# City of Key West General Employees' Pension Fund

Investment Performance Review September 30, 2016



simplifying your investment and fiduciary decisions

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I am delighted to announce that we will be rebranding our firm early next year to reflect our enduring commitment to true independence and our firm's desire to always put our clients first.

In September of 2000, our founder, Joe Bogdahn, started Bogdahn Consulting, LLC. In an industry dominated by brokerage firms and conflicted service models, he realized early on that only true independence would provide the platform for an institutional consulting firm to offer objective advice and guide clients through an increasingly challenging world. Joe shared his vision with me soon thereafter; I quickly appreciated the power of the independent model and our shared desire to put the client first in every aspect of our business dealings.

As the firm has evolved and grown over the past 16 years, and as we have recruited talented employees and businesses from around the country, this foundation remains the bedrock of what we do and think about every day – always putting our clients' interests first. We are very proud of the service culture we created and continue to foster within our firm.

As an important milestone, we recently transitioned the majority ownership of the firm from our founder to the next generation of leaders. We believe this was a very important step in solidifying our business and ensuring we can continue to serve clients without interruption or disruption in our core servicing philosophy of "clients first". Our employees continue to exemplify a relentless pursuit of serving our clients within an independent structure every day.

The timing of this rebrand corresponds with the expansion of employee ownership and participation, as well as our collective passion of putting clients first in everything we do. While the change will occur early in 2017, we wanted to share this exciting news with you as early as possible. Until then, please contact your consulting team to keep you up to date with developments along the way.

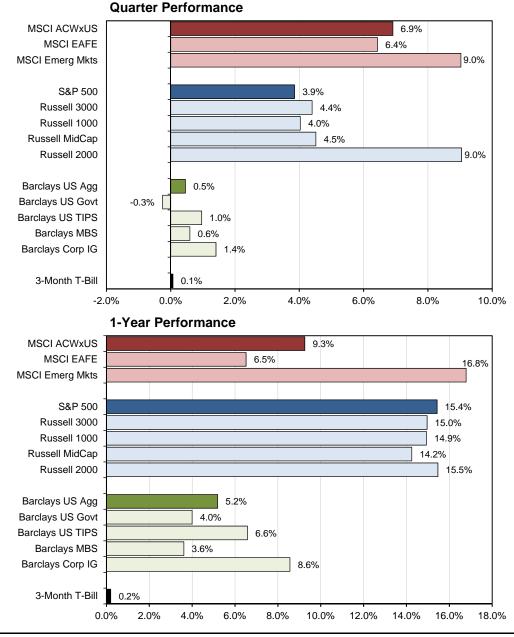
We appreciate your business and the opportunity to serve you. Here, our clients will always be first.

Sincerely,

Mike Welker President/CEO

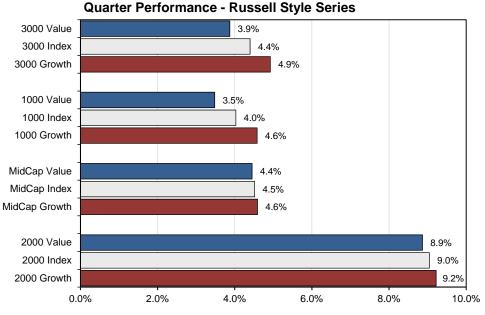


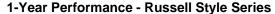
- Asset class returns were broadly positive for the 3rd quarter as global markets continued to rebound from the late June shock caused by the U.K.'s decision to leave the European Union. Investment returns also benefited from continued expansionary global central bank policies as well as general improvement in economic data. Domestic and international equity, particularly small cap and emerging markets, easily outperformed bonds as investor sentiment shifted once again to a "risk-on" posture. Returns for the trailing twelve months illustrated a similar pattern with higher risk assets generally outperforming defensive investments.
- Equity market indices were positive for the 3rd guarter and the 1-year period. Domestic stock market returns represented by the Russell 3000 Index have been solid, returning 4.4% for the 3rd guarter and 15.0% over the trailing year. Within domestic stocks, the small cap index doubled the performance of other domestic indices with a return of 9.0% for the quarter. This strong outperformance for the quarter also elevated the small cap benchmark marginally past the return of domestic equity indices for the 1-year period. Similar to domestic equity results, international equity indices also yielded robust performance for the 3rd quarter. In U.S. Dollar (USD) terms, the MSCI ACWI ex U.S. Index (net) appreciated 6.9% for the guarter and 9.3% over the last year. The Emerging market index posted its third straight quarter of outperformance relative to developed market MSCI-EAFE Index (net). The MSCI Emerging Market Index (net) posted returns of 9.0% and 16.8%, respective, for the 3rd guarter and 1year period versus returns of 6.4% and 6.5% for the MSCI EAFE Index (net).
- Despite a brief drop in yields at the start of the 3rd quarter, the U.S. Treasury yield curve moved higher as interest rates rose moderately across the maturity spectrum. This upward shift in the yield curve caused U.S. Government bonds to post negative returns for the quarter. In contrast, the investment grade corporate and mortgage-backed bond components of the Aggregate benchmark managed to post positive performance for the quarter. Investment grade corporate issues benefited from increased demand for yield, which led to tightening credit spreads throughout the quarter, particularly in lower credit quality issues.

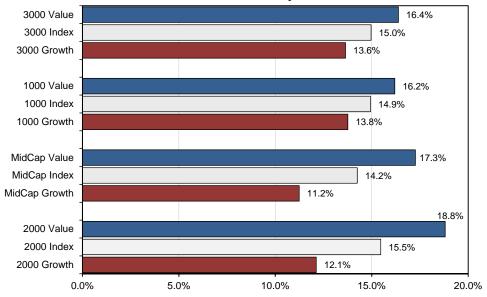




- U.S. equity index returns were positive across the style and capitalization spectrum during the 3rd quarter. The enthusiasm from generally better than expected 2nd quarter earnings and positive macroeconomic data early in the quarter were tempered by rising expectations the U.S. Federal Reserve (Fed) would tighten monetary policy by increasing short-term interest rates in September. While the Fed ultimately decided to leave short-term interest rates unchanged, Fed Chair Janet Yellen provided guidance that the case for a rate increase had been "strengthened", increasing the odds of a rate hike before the end of the year, but likely not until after the November election cycle.
- Growth stocks marginally outpaced value stocks across the capitalization spectrum for the 3rd quarter, reversing the trend of value outperformance for the first half of 2016. Growth index results were led by investors seeking the potential return premium associated with faster growing companies. Growth index performance also benefited from larger weights to Information Technology, the best performing economic sector for the 3rd quarter. As with the core indices, small cap style benchmarks were the best performers across the capitalization spectrum, doubling their mid and large cap counterparts. Despite a strong 3rd quarter for growth indices, the style-based performance reverses over the 1-year period with the more defensive value indices outpacing growth indices across the capitalization spectrum.
- From a valuation perspective, equity valuations appear stretched relative to historical levels based on their forward Price/Earnings ratios (P/E). Even the most attractively valued indices are trading modestly above their historical valuation averages. The large and mid cap growth indices trade at valuations near their respective historical average, while the remaining indices range between 106% and 114% of their 15-year averages.





