Investment Performance Review Period Ending March 31, 2017

# **Boynton Beach Firefighters' Retirement System**

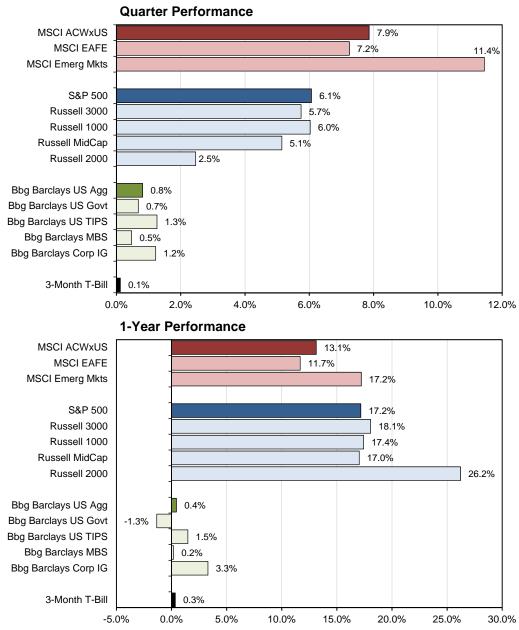


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**1st Quarter 2017 Market Environment** 

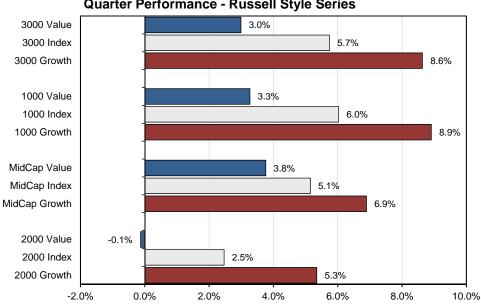


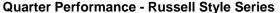
- Returns for the 1<sup>st</sup> quarter of 2017 were positive across equity and fixed income indices. Broad domestic and international equity market performance was fueled by largely improving global economic data. While domestic equity indices trailed international equity indices due to U.S. Dollar (USD) weakness, performance was solid on the back of Trump administration campaign promises for pro-business policy initiatives, government regulation rollbacks, tax reform, and domestic infrastructure investment. Despite concerns over the duration of the equity market's current run, this policy optimism caused many major domestic indices to reach all-time highs at various points during the quarter. Large cap stocks reversed a recent trend of small cap equity outperformance during the quarter with the S&P 500 Index. Despite their relatively muted quarterly performance, small cap stocks still handedly outperformed large cap issues over the 1-year period with the Russell 2000 returning 26.2% versus a 17.2% return for the S&P 500.
- International equity market benchmarks had an excellent start to calendar 2017, outpacing U.S. markets and posting substantial returns for the 1<sup>st</sup> quarter. Both developed and emerging market international equities experienced tailwinds from increasingly positive global macroeconomic data, a weakening USD and ongoing accommodative global central bank policies. Emerging market stocks were the greatest beneficiaries of these positive trends, outperforming their developed market counterparts by more than 5% for the quarter. The MSCI Emerging Market Index returned a solid 11.4% for the quarter and 17.2% for 1-year period. While weaker by comparison, the developed market MSCI EAFE Index also posted robust performance returning 7.2% for the quarter and 11.7% over the 1-year period.
- In March, the continued pickup in inflation measures coupled with other positive economic data pushed the Federal Open Market Committee (FOMC) to maintain its commitment to remove policy accommodation from the financial system. During the quarter, the FOMC increased the Fed Funds rate by 0.25% for the second time in six months. Since the increase was largely telegraphed by Fed Chair Janet Yellen, financial markets had already priced in a high likelihood of a rate hike, and thus, market's reaction to the news was subdued. Outside of an unforeseen pickup in economic growth or downside shock, markets are currently pricing in two additional rate increase for 2017. All investment grade bond benchmarks were modestly positive for the quarter. Corporate and Treasury Inflation Protected Securities (TIPS) benefitted the most from the current economic backdrop and outperformed other major bond sectors. The broad market Bloomberg Barclays U.S. Aggregate Index returned 0.8% for the quarter and 0.4% over the 1-year period.

