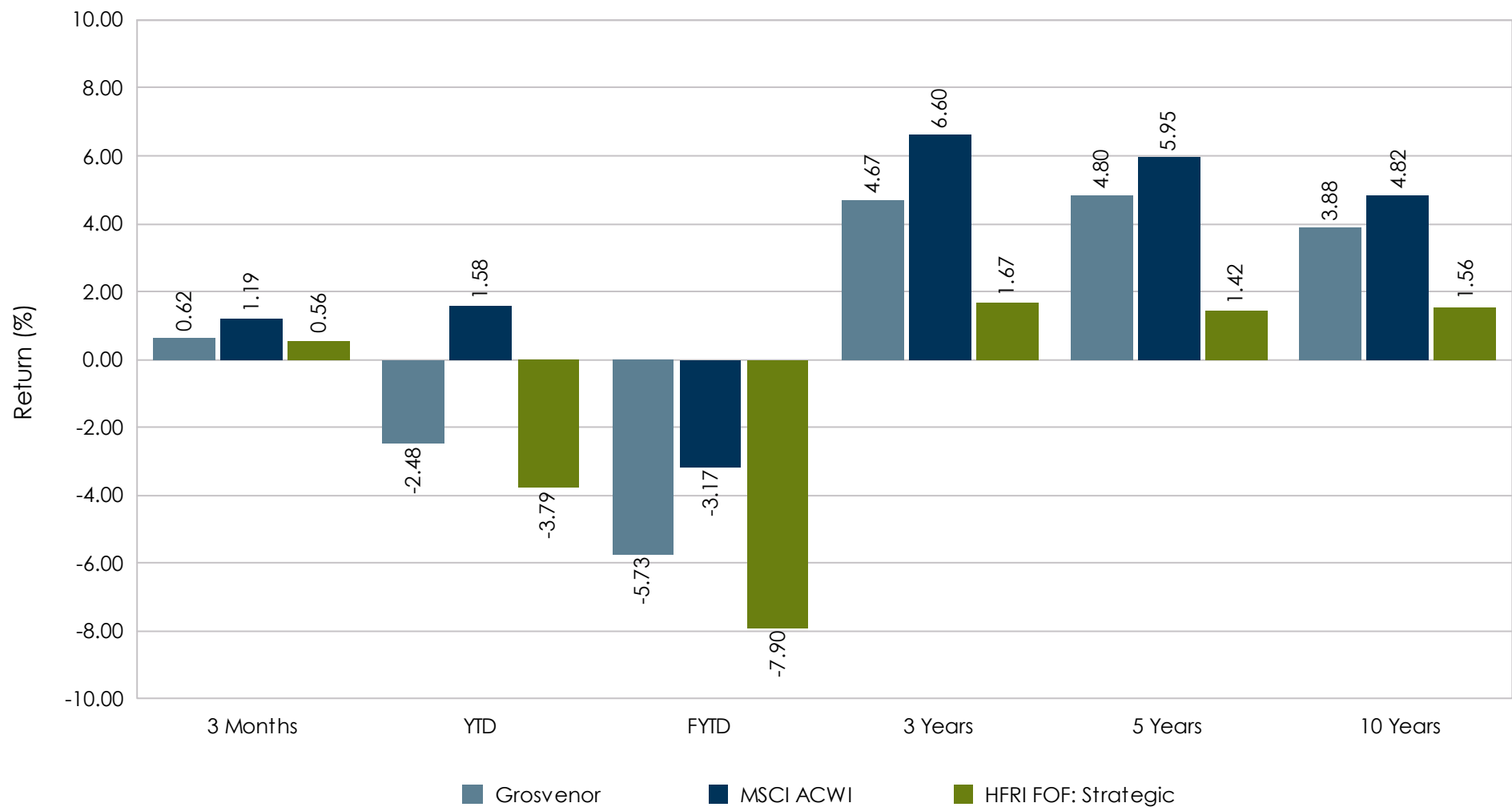
### 10 Year Growth of a Dollar



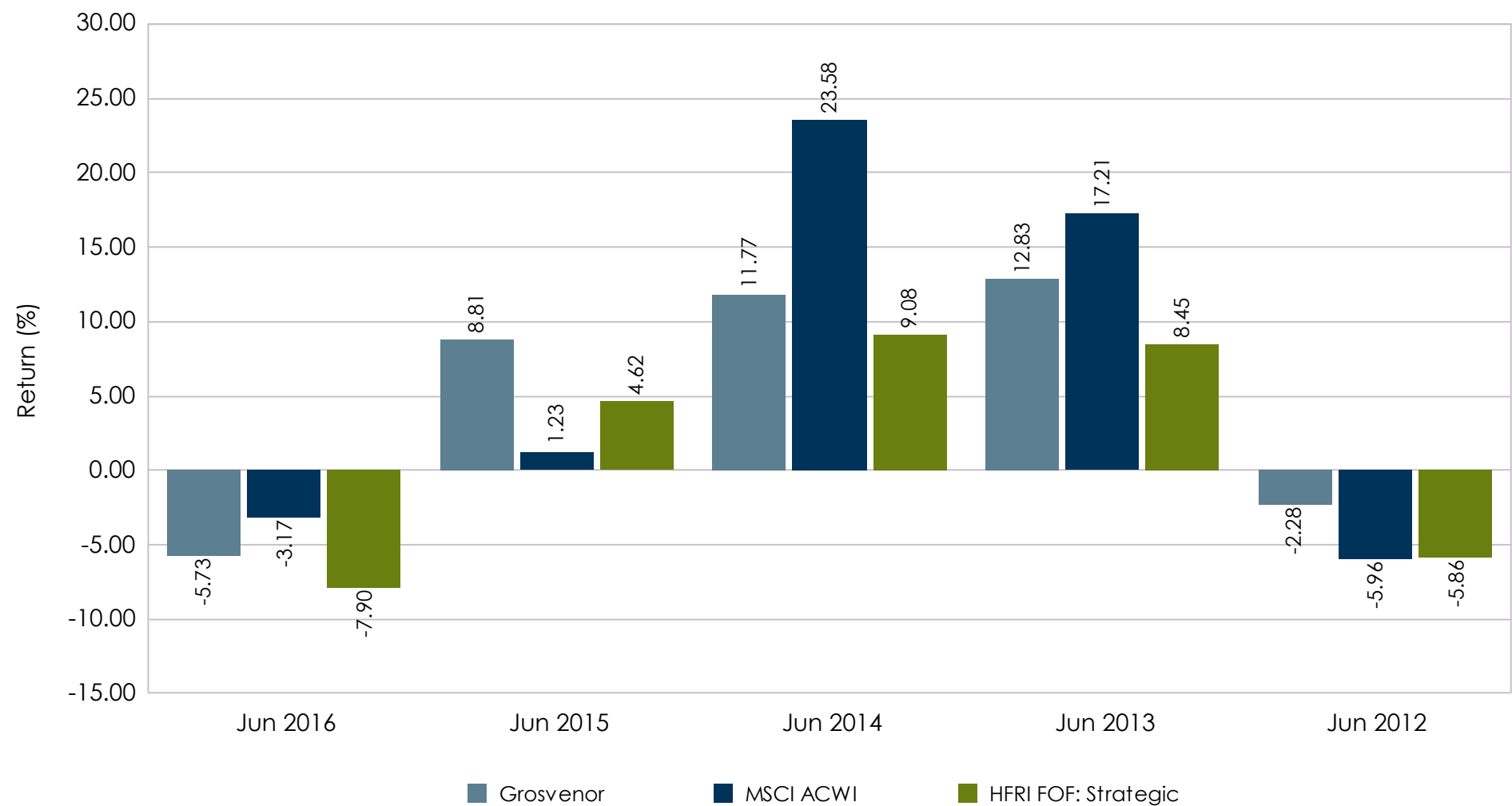
### 10 Year Return Analysis

|                            | Grosvenor | MSCI ACWI | HFRI FOF: Strategic |
|----------------------------|-----------|-----------|---------------------|
| Number of Months           | 120       | 120       | 120                 |
| Highest Monthly Return (%) | 4.12      | 11.90     | 4.25                |
| Lowest Monthly Return (%)  | -10.06    | -19.79    | -7.66               |
| Number of Positive Months  | 76        | 68        | 70                  |
| Number of Negative Months  | 44        | 52        | 50                  |
| % of Positive Months       | 63.33     | 56.67     | 58.33               |

**Grosvenor Long/Short Equity**  
*For the Periods Ending June 30, 2016*



**Grosvenor Long/Short Equity**  
*For the One Year Periods Ending June*



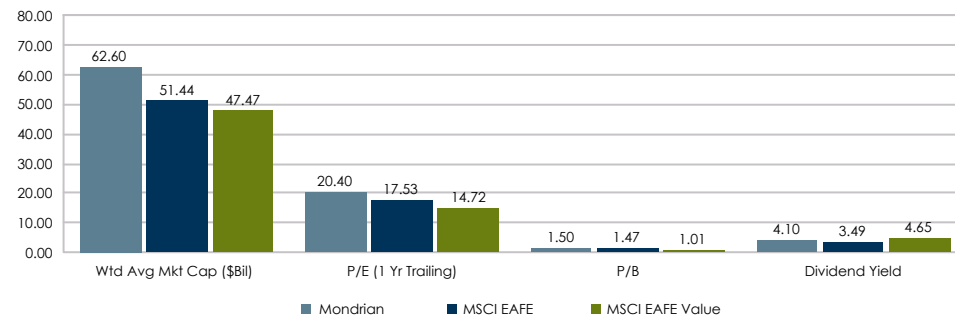
## Mondrian International

For the Periods Ending June 30, 2016

### Account Description

- **Strategy** Int'l Developed Markets Equity
- **Vehicle** Limited Partnership
- **Benchmarks** MSCI EAFE and MSCI EAFE Value
- **Performance Inception Date** May 2004
- **Fees** 70 bps on the first \$20 million, 50 bps on the next \$30 million, 40 bps on the next \$50 million, 30 bps thereafter

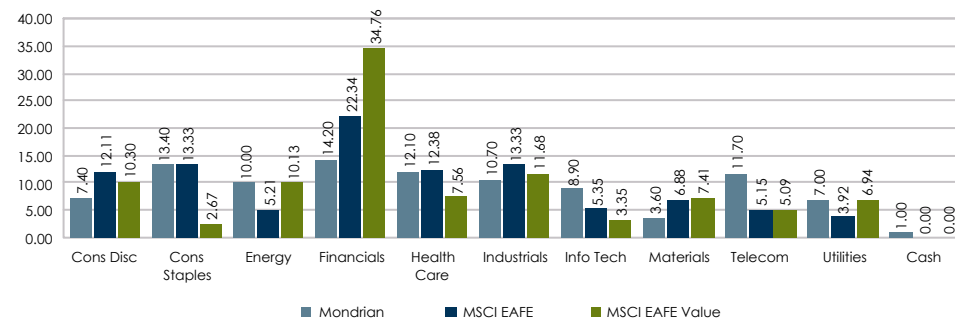
### Characteristics



### Performance Goals

- Outperform the MSCI EAFE and MSCI EAFE Value over a market cycle.
- Rank above median in the eA EAFE All Cap Value Equity universe over a market cycle.

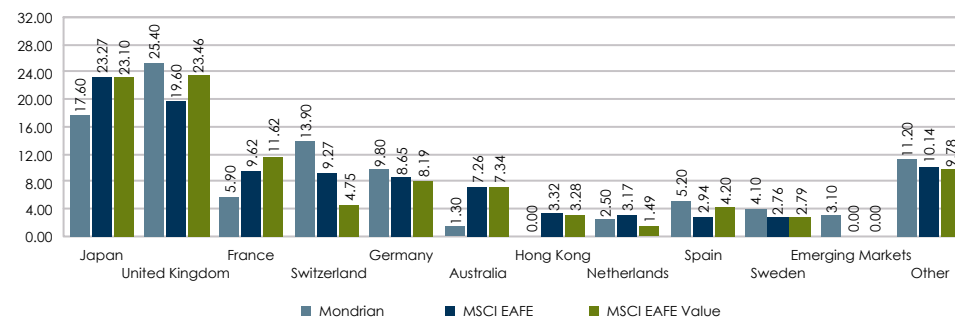
### Sector Allocation



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

|                        | 3 Months | 1 Year  |
|------------------------|----------|---------|
| Beginning Market Value | 113,098  | 122,074 |
| Net Additions          | 0        | 0       |
| Return on Investment   | -50      | -9,026  |
| Ending Market Value    | 113,048  | 113,048 |

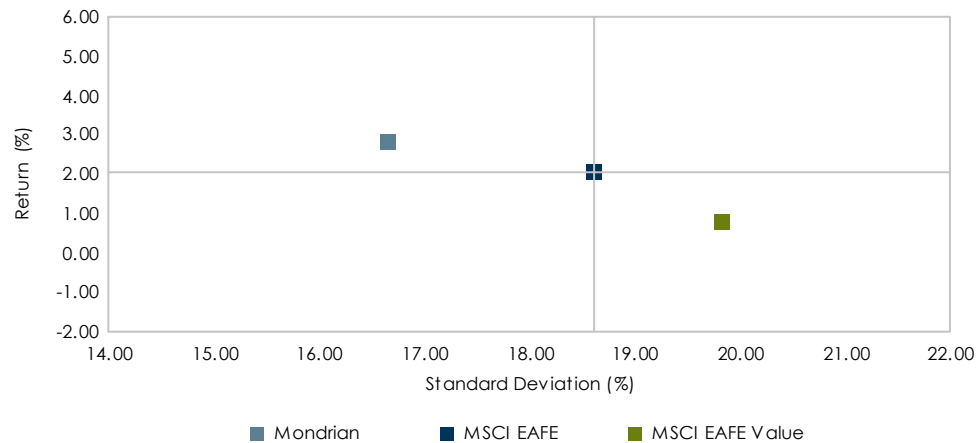
### Country Allocation



## Mondrian International

For the Periods Ending June 30, 2016

### 10 Year Risk / Return



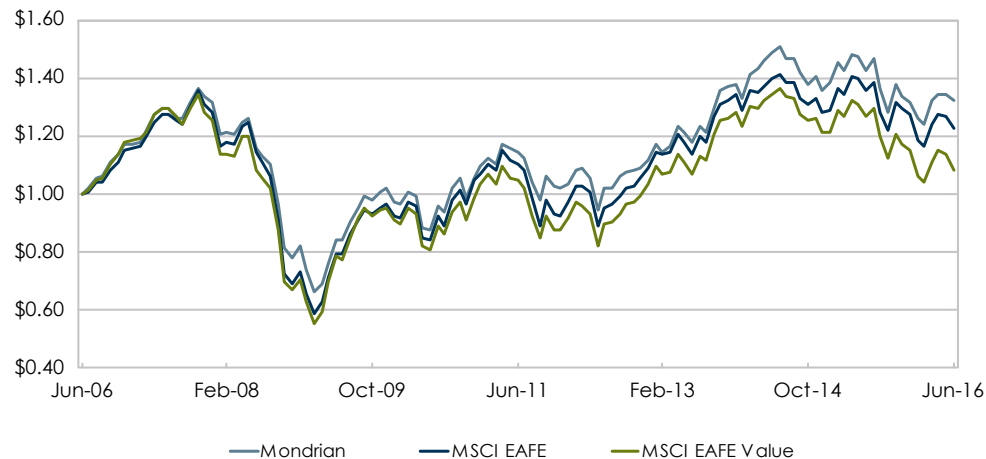
### 10 Year Portfolio Statistics

|                        | Mondrian | MSCI EAFE | MSCI EAFE Value |
|------------------------|----------|-----------|-----------------|
| Return (%)             | 2.82     | 2.05      | 0.78            |
| Standard Deviation (%) | 16.66    | 18.61     | 19.83           |
| Sharpe Ratio           | 0.12     | 0.06      | 0.00            |

### Benchmark Relative Statistics

|                     |       |       |
|---------------------|-------|-------|
| Beta                | 0.88  | 0.82  |
| R Squared (%)       | 95.69 | 95.16 |
| Alpha (%)           | 0.86  | 1.93  |
| Tracking Error (%)  | 4.16  | 5.12  |
| Batting Average (%) | 51.67 | 55.83 |
| Up Capture (%)      | 90.54 | 84.28 |
| Down Capture (%)    | 90.89 | 83.38 |

### 10 Year Growth of a Dollar

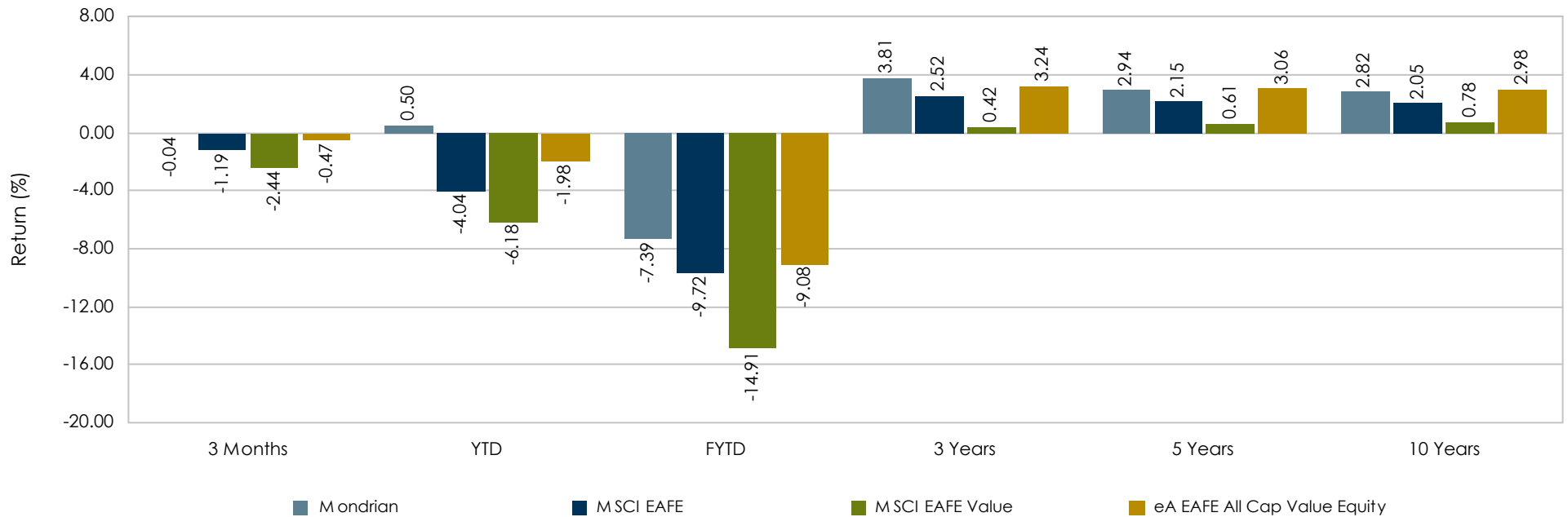


### 10 Year Return Analysis

|                            | Mondrian | MSCI EAFE | MSCI EAFE Value |
|----------------------------|----------|-----------|-----------------|
| Number of Months           | 120      | 120       | 120             |
| Highest Monthly Return (%) | 11.12    | 12.96     | 17.46           |
| Lowest Monthly Return (%)  | -15.52   | -20.17    | -20.56          |
| Number of Positive Months  | 64       | 64        | 62              |
| Number of Negative Months  | 56       | 56        | 58              |
| % of Positive Months       | 53.33    | 53.33     | 51.67           |

## Mondrian International

For the Periods Ending June 30, 2016

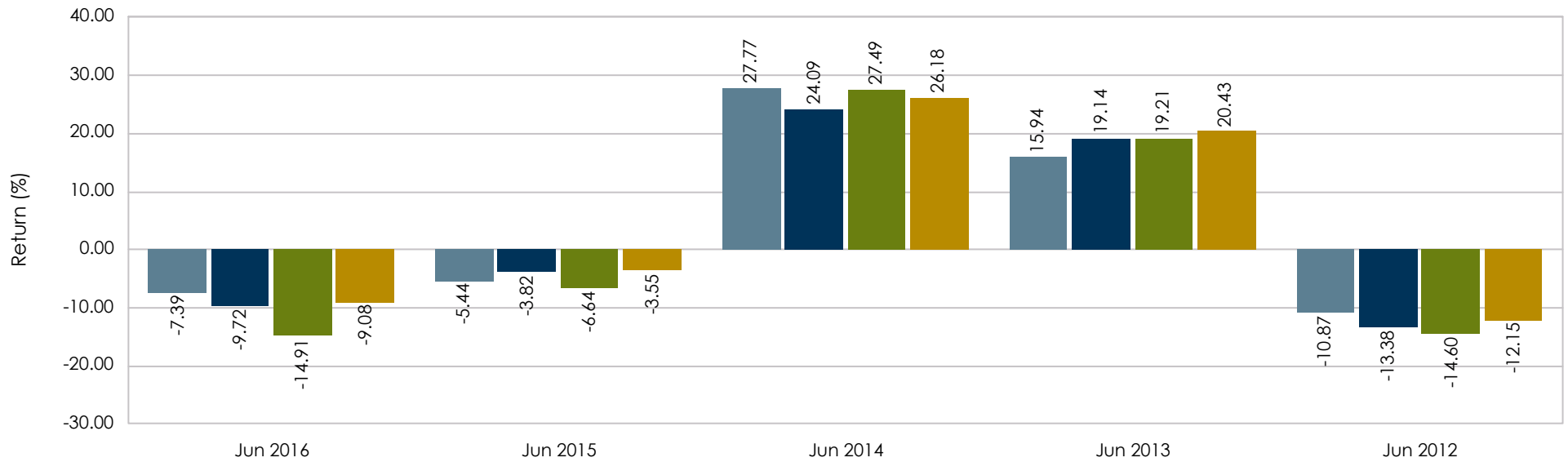


|                 |       |       |        |      |       |      |
|-----------------|-------|-------|--------|------|-------|------|
| Ranking         | 35    | 30    | 42     | 46   | 52    | 54   |
| 5th Percentile  | 3.10  | 5.14  | 5.96   | 7.69 | 7.40  | 7.53 |
| 25th Percentile | 0.82  | 0.85  | -4.75  | 5.44 | 5.03  | 4.52 |
| 50th Percentile | -0.47 | -1.98 | -9.08  | 3.24 | 3.06  | 2.98 |
| 75th Percentile | -2.82 | -4.94 | -11.40 | 2.23 | 1.82  | 2.41 |
| 95th Percentile | -4.09 | -6.63 | -15.38 | 0.40 | -0.08 | 1.43 |
| Observations    | 37    | 37    | 37     | 34   | 31    | 29   |

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.

### Mondrian International

For the One Year Periods Ending June



|                 | Mondrian | MSCI EAFE | MSCI EAFE Value | eA EAFE All Cap Value Equity |
|-----------------|----------|-----------|-----------------|------------------------------|
| Ranking         | 42       | 74        | 37              | 87                           |
| 5th Percentile  | 5.96     | 1.77      | 32.49           | 30.31                        |
| 25th Percentile | -4.75    | -0.87     | 29.01           | 24.05                        |
| 50th Percentile | -9.08    | -3.55     | 26.18           | 20.43                        |
| 75th Percentile | -11.40   | -5.65     | 22.81           | 17.72                        |
| 95th Percentile | -15.38   | -8.43     | 18.21           | 14.19                        |
| Observations    | 37       | 36        | 36              | 38                           |

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.

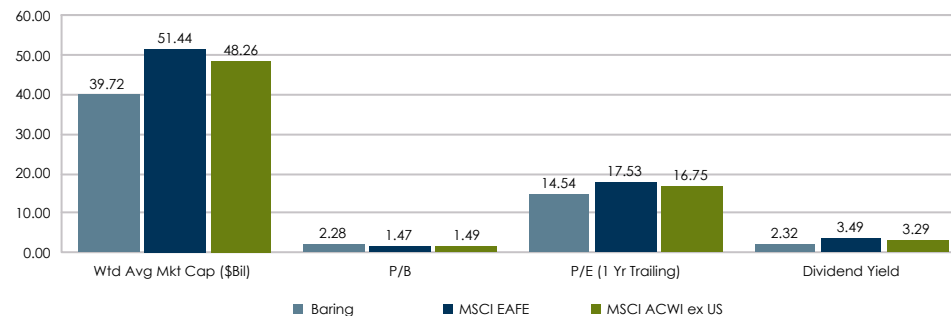
## Baring Focused International

For the Periods Ending June 30, 2016

### Account Description

- **Strategy** Int'l Developed Markets Equity
- **Vehicle** Non-Mutual Commingled
- **Benchmarks** MSCI EAFE and MSCI ACWI ex US
- **Performance Inception Date** March 2012
- **Fees** 40 bps base fee plus performance based fee

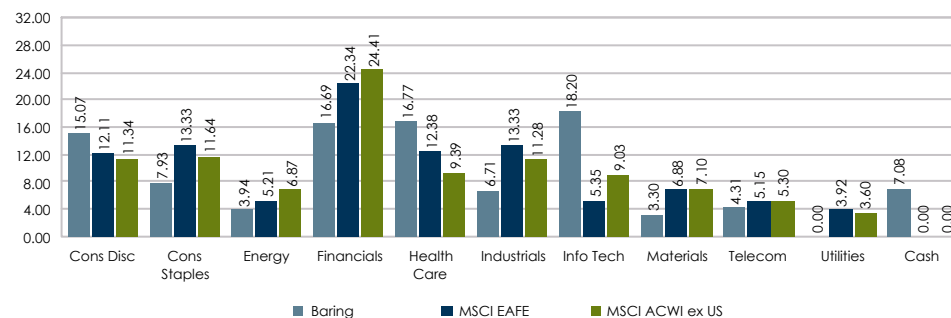
### Characteristics



### Performance Goals

- Outperform the MSCI EAFE and MSCI ACWI ex US over a market cycle.
- Rank above the median in a universe of eA EAFE All Cap Equity universe over a complete market cycle.