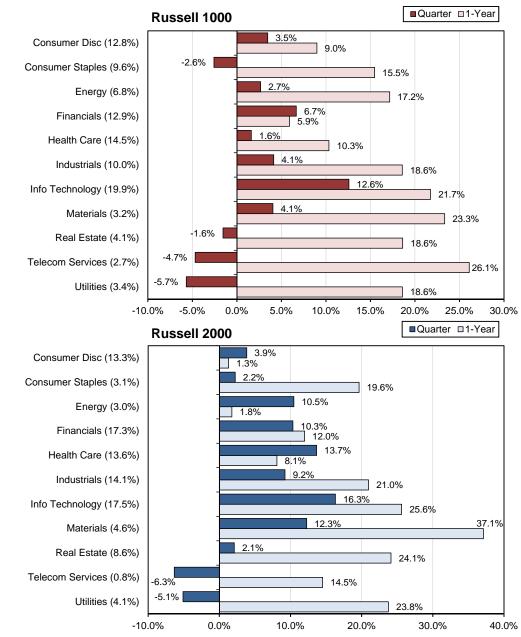




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- Large cap sector performance was polarizing for the 3rd quarter with a performance span of 18.3% between the best and worst performing sectors. Seven of eleven sectors within the Russell 1000 Index posting gains for the period but only four economic sectors outpaced the 4.0% return of the broad Russell 1000 index. The Information Technology sector was the guarter's best performer. The sector's return of 12.6% was supported by a strong earnings season. Financial securities also performed notably well, returning 6.7%, as market participants considered the heightened possibility of a near-term interest rate hike. The prospect of higher interest rates represented a headwind to more defensive sectors, reversing a trend of outperformance in the Utilities, Real Estate, Telecommunications and Consumers Staples sectors. Utilities were the worst performers, returning -5.7% for the guarter. Sector performance over the 1-year period has been remarkably solid with all eleven economic sectors posting positive results, and nine posting double-digit returns. Despite its negative performance for the 3rd quarter, the Telecommunications sector was the best performer over the 1-year period with a return of 26.1%. Financial stocks have struggled relative to other sectors over the 1-year period as the persistent low interest rate environment continues to inhibit bank profits.
- Small cap sector performance was generally positive for the 3rd quarter with nine of eleven sectors advancing. However, much like large cap sector results, the performance span between the best and worst performing sectors was a large 22.6% for the period. While the trends observable in the large cap index generally persisted in the small cap benchmark, small cap sector performance outpaced the respective large cap sector result in ten of eleven sectors. Also similar to large cap issues, higher yielding, defensive sectors lagged the more cyclical, economically sensitive sectors. Over the 1-year period, higher dividend paying Real Estate, Utilities and Telecommunications sectors posted double-digit performance despite their relatively weak 3rd quarter results. Although positive, the Consumer Discretionary and Energy sectors lagged over the 1-year period returning 1.3% and 1.8% respectively.
- Using the S&P 500 as a proxy, forward P/E ratios for six GICS sectors were below their long-term (20-year) averages at quarter-end. The Information Technology and Telecommunications sectors were trading at the largest discount to their long-term average P/E ratios. In contrast, Energy and Utilities sector valuations were the most extended relative to their historical P/E ratios.



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

Top 10 Weighted Stocks

Return

28.5%

34.4%

5.7%

8.1%

-3.2%

-1.8%

16.3%

10.3%

71.3%

-2.8%

Weight

0.27%

0.26%

0.23%

0.23%

0.23%

0.22%

0.22%

0.22%

0.22%

0.22%

1-Year

Return

27.9%

301.7%

54.8%

46.7%

24.4%

42.7%

23.4%

47.6%

16.6%

18.8%

Sector

Real Estate

Industrials

Real Estate

Health Care

Utilities

Utilities

Information Technology

Information Technology

Information Technology

Information Technology

As of September 30, 2016

	Top 10 W	eighted Stoo	:ks	
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector
Apple Inc	2.96%	18.9%	4.7%	Information Technology
Microsoft Corp	2.08%	13.3%	33.7%	Information Technology
Exxon Mobil Corp	1.74%	-6.1%	21.6%	Energy
Amazon.com Inc	1.56%	17.0%	63.6%	Consumer Discretionary
Johnson & Johnson	1.55%	-2.0%	30.2%	Health Care
Facebook Inc A	1.38%	12.2%	42.7%	Information Technology
Berkshire Hathaway Inc B	1.31%	-0.2%	10.8%	Financials
General Electric Co	1.30%	-5.2%	21.1%	Industrials
AT&T Inc	1.20%	-5.0%	31.2%	Telecommunication Services
JPMorgan Chase & Co	1.16%	8.0%	12.5%	Financials

JPMorgan Chase & Co	1.16%	8.0%	12.5%	Financials	Portland General Electric Co
Тор	10 Performir	ng Stocks (by	y Quarter)		
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector	Russell 2000
Puma Biotechnology Inc	0.00%	125.1%	-11.0%	Health Care	Seventy Seven Energy Inc
The Chemours Co	0.00%	94.7%	151.1%	Materials	Sarepta Therapeutics Inc
Genworth Financial Inc	0.00%	92.2%	7.4%	Financials	Tobira Therapeutics Inc
Lumentum Holdings Inc	0.00%	72.6%	146.4%	Information Technology	Clayton Williams Energy Inc
Copa Holdings SA Class A	0.01%	69.3%	118.4%	Industrials	Ultra Petroleum Corp
Groupon Inc	0.01%	58.5%	58.0%	Consumer Discretionary	Cloud Peak Energy Inc
Ionis Pharmaceuticals Inc	0.02%	57.3%	-9.4%	Health Care	Clovis Oncology Inc
bluebird bio Inc	0.00%	56.6%	-20.8%	Health Care	Acacia Communications Inc
GoPro Inc A	0.00%	54.3%	-46.6%	Consumer Discretionary	Abeona Therapeutics Inc
Penske Automotive Group Inc	0.01%	54.2%	2.3%	Consumer Discretionary	Healthways Inc

Тор	10 Performi	n <mark>g Stocks (b</mark> y	/ Quarter)	
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector
Seventy Seven Energy Inc	0.00%	20366.9%	1265.9%	Energy
Sarepta Therapeutics Inc	0.15%	222.0%	91.2%	Health Care
Tobira Therapeutics Inc	0.02%	216.4%	311.4%	Health Care
Clayton Williams Energy Inc	0.03%	211.1%	120.1%	Energy
Ultra Petroleum Corp	0.00%	184.6%	-21.6%	Energy
Cloud Peak Energy Inc	0.00%	164.1%	106.8%	Energy
Clovis Oncology Inc	0.07%	162.8%	-60.8%	Health Care
Acacia Communications Inc	0.03%	158.6%	N/A	Information Technology
Abeona Therapeutics Inc	0.00%	154.2%	48.1%	Health Care
Healthways Inc	0.05%	129.1%	137.9%	Health Care

Botto	m 10 Perforn	n <b>ing Stocks</b> (	(by Quarter)	
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector
SunEdison Inc	0.00%	-64.5%	-99.3%	Information Technology
Corrections Corp of America	0.01%	-58.8%	-48.6%	Real Estate
SunPower Corp	0.00%	-42.4%	-55.5%	Information Technology
Quorum Health Corp	0.00%	-41.5%	N/A	Health Care
The Hain Celestial Group Inc	0.02%	-28.5%	-31.0%	Consumer Staples
Diamond Offshore Drilling Inc	0.01%	-27.6%	2.4%	Energy
Bristol-Myers Squibb Company	0.43%	-26.7%	-7.4%	Health Care
Tractor Supply Co	0.04%	-25.9%	-19.3%	Consumer Discretionary
Dollar General Corp	0.09%	-25.3%	-2.2%	Consumer Discretionary
NRG Energy Inc	0.02%	-25.1%	-22.2%	Utilities

Bottom 10 Performing Stocks (by Quarter)							
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector			
Horsehead Holding Corp	0.00%	-93.8%	-99.4%	Materials			
Fairway Group Holdings Corp A	0.00%	-89.2%	-99.3%	Consumer Staples			
Key Energy Services Inc	0.00%	-82.1%	-91.2%	Energy			
Violin Memory Inc	0.00%	-80.2%	-86.8%	Information Technology			
Code Rebel Corp	0.00%	-80.0%	-99.9%	Information Technology			
CytRx Corp	0.00%	-73.6%	-75.2%	Health Care			
Tokai Pharmaceuticals Inc	0.00%	-72.2%	-85.2%	Health Care			
Novavax Inc	0.03%	-71.4%	-70.6%	Health Care			
6D Global Technologies Inc	0.00%	-66.7%	-98.3%	Information Technology			
Intra-Cellular Therapies Inc	0.03%	-60.7%	-61.9%	Health Care			