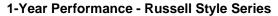


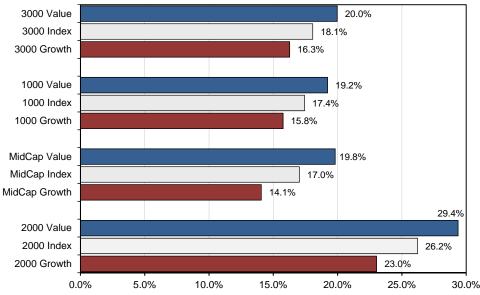


- U.S. equity index returns were largely positive across the style and capitalization spectrum for the 1<sup>st</sup> guarter and the trailing 1-year period. Domestic equity index returns were driven by optimism surrounding the Trump administration's previously referenced pro-growth agenda. Markets were also driven higher by positive trends in economic data reported throughout the period including improvements in consumer and business sentiment, corporate earnings, and employment. The only major setback to the 1<sup>st</sup> quarter's optimism was the GOP's failure to repeal the Affordable Care Act in late March. This event raised market concerns surrounding the expediency and impact of future promised policy changes.
- Large cap stocks were the best performing capitalization segment for the guarter for both core and growth issues while mid cap equities posted a slight premium relative to other capitalizations within the value spectrum. The largecap Russell 1000 Index returned a solid 6.0% for the guarter while the small cap Russell 2000 Index returned a more modest 2.5%. This return spread was partially due to market speculation that potential foreign trade restrictions expected to disproportionately impact larger companies may not be fully realized. Conversely, over the 1-year period, small cap issues still maintain a considerable performance advantage, with the small cap Russell 2000 returning 26.2% versus a return of 17.4% for the large cap Russell 1000.
- Index sector allocations were a substantial contributor to growth index outperformance during the 1st guarter as growth indices benefitted from significant underweights to the energy and financials sectors, both of which lagged the broad index return. Growth benchmarks also benefitted from greater exposure to the information technology and health care sectors which posted strong sector returns. The Russell 2000 Value Index's return of -0.1% was the worst performing style index for the period as well as the only index to post a negative return. Like capitalization performance differentials, the 1st quarter's style performance trend reverses when viewed over the 1-year period with value indices outperforming growth benchmarks across all market capitalization levels.
- Domestic equity valuations appear stretched relative to historical levels based on Forward Price/Earnings ratios (P/E), with even the most reasonably valued indices trading above their historical P/E valuations. Index P/E valuations range from 112% and 127% of their respective 15-year P/E averages. The mid cap growth and small cap value indices appear the most inexpensive and the large cap value and small cap growth look the most overvalued.



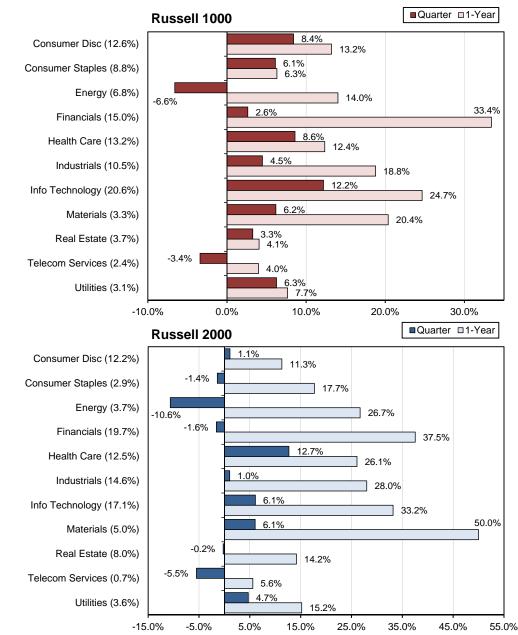








- Sector performance within the Russell 1000 Index was largely positive for the 1<sup>st</sup> quarter. Six of eleven economic sectors outpaced the Russell 1000 Index return, and nine of eleven sectors posted gains during the period. Energy (-6.6%) was the worst performing sector as crude prices fell throughout the guarter on fears of oversupply as accelerating production in the U.S. undermined the effects of an agreement between OPEC and Russia to limit global supply. Telecommunication services was the only other large cap sector to post negative performance for the guarter with a return of -3.4%. Technology was the best performing sector in the large cap index as increasing business and consumer confidence drove demand and pushed technology stock prices 12.2% higher through the quarter. Health care also outperformed, rising 8.6% for the guarter as uncertainty surrounding health care reform dissipated after the GOP's failure to repeal the Affordable Care Act, which indefinitely postponed changes to current legislation. Over the trailing 1-year period, financials, technology and materials were the best performing sectors, each returning greater than 20%. All eleven economic sectors of the Russell 1000 index posted positive returns for the 1-year period.
- Small cap sector results lagged their large capitalization counterparts for the 4<sup>th</sup> quarter, with only four of eleven economic sectors outpacing the Russell 2000 Index return for the quarter, and only six of eleven sectors posting positive results for the period. Most of the sector trends observable in large cap index sector performance also impacted small cap sectors. Similar to large cap issues, energy was the biggest detractor, falling -10.6% for the quarter. Returns for health care (12.7%) and technology (6.1%) drove positive index performance. Over the last year the materials, financials, and technology sectors each posted returns in excess of 30% and all eleven sectors posted positive performance over the trailing 1-year period.
- Using S&P 500 sector valuations as a proxy for the market, Forward P/E ratios for eight of the GICS sectors were higher than their long-term averages at quarter-end. Using these historical P/E measures, the energy, materials and utilities sectors appear the most extended. In contrast the technology, health care and telecommunications sectors were trading at a discount to their long-term average P/E ratios.