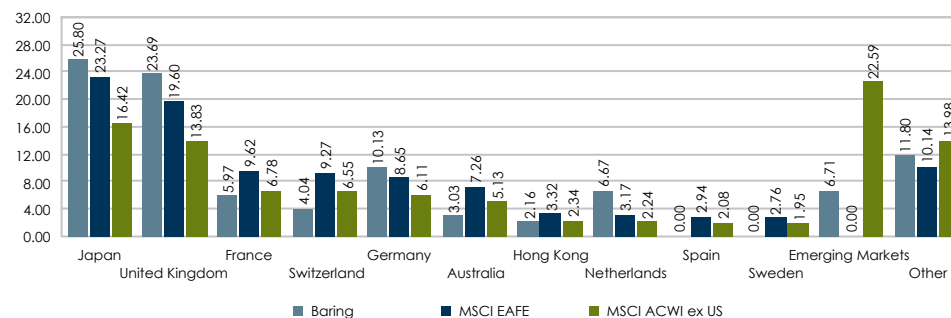
### Sector Allocation



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

|                        | 3 Months | 1 Year |
|------------------------|----------|--------|
| Beginning Market Value | 92,767   | 98,956 |
| Net Additions          | -90      | -942   |
| Return on Investment   | 355      | -4,981 |
| Ending Market Value    | 93,032   | 93,032 |

### Country Allocation

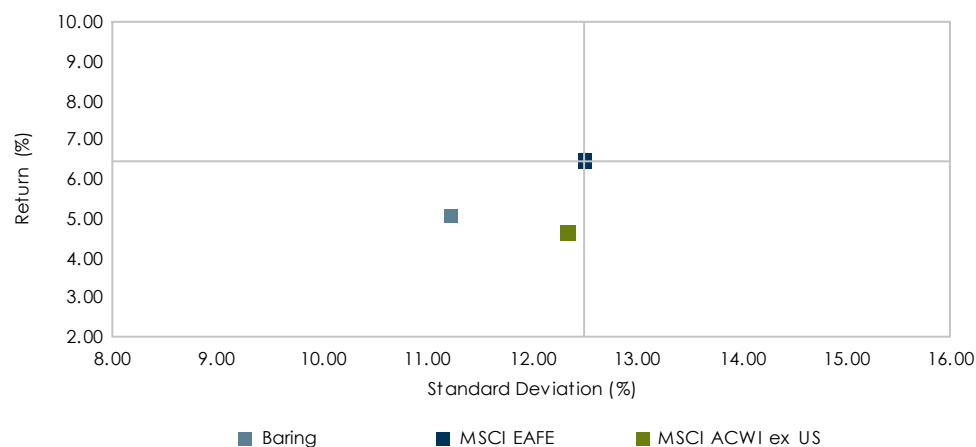




## Baring Focused International

For the Periods Ending June 30, 2016

### 4 Year Risk / Return



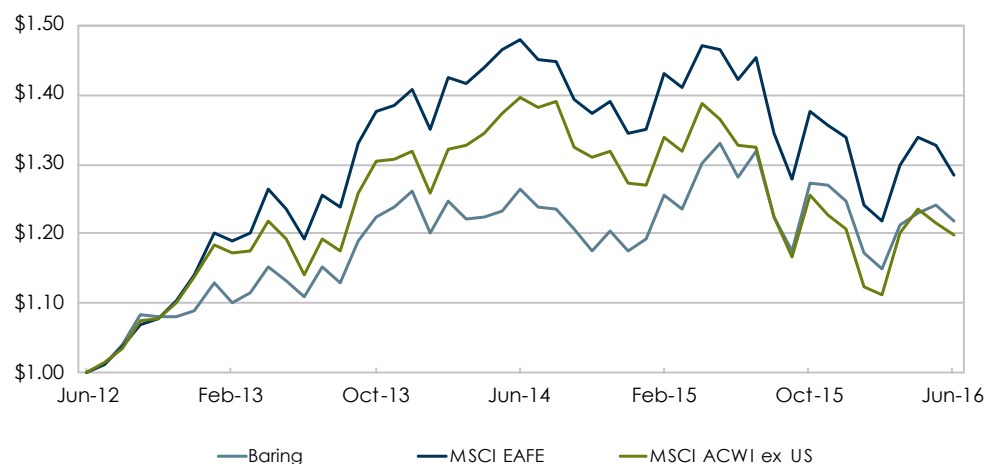
### 4 Year Portfolio Statistics

|                        | Baring | MSCI EAFE | MSCI ACWI ex US |
|------------------------|--------|-----------|-----------------|
| Return (%)             | 5.05   | 6.44      | 4.61            |
| Standard Deviation (%) | 11.23  | 12.51     | 12.35           |
| Sharpe Ratio           | 0.44   | 0.51      | 0.37            |

### Benchmark Relative Statistics

|                     |       |       |
|---------------------|-------|-------|
| Beta                | 0.84  | 0.83  |
| R Squared (%)       | 88.34 | 83.30 |
| Alpha (%)           | -0.38 | 1.19  |
| Tracking Error (%)  | 4.30  | 5.05  |
| Batting Average (%) | 47.92 | 47.92 |
| Up Capture (%)      | 82.72 | 80.98 |
| Down Capture (%)    | 89.57 | 78.39 |

### 4 Year Growth of a Dollar

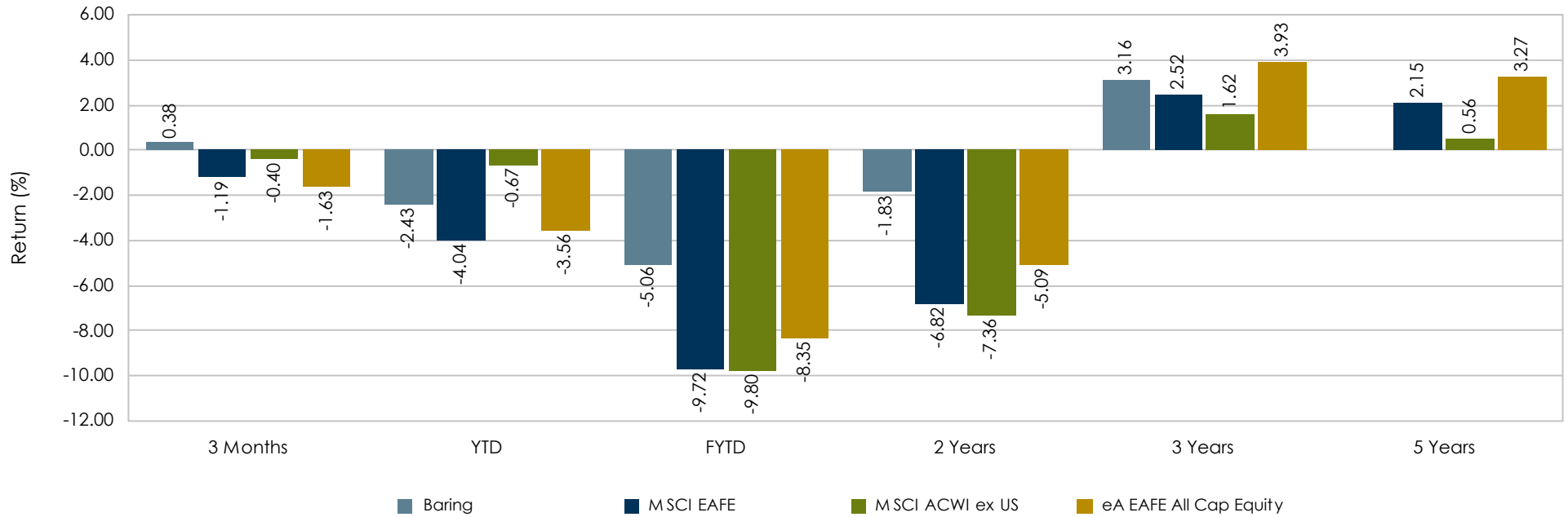


### 4 Year Return Analysis

|                            | Baring | MSCI EAFE | MSCI ACWI ex US |
|----------------------------|--------|-----------|-----------------|
| Number of Months           | 48     | 48        | 48              |
| Highest Monthly Return (%) | 8.27   | 7.82      | 8.21            |
| Lowest Monthly Return (%)  | -7.13  | -7.35     | -7.63           |
| Number of Positive Months  | 26     | 26        | 26              |
| Number of Negative Months  | 22     | 22        | 22              |
| % of Positive Months       | 54.17  | 54.17     | 54.17           |

### Baring Focused International

For the Periods Ending June 30, 2016

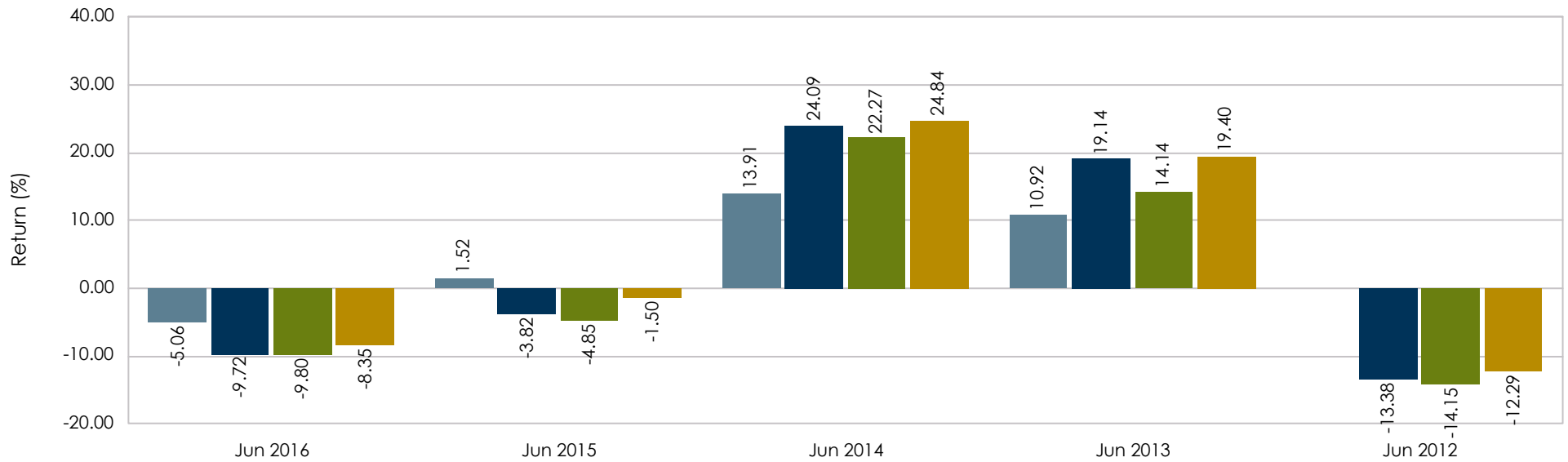


|                 |       |       |        |       |      |      |
|-----------------|-------|-------|--------|-------|------|------|
| Ranking         | 17    | 38    | 25     | 13    | 70   |      |
| 5th Percentile  | 2.14  | 4.70  | 0.77   | -0.15 | 7.20 | 6.57 |
| 25th Percentile | -0.37 | -1.01 | -5.18  | -2.89 | 5.12 | 4.81 |
| 50th Percentile | -1.63 | -3.56 | -8.35  | -5.09 | 3.93 | 3.27 |
| 75th Percentile | -2.84 | -5.32 | -11.21 | -7.03 | 2.58 | 2.08 |
| 95th Percentile | -5.18 | -7.21 | -13.45 | -9.34 | 0.48 | 0.01 |
| Observations    | 126   | 126   | 126    | 121   | 114  | 107  |

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.

### Baring Focused International

For the One Year Periods Ending June



|                 | Baring | MSCI EAFE | MSCI ACWI ex US | eA EAFE All Cap Equity |
|-----------------|--------|-----------|-----------------|------------------------|
| Ranking         | 25     | 16        | 99              | 99                     |
| 5th Percentile  | 0.77   | 4.00      | 31.20           | 28.46                  |
| 25th Percentile | -5.18  | 0.47      | 27.70           | 22.44                  |
| 50th Percentile | -8.35  | -1.50     | 24.84           | 19.40                  |
| 75th Percentile | -11.21 | -4.06     | 21.84           | 16.72                  |
| 95th Percentile | -13.45 | -8.33     | 16.64           | 13.30                  |
| Observations    | 126    | 128       | 127             | 130                    |

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.

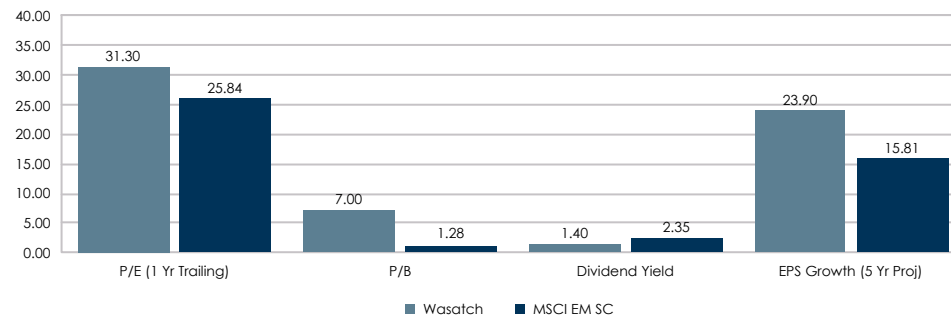
## Wasatch Emerging Markets

For the Periods Ending June 30, 2016

### Account Description

- **Strategy** Emerging Markets Equity
- **Vehicle** Non-Mutual Commingled
- **Benchmark** MSCI EM SC
- **Performance Inception Date** September 2012
- **Fees** 150 bps

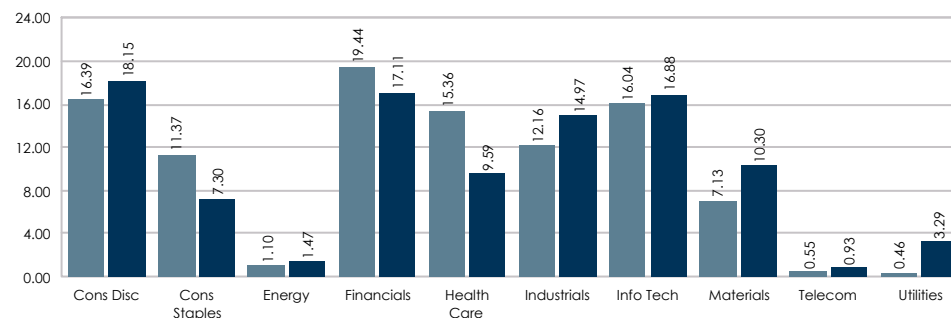
### Characteristics



### Performance Goals

- Outperform the MSCI Emerging Markets Small Cap Index over a market cycle.
- Rank above median in a universe of international emerging markets equity peers over a market cycle.

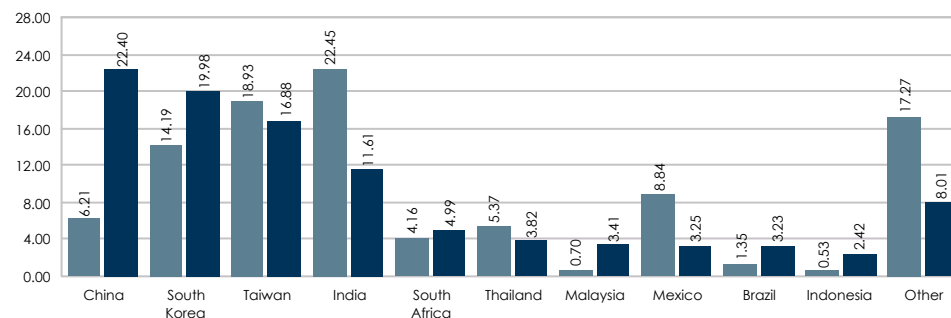
### Sector Allocation



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

|                               | 3 Months      | 1 Year        |
|-------------------------------|---------------|---------------|
| <b>Beginning Market Value</b> | <b>29,440</b> | <b>33,711</b> |
| Net Additions                 | -78           | -312          |
| Return on Investment          | 754           | -3,284        |
| Income                        | 78            | 312           |
| Gain/Loss                     | 676           | -3,595        |
| <b>Ending Market Value</b>    | <b>30,116</b> | <b>30,116</b> |

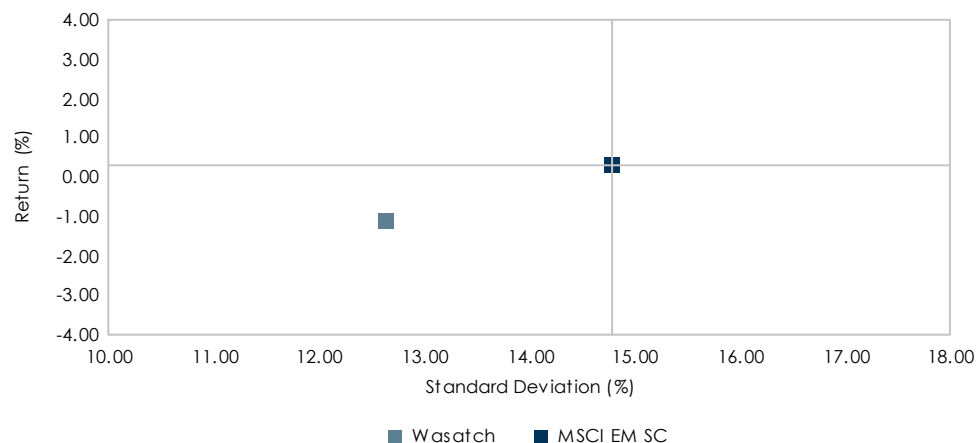
### Country Allocation



## Wasatch Emerging Markets

For the Periods Ending June 30, 2016

### 3 Year Risk / Return



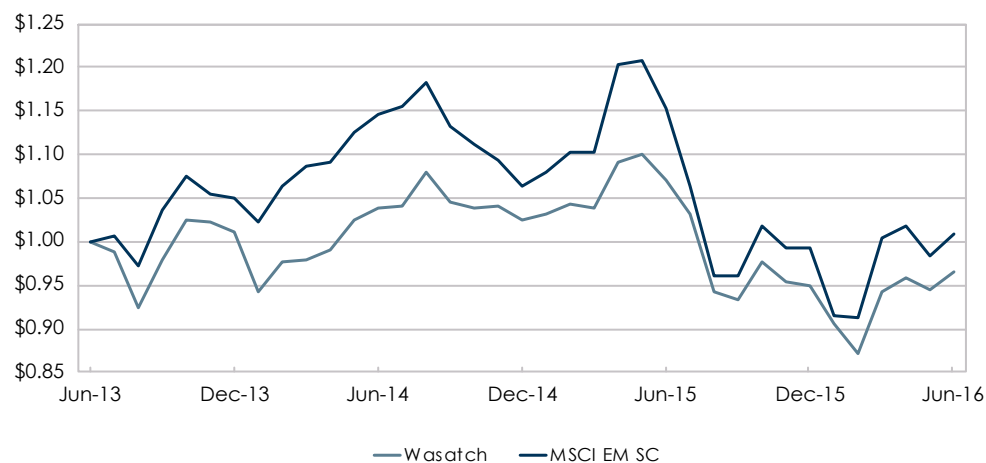
### 3 Year Portfolio Statistics

|                        | Wasatch | MSCI EM SC |
|------------------------|---------|------------|
| Return (%)             | -1.14   | 0.28       |
| Standard Deviation (%) | 12.64   | 14.78      |
| Sharpe Ratio           | -0.09   | 0.02       |

### Benchmark Relative Statistics

|                     |       |
|---------------------|-------|
| Beta                | 0.77  |
| R Squared (%)       | 80.95 |
| Alpha (%)           | -1.39 |
| Tracking Error (%)  | 6.49  |
| Batting Average (%) | 47.22 |
| Up Capture (%)      | 75.28 |
| Down Capture (%)    | 88.03 |

### 3 Year Growth of a Dollar

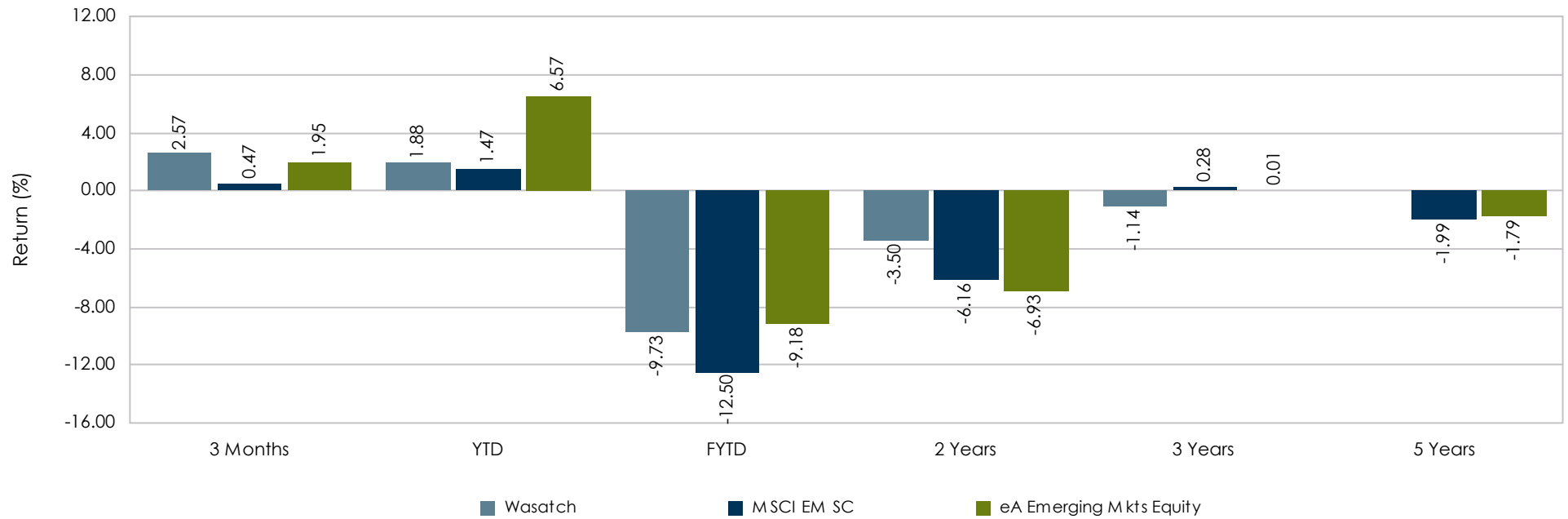


### 3 Year Return Analysis

|                            | Wasatch | MSCI EM SC |
|----------------------------|---------|------------|
| Number of Months           | 36      | 36         |
| Highest Monthly Return (%) | 8.10    | 10.01      |
| Lowest Monthly Return (%)  | -8.54   | -9.60      |
| Number of Positive Months  | 18      | 20         |
| Number of Negative Months  | 18      | 16         |
| % of Positive Months       | 50.00   | 55.56      |

## Wasatch Emerging Markets

For the Periods Ending June 30, 2016

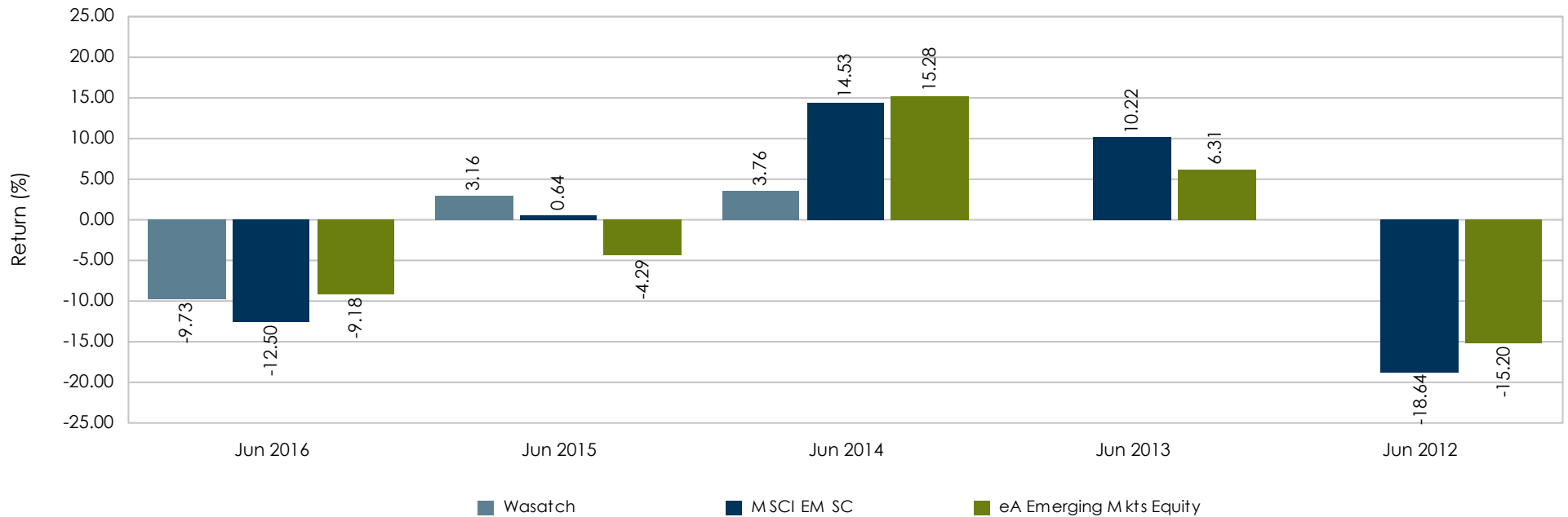


|                 |       |       |        |        |       |       |
|-----------------|-------|-------|--------|--------|-------|-------|
| Ranking         | 37    | 92    | 56     | 15     | 71    |       |
| 5th Percentile  | 5.35  | 13.31 | -1.35  | -1.24  | 5.25  | 3.13  |
| 25th Percentile | 3.20  | 9.07  | -5.96  | -4.57  | 1.80  | -0.02 |
| 50th Percentile | 1.95  | 6.57  | -9.18  | -6.93  | 0.01  | -1.79 |
| 75th Percentile | 0.74  | 4.57  | -11.89 | -8.62  | -1.34 | -3.24 |
| 95th Percentile | -0.83 | 1.31  | -14.63 | -11.02 | -3.04 | -4.70 |
| Observations    | 420   | 420   | 420    | 400    | 380   | 292   |

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.