Russell 2000

Microsemi Corp

Gramercy Ppty Tr

Idacorp Inc

Curtiss-Wright Corp

Aspen Technology Inc

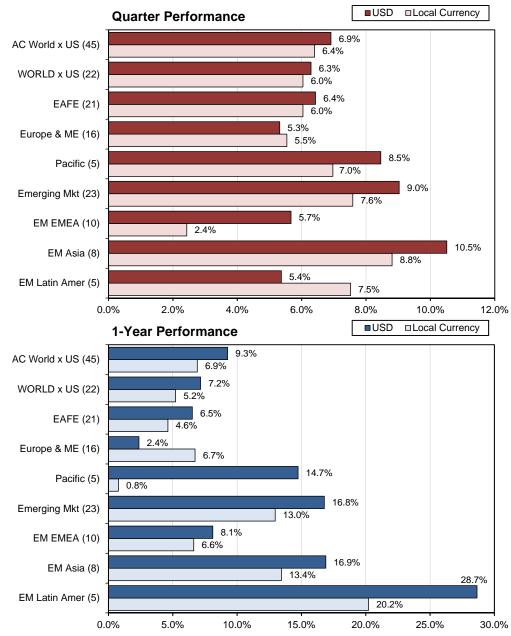
Fair Isaac Corp

Cepheid

Advanced Micro Devices Inc

Healthcare Realty Trust Inc

- Similar to domestic equity benchmarks, the 3rd quarter was largely positive for international equities with developed and emerging market indices posting solid returns in both USD and local currency terms. The currency impact on returns was mixed during the quarter and the performance differential was more muted than recent quarters. Similar to the 3rd quarter, results for the 1-year period were also broadly positive in both USD and local currency.
- European stocks bounced back during the 3rd quarter as markets recovered from the immediate negative assessment of the U.K.'s vote to leave the European Union. Although the impact of the referendum will likely have economic consequences, they are not near-term in nature. While European Central Bank (ECB) President Mario Draghi signaled that further monetary policy stimulus would be available if needed, the ECB, supported by generally positive economic data in the region, left monetary policy unchanged through the quarter. U.K. economic data also surprised to the upside through the quarter as the Bank of England (BoE) launched a series of expansionary monetary policy measures and Theresa May became prime minister following the resignation of David Cameron.
- Japanese equities rose sharply through the quarter, gaining 8.6%, as elections within Japan's House of Councilors strengthened the position of Prime Minister Abe. The result of the elections made way for the announcement of a \$28 trillion Yen fiscal stimulus package. In addition, the Bank of Japan (BoJ) increased the scale of its ETF purchasing program from \$3.3 trillion Yen to \$6 trillion Yen annually, and while it left interest rates unchanged, the BoJ placed a 0.0% ceiling on 10-year government bond yields and planned to reduce ongoing purchases of ultra-long Government bonds in an effort to influence the shape of their yield curve.
- Broad emerging market indices were positive throughout the quarter, outperforming their developed market counterparts. Asian markets, led by China, South Korea, and Taiwan were the best performers for the 3rd quarter in both USD and local currency terms. Over the trailing 1-year period, Latin America was the best performing region returning 28.7% in USD terms and 20.2% on a local currency basis as the region benefited from political tailwinds in Brazil and rising commodity prices. Russia, Egypt, and Indonesia were also notable positive performers over the period. Emerging European countries were laggards relative to emerging peers in Asia and Latin America.





The Market Environment
U.S. Dollar International Index Attribution & Country Detail
As of September 30, 2016

MSCI - EAFE	Sector Weight	Quarter Return	1-Year Return
Consumer Discretionary	12.2%	10.9%	2.6%
Consumer Staples	12.8%	1.9%	13.9%
Energy	4.8%	-1.5%	15.6%
Financials	19.2%	11.0%	-6.7%
Health Care	11.4%	-2.4%	0.8%
Industrials	14.1%	8.6%	15.8%
Information Technology	5.5%	14.8%	18.1%
Materials	7.5%	15.8%	21.6%
Real Estate	4.0%	4.9%	12.4%
Telecommunication Services	4.8%	-0.4%	6.0%
Utilities	3.7%	0.1%	4.3%
Total	100.0%	6.4%	6.5%

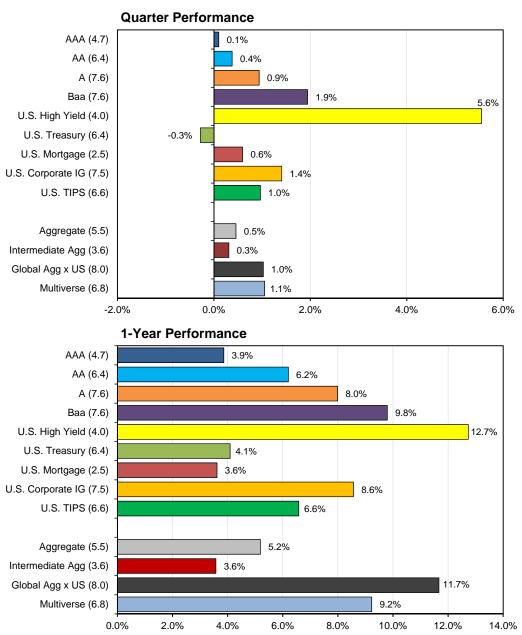
MSCI - ACWIXUS	Sector Weight	Quarter Return	1-Year Return
Consumer Discretionary	11.4%	5.8%	4.8%
Consumer Staples	11.1%	-0.7%	13.2%
Energy	6.6%	2.1%	20.5%
Financials	21.6%	10.1%	0.1%
Health Care	8.6%	0.1%	-2.2%
Industrials	11.7%	5.8%	13.8%
Information Technology	9.6%	15.6%	26.2%
Materials	7.5%	9.1%	24.8%
Real Estate	3.5%	4.9%	13.0%
Telecommunication Services	4.9%	2.0%	5.3%
Utilities	3.4%	2.6%	5.5%
Total	100.0%	6.9%	9.3%

MSCI - Emerging Mkt	Sector Weight	Quarter Return	1-Year Return
Consumer Discretionary	10.6%	9.6%	13.9%
Consumer Staples	7.9%	1.2%	10.1%
Energy	7.3%	8.0%	26.2%
Financials	23.7%	11.5%	14.6%
Health Care	2.6%	2.3%	4.5%
Industrials	5.9%	4.9%	1.2%
Information Technology	23.9%	16.1%	32.7%
Materials	6.4%	10.2%	23.7%
Real Estate	2.7%	7.7%	15.5%
Telecommunication Services	6.1%	2.2%	2.2%
Utilities	2.9%	0.9%	9.3%
Total	100.0%	9.0%	16.8%

	MSCI-EAFE	MSCI-ACWIxUS	Quarter	1- Year
Country	Weight	Weight	Return	Return
Japan	23.8%	16.7%	8.6%	12.1%
United Kingdom	18.9%	13.2%	4.0%	1.5%
France	9.7%	6.8%	6.4%	3.6%
Germany	9.0%	6.3%	10.0%	9.1%
Switzerland	9.0%	6.3%	2.6%	1.0%
Australia	7.3%	5.1%	7.9%	21.7%
Hong Kong	3.5%	2.5%	11.9%	19.1%
Netherlands	3.4%	2.4%	9.1%	10.4%
Spain	3.0%	2.1%	9.3%	-5.7%
Sweden	2.8%	2.0%	7.5%	3.9%
Italy	1.9%	1.3%	2.2%	-21.0%
Denmark	1.8%	1.2%	-6.3%	-1.5%
Belgium	1.4%	1.0%	5.0%	19.1%
Singapore	1.3%	0.9%	-0.2%	9.7%
Finland	1.0%	0.9%	-0.2%	9.7%
Israel	0.7%	0.7%	-2.0%	9.3%
Israel Norway	0.7%	0.5%	6.3%	-7.7%
Ireland	0.6%		6.3% 7.4%	-0.7%
		0.3%		
New Zealand	0.2%	0.1%	12.4%	56.9%
Austria	0.2%	0.1%	16.7%	11.6%
Portugal	0.2%	0.1%	6.3%	11.2%
Total EAFE Countries	100.0%	70.1%	6.4%	6.5%
Canada		6.7%	4.9%	14.5%
Total Developed Countries		76.9%	6.3%	7.2%
China		6.2%	13.9%	13.0%
Korea		3.4%	11.0%	21.5%
Taiwan		2.8%	11.7%	22.7%
India		2.0%	5.9%	6.1%
Brazil		1.7%	11.3%	57.6%
South Africa		1.7%	6.3%	9.9%
Mexico		0.9%	-2.2%	-2.5%
Russia		0.9%	8.4%	25.2%
Indonesia		0.6%	9.5%	53.2%
Malaysia		0.6%	-1.5%	13.2%
Thailand		0.5%	7.2%	20.9%
Philippines		0.3%	-5.3%	6.6%
Turkey		0.3%	-5.3%	5.8%
Chile		0.3%	-1.7%	11.8%
Poland		0.3%	3.1%	-15.7%
Qatar		0.2%	6.9%	-5.2%
United Arab Emirates		0.2%	6.1%	0.7%
Colombia		0.1%	2.8%	17.3%
Peru		0.1%	1.1%	39.5%
Greece		0.1%	1.0%	-38.3%
Hungary		0.1%	10.8%	38.0%
Egypt		0.0%	21.6%	6.4%
Czech Republic		0.0%	-0.4%	-12.8%
Total Emerging Countries		23.2%	9.0%	16.8%
Total ACWIxUS Countries		100.0%	6.9%	9.3%