The Market Environment Top 10 Index Weights & Quarterly Performance for the Russell 1000 & 2000 As of March 31, 2017

Top 10 Weighted Stocks						
Russell 1000	000 Weight 1-Qtr 1-Year Return Return Sector		Sector			
Apple Inc	3.48%	24.6%	34.6%	Information Technology		
Microsoft Corp	2.20%	6.6%	22.4%	Information Technology		
Amazon.com Inc	1.52%	18.2%	49.3%	Consumer Discretionary		
Johnson & Johnson	1.51%	8.8%	18.3%	Health Care		
Exxon Mobil Corp	1.51%	-8.3%	1.6%	Energy		
JPMorgan Chase & Co	1.41%	2.4%	52.5%	Financials		
Facebook Inc A	1.41%	23.5%	24.5%	Information Technology		
Berkshire Hathaway Inc B	1.39%	2.3%	17.5%	Financials		
General Electric Co	1.21%	-4.9%	-3.3%	Industrials		
AT&T Inc	1.13%	-1.1%	11.2%	Telecommunication Services		

Top 10 Weighted Stocks						
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector		
Advanced Micro Devices Inc	0.58%	28.3%	410.5%	Information Technology		
The Chemours Co	0.37%	74.4%	454.3%	Materials		
Microsemi Corp	0.31%	-4.5%	34.5%	Information Technology		
Olin Corp	0.29%	29.2%	95.8%	Materials		
LogMeIn Inc	0.27%	1.5%	96.4%	Information Technology		
New Residential Investment Corp	0.27%	11.1%	65.4%	Financials		
Coherent Inc	0.26%	49.7%	123.8%	Information Technology		
Take-Two Interactive Software Inc	0.26%	20.2%	57.3%	Information Technology		
Exelixis Inc	0.26%	45.3%	441.8%	Health Care		
F N B Corp	0.25%	-6.5%	18.3%	Financials		

Top 10 Performing Stocks (by Quarter)					
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector	
Community Health Systems Inc	0.00%	58.7%	-41.9%	Health Care	
NRG Energy Inc	0.03%	52.8%	45.0%	Utilities	
Vertex Pharmaceuticals Inc	0.12%	48.4%	37.6%	Health Care	
bluebird bio Inc	0.00%	47.3%	113.9%	Health Care	
Arconic Inc	0.05%	42.4%	N/A	Industrials	
DexCom Inc	0.03%	41.9%	24.8%	Health Care	
Agios Pharmaceuticals Inc	0.01%	39.9%	43.8%	Health Care	
Activision Blizzard Inc	0.12%	38.9%	48.2%	Information Technology	
Lumentum Holdings Inc	0.00%	38.0%	97.8%	Information Technology	
Alnylam Pharmaceuticals Inc	0.02%	36.9%	-18.4%	Health Care	