## Wasatch Emerging Markets

For the One Year Periods Ending June



|                 |        |        |       |       |        |
|-----------------|--------|--------|-------|-------|--------|
| Ranking         | 56     | 6      | 99    |       |        |
| 5th Percentile  | -1.35  | 3.57   | 25.22 | 20.61 | -2.90  |
| 25th Percentile | -5.96  | -1.28  | 18.39 | 10.08 | -11.28 |
| 50th Percentile | -9.18  | -4.29  | 15.28 | 6.31  | -15.20 |
| 75th Percentile | -11.89 | -7.42  | 12.90 | 3.26  | -17.69 |
| 95th Percentile | -14.63 | -12.15 | 8.65  | -0.91 | -21.75 |
| Observations    | 420    | 431    | 431   | 405   | 371    |

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.

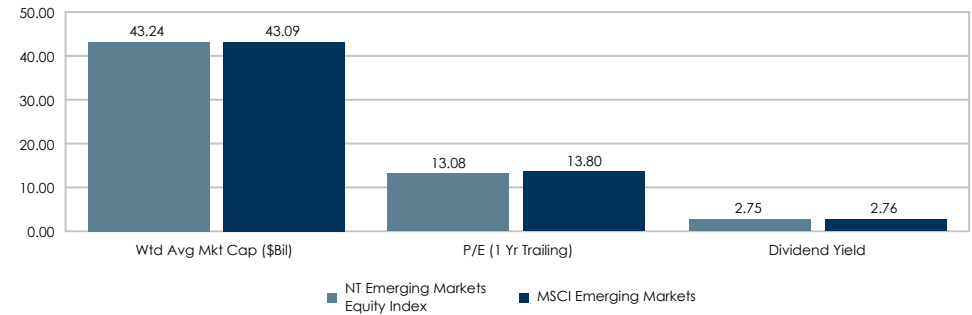
## NT Emerging Markets Equity Index

For the Periods Ending June 30, 2016

### Account Description

- **Strategy** Emerging Markets Equity
- **Benchmark** MSCI Emerging Markets
- **Performance Inception Date** May 2016
- **Fees** 12 bps

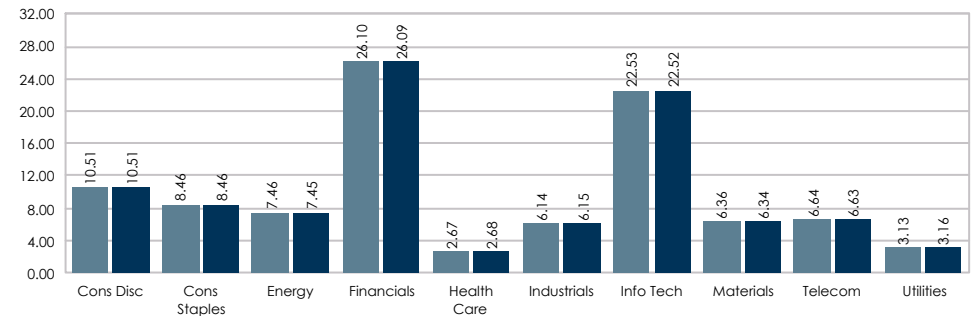
### Characteristics



### Performance Goals

- To provide investment results that approximate the overall performance of the MSCI Emerging Markets.

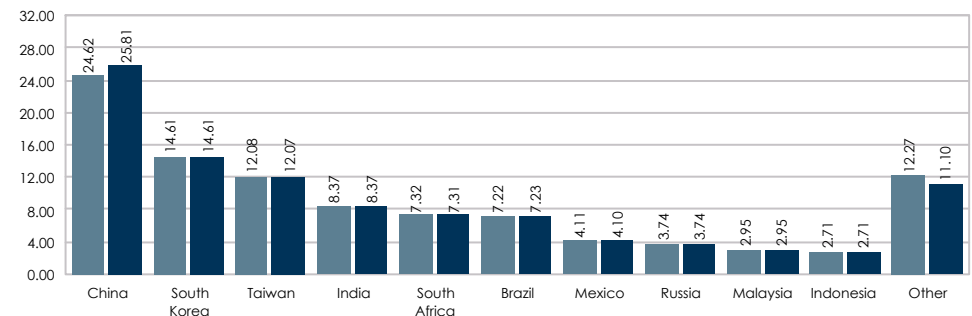
### Sector Allocation



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

|                        | 3 Months |
|------------------------|----------|
| Beginning Market Value | 0        |
| Net Additions          | 63,822   |
| Return on Investment   | -169     |
| Income                 | 0        |
| Gain/Loss              | -169     |
| Ending Market Value    | 63,652   |

### Country Allocation





## Private Equity

For the Period Ending June 30, 2016

### Summary of Cash Flows for 3 Months

| Cash Outflows | Cash Inflows | Net Cash Flows |
|---------------|--------------|----------------|
| -6,197,923    | 8,936,819    | 2,738,896      |

### Summary of Portfolio Inception to Date

|                                     | Inception Date | Committed          | Drawn to Date      | Remaining Commitment | Distributions to Date | Adjusted Ending Value | Total Value        | Total Value to Paid-in |
|-------------------------------------|----------------|--------------------|--------------------|----------------------|-----------------------|-----------------------|--------------------|------------------------|
| <b>Total</b>                        |                | <b>570,000,000</b> | <b>471,735,058</b> | <b>119,359,424</b>   | <b>508,158,654</b>    | <b>187,626,944</b>    | <b>695,785,598</b> | <b>1.47x</b>           |
| <b>Buyout</b>                       |                | <b>192,500,000</b> | <b>163,687,428</b> | <b>43,350,083</b>    | <b>196,478,767</b>    | <b>59,638,196</b>     | <b>256,116,963</b> | <b>1.56x</b>           |
| Marathon IV                         | Apr-99         | 7,000,000          | 7,462,426          | -                    | 10,188,872            | -                     | 10,188,872         | 1.37x                  |
| Hicks, Muse                         | Oct-01         | 15,000,000         | 16,211,210         | -                    | 28,272,306            | -                     | 28,272,306         | 1.74x                  |
| Calera Capital (Fremont III)        | Jan-02         | 10,000,000         | 10,998,419         | 271,104              | 9,665,376             | <b>2,045,474</b>      | 11,710,850         | 1.06x                  |
| Arsenal Capital Partners            | Jan-03         | 15,000,000         | 16,154,576         | 1,647,057            | 28,565,938            | <b>152,877</b>        | 28,718,815         | 1.78x                  |
| Levine Leichtman                    | Jan-03         | 10,000,000         | 10,612,096         | 439,719              | 12,838,299            | <b>4,016,381</b>      | 16,854,680         | 1.59x                  |
| Marathon Fund Limited Partnership V | Dec-04         | 10,000,000         | 10,557,584         | 9,301                | 19,599,298            | <b>12,021</b>         | 19,611,319         | 1.86x                  |
| Arsenal Capital Partners II         | Sep-06         | 15,000,000         | 14,763,324         | 111,301              | 18,028,373            | <b>12,317,953</b>     | 30,346,326         | 2.06x                  |
| Thompson Street C.P. II             | Dec-06         | 10,000,000         | 10,553,493         | 995,842              | 18,393,572            | <b>3,494,640</b>      | 21,888,212         | 2.07x                  |
| Sun Capital Partners V              | Apr-07         | 12,500,000         | 12,432,503         | 2,338,192            | 6,395,471             | <b>11,375,611</b>     | 17,771,082         | 1.43x                  |
| HM Capital Sector Performance Fund  | May-07         | 15,000,000         | 15,604,226         | 647,720              | 14,690,140            | -                     | 14,690,140         | 0.94x                  |
| Calera Capital Fund IV              | Jan-08         | 10,000,000         | 8,726,447          | 1,273,553            | 12,075,025            | <b>1,428,073</b>      | 13,503,098         | 1.55x                  |
| Levine Leichtman IV                 | Aug-08         | 10,000,000         | 8,617,456          | 1,685,511            | 11,108,603            | <b>4,820,030</b>      | 15,928,633         | 1.85x                  |
| Thompson Street Capital III         | Aug-11         | 7,500,000          | 6,451,681          | 1,048,319            | 5,724,967             | <b>4,306,610</b>      | 10,031,577         | 1.55x                  |
| Arsenal Capital Partners III        | Apr-12         | 7,500,000          | 7,661,765          | 1,604,657            | 774,393               | <b>8,975,996</b>      | 9,750,389          | 1.27x                  |
| Apollo Investment Fund VIII         | Oct-13         | 7,500,000          | 3,363,092          | 4,294,937            | 158,134               | <b>3,268,895</b>      | 3,427,029          | 1.02x                  |
| Francisco Partners Fund IV          | Nov-14         | 8,000,000          | 2,720,000          | 5,280,000            | -                     | <b>2,741,853</b>      | 2,741,853          | 1.01x                  |
| CenterOak Equity Fund I             | Aug-15         | 7,500,000          | 21,769             | 7,478,231            | -                     | -                     | -                  | 0.00x                  |
| Thompson Street Capital Partners IV | Jan-16         | 7,500,000          | 775,361            | 6,724,639            | -                     | <b>681,782</b>        | 681,782            | 0.88x                  |
| Leonard Green Equity Investors VII  | Feb-16         | 7,500,000          | -                  | 7,500,000            | -                     | -                     | -                  | -                      |

## Private Equity

For the Period Ending June 30, 2016

## Summary of Portfolio Inception to Date

|                                    | Inception Date | Committed          | Drawn to Date      | Remaining Commitment | Distributions to Date | Adjusted Ending Value | Total Value        | Total Value to Paid-in |
|------------------------------------|----------------|--------------------|--------------------|----------------------|-----------------------|-----------------------|--------------------|------------------------|
| <b>Distressed</b>                  |                | <b>133,500,000</b> | <b>114,019,534</b> | <b>19,930,870</b>    | <b>145,126,869</b>    | <b>23,228,304</b>     | <b>168,355,173</b> | <b>1.48x</b>           |
| Oaktree Opportunities Fund II      | Feb-98         | 3,000,000          | 3,000,000          | -                    | 4,525,923             | -                     | 4,525,923          | 1.51x                  |
| Oaktree Opportunities Fund III     | Sep-99         | 5,000,000          | 5,000,000          | -                    | 7,462,838             | 73,630                | 7,536,468          | 1.51x                  |
| Oaktree Opportunities Fund IV      | Dec-01         | 10,000,000         | 10,000,000         | -                    | 16,774,041            | 32,802                | 16,806,843         | 1.68x                  |
| Siguler Guff Dist Opp I            | Jan-03         | 20,000,000         | 19,568,416         | 741,414              | 30,540,631            | 705,441               | 31,246,072         | 1.60x                  |
| Oaktree Opportunities Fund V       | Jun-04         | 4,000,000          | 4,000,000          | -                    | 6,440,248             | 128,945               | 6,569,193          | 1.64x                  |
| Oaktree Opportunities Fund VI      | Aug-05         | 4,000,000          | 4,000,000          | -                    | 6,103,977             | 229,533               | 6,333,510          | 1.58x                  |
| Siguler Guff Dist Opp II           | Sep-05         | 20,000,000         | 20,006,044         | -                    | 26,437,789            | 2,216,775             | 28,654,564         | 1.43x                  |
| Oaktree Opportunities VII A        | Mar-07         | 7,500,000          | 7,554,219          | -                    | 9,478,614             | 839,022               | 10,317,636         | 1.37x                  |
| Oaktree Opportunities VII B        | May-08         | 7,500,000          | 6,750,000          | 750,000              | 10,839,005            | 677,737               | 11,516,742         | 1.71x                  |
| Siguler Guff Dist Opp III          | Aug-08         | 15,000,000         | 14,480,311         | 600,000              | 16,869,738            | 5,699,356             | 22,569,094         | 1.56x                  |
| Oaktree Opportunities VIII         | Nov-09         | 7,500,000          | 6,750,000          | 750,000              | 6,516,967             | 2,814,736             | 9,331,703          | 1.38x                  |
| Oaktree Opportunities IX           | Jun-12         | 7,500,000          | 7,500,000          | -                    | -                     | 7,173,653             | 7,173,653          | 0.96x                  |
| Oaktree European Dislocation Fund  | Oct-13         | 7,500,000          | 4,285,544          | 3,214,456            | 3,137,098             | 1,444,311             | 4,581,409          | 1.07x                  |
| Oaktree Opportunities Fund X       | Mar-15         | 7,500,000          | 1,125,000          | 6,375,000            | -                     | 1,192,363             | 1,192,363          | 1.06x                  |
| Oaktree Opportunities Fund Xb      | Jun-15         | 7,500,000          | -                  | 7,500,000            | -                     | -                     | -                  | -                      |
| <b>Emerging Markets Focused</b>    |                | <b>7,500,000</b>   | <b>4,235,079</b>   | <b>3,702,090</b>     | <b>514,616</b>        | <b>4,295,263</b>      | <b>4,809,879</b>   | <b>1.14x</b>           |
| Actis EM IV                        | Jan-12         | 7,500,000          | 4,235,079          | 3,702,090            | 514,616               | 4,295,263             | 4,809,879          | 1.14x                  |
| <b>Mezzanine</b>                   |                | <b>49,500,000</b>  | <b>49,266,329</b>  | <b>5,882,539</b>     | <b>63,802,437</b>     | <b>6,330,356</b>      | <b>70,132,793</b>  | <b>1.42x</b>           |
| TCW Crescent II                    | Mar-99         | 7,000,000          | 6,726,192          | -                    | 9,793,612             | -                     | 9,793,612          | 1.46x                  |
| TCW Crescent Mezzanine Partner III | Jul-01         | 10,000,000         | 10,188,852         | 200,324              | 20,545,737            | 322,502               | 20,868,239         | 2.05x                  |
| TCW Crescent IV                    | Jun-06         | 10,000,000         | 9,873,180          | 1,921,076            | 10,765,452            | 385,862               | 11,151,314         | 1.13x                  |
| Newstone Capital Partners          | Oct-06         | 5,000,000          | 5,697,863          | 116,709              | 6,519,702             | 398,324               | 6,918,026          | 1.21x                  |
| TCW Mezzanine Fund V               | Jan-08         | 10,000,000         | 7,336,349          | 2,663,651            | 8,502,921             | 1,856,457             | 10,359,378         | 1.41x                  |
| Newstone Capital Partners II       | Jan-10         | 7,500,000          | 9,443,893          | 980,779              | 7,675,013             | 3,367,211             | 11,042,224         | 1.17x                  |
| <b>Other</b>                       |                | <b>21,500,000</b>  | <b>9,478,210</b>   | <b>12,137,052</b>    | <b>1,138,157</b>      | <b>8,369,721</b>      | <b>9,507,878</b>   | <b>1.00x</b>           |
| EnCap Energy Fund IX               | Jan-13         | 6,500,000          | 5,085,952          | 1,414,048            | 915,416               | 4,551,326             | 5,466,742          | 1.07x                  |
| EnCap Energy Fund X                | Mar-15         | 7,500,000          | 1,713,218          | 5,902,044            | 115,262               | 1,438,331             | 1,553,593          | 0.91x                  |
| ArcLight Energy Partners VI        | Mar-15         | 7,500,000          | 2,679,040          | 4,820,960            | 107,479               | 2,380,064             | 2,487,543          | 0.93x                  |
| <b>Secondary Fund of Funds</b>     |                | <b>20,000,000</b>  | <b>21,439,062</b>  | <b>-67,919</b>       | <b>22,788,409</b>     | <b>5,854,727</b>      | <b>28,643,136</b>  | <b>1.34x</b>           |
| Lexington VI                       | Dec-05         | 20,000,000         | 21,439,062         | -67,919              | 22,788,409            | 5,854,727             | 28,643,136         | 1.34x                  |

## Private Equity

For the Period Ending June 30, 2016

## Summary of Portfolio Inception to Date

|                                          | Inception Date | Committed          | Drawn to Date      | Remaining Commitment | Distributions to Date | Adjusted Ending Value | Total Value        | Total Value to Paid-in |
|------------------------------------------|----------------|--------------------|--------------------|----------------------|-----------------------|-----------------------|--------------------|------------------------|
| <b>Venture Capital</b>                   |                | <b>145,500,000</b> | <b>109,609,416</b> | <b>34,424,709</b>    | <b>78,309,399</b>     | <b>79,910,377</b>     | <b>158,219,776</b> | <b>1.44x</b>           |
| Weiss, Peck & Greer V, LLC               | Jul-99         | 7,000,000          | 6,932,406          | 67,594               | 4,507,097             | -                     | 4,507,097          | 0.65x                  |
| Firstmark Venture Partners II (Pequot)   | Feb-00         | 1,000,000          | 955,000            | 45,000               | 276,774               | 46,135                | 322,909            | 0.34x                  |
| Lightspeed Venture Partners VI (WPG)     | Oct-00         | 12,000,000         | 11,010,270         | 989,730              | 9,783,606             | 851,158               | 10,634,764         | 0.97x                  |
| Midtown Fund III (Firstmark III, Pequot) | Oct-00         | 15,000,000         | 14,738,625         | 295,500              | 11,782,441            | 358,214               | 12,140,655         | 0.82x                  |
| Venture Lending & Leasing Fund           | May-01         | 6,000,000          | 4,500,000          | -                    | 5,357,340             | 253,305               | 5,610,645          | 1.25x                  |
| Accel Europe                             | Jun-01         | 10,000,000         | 10,000,000         | -                    | 7,850,593             | 4,997,858             | 12,848,451         | 1.28x                  |
| Knightsbridge Fund VI                    | Dec-04         | 12,000,000         | 11,232,000         | 768,000              | 6,012,368             | 8,927,965             | 14,940,333         | 1.33x                  |
| Firstmark I (Pequot, Firstmark IV)       | Nov-05         | 5,000,000          | 4,950,000          | 50,000               | 11,437,110            | 21,226,028            | 32,663,138         | 6.60x                  |
| Weathergag Venture Capital               | Mar-07         | 7,500,000          | 6,862,500          | 637,500              | 5,229,343             | 7,410,230             | 12,639,573         | 1.84x                  |
| Warburg Pincus                           | Sep-07         | 15,000,000         | 15,000,000         | -                    | 13,519,864            | 7,351,665             | 20,871,529         | 1.39x                  |
| Weathergag Venture Cap II                | Mar-11         | 7,500,000          | 6,825,000          | 675,000              | 1,174,207             | 9,753,750             | 10,927,957         | 1.60x                  |
| Firstmark II (Firstmark V)               | Jul-11         | 5,000,000          | 4,522,365          | 477,635              | 150,700               | 6,231,089             | 6,381,789          | 1.41x                  |
| Warburg Pincus XI                        | Oct-12         | 7,500,000          | 6,581,250          | 918,750              | 786,458               | 7,224,630             | 8,011,088          | 1.22x                  |
| Firstmark Capital Fund III               | Oct-13         | 5,000,000          | 2,275,000          | 2,725,000            | -                     | 2,319,883             | 2,319,883          | 1.02x                  |
| Firstmark Capital Opportunity Fund I     | May-14         | 5,000,000          | 2,525,000          | 2,475,000            | 441,498               | 2,315,808             | 2,757,306          | 1.09x                  |
| Warburg Pincus XII                       | Dec-15         | 10,000,000         | 700,000            | 9,300,000            | -                     | 642,659               | 642,659            | 0.92x                  |
| FirstMark Capital Fund IV                | May-16         | 7,500,000          | -                  | 7,500,000            | -                     | -                     | -                  | -                      |
| FirstMark Capital Opportunity Fund II    | May-16         | 7,500,000          | -                  | 7,500,000            | -                     | -                     | -                  | -                      |

## Cash Flow Activity for 3 Months

| Fund Name                           | Date      | Transaction Type                     | Cash Outflows     | Cash Inflows     | Net Cash Flows   |
|-------------------------------------|-----------|--------------------------------------|-------------------|------------------|------------------|
| <b>Total</b>                        |           |                                      | <b>-6,197,923</b> | <b>8,936,819</b> | <b>2,738,896</b> |
| <b>Buyout</b>                       |           |                                      | <b>-2,779,936</b> | <b>3,185,815</b> | <b>405,879</b>   |
| Thompson Street C.P. II             | 4/01/2016 | Distribution                         | -                 | 1,646,694        |                  |
| Thompson Street C.P. II             | 4/01/2016 | Capital Call for Fees                | -10,029           | -                |                  |
| Thompson Street Capital III         | 4/01/2016 | Capital Call for Fees                | -18,748           | -                |                  |
| Thompson Street Capital Partners IV | 4/01/2016 | Capital Call for Fees                | -37,477           | -                |                  |
| Thompson Street Capital Partners IV | 4/01/2016 | Capital Call                         | -210,834          | -                |                  |
| Sun Capital Partners V              | 4/08/2016 | Capital Call                         | -72,039           | -                |                  |
| Sun Capital Partners V              | 4/08/2016 | Distribution                         | -                 | 159,628          |                  |
| Sun Capital Partners V              | 4/08/2016 | Distribution of Recallable Principal | -                 | 159              |                  |
| Arsenal Capital Partners II         | 4/11/2016 | Distribution                         | -                 | 183,789          |                  |
| Arsenal Capital Partners II         | 4/11/2016 | Capital Call for Fees                | -14,773           | -                |                  |

## Private Equity

For the Period Ending June 30, 2016

## Cash Flow Activity for 3 Months

| Fund Name                           | Date      | Transaction Type                     | Cash Outflows   | Cash Inflows     | Net Cash Flows   |
|-------------------------------------|-----------|--------------------------------------|-----------------|------------------|------------------|
| <b>Buyout continued</b>             |           |                                      |                 |                  |                  |
| Apollo Investment Fund VIII         | 4/25/2016 | Capital Call                         | -860,386        | -                |                  |
| Thompson Street C.P. II             | 4/26/2016 | Distribution                         | -               | 355,954          |                  |
| Thompson Street Capital Partners IV | 4/27/2016 | Capital Call                         | -480,600        | -                |                  |
| Levine Leichtman                    | 4/29/2016 | Distribution                         | -               | 21,644           |                  |
| Levine Leichtman IV                 | 4/29/2016 | Distribution                         | -               | 13,929           |                  |
| Arsenal Capital Partners III        | 5/10/2016 | Capital Call                         | -507,118        | -                |                  |
| Arsenal Capital Partners III        | 5/10/2016 | Capital Call for Fees                | -10,773         | -                |                  |
| Apollo Investment Fund VIII         | 5/13/2016 | Capital Call                         | -63,635         | -                |                  |
| Apollo Investment Fund VIII         | 5/13/2016 | Distribution of Recallable Principal | -               | 87,301           |                  |
| Francisco Partners Fund IV          | 5/18/2016 | Capital Call                         | -380,000        | -                |                  |
| Marathon Fund Limited Partnership V | 5/23/2016 | Distribution                         | -               | 77,876           |                  |
| Levine Leichtman                    | 5/30/2016 | Distribution                         | -               | 7,069            |                  |
| Levine Leichtman IV                 | 5/30/2016 | Distribution of Recallable Principal | -               | 488              |                  |
| Levine Leichtman IV                 | 5/30/2016 | Distribution                         | -               | 17,652           |                  |
| Thompson Street C.P. II             | 6/16/2016 | Capital Call for Fees                | -8,302          | -                |                  |
| Levine Leichtman                    | 6/21/2016 | Distribution                         | -               | 312,044          |                  |
| Sun Capital Partners V              | 6/27/2016 | Distribution                         | -               | 234,750          |                  |
| Sun Capital Partners V              | 6/27/2016 | Capital Call                         | -105,222        | -                |                  |
| Calera Capital (Fremont III)        | 6/29/2016 | Distribution                         | -               | 42,312           |                  |
| Levine Leichtman                    | 6/29/2016 | Distribution                         | -               | 8,612            |                  |
| Levine Leichtman IV                 | 6/29/2016 | Distribution                         | -               | 15,914           |                  |
| <b>Distressed</b>                   |           |                                      | <b>-228,750</b> | <b>1,857,830</b> | <b>1,629,080</b> |
| Siguler Guff Dist Opp II            | 4/27/2016 | Distribution                         | -               | 254,657          |                  |
| Oaktree Opportunities VIII          | 4/29/2016 | Distribution                         | -               | 353,384          |                  |
| Oaktree European Dislocation Fund   | 5/05/2016 | Capital Call                         | -228,750        | -                |                  |
| Oaktree Opportunities Fund VI       | 5/11/2016 | Distribution                         | -               | 36,089           |                  |
| Oaktree Opportunities VII A         | 5/12/2016 | Distribution                         | -               | 104,214          |                  |
| Siguler Guff Dist Opp I             | 5/12/2016 | Distribution                         | -               | 513,934          |                  |
| Siguler Guff Dist Opp III           | 5/16/2016 | Distribution                         | -               | 413,727          |                  |
| Siguler Guff Dist Opp III           | 6/27/2016 | Distribution                         | -               | 180,198          |                  |