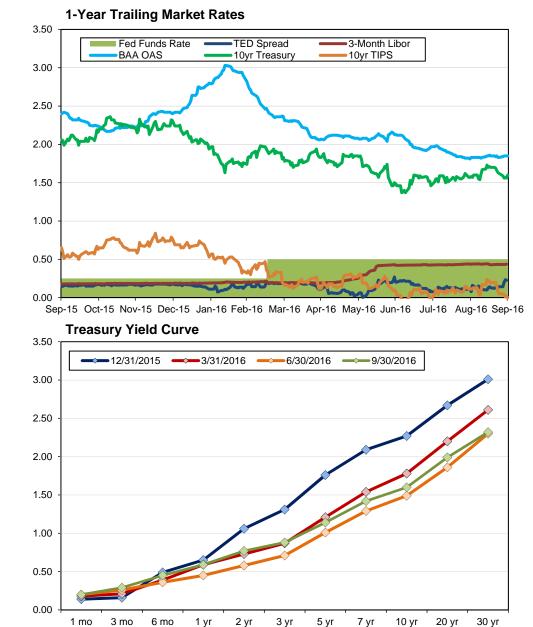


- Despite historically low yields, fixed income indices continued their strong 2016 performance through the 3rd quarter of the year. The initial downward yield shock caused by June's "Brexit" vote wore off quickly and bond market volatility remained relatively low through the remainder of the quarter. Improving economic data in the U.S. led investors to price in greater likelihood of a rate increase at the Fed's September meeting. This expectation caused interest rates to creep up across the yield curve, especially at the short end of the curve. While Fed Chair Janet Yellen relayed a generally positive view of the U.S. economy, the Federal Open Market Committee voted to keep interest rates stable for the time being. However, three of the ten voting committee members were in favor of a rate increase. Although an interest rate hike is not likely until after the November elections, there is certainly a reasonable expectation for a rate hike before year end.
- The yield curve rose over the 3rd quarter with short-term interest rates rising to a greater degree than long-term interest rates. This curve "flattening" represented a headwind to shorter duration market indices. Despite rising interest rates, U.S. investment grade bond indices posted gains for the 3rd quarter. Investment grade corporates benefited from tightening interest rate credit spreads as investors became more comfortable taking on risk for the prospect of greater return. In contrast, the Bloomberg Barclays U.S. Treasury Index finished the quarter in the red due to its relatively high duration and low yield. The broad market Bloomberg Barclays Aggregate Index posted a return between the Treasury and Investment Grade indices with a return of 0.5% for the 3rd quarter. Returns over the 1-year period follow the same general trend as 3rd quarter results with the Bloomberg Barclays U.S. Corporate IG Index returning a strong 8.6% for the period.
- Lower credit quality issues outperformed higher quality securities during the 3rd quarter. Baa rated securities returned 1.9% versus a return of 0.1% for AAA issues due to the compression of interest rate credit spreads throughout the quarter. Spread compression was more prominent, and thus more beneficial, within lower credit qualities. The Bloomberg Barclays U.S. Corporate High Yield Index gained an impressive 5.6% for the quarter and 12.7% for the trailing 1-year period.



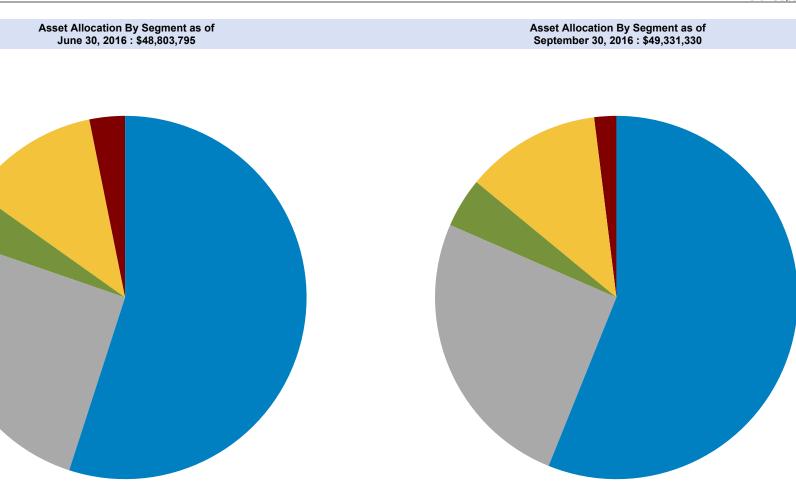


- U.S. TIPS finished the 3rd quarter with a return of 1.0%. The quarter's return can be attributed to a modest decline in yields at the longer end of the TIPS yield curve as well as an increase in the CPI All Urban Index from April to July. The TIPS return for the trailing 1-year period is a solid 6.6%.
- In USD terms, international fixed income indices posted gains for both the 3rd quarter and 1-year period. Despite relatively low interest rates in international markets, with several government issues trading at negative yields, the Bloomberg Barclays Global Aggregate ex U.S. Index returned 1.0% for the quarter and strong 11.7% over the 1-year period. This performance outpaced all domestic indices except the Bloomberg Barclays U.S. Corporate High Yield Index's return of 12.7% over the last twelve months.
- Some of factors supporting the index performance detailed in the bar graphs on the previous page is visible on a time series basis in the line graphs on the right. The '1-Year Trailing Market Rates' chart illustrates that the 10-year Treasury yield (green line), after initially falling on the "Brexit" vote, rose over the remainder of the quarter. The blue line illustrates changes in the BAA OAS (Option Adjusted Spread), which quantifies the additional yield premium that investors require to purchase and hold non-Treasury issues. When credit spreads tighten (widen), i.e., the line is falling, it is equivalent to an interest rate decrease (increase)for corporate bonds, which boosts returns. This spread has consistently fallen since the beginning of 2016 and is now near its lowest point of the calendar year. While there was upside momentum in credit spreads early in 2016, they have narrowed by more than 1% since their high on February 11th. The lower graph provides a snapshot of the U.S. Treasury yield curve at each of the last four calendar guarters. While Treasury issues ended the 3rd guarter slightly higher than the prior guarter, long-term rates remain near their lowest levels in the past twelve months while short-term rates are at the high end of their twelve month range.
- The Fed has stated future rate increases would be implemented at a measured pace and with an ongoing assessment of current economic data. Despite this domestic policy assertion, geopolitical events and non-U.S. stimulus programs are likely to keep demand for U.S. Treasury issues elevated and exert significant downward pressure on how high domestic interest rates will rise in the short-term.





Asset Allocation Summary Total Fund As of September 30, 2016



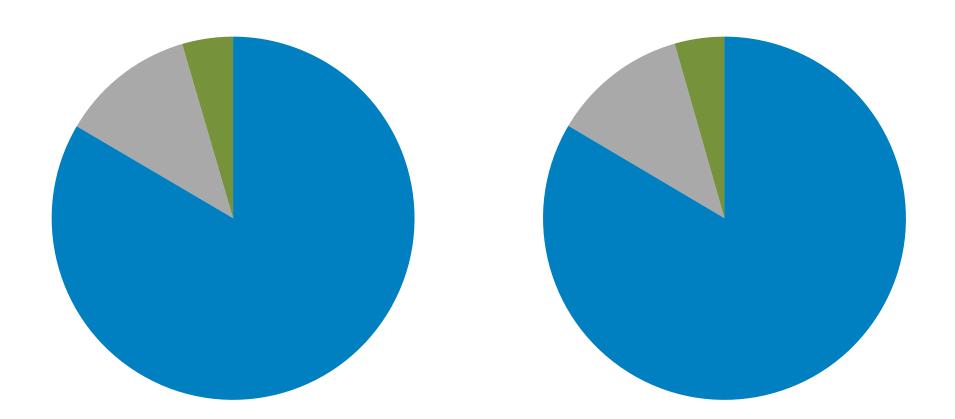
Allocation			Allocation		
Segments	Market Value	Allocation	Segments	Market Value	Allocation
Equity	26,836,130	55.0	Equity	27,677,500	56.1
Domestic Fixed Income	12,343,290	25.3	Domestic Fixed Income	12,541,712	25.4
Global Fixed Income	2,214,167	4.5	Global Fixed Income	2,186,008	4.4
Real Estate	5,861,664	12.0	Real Estate	5,952,584	12.1
Cash Equivalent	1,548,545	3.2	Cash Equivalent	973,527	2.0



Asset Allocation Summary Total Fund As of September 30, 2016

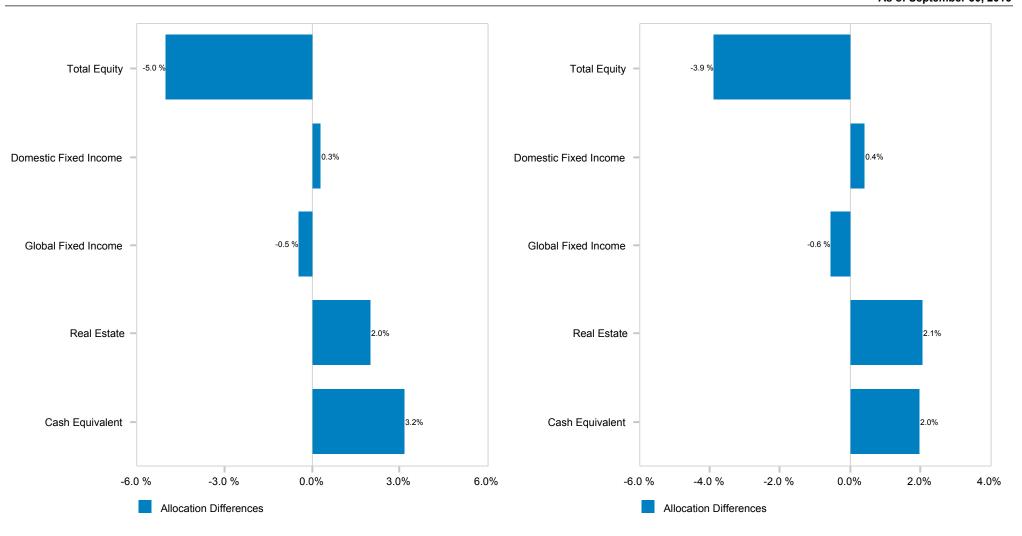
Asset Allocation By Manager as of September 30, 2016 : \$49,331,330