## Private Equity

For the Period Ending June 30, 2016

## Cash Flow Activity for 3 Months

| Fund Name                          | Date      | Transaction Type                     | Cash Outflows     | Cash Inflows     | Net Cash Flows    |
|------------------------------------|-----------|--------------------------------------|-------------------|------------------|-------------------|
| <b>Distressed continued</b>        |           |                                      |                   |                  |                   |
| Siguler Guff Dist Opp II           | 6/28/2016 | Distribution                         | -                 | 667              |                   |
| Siguler Guff Dist Opp III          | 6/28/2016 | Distribution                         | -                 | 960              |                   |
| <b>Emerging Markets Focused</b>    |           |                                      | <b>-66,745</b>    | <b>98,482</b>    | <b>31,737</b>     |
| Actis EM IV                        | 6/15/2016 | Distribution of Recallable Principal | -                 | 98,482           |                   |
| Actis EM IV                        | 6/15/2016 | Capital Call                         | -66,745           | -                |                   |
| <b>Mezzanine</b>                   |           |                                      | <b>-143,906</b>   | <b>708,685</b>   | <b>564,779</b>    |
| TCW Mezzanine Fund V               | 4/28/2016 | Distribution                         | -                 | 99,242           |                   |
| Newstone Capital Partners II       | 5/06/2016 | Distribution                         | -                 | 62,148           |                   |
| Newstone Capital Partners II       | 5/25/2016 | Distribution                         | -                 | 80,395           |                   |
| Newstone Capital Partners II       | 5/25/2016 | Capital Call                         | -143,906          | -                |                   |
| TCW Mezzanine Fund V               | 5/30/2016 | Distribution                         | -                 | 432,550          |                   |
| Newstone Capital Partners          | 6/08/2016 | Distribution                         | -                 | 34,350           |                   |
| <b>Other</b>                       |           |                                      | <b>-1,667,336</b> | <b>372,750</b>   | <b>-1,294,586</b> |
| EnCap Energy Fund X                | 4/01/2016 | Capital Call                         | -37,382           | -                |                   |
| EnCap Energy Fund IX               | 4/08/2016 | Capital Call                         | -135,179          | -                |                   |
| EnCap Energy Fund IX               | 4/26/2016 | Distribution                         | -                 | 173,979          |                   |
| EnCap Energy Fund X                | 5/10/2016 | Capital Call                         | -32,234           | -                |                   |
| EnCap Energy Fund IX               | 5/17/2016 | Capital Call                         | -486,620          | -                |                   |
| EnCap Energy Fund X                | 5/23/2016 | Capital Call                         | -106,775          | -                |                   |
| EnCap Energy Fund X                | 6/03/2016 | Capital Call                         | -250,260          | -                |                   |
| EnCap Energy Fund IX               | 6/21/2016 | Distribution                         | -                 | 91,292           |                   |
| EnCap Energy Fund IX               | 6/22/2016 | Capital Call                         | -250,435          | -                |                   |
| EnCap Energy Fund X                | 6/23/2016 | Capital Call                         | -368,451          | -                |                   |
| ArcLight Energy Partners VI        | 6/29/2016 | Distribution                         | -                 | 107,479          |                   |
| <b>Secondary Fund of Funds</b>     |           |                                      | <b>-</b>          | <b>378,563</b>   | <b>378,563</b>    |
| Lexington VI                       | 4/29/2016 | Distribution                         | -                 | 119,241          |                   |
| Lexington VI                       | 5/27/2016 | Distribution                         | -                 | 88,567           |                   |
| Lexington VI                       | 6/29/2016 | Distribution                         | -                 | 170,755          |                   |
| <b>Venture Capital</b>             |           |                                      | <b>-1,311,250</b> | <b>2,334,694</b> | <b>1,023,444</b>  |
| Firstmark I (Pequot, Firstmark IV) | 4/05/2016 | Distribution                         | -                 | 380,241          |                   |
| Warburg Pincus XII                 | 4/05/2016 | Capital Call                         | -75,000           | -                |                   |

## Private Equity

For the Period Ending June 30, 2016

## Cash Flow Activity for 3 Months

| Fund Name                            | Date      | Transaction Type | Cash Outflows | Cash Inflows | Net Cash Flows |
|--------------------------------------|-----------|------------------|---------------|--------------|----------------|
| <b>Venture Capital continued</b>     |           |                  |               |              |                |
| Warburg Pincus XI                    | 4/07/2016 | Capital Call     | -45,000       | -            |                |
| Warburg Pincus                       | 4/11/2016 | Distribution     | -             | 128,745      |                |
| Firstmark I (Pequot, Firstmark IV)   | 4/20/2016 | Distribution     | -             | 516,582      |                |
| Weathergage Venture Capital          | 4/21/2016 | Distribution     | -             | 285,000      |                |
| Firstmark I (Pequot, Firstmark IV)   | 4/27/2016 | Distribution     | -             | 198,745      |                |
| Warburg Pincus XI                    | 4/29/2016 | Capital Call     | -26,250       | -            |                |
| Warburg Pincus XI                    | 6/09/2016 | Capital Call     | -60,000       | -            |                |
| Warburg Pincus                       | 6/13/2016 | Distribution     | -             | 254,460      |                |
| Weathergage Venture Cap II           | 6/16/2016 | Distribution     | -             | 133,281      |                |
| Warburg Pincus XII                   | 6/20/2016 | Capital Call     | -255,000      | -            |                |
| Warburg Pincus                       | 6/23/2016 | Distribution     | -             | 77,640       |                |
| Firstmark Capital Fund III           | 6/29/2016 | Capital Call     | -300,000      | -            |                |
| Firstmark Capital Opportunity Fund I | 6/29/2016 | Capital Call     | -350,000      | -            |                |
| Firstmark II (Firstmark V)           | 6/29/2016 | Capital Call     | -200,000      | -            |                |
| Knightsbridge Fund VI                | 6/29/2016 | Distribution     | -             | 360,000      |                |

## **Fixed Income Manager Performance**

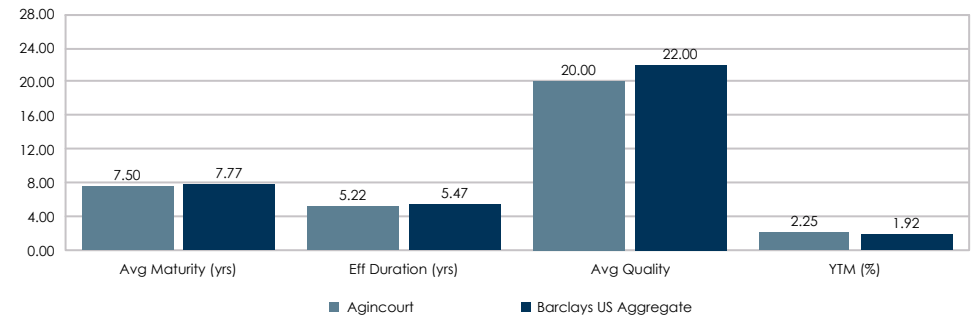
## Agincourt Core Fixed Income

For the Periods Ending June 30, 2016

### Account Description

- **Strategy** Core Bonds
- **Vehicle** Separately Managed Account
- **Benchmark** Barclays US Aggregate
- **Performance Inception Date** October 1999
- **Fees** 25 bps on the first \$25 million, 20 bps on the next \$75 million, 15 bps on the next \$50 million, and 10 bps on the next \$50 million

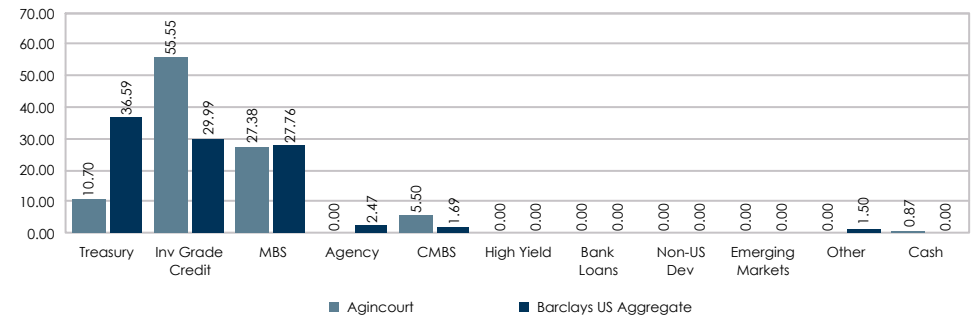
### Characteristics



### Performance Goals

- Outperform the Barclays US Aggregate.
- Over rolling three year periods, rank above median in the eA US Core Fixed Income universe.

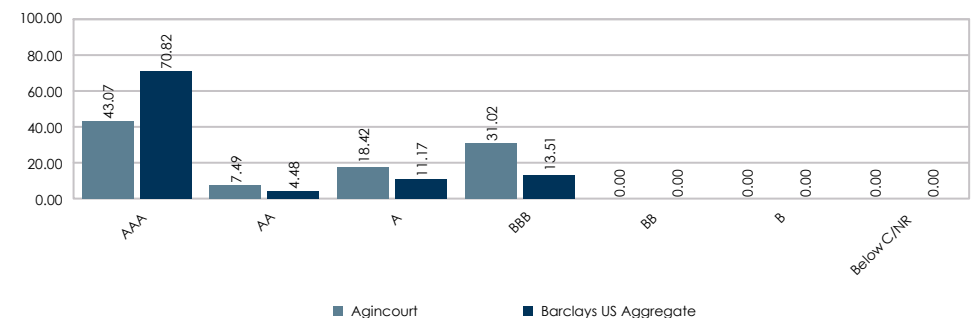
### Sector Allocation



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

|                               | 3 Months       | 1 Year         |
|-------------------------------|----------------|----------------|
| <b>Beginning Market Value</b> | <b>135,745</b> | <b>150,736</b> |
| Net Additions                 | 29,944         | 9,807          |
| Return on Investment          | 3,893          | 9,039          |
| Income                        | 1,402          | 6,189          |
| Gain/Loss                     | 2,490          | 2,850          |
| <b>Ending Market Value</b>    | <b>169,582</b> | <b>169,582</b> |

### Quality Allocation



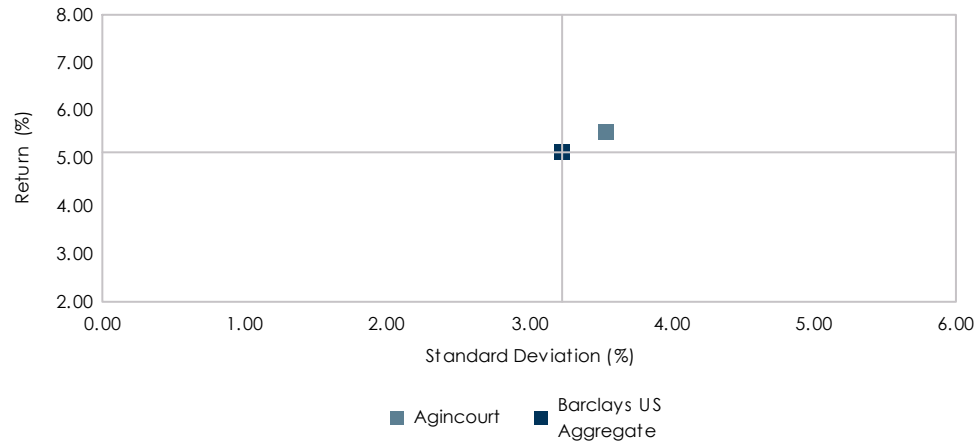
The Other sector consists of ABS, CMO, Convertibles, Municipals, Private Placements/144As and TIPS.



## Agincourt Core Fixed Income

For the Periods Ending June 30, 2016

### 10 Year Risk / Return



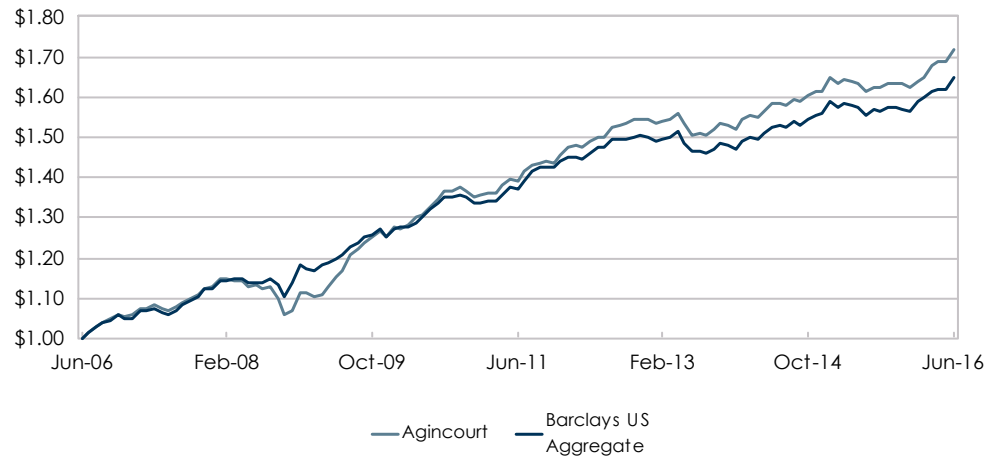
### 10 Year Portfolio Statistics

|                        | Agincourt | Barclays US Aggregate |
|------------------------|-----------|-----------------------|
| Return (%)             | 5.55      | 5.13                  |
| Standard Deviation (%) | 3.54      | 3.23                  |
| Sharpe Ratio           | 1.32      | 1.32                  |

### Benchmark Relative Statistics

|                     |        |
|---------------------|--------|
| Beta                | 0.99   |
| R Squared (%)       | 80.97  |
| Alpha (%)           | 0.48   |
| Tracking Error (%)  | 1.55   |
| Batting Average (%) | 60.83  |
| Up Capture (%)      | 105.96 |
| Down Capture (%)    | 100.53 |

### 10 Year Growth of a Dollar

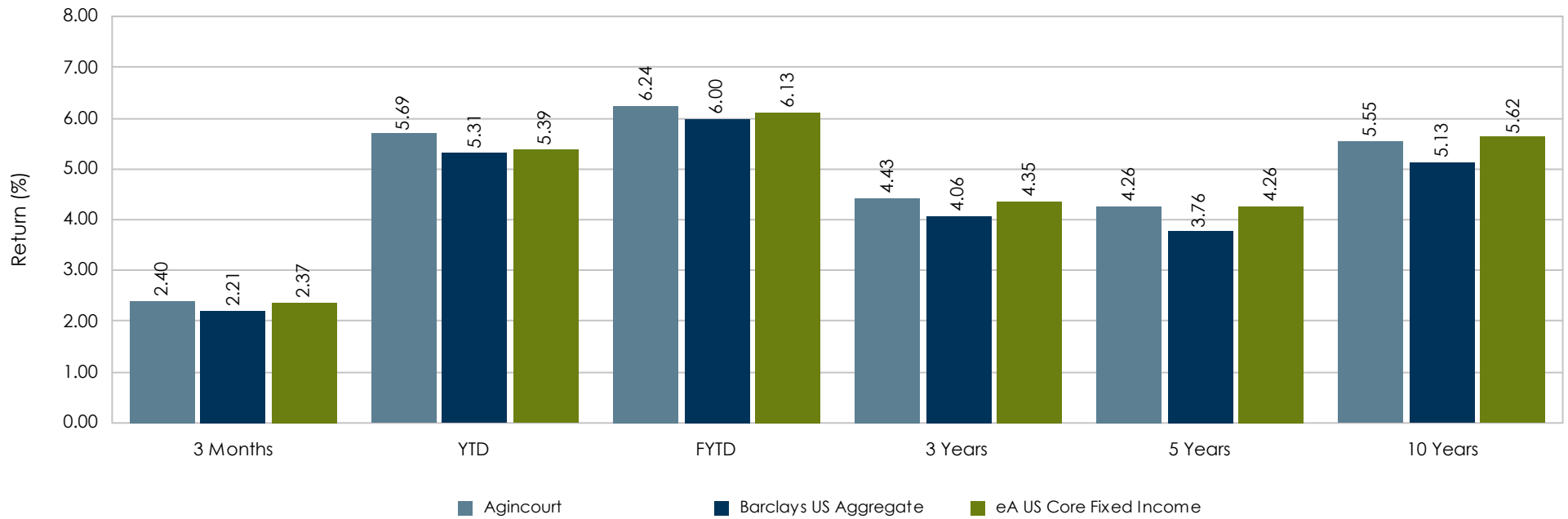


### 10 Year Return Analysis

|                            | Agincourt | Barclays US Aggregate |
|----------------------------|-----------|-----------------------|
| Number of Months           | 120       | 120                   |
| Highest Monthly Return (%) | 3.80      | 3.73                  |
| Lowest Monthly Return (%)  | -3.54     | -2.36                 |
| Number of Positive Months  | 84        | 83                    |
| Number of Negative Months  | 36        | 37                    |
| % of Positive Months       | 70.00     | 69.17                 |

## Agincourt Core Fixed Income

For the Periods Ending June 30, 2016

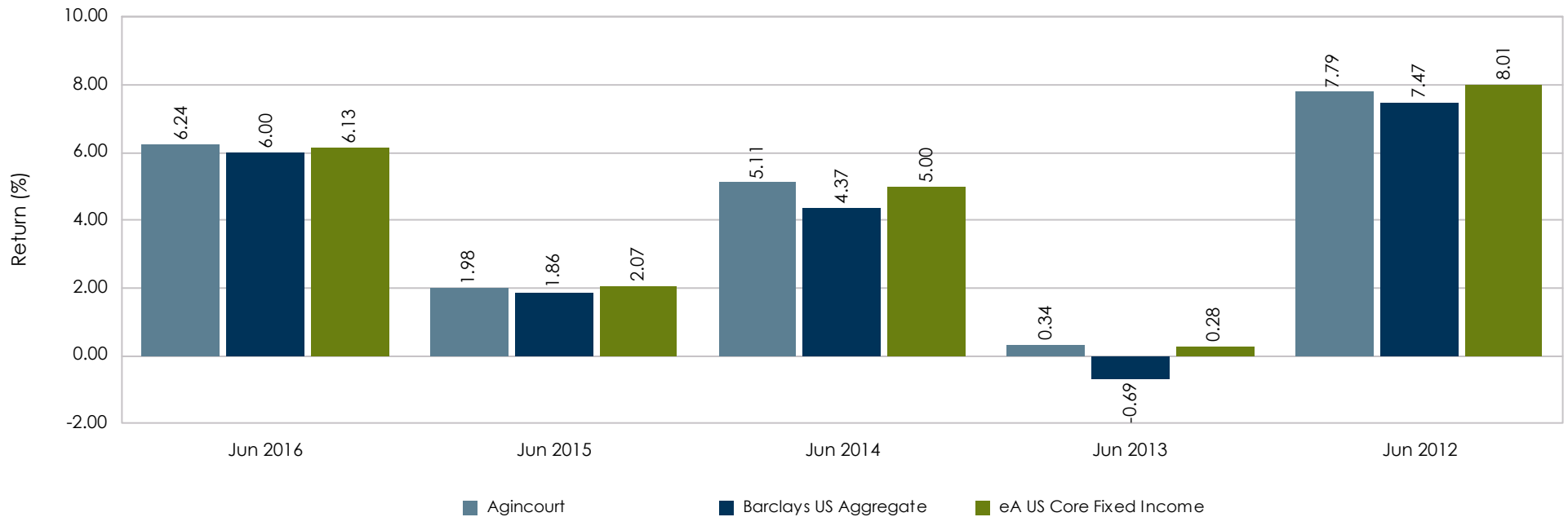


|                 |      |      |      |      |      |      |
|-----------------|------|------|------|------|------|------|
| Ranking         | 45   | 32   | 41   | 47   | 52   | 59   |
| 5th Percentile  | 3.14 | 6.47 | 7.29 | 5.47 | 5.41 | 6.59 |
| 25th Percentile | 2.61 | 5.83 | 6.58 | 4.68 | 4.62 | 5.97 |
| 50th Percentile | 2.37 | 5.39 | 6.13 | 4.35 | 4.26 | 5.62 |
| 75th Percentile | 2.13 | 5.04 | 5.68 | 4.13 | 4.00 | 5.35 |
| 95th Percentile | 1.54 | 4.02 | 4.38 | 3.62 | 3.48 | 4.68 |
| Observations    | 231  | 231  | 231  | 226  | 224  | 197  |

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.

## Agincourt Core Fixed Income

For the One Year Periods Ending June



|                 |      |      |      |       |      |
|-----------------|------|------|------|-------|------|
| Ranking         | 41   | 59   | 45   | 48    | 60   |
| 5th Percentile  | 7.29 | 2.96 | 6.96 | 2.85  | 9.81 |
| 25th Percentile | 6.58 | 2.40 | 5.58 | 1.07  | 8.58 |
| 50th Percentile | 6.13 | 2.07 | 5.00 | 0.28  | 8.01 |
| 75th Percentile | 5.68 | 1.75 | 4.36 | -0.27 | 7.42 |
| 95th Percentile | 4.38 | 1.25 | 3.30 | -1.09 | 6.26 |
| Observations    | 231  | 256  | 270  | 290   | 296  |

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.

## Oaktree Capital Management

For the Periods Ending June 30, 2016

### Account Description

- **Strategy** Multi-Sector Fixed Income
- **Vehicle** Non-Mutual Commingled
- **Benchmark** Barclays US Aggregate
- **Performance Inception Date** February 1998
- **Fees** 50 bps

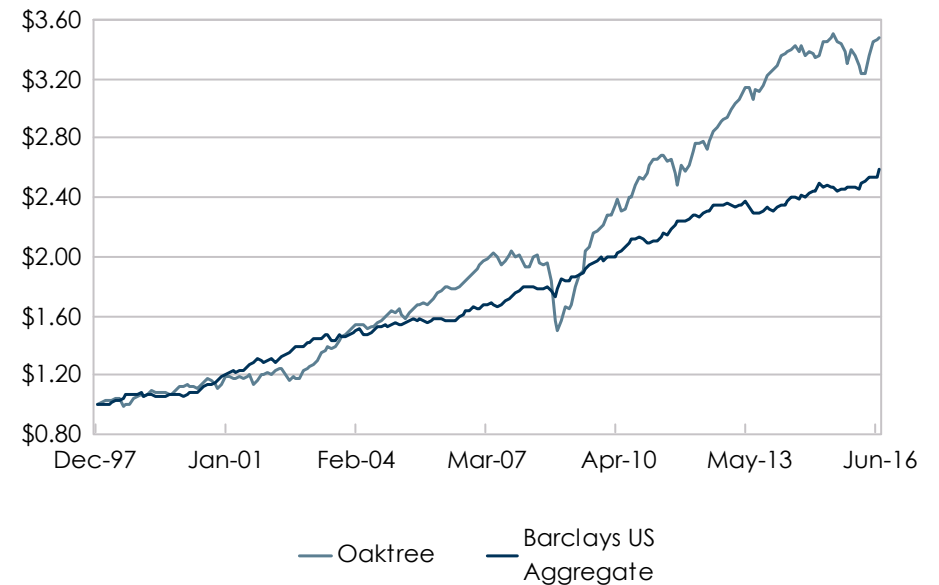
### Performance Goals

- Outperform the Barclays US Aggregate.
- Each underlying strategy should outperform its relevant benchmark.

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

|                               | 3 Months       | 1 Year         |
|-------------------------------|----------------|----------------|
| <b>Beginning Market Value</b> | <b>134,746</b> | <b>138,877</b> |
| Net Additions                 | -30,166        | -30,765        |
| Return on Investment          | 3,766          | 234            |
| Income                        | 1,379          | 7,689          |
| Gain/Loss                     | 2,387          | -7,454         |
| <b>Ending Market Value</b>    | <b>108,346</b> | <b>108,346</b> |

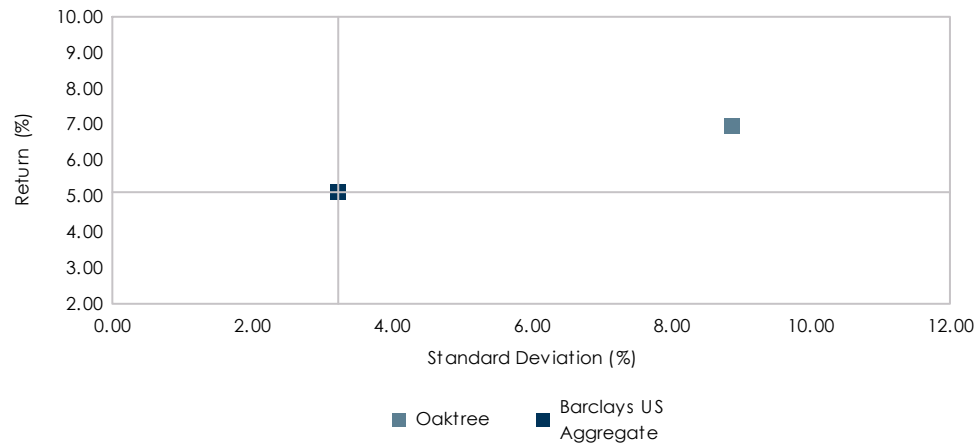
### Growth of a Dollar



## Oaktree Capital Management

For the Periods Ending June 30, 2016

### 10 Year Risk / Return



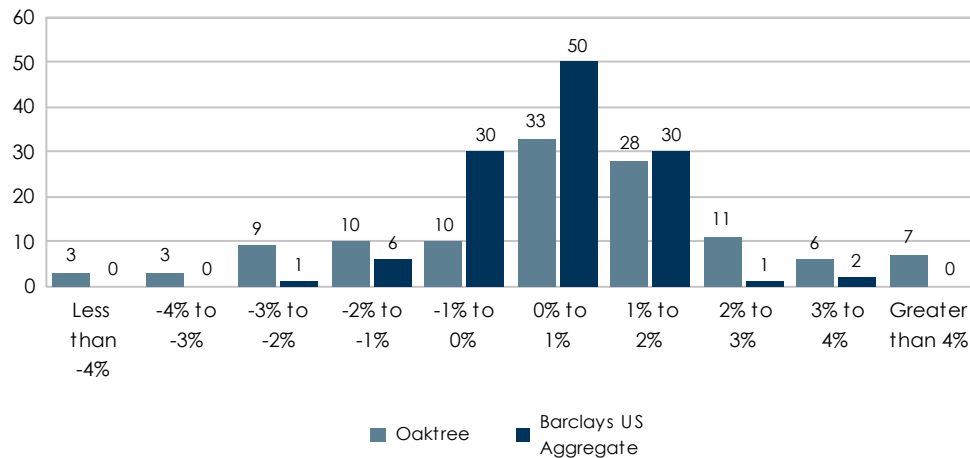
### 10 Year Portfolio Statistics

|                        | Oaktree | Barclays US Aggregate |
|------------------------|---------|-----------------------|
| Return (%)             | 6.92    | 5.13                  |
| Standard Deviation (%) | 8.88    | 3.23                  |
| Sharpe Ratio           | 0.68    | 1.32                  |

### Benchmark Relative Statistics

|                     |        |
|---------------------|--------|
| Beta                | 0.68   |
| R Squared (%)       | 6.13   |
| Alpha (%)           | 3.72   |
| Tracking Error (%)  | 8.67   |
| Batting Average (%) | 55.83  |
| Up Capture (%)      | 115.29 |
| Down Capture (%)    | 71.81  |

### 10 Year Return Histogram

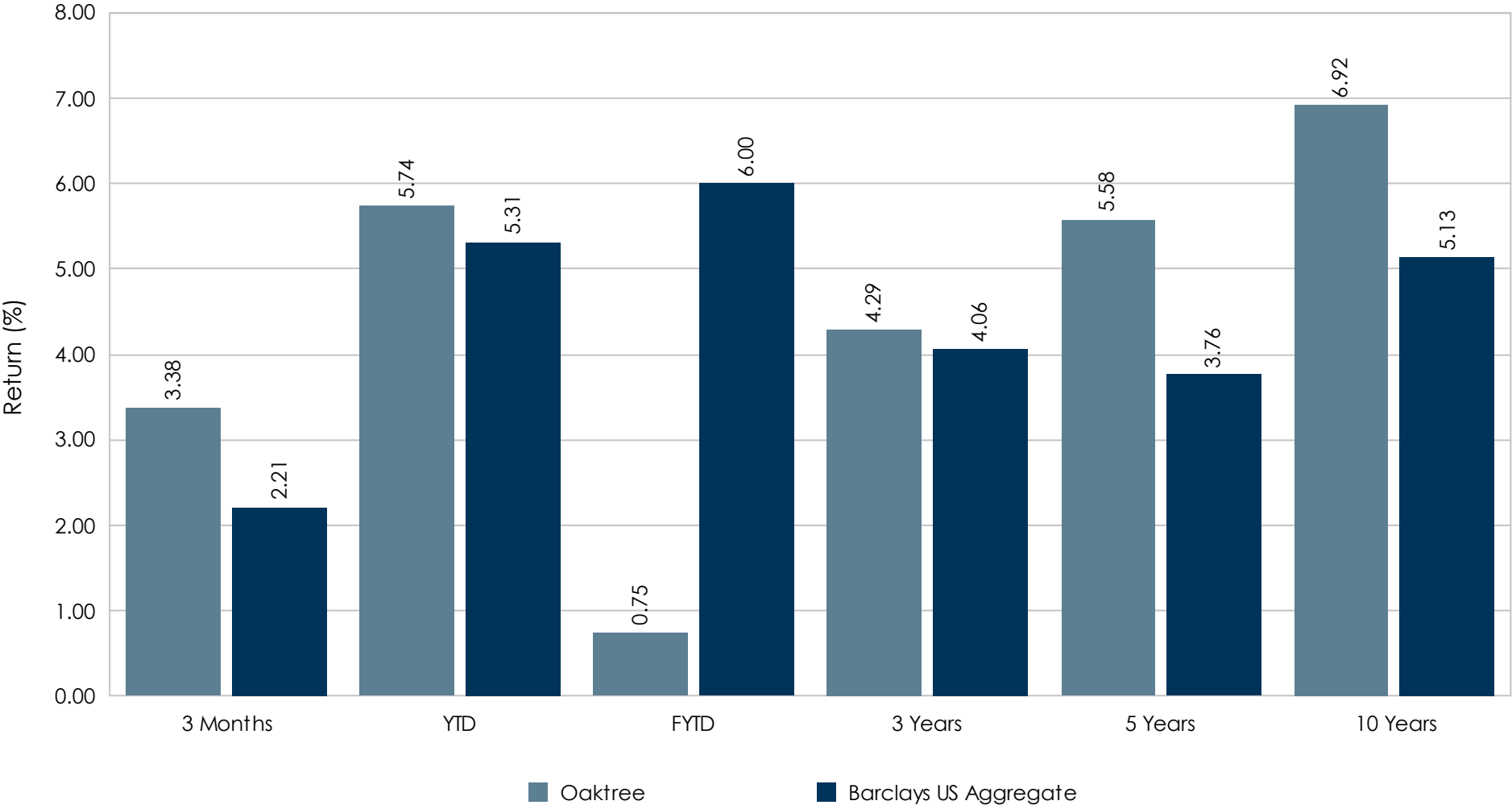


### 10 Year Return Analysis

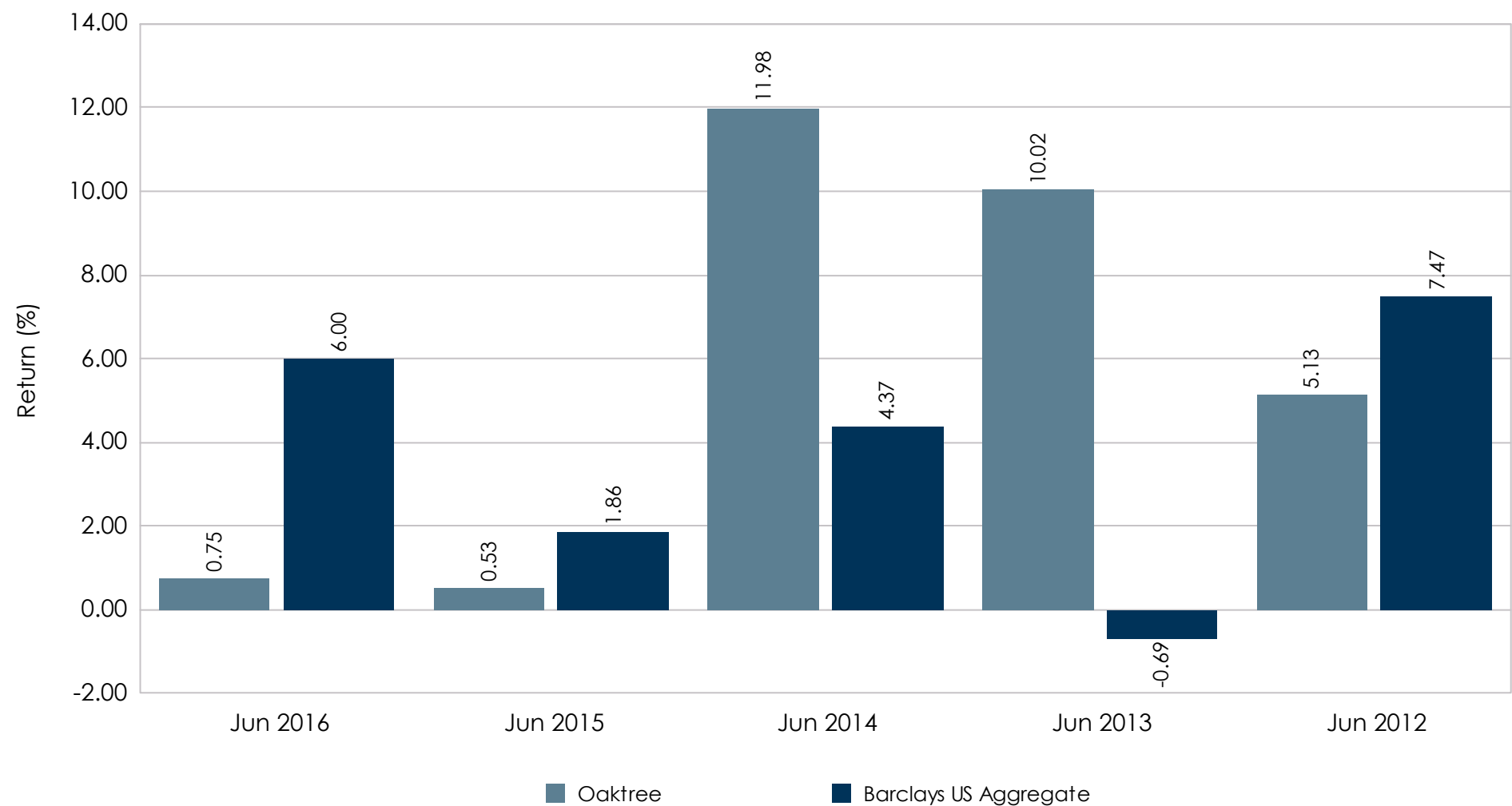
|                            | Oaktree | Barclays US Aggregate |
|----------------------------|---------|-----------------------|
| Number of Months           | 120     | 120                   |
| Highest Monthly Return (%) | 7.58    | 3.73                  |
| Lowest Monthly Return (%)  | -14.86  | -2.36                 |
| Number of Positive Months  | 85      | 83                    |
| Number of Negative Months  | 35      | 37                    |
| % of Positive Months       | 70.83   | 69.17                 |

Oaktree Capital Management

For the Periods Ending June 30, 2016



**Oaktree Capital Management**  
*For the One Year Periods Ending June*



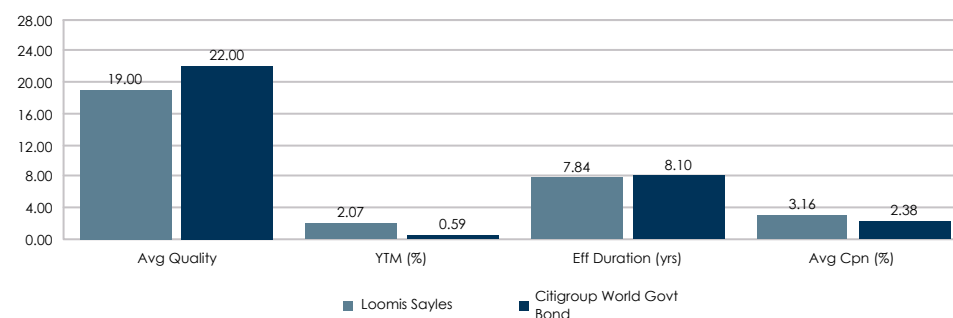
## Loomis Sayles

For the Periods Ending June 30, 2016

### Account Description

- **Strategy** Multi-Sector Fixed Income
- **Vehicle** Non-Mutual Commingled
- **Benchmark** Citigroup World Govt Bond
- **Performance Inception Date** June 2008
- **Fees** 35 bps

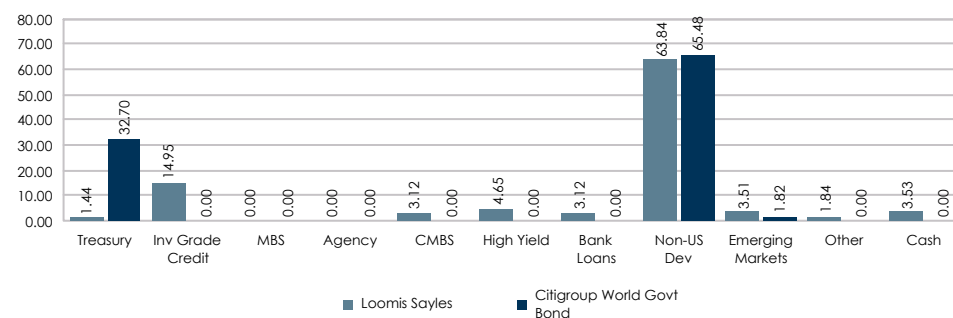
### Characteristics



### Performance Goals

- Outperform the Citigroup World Govt Bond.
- Rank above the median in a universe of eA All Global Fixed Income universe over a full market cycle.

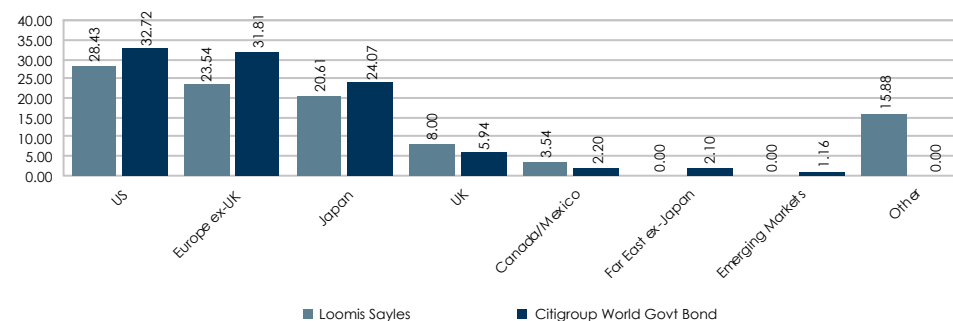
### Sector Allocation



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

|                               | 3 Months      | 1 Year        |
|-------------------------------|---------------|---------------|
| <b>Beginning Market Value</b> | <b>92,230</b> | <b>87,357</b> |
| Net Additions                 | -74           | -295          |
| Return on Investment          | 3,733         | 8,827         |
| <b>Ending Market Value</b>    | <b>95,889</b> | <b>95,889</b> |

### Regional Allocation



Characteristic and allocation charts represents data of the Loomis World Bond NH Trust (Non-Mutual Commingled).

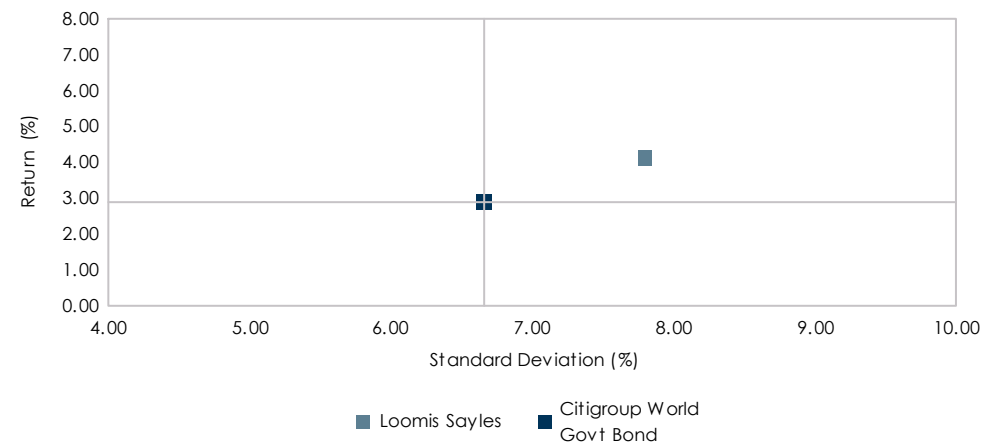
The Other sector consists of ABS, CMO, Convertibles, Municipals, Private Placements/144As and TIPS.



Loomis Sayles

For the Periods Ending June 30, 2016

8 Year Risk / Return



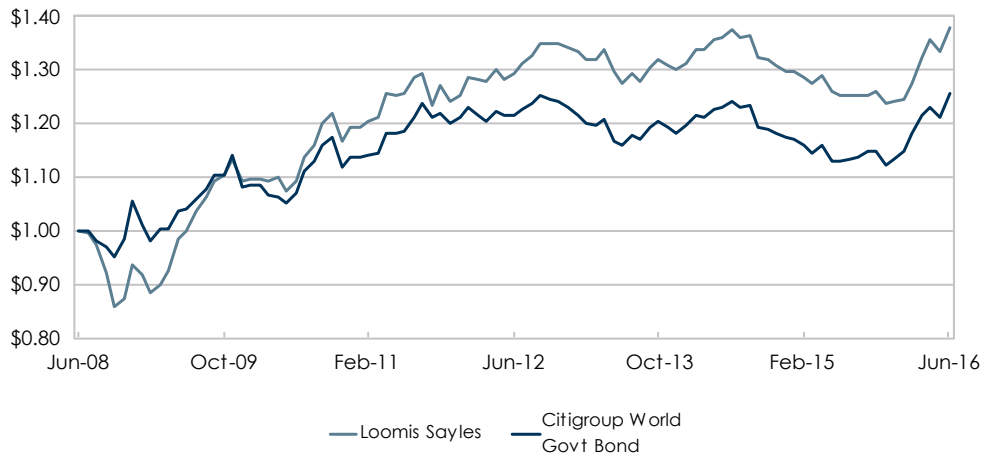
8 Year Portfolio Statistics

|                        | Loomis Sayles | Citigroup World Govt Bond |
|------------------------|---------------|---------------------------|
| Return (%)             | 4.10          | 2.89                      |
| Standard Deviation (%) | 7.80          | 6.66                      |
| Sharpe Ratio           | 0.51          | 0.42                      |

Benchmark Relative Statistics

|                     |        |
|---------------------|--------|
| Beta                | 1.03   |
| R Squared (%)       | 76.93  |
| Alpha (%)           | 1.18   |
| Tracking Error (%)  | 3.75   |
| Batting Average (%) | 63.54  |
| Up Capture (%)      | 119.40 |
| Down Capture (%)    | 107.50 |

8 Year Growth of a Dollar

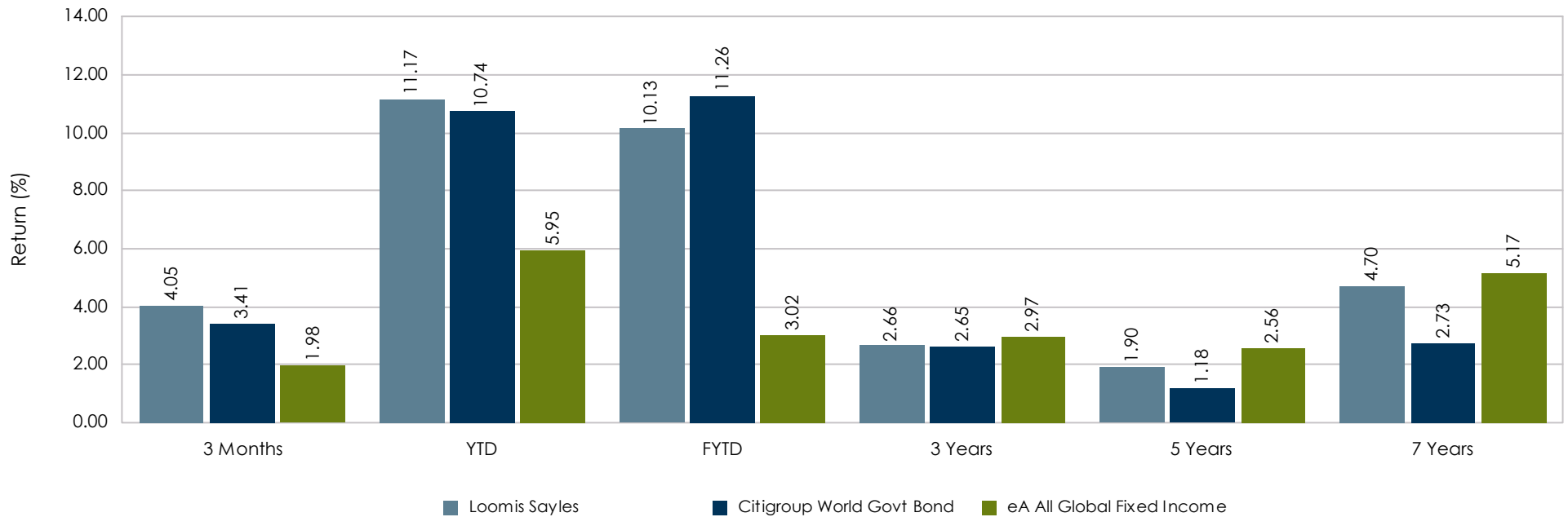


8 Year Return Analysis

|                            | Loomis Sayles | Citigroup World Govt Bond |
|----------------------------|---------------|---------------------------|
| Number of Months           | 96            | 96                        |
| Highest Monthly Return (%) | 7.16          | 7.11                      |
| Lowest Monthly Return (%)  | -6.59         | -5.03                     |
| Number of Positive Months  | 59            | 54                        |
| Number of Negative Months  | 37            | 42                        |
| % of Positive Months       | 61.46         | 56.25                     |

## Loomis Sayles

For the Periods Ending June 30, 2016

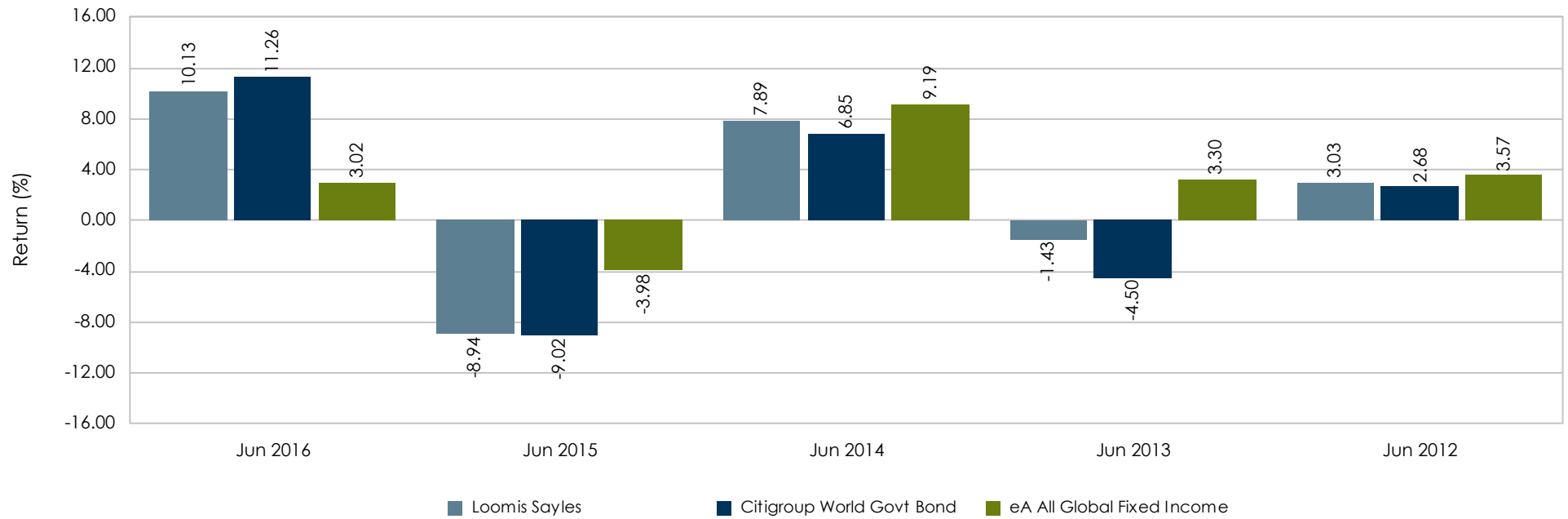


|                 |       |       |       |       |       |      |
|-----------------|-------|-------|-------|-------|-------|------|
| Ranking         | 9     | 5     | 6     | 56    | 61    | 57   |
| 5th Percentile  | 4.49  | 11.02 | 10.17 | 6.09  | 6.42  | 9.93 |
| 25th Percentile | 3.13  | 7.89  | 6.34  | 4.46  | 4.72  | 7.15 |
| 50th Percentile | 1.98  | 5.95  | 3.02  | 2.97  | 2.56  | 5.17 |
| 75th Percentile | 0.23  | 2.87  | 0.34  | 0.71  | 0.88  | 3.67 |
| 95th Percentile | -3.36 | -2.67 | -6.94 | -3.21 | -2.53 | 0.32 |
| Observations    | 619   | 619   | 618   | 559   | 456   | 357  |

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.

## Loomis Sayles

For the One Year Periods Ending June



|                 |       |        |       |       |        |
|-----------------|-------|--------|-------|-------|--------|
| Ranking         | 6     | 77     | 63    | 79    | 55     |
| 5th Percentile  | 10.17 | 3.67   | 19.83 | 14.70 | 9.38   |
| 25th Percentile | 6.34  | 1.13   | 12.38 | 7.58  | 6.71   |
| 50th Percentile | 3.02  | -3.98  | 9.19  | 3.30  | 3.57   |
| 75th Percentile | 0.34  | -8.56  | 6.74  | -0.77 | 0.27   |
| 95th Percentile | -6.94 | -17.47 | 3.04  | -5.98 | -10.87 |
| Observations    | 618   | 658    | 654   | 619   | 575    |

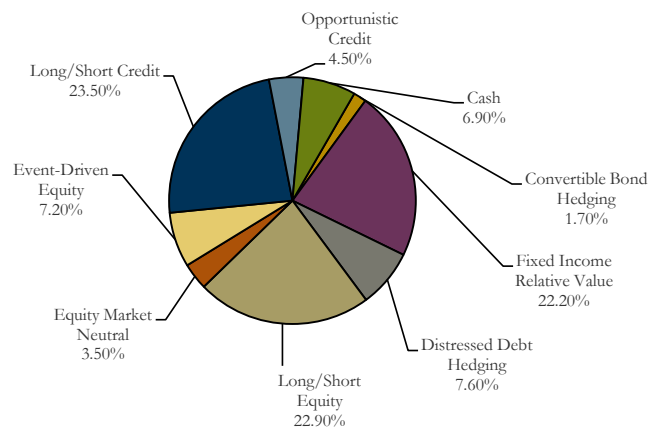
The rankings represent the portfolio's returns versus a peer universe. The rankings are on a scale of 1 to 100 with 1 being the best.