Asset Allocation By Manager as of June 30, 2016 : \$48,803,795



Allocation			Allocation		
	Market Value	Allocation		Market Value	Allocation
Highland Capital	40,727,965	83.5	Highland Capital	41,192,738	83.5
American Core Realty Fund	5,861,664	12.0	American Core Realty Fund	5,952,584	12.1
Templeton Global	2,214,167	4.5	Templeton Global	2,186,008	4.4





As of June 30, 2016								
Market Value \$	Allocation (%)							

**Total Equity** 

Real Estate

Total Fund

Cash Equivalent

**Domestic Fixed Income** 

**Global Fixed Income** 

26,836,130 55.0 60.0 **Total Equity** 27,677,500 56.1 60.0 12,343,290 25.3 25.0 **Domestic Fixed Income** 12,541,712 25.4 25.0 2,214,167 4.5 5.0 **Global Fixed Income** 2,186,008 4.4 5.0 5,861,664 12.0 10.0 Real Estate 5,952,584 12.1 10.0 1,548,545 3.2 0.0 Cash Equivalent 973,527 2.0 0.0 48,803,795 100.0 100.0 Total Fund 49,331,330 100.0 100.0 THE

As of September 30, 2016

Allocation (%)

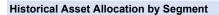
Market Value

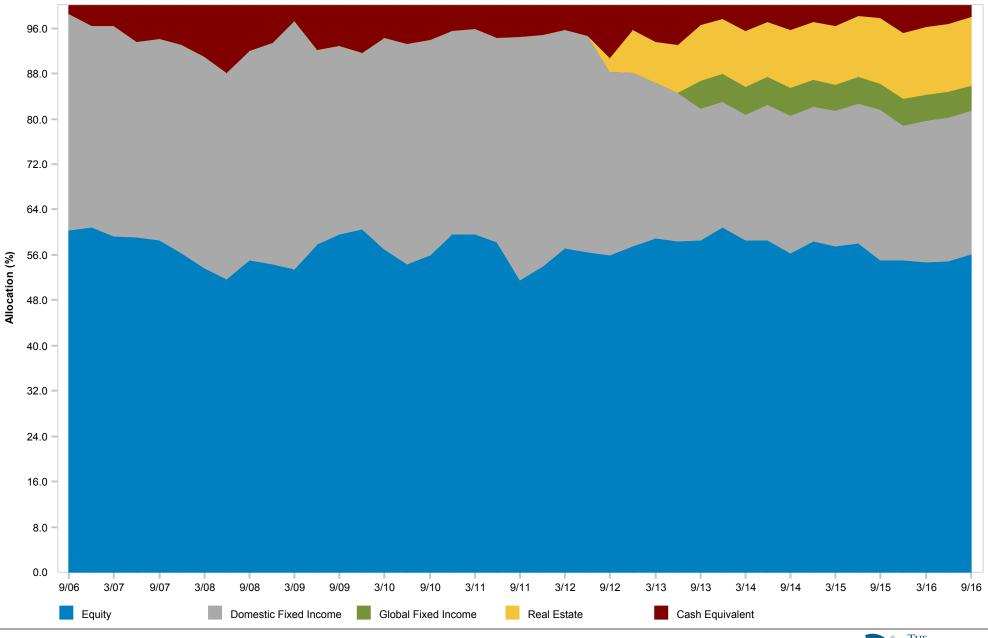
\$



Target (%)

Target (%)







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Financial Reconciliation Qua	arter to Date								
	Market Value 07/01/2016	Net Transfers	Contributions	Distributions	Management Fees	Other Expenses	Income	Apprec./ Deprec.	Market Value 09/30/2016
Highland Capital	40,727,965	-199	362,139	-942,952	-40,336	-54,980	244,932	896,170	41,192,738
Templeton Global	2,214,167	-	-	-	-	-	13,150	-41,310	2,186,008
American Core Realty Fund	5,861,664	-	-	-	-16,416	-	87,912	19,424	5,952,584
Mutual Fund Cash	-	199	-	-	-	-199	-	-	-
Total Fund	48,803,795	-	362,139	-942,952	-56,752	-55,179	345,995	874,284	49,331,330

Financial Reconciliation Fisc	cal Year to Date								
	Market Value 10/01/2015	Net Transfers	Contributions	Distributions	Management Fees	Other Expenses	Income	Apprec./ Deprec.	Market Value 09/30/2016
Highland Capital	39,524,089	-795	1,534,403	-2,754,367	-162,281	-154,369	959,854	2,246,204	41,192,738
Templeton Global	2,171,312	-	-	-	-	-	65,528	-50,833	2,186,008
American Core Realty Fund	5,519,795	-	-	-	-64,283	-	342,632	154,440	5,952,584
Mutual Fund Cash	-	795	-	-	-	-795	-	-	-
Total Fund	47,215,196	-	1,534,403	-2,754,367	-226,565	-155,164	1,368,015	2,349,811	49,331,330



Comparative Performance Trailing Returns													
	QT	R	FY	TD	D 1 YR		3 YR		5 YR		Inception		Inception Date
Total Fund (Net)	2.39		7.49		7.49		6.15		9.13		6.51		01/01/1998
Total Fund Policy	3.37		11.23		11.23		7.35		10.21		6.28		
Total Fund (Gross)	2.51	(86)	7.99	(83)	7.99	(83)	6.64	(32)	9.60	(52)	6.90	(15)	01/01/1998
Total Fund Policy	3.37	(52)	11.23	(9)	11.23	(9)	7.35	(7)	10.21	(29)	6.28	(50)	
All Public Plans-Total Fund Median	3.41		9.62		9.62		6.18		9.62		6.25		
Highland Capital Equity (Gross)	3.82	(74)	9.30	(70)	9.30	(70)	7.51	(62)	13.50	(75)	7.76	(78)	01/01/1998
Total Equity Policy	5.05	(47)	13.68	(34)	13.68	(34)	8.29	(58)	14.28	(71)		(100)	
IM U.S. All Cap Core Equity (SA+CF) Median	4.94		11.20		11.20		8.74		15.69		8.34		
Highland Capital Fixed (Gross)	0.89	(29)	7.00	(8)	7.00	(8)	4.36	(47)	3.45	(66)	5.05	(99)	01/01/1998
Total Fixed Policy	0.46	(77)	5.19	(79)	5.19	(79)	3.99	(86)	3.05	(93)	5.36	(86)	
IM U.S. Broad Market Core Fixed Income (SA+CF) Median	0.68		5.62		5.62		4.31		3.66		5.66		
Templeton Global	-1.27	(100)	0.68	(100)	0.68	(100)	-0.39	(98)	N/A		-0.06	(96)	08/01/2013
Citigroup World Government Bond Index	0.30	(95)	9.71	(13)	9.71	(13)	1.78	(65)	0.77	(88)	2.17	(58)	
IM Global Fixed Income (MF) Median	1.48		7.09		7.09		2.34		2.59		2.37		
American Core Realty Fund	1.83	(73)	9.04	(95)	9.04	(95)	11.82	(78)	N/A		11.86	(77)	07/01/2012
NCREIF Fund Index-Open End Diversified Core (EW)	2.18	(40)	10.62	(63)	10.62	(63)	12.56	(60)	12.38	(67)	12.49	(65)	
IM U.S. Open End Private Real Estate (SA+CF) Median	2.06		10.89		10.89		12.83		12.79		12.87		