## PAAMCO

For the Periods Ending June 30, 2016

### Sector Allocation

Market Value: \$179,300,721



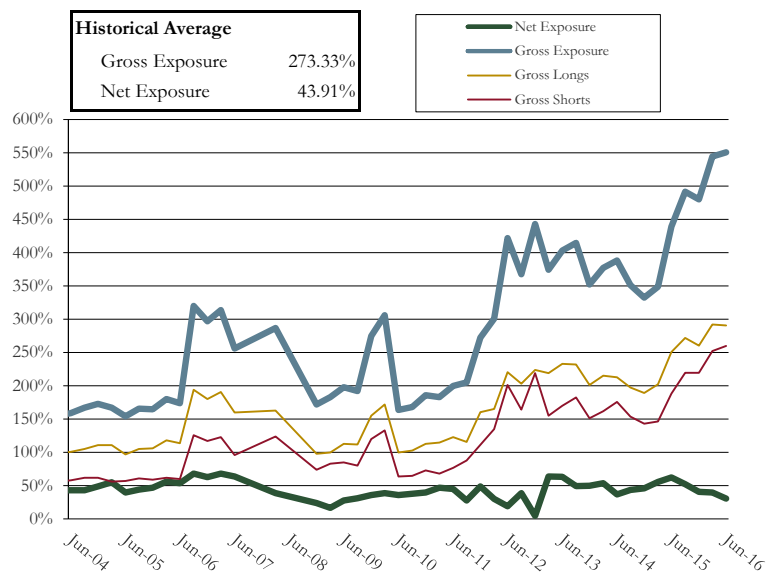
### Strategy

- Low Volatility Hedge Fund of Funds
- Performance Inception Date: October 2002
- Redemption: Quarterly with 60 days written notice

### Objectives and Constraints

- Target annualized return: 10-12%
- Target annualized standard deviation: approximate the standard deviation of the Barclays Capital Aggregate
- Maximum number of managers: 55
- Allocation to any manager: not to exceed 5% at cost or 7% at market value
- Allocation to Convertible Bond Hedging: 20-40%
- Allocation to Sovereign Debt & Mortgage Hedging: 0-10%
- Allocation to Credit Hedging & Distressed Debt Hedging: 0-25%
- Allocation to Merger Arbitrage: 0-20%
- Allocation to Equity Market Neutral & Long/Short Equity: 20-45%
- Allocation to Short Biased: 0-5%
- Allocation to Cash: 0-5%

### Historical Net & Gross Exposure



### Exposure

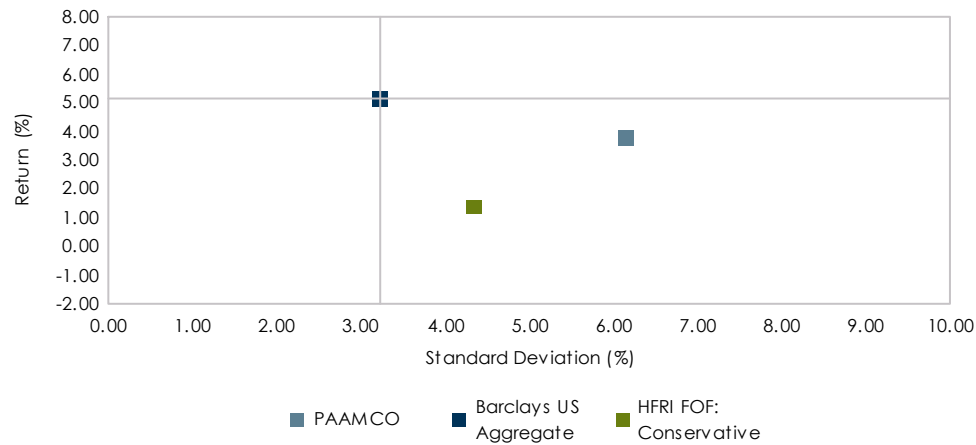
- Net Exposure: 30.60%
- Gross Exposure: 550.80%

Characteristic data provided by manager.

## PAAMCO

For the Periods Ending June 30, 2016

### 10 Year Risk / Return



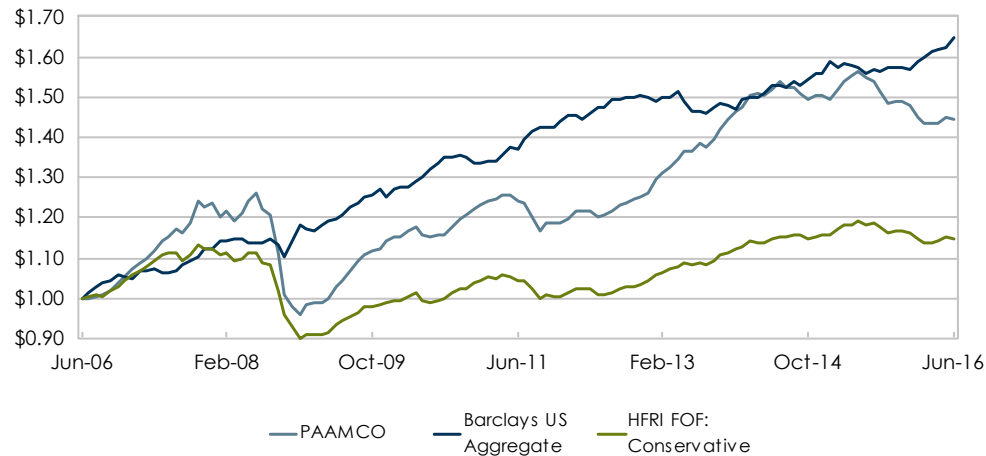
### 10 Year Portfolio Statistics

|                        | PAAMCO | Barclays US Aggregate | HFRI FOF: Conservative |
|------------------------|--------|-----------------------|------------------------|
| Return (%)             | 3.75   | 5.13                  | 1.37                   |
| Standard Deviation (%) | 6.15   | 3.23                  | 4.35                   |
| Sharpe Ratio           | 0.47   | 1.32                  | 0.11                   |

### Benchmark Relative Statistics

|                     |        |        |
|---------------------|--------|--------|
| Beta                | -0.04  | 1.33   |
| R Squared (%)       | 0.04   | 88.05  |
| Alpha (%)           | 4.15   | 1.97   |
| Tracking Error (%)  | 7.00   | 2.56   |
| Batting Average (%) | 56.67  | 65.83  |
| Up Capture (%)      | 43.23  | 150.68 |
| Down Capture (%)    | -21.93 | 110.83 |

### 10 Year Growth of a Dollar

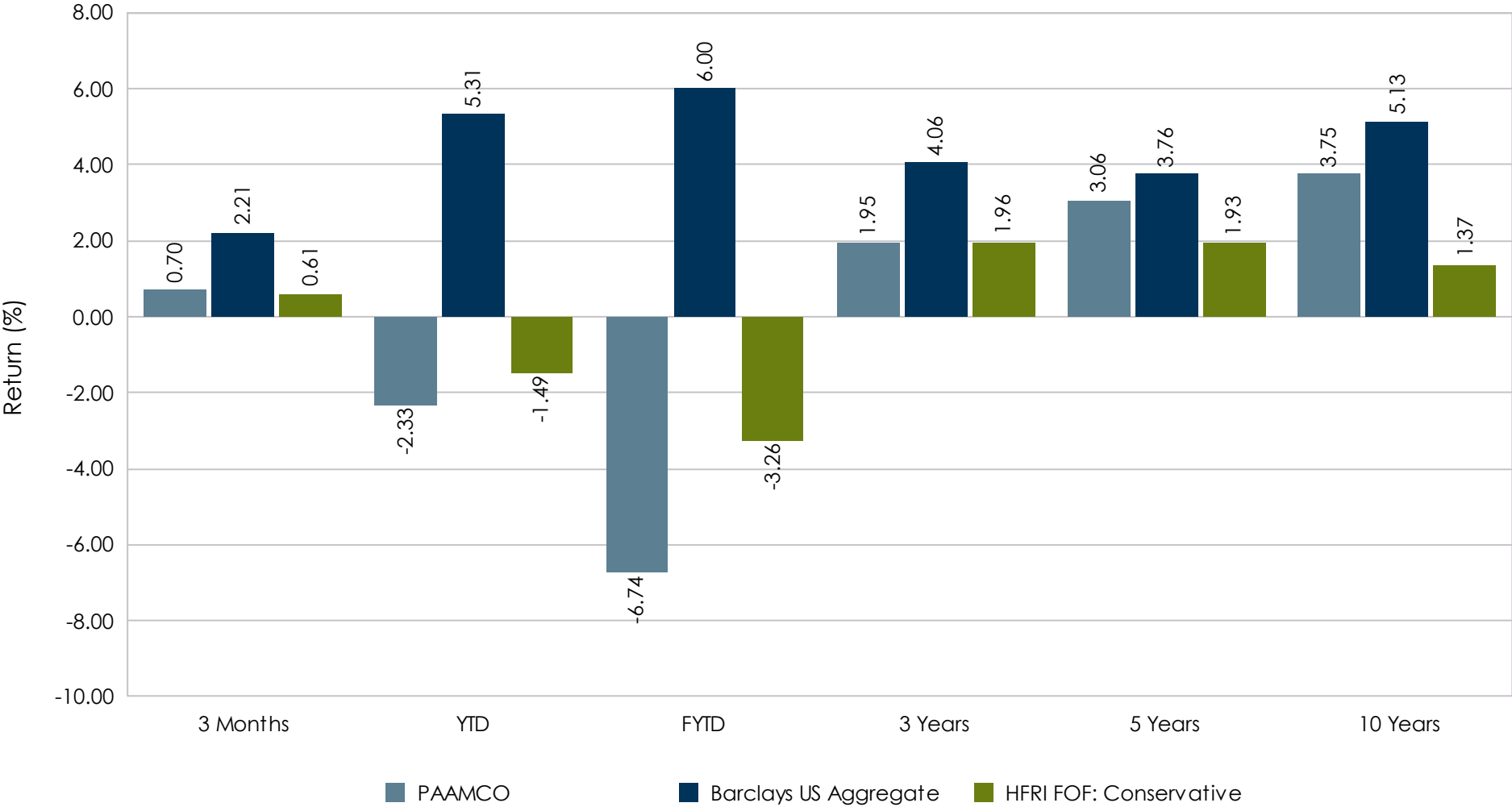


### 10 Year Return Analysis

|                            | PAAMCO | Barclays US Aggregate | HFRI FOF: Conservative |
|----------------------------|--------|-----------------------|------------------------|
| Number of Months           | 120    | 120                   | 120                    |
| Highest Monthly Return (%) | 4.90   | 3.73                  | 2.42                   |
| Lowest Monthly Return (%)  | -9.06  | -2.36                 | -5.91                  |
| Number of Positive Months  | 82     | 83                    | 80                     |
| Number of Negative Months  | 38     | 37                    | 40                     |
| % of Positive Months       | 68.33  | 69.17                 | 66.67                  |

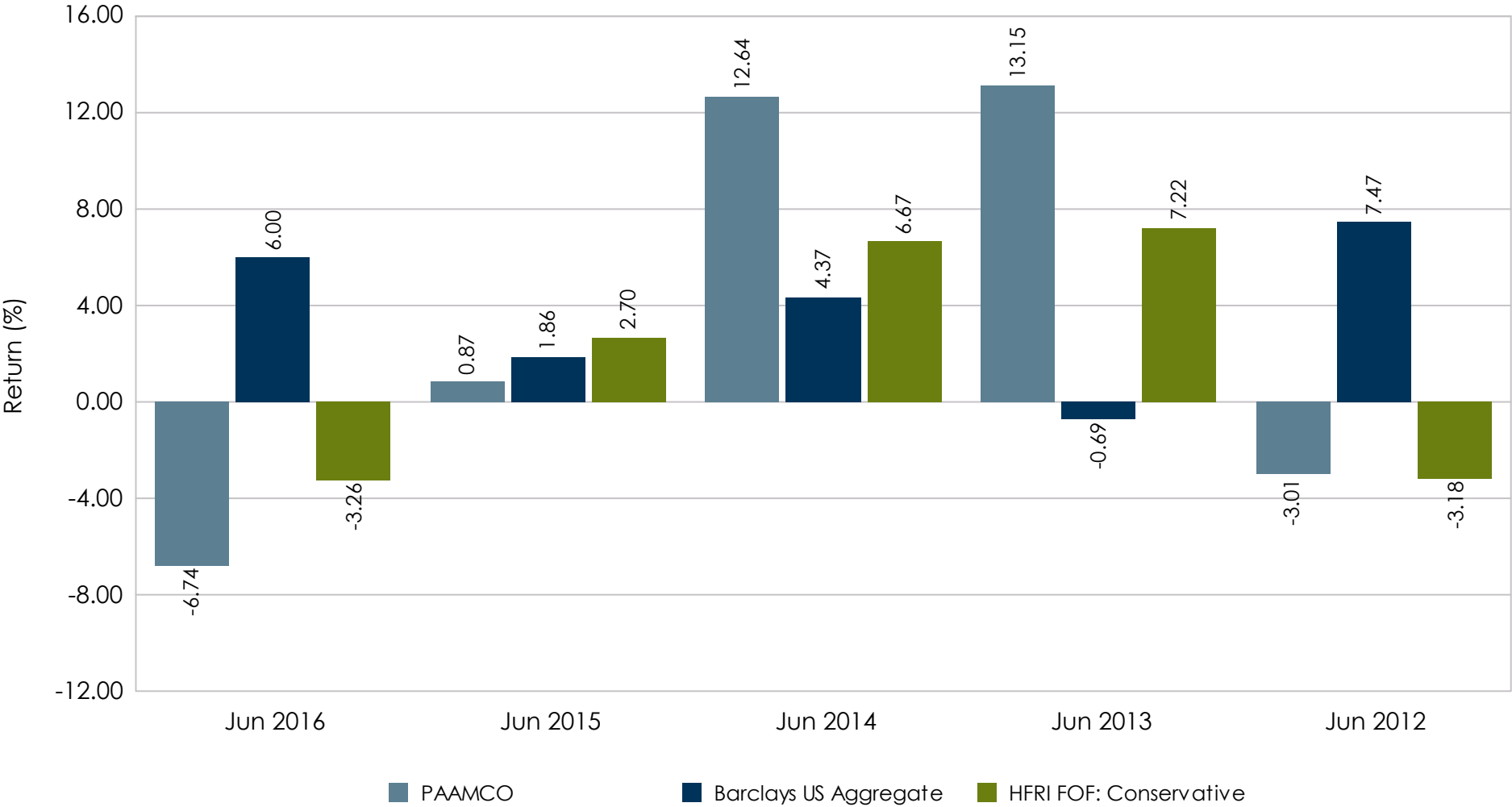
PAAMCO

For the Periods Ending June 30, 2016



PAAMCO

For the One Year Periods Ending June



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## **Real Assets Manager Performance**

## JP Morgan Strategic Property

For the Periods Ending June 30, 2016

### Account Description

- **Strategy** Core Real Estate
- **Vehicle** Non-Mutual Commingled
- **Benchmarks** NFI ODCE Net and NCREIF Property
- **Performance Inception Date** December 2007
- **Fees** 100 bps

### Performance Goals

- Exceed the total return of the NFI ODCE Net.

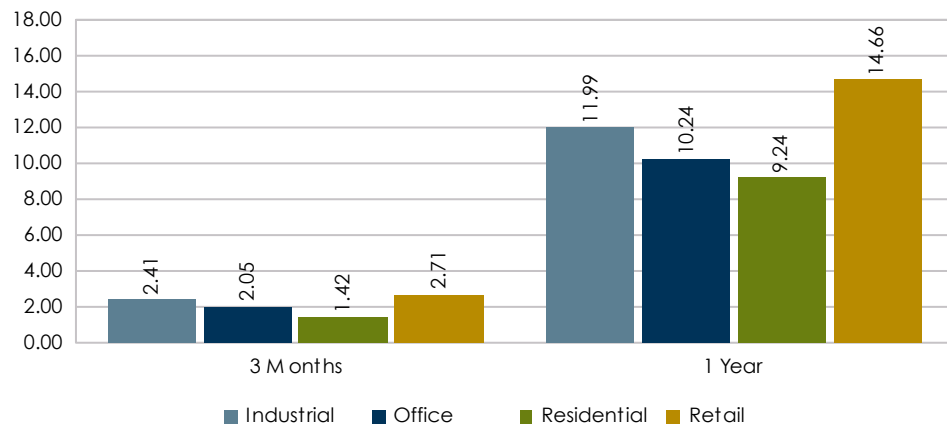
### Account Information

- **Ending Market Value** \$98,342,605

### Fund Information

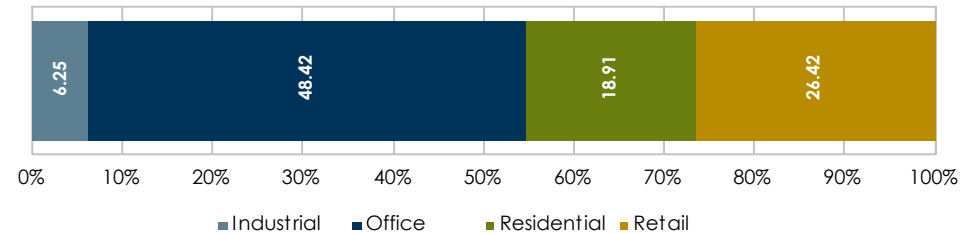
- **Gross Market Value** \$41,857,269,526
- **Net Market Value** \$30,740,119,874
- **Cash Balance of Fund** \$1,459,992,248
- **# of Properties** 173
- **# of Participants** 419

### Returns by Property Type (%)

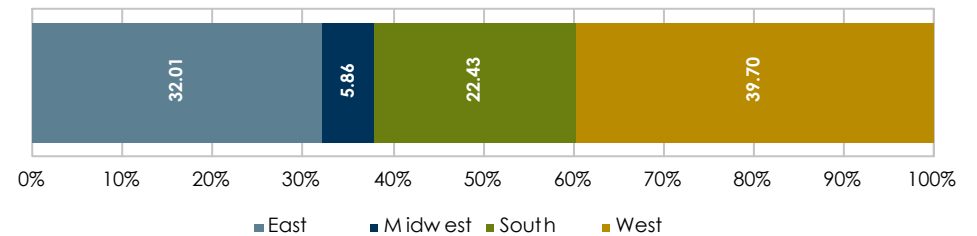


### Allocations

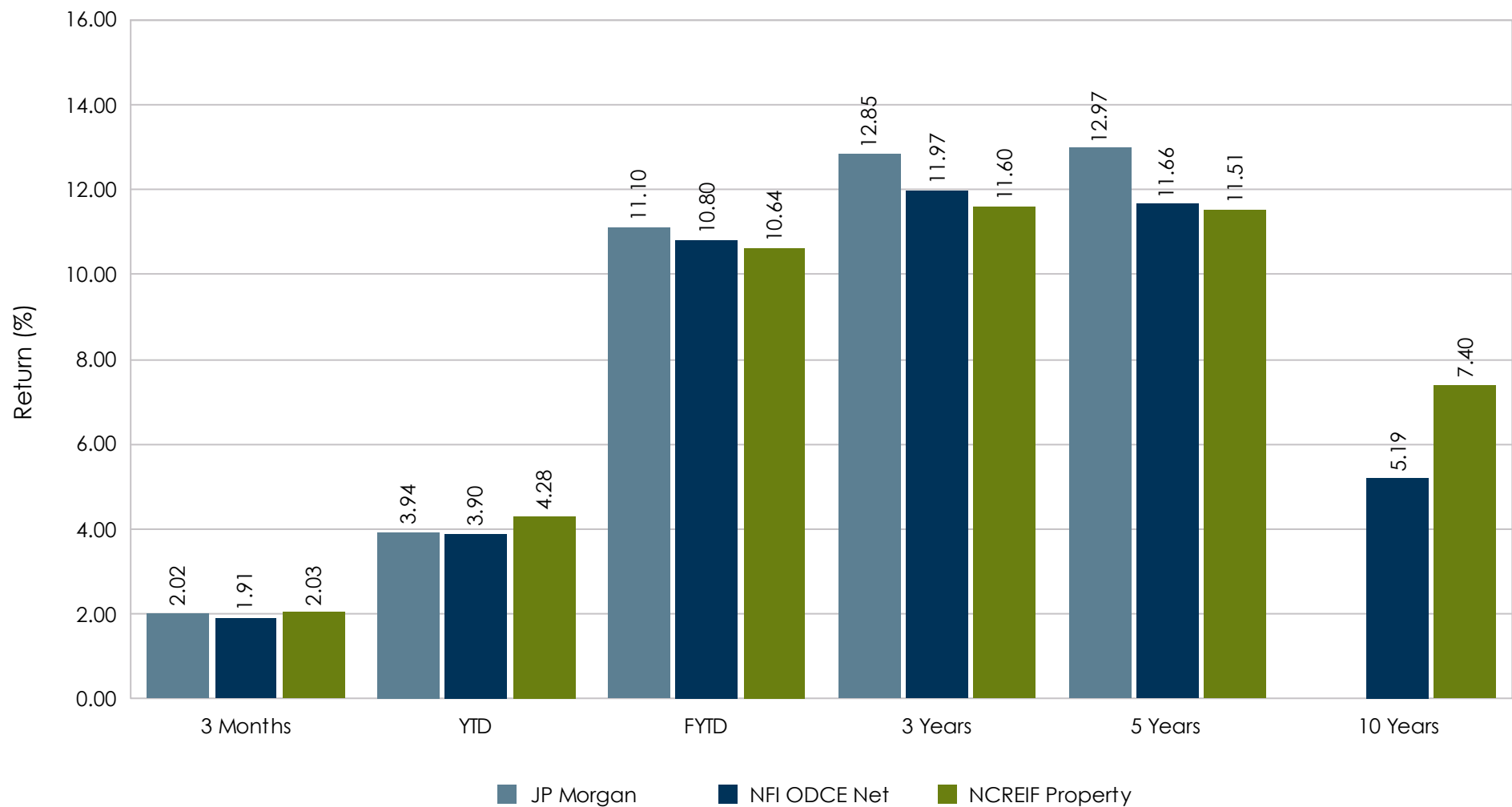
#### Property Type



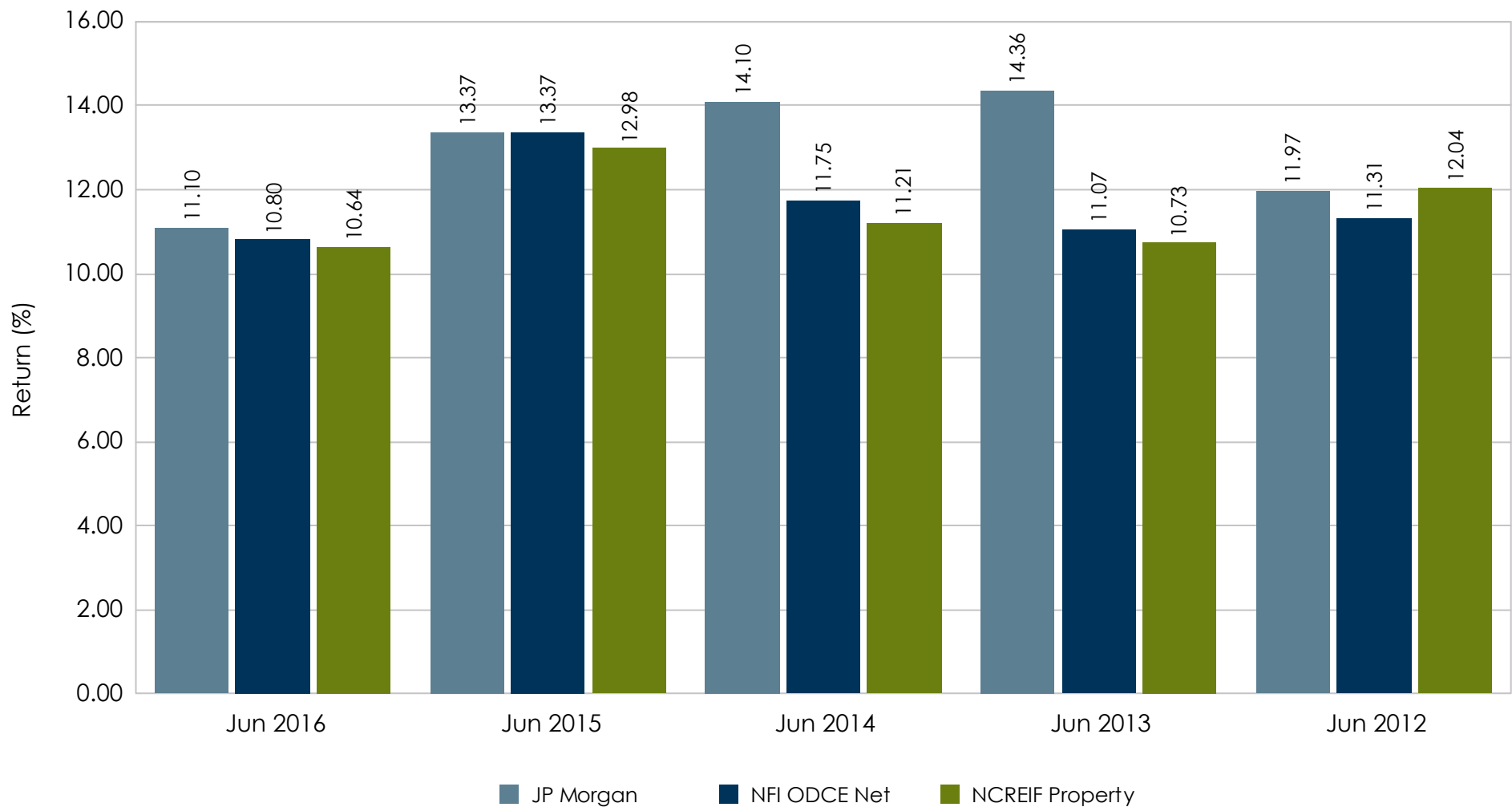
#### Geographic Region



**JP Morgan Strategic Property**  
*For the Periods Ending June 30, 2016*



**JP Morgan Strategic Property**  
*For the One Year Periods Ending June*



Blackstone Property Partners

For the Periods Ending June 30, 2016

Account Description

- **Strategy** Core Real Estate
- **Performance Inception Date** January 2015
- **Benchmarks** NFI ODCE Net and NCREIF Property

Account Information

■ **Ending Market Value** \$34,241,545

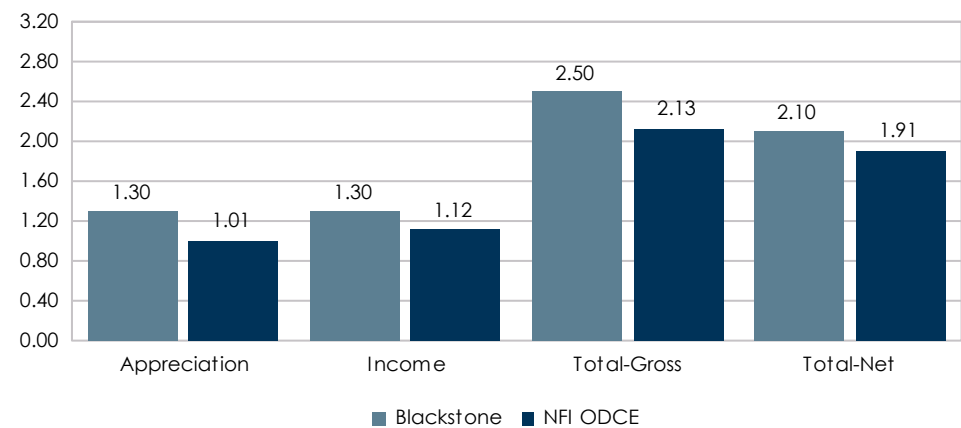
Fund Information

■ **Net Market Value** \$3,400,000,000  
■ **# of Properties** 10

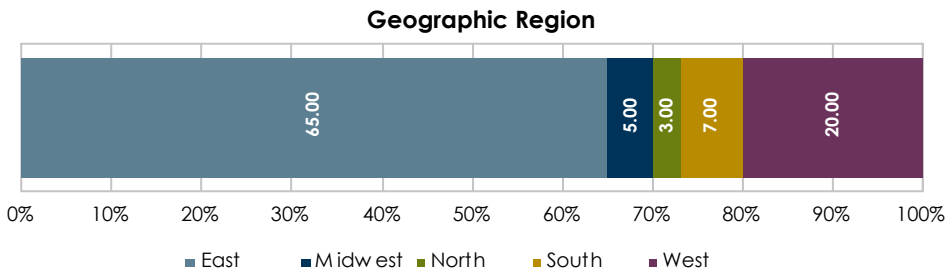
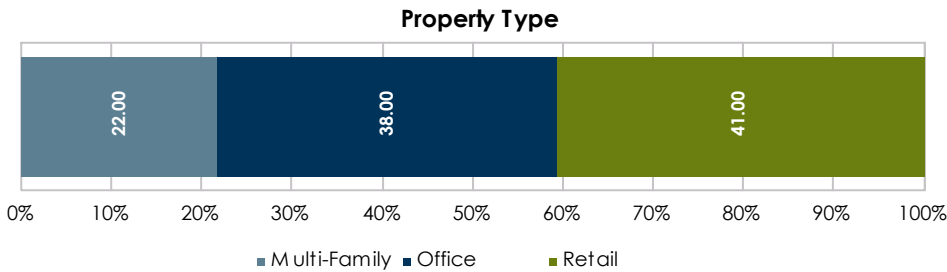
Performance Goals

- Exceed the total return of the NFI ODCE Net.

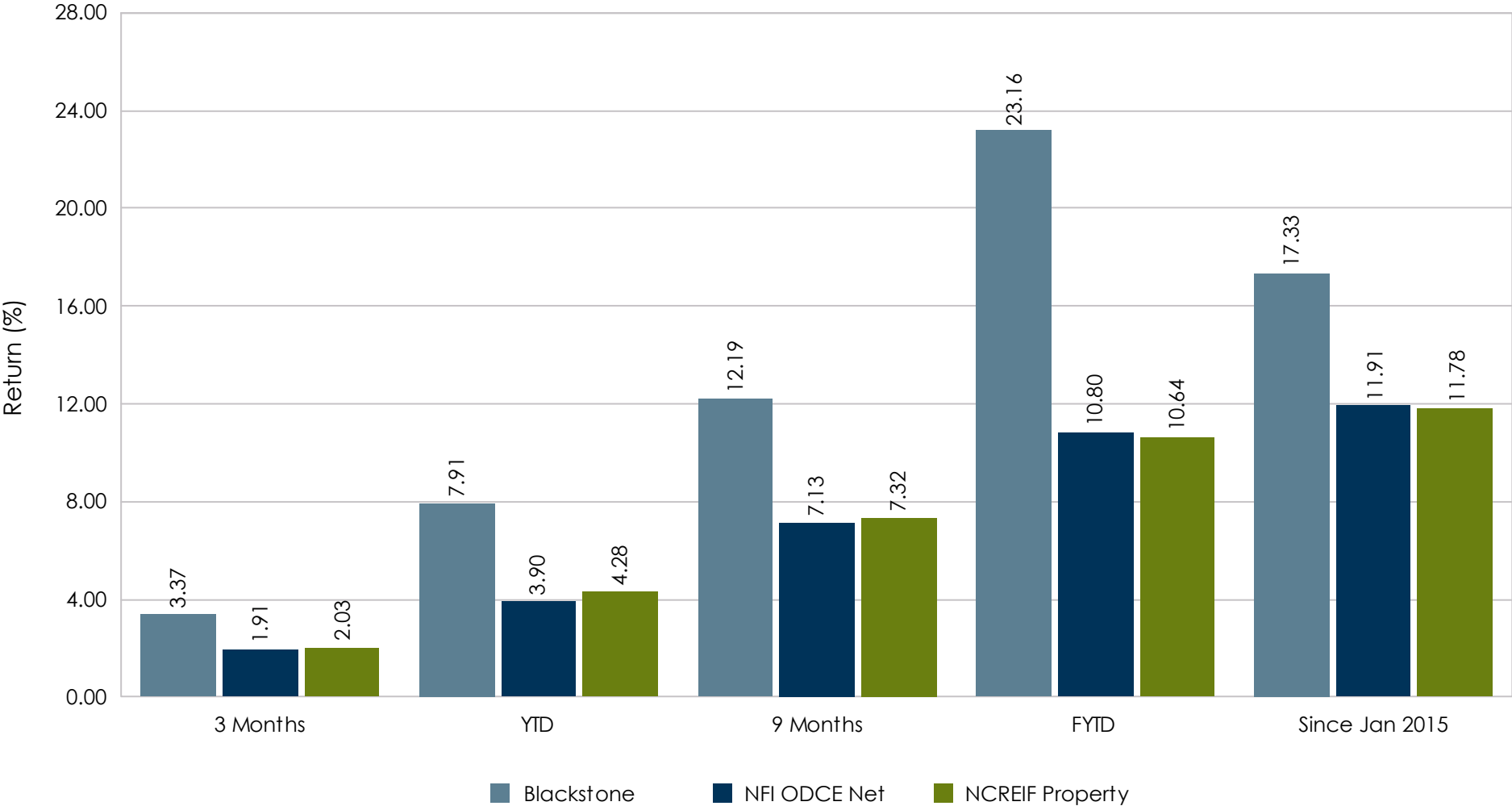
Current Quarter Returns (%)



Allocations

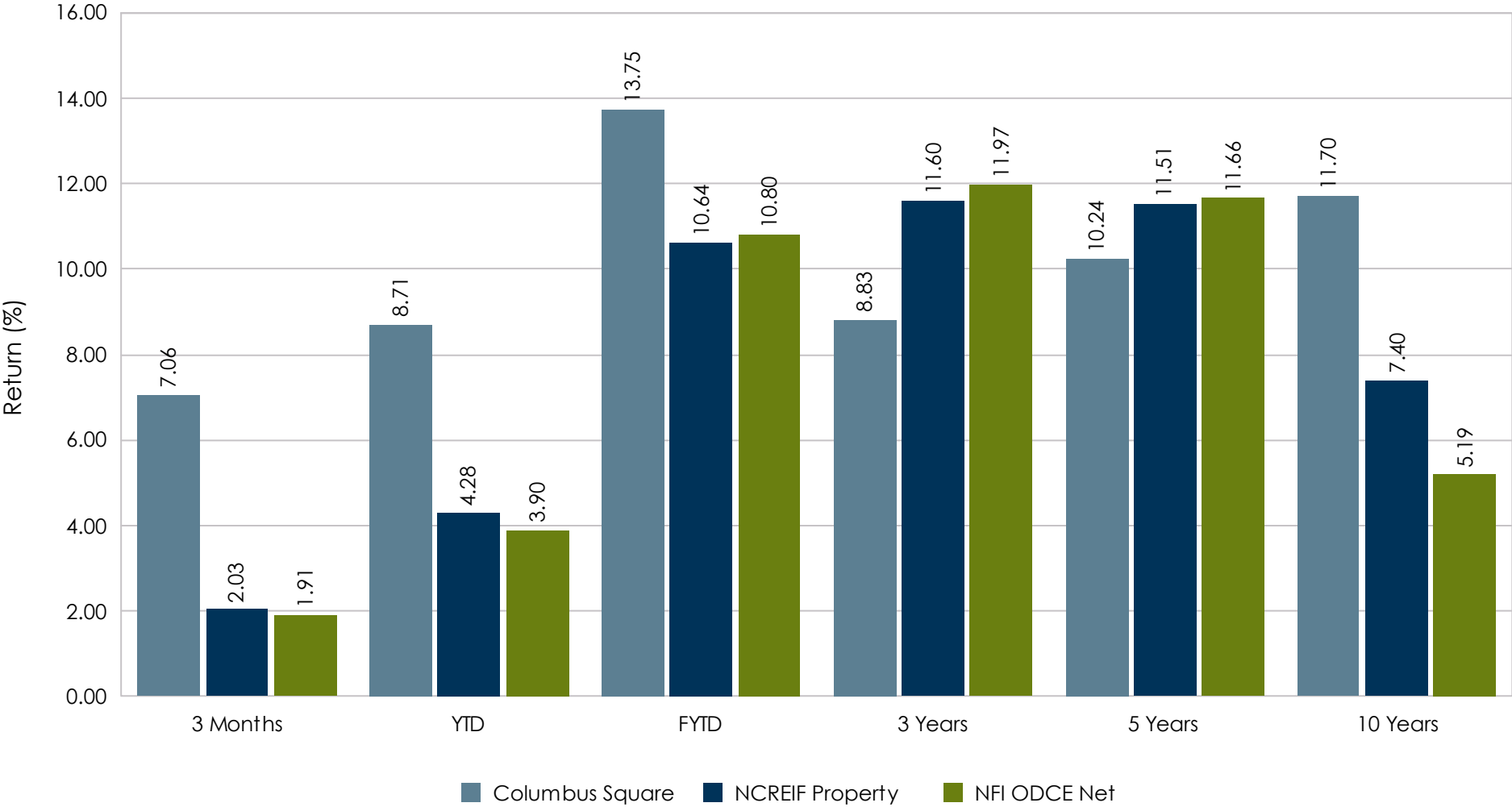


**Blackstone Property Partners**  
*For the Periods Ending June 30, 2016*



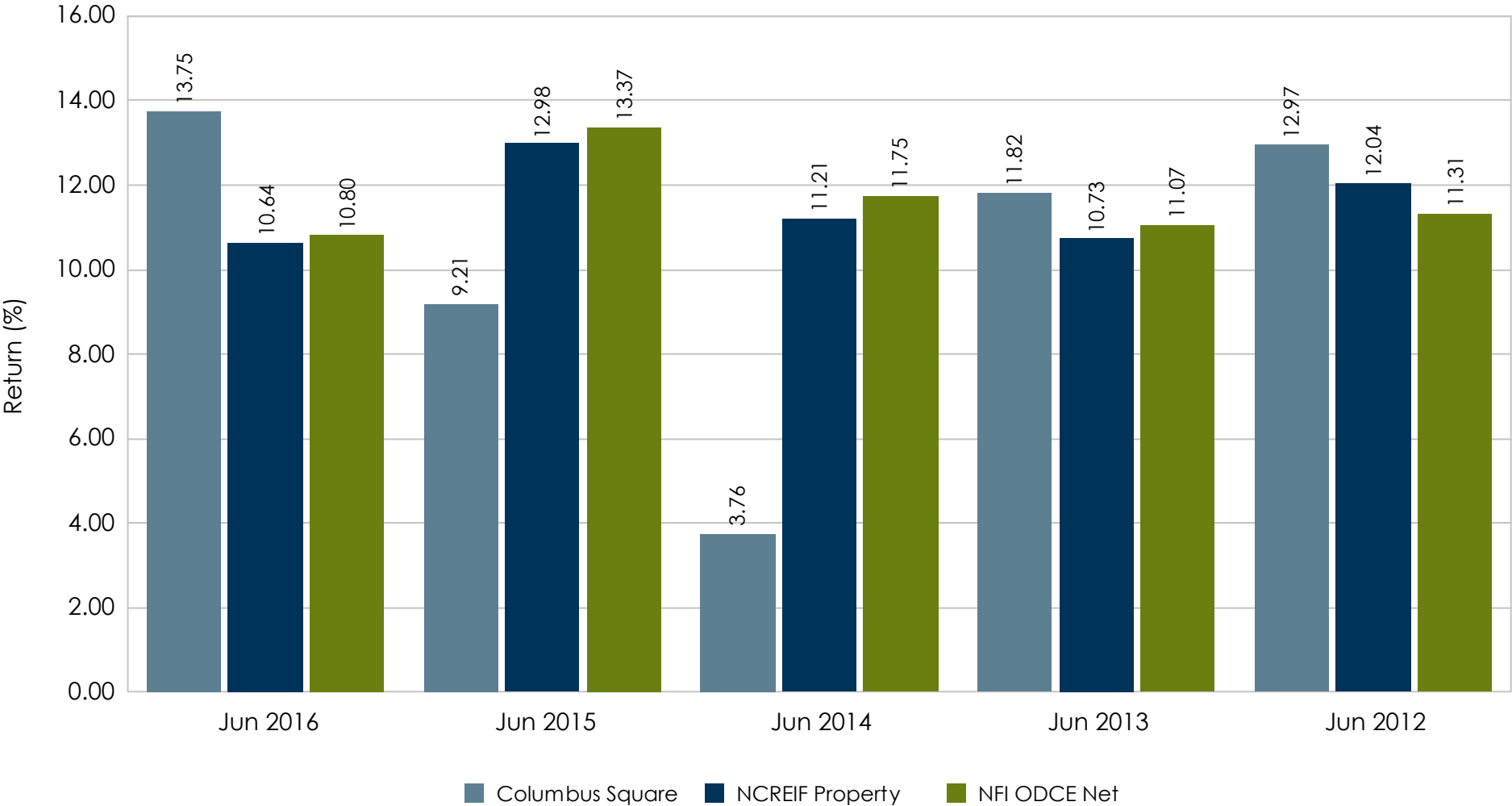
Columbus Square

For the Periods Ending June 30, 2016



Columbus Square

For the One Year Periods Ending June





## Private Real Estate

For the Period Ending June 30, 2016

## Summary of Cash Flows for 3 Months

| Cash Outflows | Cash Inflows | Net Cash Flows |
|---------------|--------------|----------------|
| -2,278,102    | 2,284,934    | 6,832          |

## Summary of Portfolio Inception to Date

|                                               | Inception Date | Committed         | Drawn to Date     | Remaining Commitment | Distributions to Date | Adjusted Ending Value | Total Value       | Total Value to Paid-in |
|-----------------------------------------------|----------------|-------------------|-------------------|----------------------|-----------------------|-----------------------|-------------------|------------------------|
| <b>Total</b>                                  |                | <b>82,500,000</b> | <b>64,464,473</b> | <b>27,050,647</b>    | <b>21,100,337</b>     | <b>60,404,597</b>     | <b>81,504,934</b> | <b>1.26x</b>           |
| <b>Real Estate</b>                            |                | <b>82,500,000</b> | <b>64,464,473</b> | <b>27,050,647</b>    | <b>21,100,337</b>     | <b>60,404,597</b>     | <b>81,504,934</b> | <b>1.26x</b>           |
| Siguler Guff Dist. Real Estate Opp.           | Jul-11         | 10,000,000        | 8,508,587         | 1,750,773            | 4,571,795             | <b>8,316,784</b>      | 12,888,579        | 1.51x                  |
| TA Associates Realty X                        | Nov-12         | 20,000,000        | 20,000,000        | -                    | 5,794,388             | <b>20,086,584</b>     | 25,880,972        | 1.29x                  |
| Cerberus Real Estate Fund III                 | May-13         | 20,000,000        | 25,185,319        | 3,552,375            | 10,681,156            | <b>21,369,544</b>     | 32,050,700        | 1.27x                  |
| Hall Capital Fund III                         | Feb-14         | 7,500,000         | 2,770,997         | 4,729,003            | 34,932                | <b>2,581,817</b>      | 2,616,749         | 0.94x                  |
| Siguler Guff Dist. Real Estate Opp. II        | Nov-14         | 10,000,000        | 6,562,577         | 3,437,423            | -                     | <b>6,630,941</b>      | 6,630,941         | 1.01x                  |
| Cerberus Institutional Real Estate Partners 4 | Jun-16         | 15,000,000        | 1,436,993         | 13,581,073           | 18,066                | <b>1,418,927</b>      | 1,436,993         | 1.00x                  |

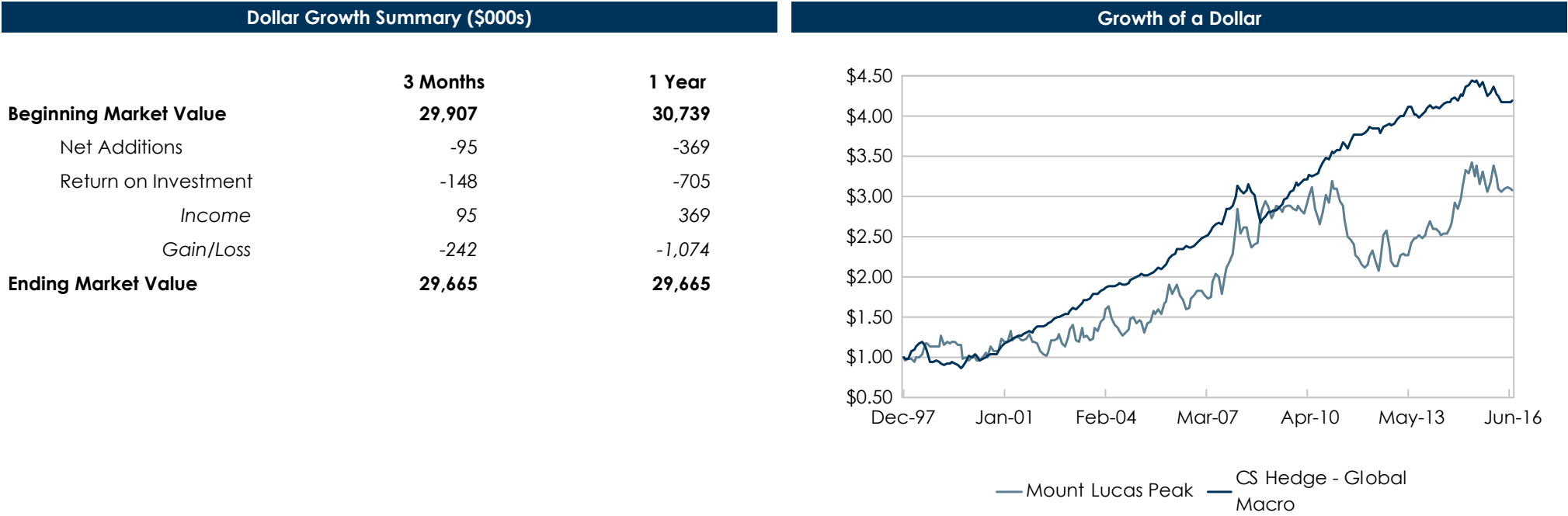
## Cash Flow Activity for 3 Months

| Fund Name                                     | Date      | Transaction Type                     | Cash Outflows     | Cash Inflows     | Net Cash Flows |
|-----------------------------------------------|-----------|--------------------------------------|-------------------|------------------|----------------|
| <b>Total</b>                                  |           |                                      | <b>-2,278,102</b> | <b>2,284,934</b> | <b>6,832</b>   |
| <b>Real Estate</b>                            |           |                                      | <b>-2,278,102</b> | <b>2,284,934</b> | <b>6,832</b>   |
| Siguler Guff Dist. Real Estate Opp. II        | 4/27/2016 | Capital Call                         | -375,000          | -                |                |
| Siguler Guff Dist. Real Estate Opp. II        | 5/17/2016 | Capital Call                         | -400,000          | -                |                |
| Cerberus Real Estate Fund III                 | 5/23/2016 | Distribution                         | -                 | 350,538          |                |
| TA Associates Realty X                        | 5/26/2016 | Distribution                         | -                 | 765,094          |                |
| Cerberus Institutional Real Estate Partners 4 | 6/02/2016 | Capital Call                         | -1,436,993        | -                |                |
| Siguler Guff Dist. Real Estate Opp.           | 6/07/2016 | Distribution of Recallable Principal | -                 | 58,410           |                |
| Siguler Guff Dist. Real Estate Opp.           | 6/07/2016 | Distribution                         | -                 | 51,590           |                |
| Cerberus Institutional Real Estate Partners 4 | 6/28/2016 | Distribution of Recallable Principal | -                 | 18,066           |                |
| Cerberus Institutional Real Estate Partners 4 | 6/28/2016 | Base Rate Interest - Paid            | -44,559           | -                |                |
| Siguler Guff Dist. Real Estate Opp.           | 6/29/2016 | Distribution                         | -                 | 28,450           |                |
| Siguler Guff Dist. Real Estate Opp.           | 6/29/2016 | Distribution of Recallable Principal | -21,550           | -                |                |
| TA Associates Realty X                        | 6/29/2016 | Distribution                         | -                 | 1,012,786        |                |