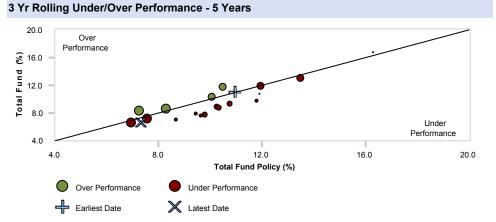
	Oct-2015 To Sep-2016	Oct-2 To Sep-2	)	Oct-2 To Sep-2	)	Oct-2012 To Sep-2013	Oct-2 To Sep-2	)	Oct-2 To Sep-2	5	Oct-2 To Sep-2	)	Oct-2 To Sep-2	5
Total Fund (Net)	7.49	1.11		10.06		12.76	14.76		-1.76		8.90		7.81	
Total Fund Policy	11.23	0.03		11.18		10.98	18.44		2.01		9.17		1.86	
Total Fund (Gross)	7.99 (83)	1.48	(11)	10.65	(39)	13.18 (38)	15.22	(86)	-1.21	(81)	9.23	(71)	8.14	(4)
Total Fund Policy	11.23 (9)	0.03	(35)	11.18	(26)	10.98 (77)	18.44	(37)	2.01	(15)	9.17	(73)	1.86	(48)
All Public Plans-Total Fund Median	9.62	-0.54		10.17		12.50	17.94		0.22		9.92		1.59	
Highland Capital Equity (Gross)	9.30 (70)	-0.41	(46)	14.17	(68)	23.16 (61)	23.08	(78)	-6.76	(99)	10.14	(61)	4.38	(10)
Total Equity Policy	13.68 (34)	-3.37	(80)	15.61	(59)	20.14 (84)	27.76	(48)	-0.40	(62)	9.23	(77)	-5.31	(44)
IM U.S. All Cap Core Equity (SA+CF) Median	11.20	-1.20		16.14		24.14	27.52		1.01		10.90		-5.85	
Highland Capital Fixed (Gross)	7.00 (8)	2.18	(87)	3.95	(80)	-2.75 (100)	7.18	(39)	5.29	(47)	8.31	(81)	12.15	(54)
Total Fixed Policy	5.19 (79)	2.94	(59)	3.85	(87)	-1.86 (89)	5.28	(87)	5.23	(53)	8.00	(90)	10.60	(81)
IM U.S. Broad Market Core Fixed Income (SA+CF) Median	5.62	3.02		4.49		-1.26	6.60		5.25		9.26		12.28	
Templeton Global	0.68 (100)	-7.69	(91)	6.34	(12)	N/A	N/A		N/A		N/A		N/A	
Citigroup World Government Bond Index	9.71 (13)	-3.83	(53)	-0.07	(97)	-4.60 (85)	3.29	(97)	4.61	(9)	4.99	(95)	13.78	(49)
IM Global Fixed Income (MF) Median	7.09	-3.74		3.62		-1.52	7.30		1.67		7.85		13.54	
American Core Realty Fund	9.04 (95)	13.98	(68)	12.49	(66)	12.27 (72)	N/A		N/A		N/A		N/A	
NCREIF Fund Index-Open End Diversified Core (EW)	10.62 (63)	14.71	(64)	12.39	(70)	12.47 (69)	11.77	(66)	18.03	(41)	6.14	(52)	-36.09	(54)
IM U.S. Open End Private Real Estate (SA+CF) Median	10.89	15.93		12.90		13.22	12.90		16.62		6.39		-34.80	



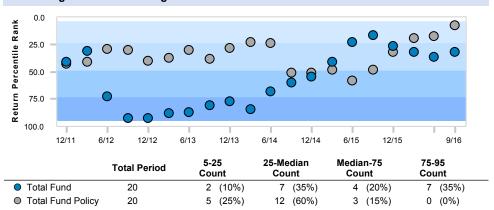




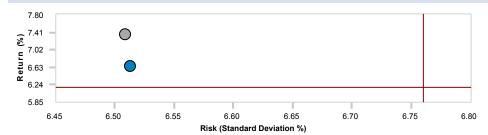
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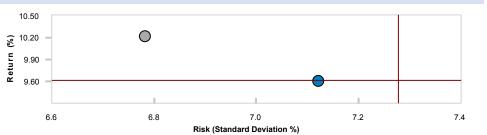
#### 3 Yr Rolling Percentile Ranking - 5 Years



#### Peer Group Scattergram - 3 Years



#### Peer Group Scattergram - 5 Years

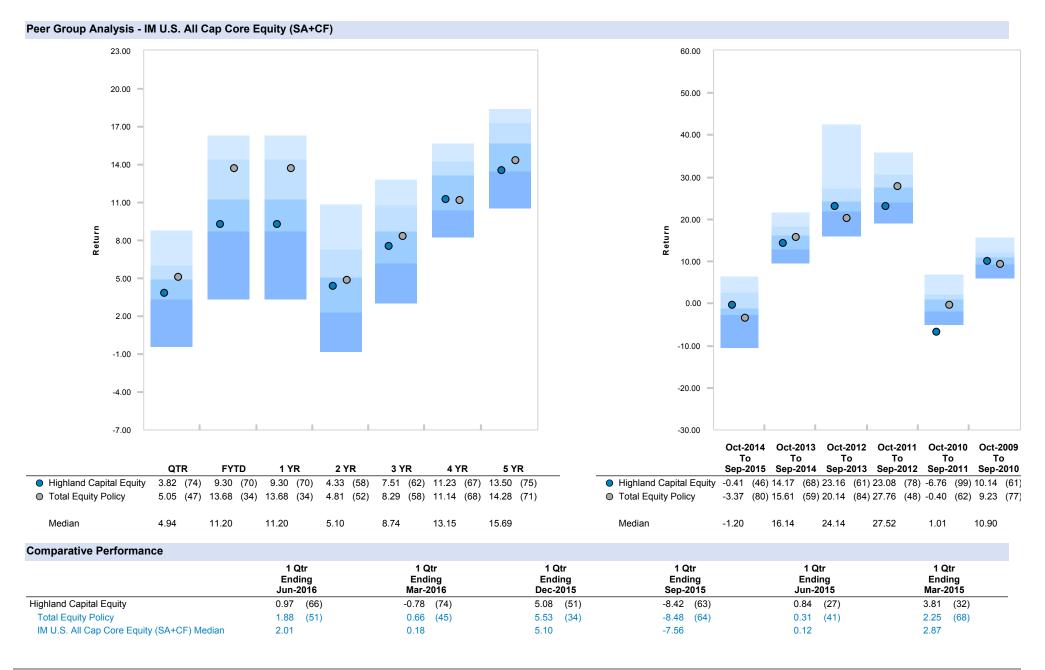


	Return	Standard Deviation		Return	Standard Deviation
Total Fund	6.64	6.51	Total Fund	9.60	7.12
Total Fund Policy	7.35	6.51	Total Fund Policy	10.21	6.78
Median	6.17	6.76	Median	9.62	7.28

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Total Fund	1.48	94.18	98.65	-0.48	-0.45	1.01	0.97	3.76
Total Fund Policy	0.00	100.00	100.00	0.00	N/A	1.11	1.00	3.49
Historical Statistics	- 5 Years							

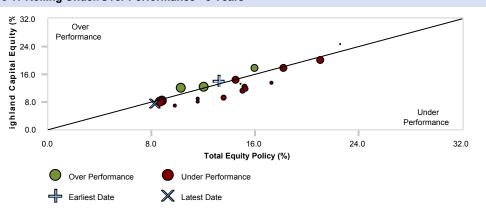
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Total Fund	2.12	97.08	102.06	-0.56	-0.26	1.32	1.00	3.68
Total Fund Policy	0.00	100.00	100.00	0.00	N/A	1.46	1.00	3.39





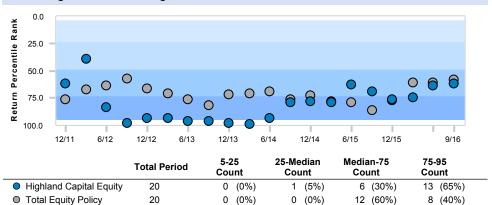


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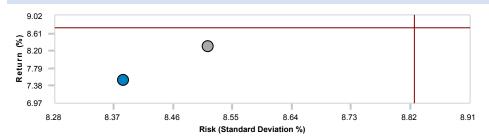


#### 3 Yr Rolling Under/Over Performance - 5 Years

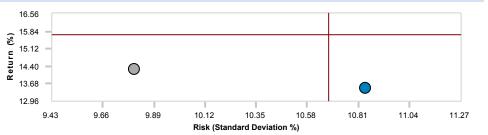
#### 3 Yr Rolling Percentile Ranking - 5 Years



# Peer Group Scattergram - 3 Years



#### Peer Group Scattergram - 5 Years

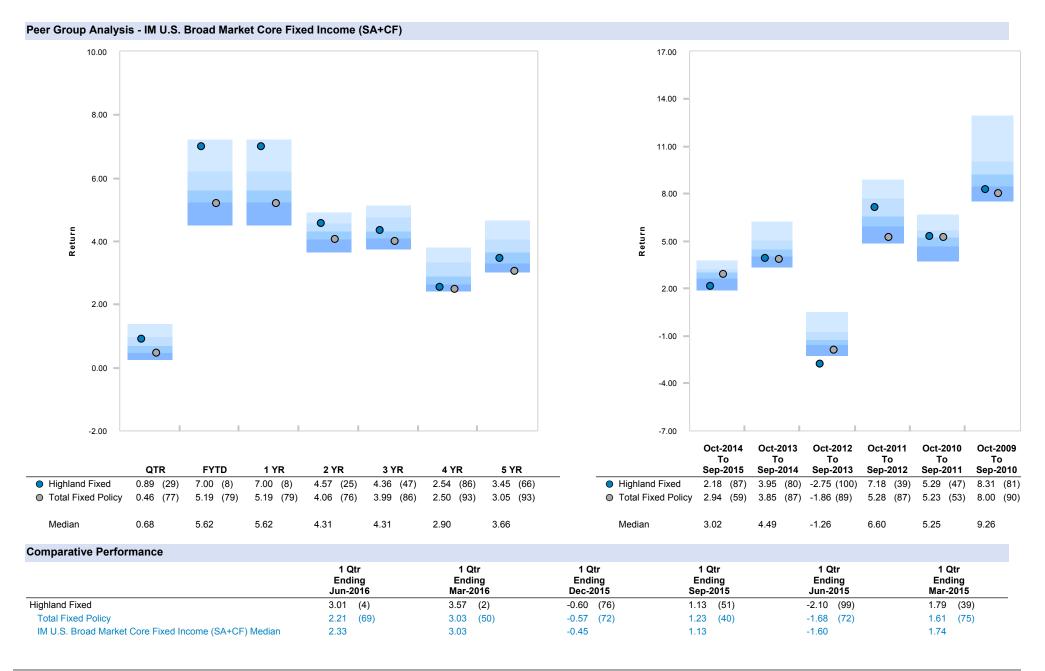


	Return	Standard Deviation		Return	Standard Deviation
Highland Capital Equity	7.51	8.38	Highland Capital Equity	13.50	10.84
Total Equity Policy	8.29	8.51	Total Equity Policy	14.28	9.80
Median	8.74	8.83	Median	15.69	10.68

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Highland Capital Equity	2.15	97.75	102.58	-0.60	-0.33	0.70	0.99	6.71
Total Equity Policy	0.00	100.00	100.00	0.00	N/A	0.77	1.00	6.46
listorical Statistics - 5	Years							
	Tracking	Up	Down		Information	Sharpe	<b>_</b> .	Downside

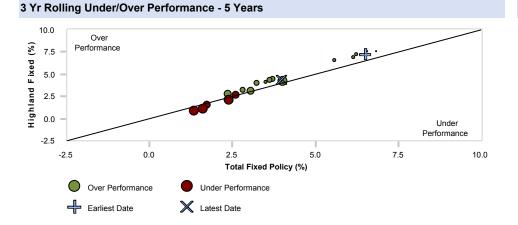
	Error	Market Capture	Market Capture	Alpha	Ratio	Ratio	Beta	Risk
Highland Capital Equity	3.67	100.98	108.30	-1.39	-0.15	1.07	1.06	6.70
Total Equity Policy	0.00	100.00	100.00	0.00	N/A	1.23	1.00	6.08



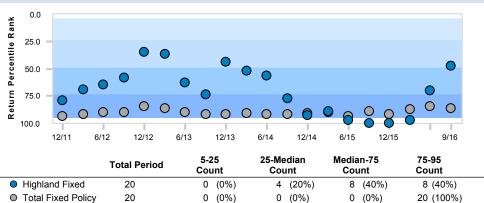




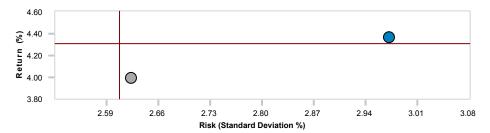
# Performance Review Highland Capital Fixed Income As of September 30, 2016



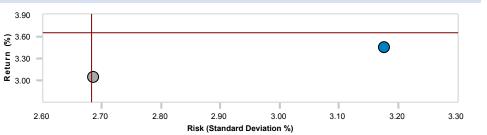
#### 3 Yr Rolling Percentile Ranking - 5 Years



# Peer Group Scattergram - 3 Years



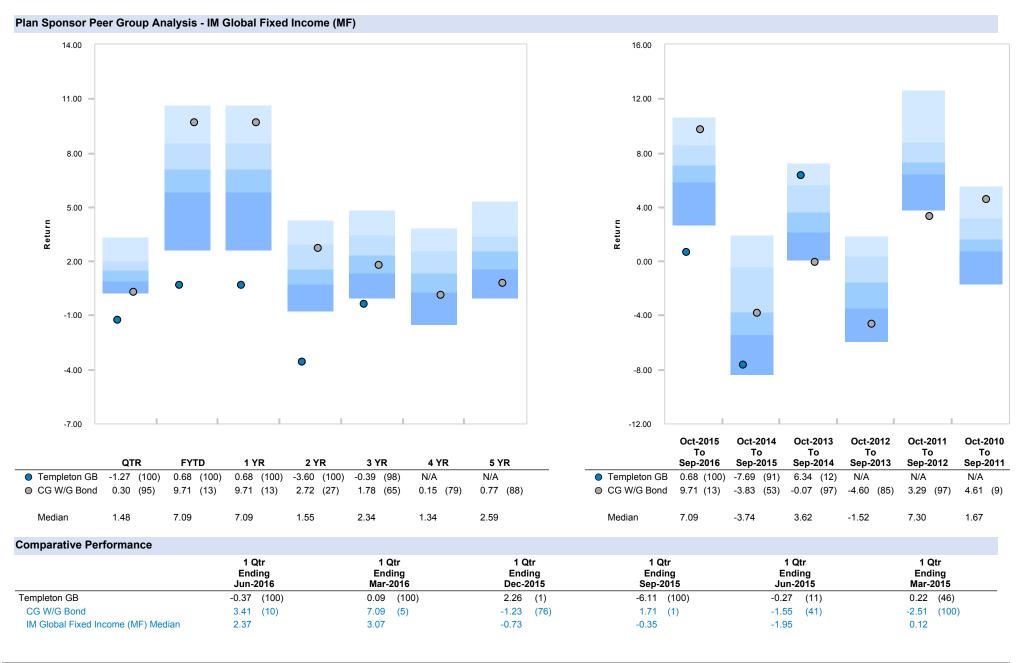
#### Peer Group Scattergram - 5 Years



	Return	Standard Deviation		Return	Standard Deviation
Highland Fixed	4.36	2.97	Highland Fixed	3.45	3.18
Total Fixed Policy	3.99	2.62	Total Fixed Policy	3.05	2.69
Median	4.31	2.61	Median	3.66	2.68

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Highland Fixed	1.09	110.47	112.91	0.23	0.34	1.47	1.03	1.31
Total Fixed Policy	0.00	100.00	100.00	0.00	N/A	1.49	1.00	1.10
Historical Statistics	- 5 Years							
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Highland Fixed	1.13	115.49	118.40	0.09	0.36	1.06	1.10	1.79
Total Fixed Policy	0.00	100.00	100.00	0.00	N/A	1.10	1.00	1.49



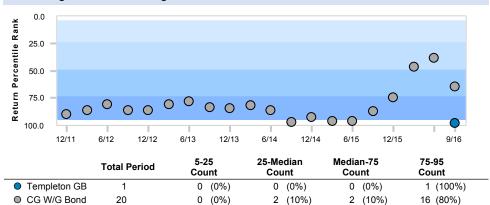




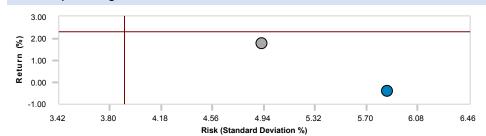
#### 3 Yr Rolling Under/Over Performance - 5 Years