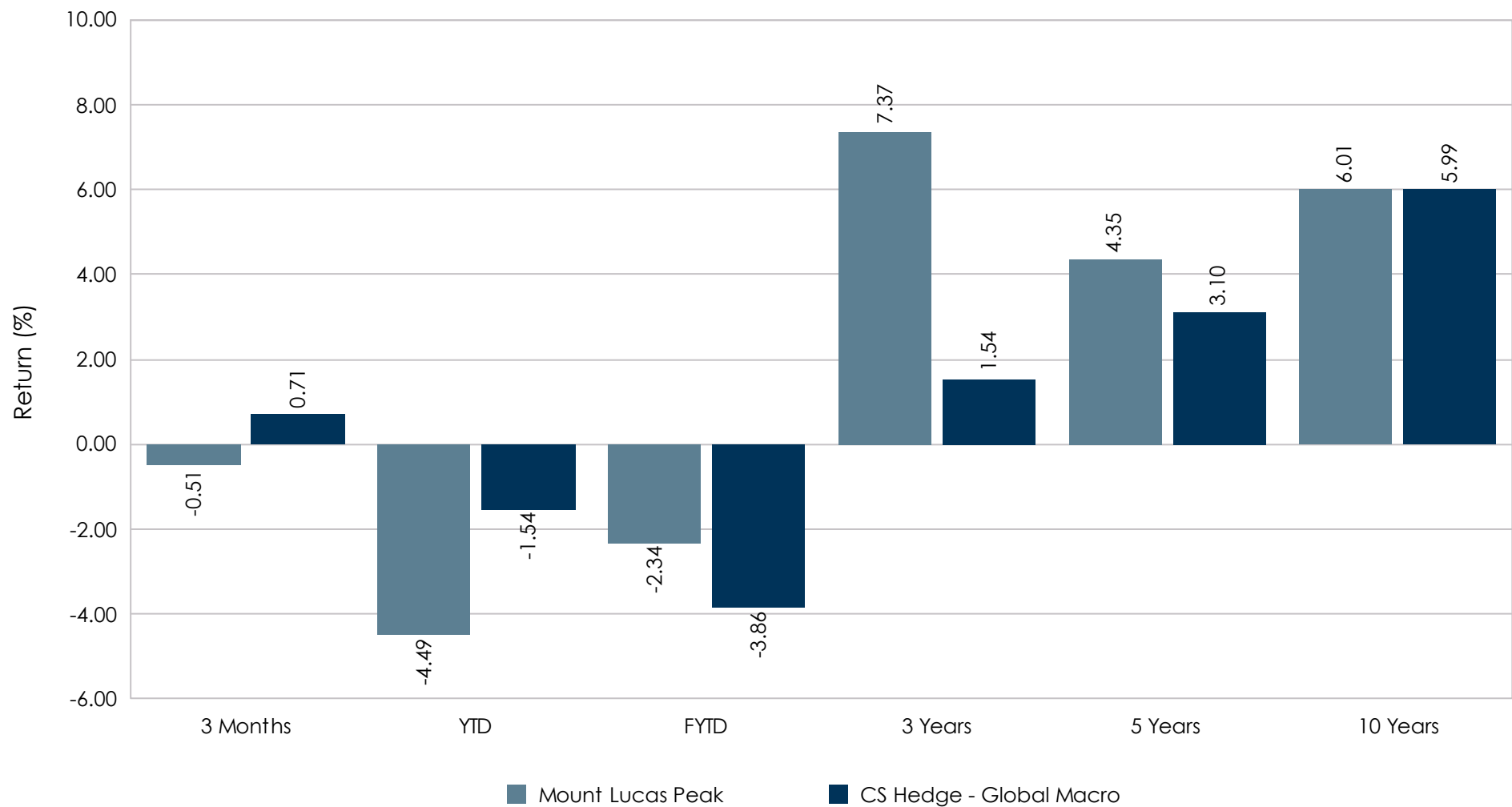
Mount Lucas Peak Partners

For the Periods Ending June 30, 2016

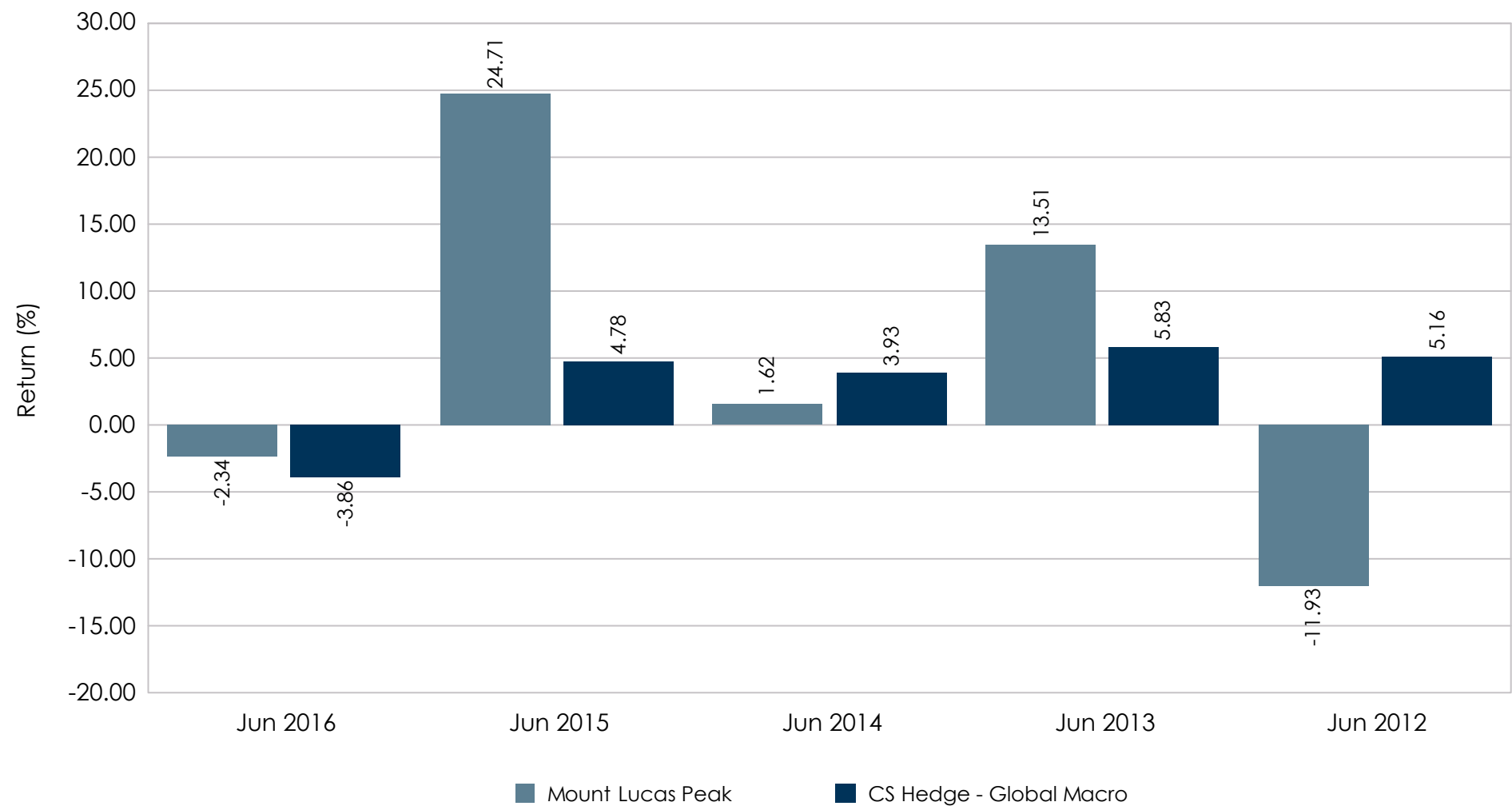
| Account Description                                                                                                                                                                                                                                                                                | Performance Goals                                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>▪ <b>Strategy</b> Commodities</li><li>▪ <b>Vehicle</b> Non-Mutual Commingled</li><li>▪ <b>Benchmark</b> CS Hedge - Global Macro</li><li>▪ <b>Performance Inception Date</b> January 1998</li><li>▪ <b>Fees</b> 100 bps and an annual incentive fee</li></ul> | <ul style="list-style-type: none"><li>▪ Outperform the CS Hedge - Global Macro over a complete market cycle.</li></ul> |



**Mount Lucas Peak Partners**  
*For the Periods Ending June 30, 2016*



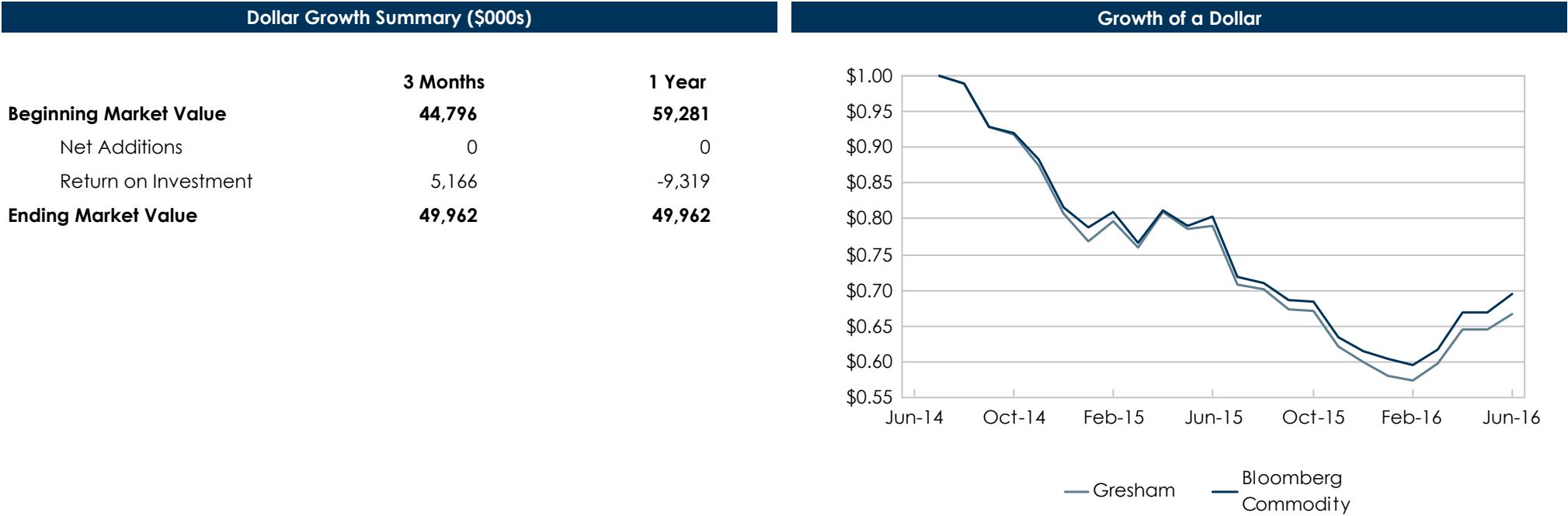
**Mount Lucas Peak Partners**  
*For the One Year Periods Ending June*



Gresham Tap Fund

For the Periods Ending June 30, 2016

| Account Description                                                                                                                                                                                                                                              | Performance Goals                                                                                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>▪ <b>Strategy</b> Commodities</li><li>▪ <b>Vehicle</b> Non-Mutual Commingled</li><li>▪ <b>Benchmark</b> Bloomberg Commodity</li><li>▪ <b>Performance Inception Date</b> August 2014</li><li>▪ <b>Fees</b> 75 bps</li></ul> | <ul style="list-style-type: none"><li>▪ Outperform the Bloomberg Commodity over a complete market cycle.</li></ul> |



**Gresham TAP Fund**  
**Attribution Analysis and Bloomberg Commodity Comparison**

For the Periods Ending June 30, 2016

|                           |                     | Portfolio Weights (%) |              | QTD ROI (%)  |              | ROI DIFF  |              | YTD ROI (%)  |              | ROI DIFF  |              |
|---------------------------|---------------------|-----------------------|--------------|--------------|--------------|-----------|--------------|--------------|--------------|-----------|--------------|
|                           |                     | TAP                   | Bloomberg    | TAP          | Bloomberg    | Abs       | Est. Wgt'd   | TAP          | Bloomberg    | Abs       | Est. Wgt'd   |
| <b>Total Gross Return</b> |                     | <b>99.99</b>          | <b>99.97</b> | <b>11.68</b> | <b>12.71</b> | <b>--</b> | <b>-1.02</b> | <b>11.47</b> | <b>13.09</b> | <b>--</b> | <b>-1.62</b> |
| <b>AGRICULTURE</b>        |                     | <b>16.01</b>          | <b>21.83</b> | 12.26        | 10.09        | 2.17      | 0.72         | 14.23        | 11.62        | 2.61      | 0.74         |
|                           | Corn                | 3.31                  | 6.21         | 1.82         | 2.19         | -0.37     | 0.32         | -1.63        | -1.21        | -0.42     | 0.53         |
|                           | Soybean             | 5.86                  | 6.20         | 27.81        | 27.68        | 0.13      | -0.06        | 34.32        | 33.91        | 0.41      | -0.12        |
|                           | Wheat (CBOT)        | 1.81                  | 2.61         | -9.57        | -9.28        | -0.29     | 0.08         | -9.83        | -9.45        | -0.38     | 0.11         |
|                           | Wheat (KC)          | 0.90                  | 0.86         | -16.32       | -16.26       | -0.06     | 0.12         | -16.77       | -16.69       | -0.08     | 0.13         |
|                           | Wheat (MGE)         | 0.18                  |              | -6.91        |              | -6.91     | -0.04        | -1.10        |              | -1.10     | -0.03        |
|                           | Soybean Meal        | 2.10                  | 3.46         | 51.26        | 50.23        | 1.03      | -0.09        | 52.74        | 51.77        | 0.97      | -0.12        |
|                           | Soybean Oil         | 1.85                  | 2.49         | -8.84        | -9.00        | 0.16      | 0.39         | 0.70         | 0.50         | 0.20      | 0.23         |
| <b>ENERGY</b>             |                     | <b>35.62</b>          | <b>34.23</b> | 19.35        | 20.27        | -0.92     | 0.06         | 10.07        | 8.99         | 1.60      | 0.32         |
|                           | Crude Oil           | 9.39                  | 8.48         | 18.11        | 18.64        | -0.53     | -0.07        | 5.12         | 4.91         | 0.21      | -0.15        |
|                           | Brent Crude         | 10.75                 | 8.82         | 19.44        | 19.51        | -0.07     | 0.26         | 18.31        | 18.96        | -0.65     | 0.06         |
|                           | Heating Oil         | 2.76                  | 4.29         | 22.58        | 23.09        | -0.51     | -0.14        | 22.88        | 23.75        | -0.87     | -0.13        |
|                           | Gas Oil             | 3.45                  |              | 21.33        | 21.17        | 0.16      | 0.29         | 22.46        | 22.48        | -0.02     | 0.27         |
|                           | Natural Gas         | 6.13                  | 8.78         | 28.71        | 30.88        | -2.17     | -0.36        | 2.52         | 2.32         | 0.20      | 0.20         |
|                           | Unleaded Gas (RBOB) | 3.14                  | 3.86         | 3.18         | 3.01         | 0.17      | 0.08         | -7.90        | -9.16        | 1.26      | 0.07         |
| <b>INDUSTRIAL METALS</b>  |                     | <b>18.41</b>          | <b>15.66</b> | 5.17         | 6.04         | -0.87     | -0.23        | 7.20         | 8.39         | -1.19     | -0.27        |
|                           | Aluminum            | 5.03                  | 4.20         | 7.86         | 8.06         | -0.20     | -0.06        | 8.01         | 7.83         | 0.18      | -0.03        |
|                           | Copper (LME)        | 7.55                  |              | 0.12         | -0.14        | 0.26      | -0.87        | 3.20         | 3.09         | 0.11      | -0.71        |
|                           | Copper (NY)         | 1.50                  | 6.54         | 0.03         | -0.04        | 0.07      | 0.78         | 2.16         | 2.07         | 0.09      | 0.65         |
|                           | Nickel              | 1.63                  | 2.11         | 10.70        | 10.73        | -0.03     | 0.01         | 6.19         | 6.10         | 0.09      | 0.03         |
|                           | Zinc                | 1.77                  | 2.81         | 15.56        | 15.47        | 0.09      | -0.03        | 29.57        | 29.69        | -0.12     | -0.10        |
|                           | Lead                | 0.93                  |              | 4.71         | 4.63         | 0.08      | -0.07        | -0.61        | -1.02        | 0.41      | -0.12        |
| <b>LIVESTOCK</b>          |                     | <b>9.64</b>           | <b>4.75</b>  | -3.28        | -1.92        | -1.36     | -1.01        | -3.58        | -0.86        | -2.72     | -1.12        |
|                           | Live Cattle         | 5.80                  | 2.45         | -4.41        | -4.74        | 0.33      | -0.67        | -6.83        | -7.13        | 0.30      | -0.71        |
|                           | Lean Hogs           | 2.24                  | 2.30         | 2.94         | 1.33         | 1.61      | 0.05         | 12.05        | 8.73         | 3.32      | 0.07         |
|                           | Feeder Cattle       | 1.60                  |              | -7.16        | -7.69        | 0.53      | -0.39        | -10.93       | -12.15       | 1.22      | -0.48        |
| <b>PRECIOUS METALS</b>    |                     | <b>13.06</b>          | <b>15.80</b> | 9.06         | 10.16        | -1.10     | -0.03        | 24.81        | 26.91        | -2.10     | -0.72        |
|                           | Gold                | 9.11                  | 11.22        | 6.71         | 6.67         | 0.04      | 0.20         | 24.31        | 24.17        | 0.14      | -0.32        |
|                           | Silver              | 2.79                  | 4.58         | 19.76        | 19.78        | -0.02     | -0.14        | 34.02        | 33.99        | 0.03      | -0.38        |
|                           | Platinum            | 0.69                  |              | 4.63         |              | 4.63      | -0.05        | 14.43        |              | 14.43     | 0.01         |
|                           | Palladium           | 0.47                  |              | 5.74         |              | 5.74      | -0.04        | 5.97         |              | 5.97      | -0.04        |
| <b>FOODS &amp; FIBERS</b> |                     | <b>7.25</b>           | <b>7.70</b>  | 15.70        | 20.38        | -4.68     | -0.33        | 13.20        | 19.11        | -5.91     | -0.46        |
|                           | Cotton              | 1.35                  | 1.26         | 10.19        | 10.29        | -0.10     | 0.00         | 1.10         | 0.96         | 0.14      | 0.01         |
|                           | Sugar               | 2.62                  | 4.17         | 29.77        | 29.84        | -0.07     | -0.23        | 32.73        | 31.51        | 1.22      | -0.30        |
|                           | White Sugar         | 0.24                  |              | 24.19        |              | 24.19     | 0.03         | 33.97        |              | 33.97     | 0.04         |
|                           | Coffee              | 1.79                  | 2.27         | 10.98        | 10.90        | 0.08      | 0.01         | 9.87         | 9.58         | 0.29      | 0.02         |
|                           | Coffee (Robusta)    | 0.27                  |              | 10.29        |              | 10.29     | -0.01        | 5.92         |              | 5.92      | -0.02        |
|                           | Cocoa               | 0.98                  |              | 0.39         | 0.35         | 0.04      | -0.12        | -8.22        | -8.49        | 0.27      | -0.21        |

Data provided by manager.

-A composite weighted return is shown for Wheat, Crude Oil, Heating Oil and Copper. Wheat (KC), Brent Crude, Gas Oil, Copper (NY) and Cocoa were added to TAP's portfolio in the middle of January 2008. Wheat (MGE) was added to TAP's portfolio in the middle of January 2010.

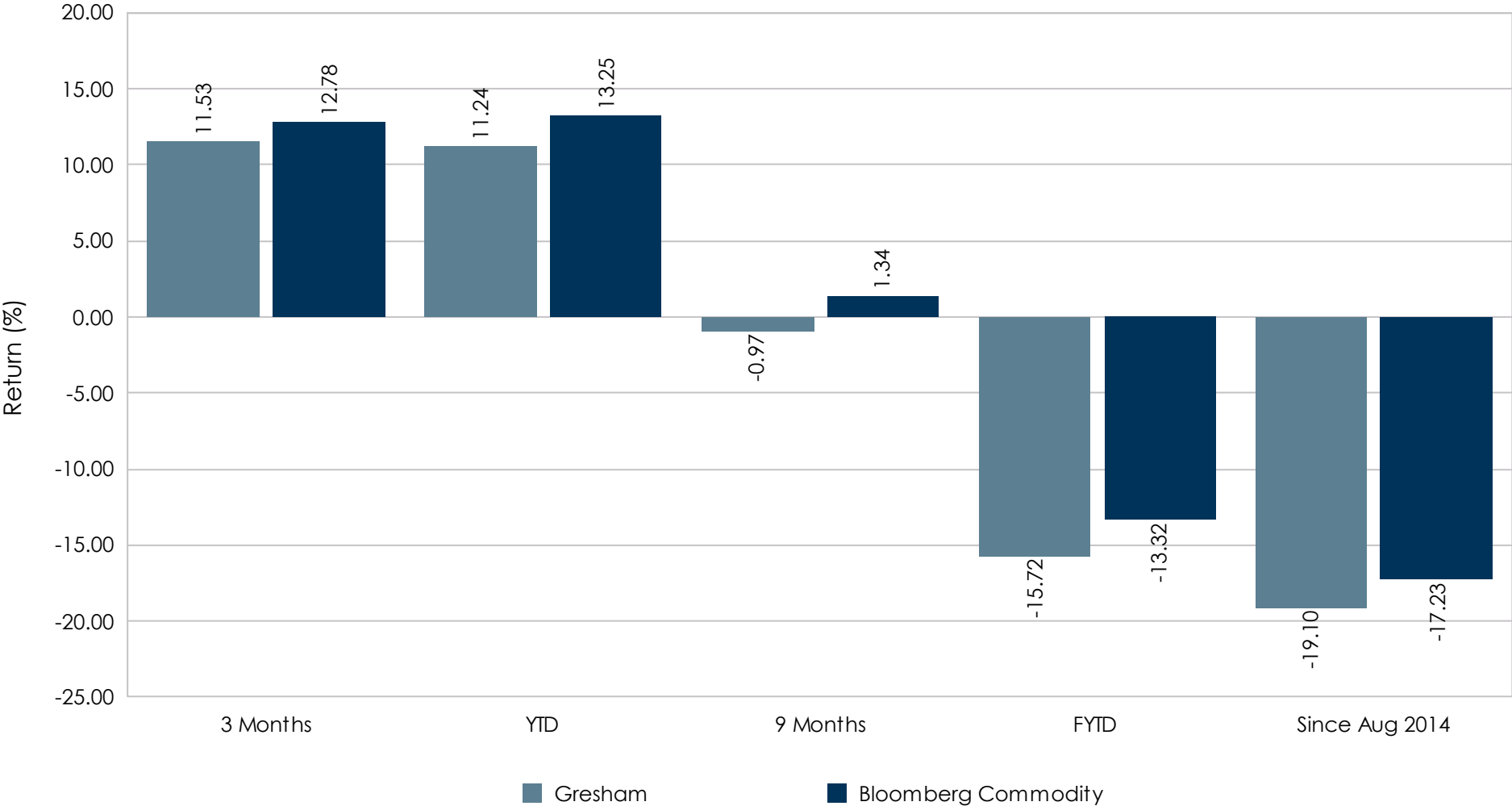
-MTD ROI % and YTD ROI % columns show TAP and Bloomberg individual commodity returns.

- 'Abs' is the absolute difference in ROI between TAP and Bloomberg for each commodity. 'Est. Wgt'd' is the portfolio effect (TAP's return x TAP's period avg. wgt. - Bloomberg's return x Bloomberg's period avg. wgt.). 'Average Weights' is calculated using month-end weights.

-All returns are estimates. Total Gross Return is gross of fees and includes cash returns. All indicated TAP returns are net of commissions and gross of management fees.

Gresham Tap Fund

For the Periods Ending June 30, 2016



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**Definitions**

## Definitions of Statistical Measures

**Alpha** - the annualized difference between the manager's actual return and the managers's expected return given its relative risk vs. the benchmark (which is represented by beta, a measure that tracks volatility to an index).

**Batting Average** - a measure used to quantify a manager's ability to meet or beat a benchmark. A manager who outperforms the benchmark 20 out of a possible 40 times has a batting average of 50.

**Beta** - measures the portfolio's sensitivity of returns to market movements represented by the primary benchmark.

**Down Capture** - demonstrates the ratio of the portfolio's average returns relative to the benchmark in periods in which the benchmark had a negative return. For instance, a down-capture of 96% indicates that, on average, the portfolio is down 96% when the benchmark is down 100%. Lower portfolio down-capture is preferred.

**R Squared** - the amount of the manager's return that can be explained by the benchmark. A R Squared of 100 indicates a perfect correlation, while a R Squared of 0 indicates no correlation at all.

**Sharpe Ratio** - a measure of return per unit of risk. Higher sharpe ratios are preferred while negative ratios are generally meaningless and cannot be used for comparison purposes.

**Standard Deviation** - a measure of the portfolio's volatility. A large standard deviation relative to the benchmark represents volatile portfolio returns.

**Tracking Error** - a measure that reports the difference between the return of a manager that is received and that of a benchmark that the manager is attempting to track.

**Up Capture** - demonstrates the ratio of the portfolio's average returns relative to the benchmark in periods in which the benchmark had a positive return. For instance, an up-capture of 96% indicates that, on average, the portfolio is up 96% when the benchmark is up 100%. Higher portfolio up-capture is preferred.

### Quality Rating Scale

| Moody's Rating | S&P Rating | Prior to 1Q09 | Beginning 1Q09 | Beginning 3Q11 | Moody's Rating | S&P Rating | Prior to 1Q09 | Beginning 1Q09 | Beginning 3Q11 |
|----------------|------------|---------------|----------------|----------------|----------------|------------|---------------|----------------|----------------|
| TSY            | TSY        | 10            | 26             | 24             | Ba2            | BB         | 6             | 13             | 13             |
| AGY            | AGY        | 10            | 25             | 24             | Ba             | BB         |               | 13             | 13             |
| Aaa            | AAA        | 10            | 24             | 24             | MIG4           |            | 6             | 13             | 13             |
| Aa1            | AA+        | 9.3           | 23             | 23             | Ba3            | BB-        | 5.7           | 12             | 12             |
| Aa2            | AA         |               | 22             | 22             | B1             | B+         | 5.3           | 11             | 11             |
| Aa             | AA         | 9             | 22             | 22             | B2             | B          | 5             | 10             | 10             |
| MIG1           |            | 9             | 22             | 22             | B              | B          |               | 10             | 10             |
| Aa3            | AA-        | 8.7           | 21             | 21             | B3             | B-         | 4.7           | 9              | 9              |
| A1             | A+         | 8.3           | 20             | 20             | Caa1           | CCC+       | 4.3           | 8              | 8              |
| A-1            |            |               | 20             | 20             | Caa2           | CCC        | 4             | 7              | 7              |
| A2             | A          | 8             | 19             | 19             | Caa            | CCC        |               | 7              | 7              |
| A              | A          |               | 19             | 19             | Caa3           | CCC-       | 3.7           | 6              | 6              |
| MIG2           |            | 8             | 19             | 19             | Ca             | CC         | 3             | 5              | 5              |
| A3             | A-         |               | 18             | 18             | C              | C          | 2             | 4              | 4              |
| Baa1           | BBB+       | 7.7           | 17             | 17             |                | DDD        | 1             | 3              | 3              |
| Baa2           | BBB        | 7.3           | 16             | 16             |                | DD         |               | 2              | 2              |
| Baa            | BBB        | 7             | 16             | 16             |                | D          |               | 1              | 1              |
| MIG3           |            |               | 16             | 16             | NR             | NR         | N/A           | -1             | -1             |
| Baa3           | BBB-       | 7             | 15             | 15             | NA             | NA         | N/A           |                |                |
| Ba1            | BB+        | 6.7           | 14             | 14             | N/A            | N/A        |               |                |                |

### Total Fund Policy

|            |                                                                                                                |
|------------|----------------------------------------------------------------------------------------------------------------|
| 10/31/1990 | The index consists of 55.0% Russell 3000, 35.0% Barclays US Aggregate, 10.0% MSCI EAFE.                        |
| 06/30/2007 | The index consists of 55.0% Russell 3000, 35.0% Barclays Universal, 10.0% MSCI EAFE.                           |
| 11/30/2007 | The index consists of 55.0% Russell 3000, 10.0% MSCI EAFE, 30.0% Barclays Universal, 5.0% NFI ODCE Net.        |
| 08/31/2012 | The index consists of 65.0% MSCI ACWI, 30.0% Barclays Universal, 5.0% NFI ODCE Net.                            |
| 08/31/2014 | The index consists of 60.0% MSCI ACWI, 30.0% Barclays Universal, 5.0% NFI ODCE Net, 5.0% Bloomberg Commodity.  |
| 04/30/2016 | The index consists of 60.0% MSCI ACWI, 25.0% Barclays Universal, 10.0% NFI ODCE Net, 5.0% Bloomberg Commodity. |