#### No data found.

# 3 Yr Rolling Percentile Ranking - 5 Years



#### Peer Group Scattergram - 3 Years



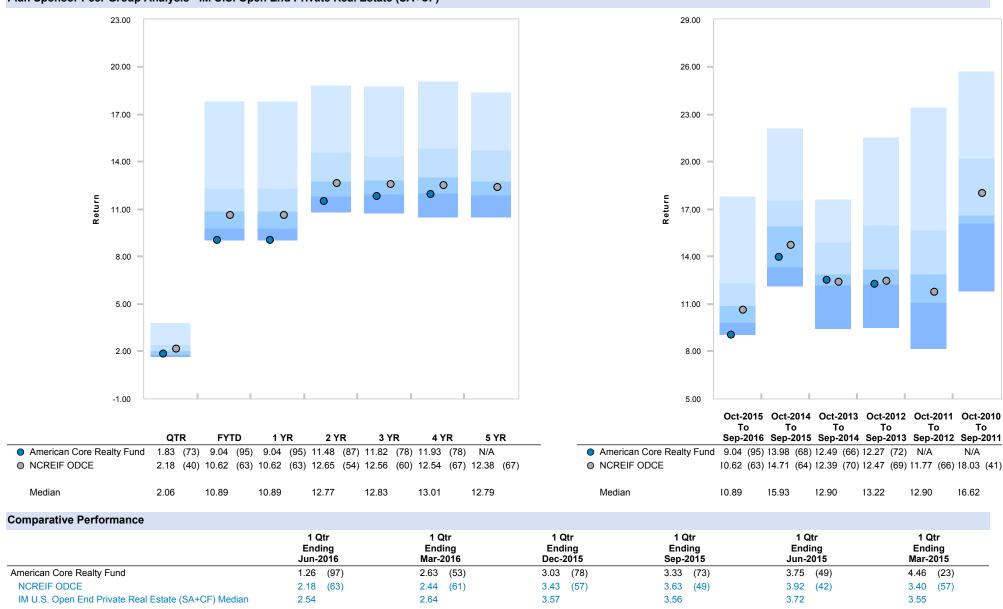
#### Peer Group Scattergram - 5 Years



	Return	Standard Deviation		Return	Standard Deviation
Templeton GB	-0.39	5.86	Templeton GB	N/A	N/A
CG W/G Bond	1.78	4.92	CG W/G Bond	0.77	4.69
Median	2.34	3.91	Median	2.59	4.58

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Templeton GB	7.71	-21.31	-24.40	-0.19	-0.27	-0.05	-0.02	4.17
CG W/G Bond	0.00	100.00	100.00	0.00	N/A	0.37	1.00	3.18
Historical Statistic	s - 5 Years							
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Templeton GB	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CG W/G Bond	0.00	100.00	100.00	0.00	N/A	0.17	1.00	3.22



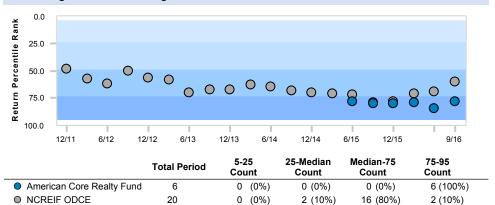




#### Plan Sponsor Peer Group Analysis - IM U.S. Open End Private Real Estate (SA+CF)

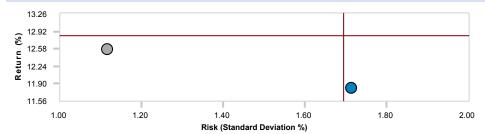
#### C ore Realty Fund (%) 13.3 13.3 12.6 Over Performance 4 11.9 Therican 11.2 $\times$ Under Performance 11.9 12.6 13.3 14.0 11.2 NCREIF ODCE (%) 🗙 Latest Date Earliest Date Under Performance

#### 3 Yr Rolling Percentile Ranking - 5 Years

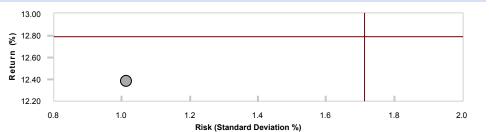


# Peer Group Scattergram - 3 Years

3 Yr Rolling Under/Over Performance - 5 Years



#### Peer Group Scattergram - 5 Years



	Return	Standard Deviation		Return	Standard Deviation
American Core Realty Fund	11.82	1.71	American Core Realty Fund	N/A	N/A
NCREIF ODCE	12.56	1.12	NCREIF ODCE	12.38	1.01
Median	12.83	1.69	Median	12.79	1.71

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
merican Core Realty Fund	1.23	94.39	N/A	-0.09	-0.55	2.29	0.95	0.00
NCREIF ODCE	0.00	100.00	N/A	0.00	N/A	2.38	1.00	0.00
istorical Statistics - 5 Yea	ars							
	Tracking	Up	Down		Information	Sharpe	5.4	Downside

	Error	Market Capture	Market Capture	Alpha	Ratio	Sharpe Ratio	Beta	Risk
American Core Realty Fund	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NCREIF ODCE	0.00	100.00	N/A	0.00	N/A	2.39	1.00	0.00



Total Fund Compliance:										Yes	s No	N/	Α
Equity Compliance:										Yes	s No	N/	Α
Fixed Income Compliance:										Yes	s No	N/	Α
Managar Compliance													
Manager Compliance:	Yes No	N/A	Yes N	o N/A	Yes	No	N/A	Yes	No	N/A	Yes N	No N	I/A



Total Fund Policy		Total Equity Policy	
Allocation Mandate	Weight (%)	Allocation Mandate	Weight (%)
Dec-1975		Jan-1998	
S&P 500 Index	50.00	S&P 500 Index	100.00
BofA Merrill Lynch Gov't/ Corp Master	50.00	Oct-2004	
Dct-2004		S&P 500 Index	85.00
S&P 500 Index	50.00	MSCI EAFE Index	15.00
BofA Merrill Lynch US Domestic Master	40.00		
MSCI EAFE Index	10.00	Jan-2014	
		Russell 3000 Index	75.00
Jan-2014		MSCI AC World ex USA	25.00
Russell 3000 Index	45.00		
MSCI AC World ex USA	15.00		
Bloomberg Barclays U.S. Aggregate Index	25.00		
Citigroup World Government Bond Index	5.00		
NCREIF Fund Index-Open End Diversified Core (EW)	10.00		

Total Fixed Income Policy		
Allocation Mandate	Weight (%)	
Jan-1998		
BofA Merrill Lynch Gov't/ Corp Master	100.00	
Oct-2004		
BofA Merrill Lynch US Domestic Master	100.00	
Jan-2014		
Bloomberg Barclays U.S. Aggregate Index	100.00	



Active Return	- Arithmetic difference between the manager's performance and the designated benchmark return over a specified time period.
Alpha	- A measure of the difference between a portfolio's actual performance and its expected return based on its level of risk as determined by beta. It determines the portfolio's non-systemic return, or its historical performance not explained by movements of the market.
Beta	- A measure of the sensitivity of a portfolio to the movements in the market. It is a measure of the portfolio's systematic risk.
Consistency	- The percentage of quarters that a product achieved a rate of return higher than that of its benchmark. Higher consistency indicates the manager has contributed more to the product's performance.
Distributed to Paid In (DPI)	- The ratio of money distributed to Limited Partners by the fund, relative to contributions. It is calculated by dividing cumulative distributions by paid in capital. This multiple shows the investor how much money they got back. It is a good measure for evaluating a fund later in its life because there are more distributions to measure against.
Down Market Capture	- The ratio of average portfolio performance over the designated benchmark during periods of negative returns. A lower value indicates better product performance
Downside Risk	- A measure similar to standard deviation that utilizes only the negative movements of the return series. It is calculated by taking the standard deviation of the negative quarterly set of returns. A higher factor is indicative of a riskier product.
Excess Return	- Arithmetic difference between the manager's performance and the risk-free return over a specified time period.
Excess Risk	- A measure of the standard deviation of a portfolio's performance relative to the risk free return.
Information Ratio	- This calculates the value-added contribution of the manager and is derived by dividing the active rate of return of the portfolio by the tracking error. The higher the Information Ratio, the more the manager has added value to the portfolio.
R-Squared	- The percentage of a portfolio's performance that can be explained by the behavior of the appropriate benchmark. A high R-Squared means the portfolio's performance has historically moved in the same direction as the appropriate benchmark.
Return	- Compounded rate of return for the period.
Sharpe Ratio	- Represents the excess rate of return over the risk free return divided by the standard deviation of the excess return. The result is an absolute rate of return per unit of risk. A higher value demonstrates better historical risk-adjusted performance.
Standard Deviation	- A statistical measure of the range of a portfolio's performance. It represents the variability of returns around the average return over a specified time period.
Total Value to Paid In (TVPI)	- The ratio of the current value of remaining investments within a fund, plus the total value of all distributions to date, relative to the total amount of capital paid into the fund to date. It is a good measure of performance before the end of a fund's life
Tracking Error	- This is a measure of the standard deviation of a portfolio's returns in relation to the performance of its designated market benchmark.
Treynor Ratio	- Similar to Sharpe ratio but utilizes beta rather than excess risk as determined by standard deviation. It is calculated by taking the excess rate of return above the risk free rate divided by beta to derive the absolute rate of return per unit of risk. A higher value indicates a product has achieved better historical risk-adjusted performance.
Up Market Capture	- The ratio of average portfolio performance over the designated benchmark during periods of positive returns. A higher value indicates better product performance.



The Bogdahn Group compiled this report for the sole use of the client for which it was prepared. The Bogdahn Group is responsible for evaluating the performance results of the Total Fund along with the investment advisors by comparing their performance with indices and other related peer universe data that is deemed appropriate. The Bogdahn group uses the results from this evaluation to make observations and recommendations to the client.

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