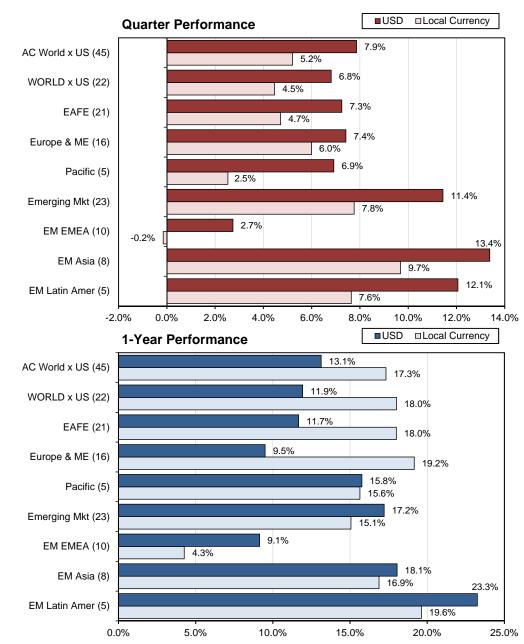
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Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector
Calithera Biosciences Inc	0.00%	255.4%	103.3%	Health Care
Rocket Fuel Inc	0.00%	213.5%	70.2%	Information Technology
Esperion Therapeutics Inc	0.03%	182.0%	108.8%	Health Care
ViewRay Inc	0.00%	171.9%	97.9%	Health Care
Global Blood Therapeutics Inc	0.03%	155.0%	132.3%	Health Care
TG Therapeutics Inc	0.02%	150.6%	36.7%	Health Care
Internap Corp	0.00%	141.6%	36.3%	Information Technology
Applied Optoelectronics Inc	0.05%	139.5%	276.6%	Information Technology
Infinity Pharmaceuticals Inc	0.01%	139.3%	-38.7%	Health Care
NewLink Genetics Corp	0.03%	134.4%	32.4%	Health Care

Botton	n 10 Perform	ning Stocks (	by Quarter)	
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector
Cobalt International Energy Inc	0.00%	-56.3%	-82.0%	Energy
Seadrill Ltd	0.00%	-54.6%	-51.5%	Energy
Rite Aid Corp	0.02%	-48.4%	-47.9%	Consumer Staples
Vista Outdoor Inc	0.01%	-44.2%	-60.3%	Consumer Discretionary
Babcock & Wilcox Enterprises Inc	0.00%	-43.7%	-56.4%	Industrials
Colony NorthStar Inc A	0.03%	-36.1%	-17.5%	Real Estate
Frontier Communications Corp Class B	0.01%	-34.1%	-57.0%	Telecommunication Services
GNC Holdings Inc	0.00%	-33.3%	-76.1%	Consumer Discretionary
Fossil Group Inc	0.00%	-32.5%	-60.7%	Consumer Discretionary
Endo International PLC	0.01%	-32.2%	-60.4%	Health Care

Bottom 10 Performing Stocks (by Quarter)					
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector	
Argos Therapeutics Inc	0.00%	-90.8%	-92.9%	Health Care	
Peabody Energy Corp	0.00%	-86.4%	-70.7%	Energy	
Ultrapetrol Bahamas Ltd	0.00%	-83.2%	-93.8%	Industrials	
GulfMark Offshore Inc	0.00%	-80.0%	-94.3%	Energy	
Rentech Inc	0.00%	-79.8%	-77.5%	Materials	
Walter Investment Management Corp	0.00%	-77.3%	-85.9%	Financials	
Adeptus Health Inc Class A	0.00%	-76.4%	-96.8%	Health Care	
Novan Inc	0.00%	-76.4%	N/A	Health Care	
Galena Biopharma Inc	0.00%	-68.6%	-97.8%	Health Care	
Cumulus Media Inc Class A	0.00%	-68.5%	-91.4%	Consumer Discretionary	



- While USD strength is on the high side of its 10-year range, the USD weakened through the quarter providing a tailwind to international index returns denominated in USD. However, the 1-year performance for the broad international indices still show a large negative currency impact from USD strength. The primary factors contributing to USD strength are an increasing divergence in U.S. monetary policy (tightening) relative to other developed countries (further accommodation) as well as the Trump administration's pro-growth policy agenda. However, improvement in growth prospects outside of the U.S. and the measured implementation of a more restrictive U.S. monetary policy has led to a pause in the USD's upward trajectory.
- International index performance for the 1<sup>st</sup> quarter was broadly positive for both developed and emerging markets in both USD and local currency terms. In USD terms, the developed market MSCI EAFE Index returned 7.3% as continued monetary stimulus and improving macroeconomic data in the U.K., Europe and Asia increased investor optimism, fueling demand for stocks. Returns in Europe and Japan were supplemented by perceived stabilization within their respective political systems. Also, noteworthy was the U.K. decision to invoke Article 50, signaling the start of their two-year separation process with the European Union. Returns for Eurozone stocks were up over 8% while stocks in Japan and the U.K. gained 4.5% and 5.0% in USD respectively. Developed market index performance is also robust when viewed over the 1-year period with the EAFE index returning 11.7% in USD terms.
- Emerging market equities had an impressive start to 2017 with the MSCI Emerging Market Index posting an 11.4% USD return for the 1<sup>st</sup> quarter. A weakening USD, continued improvement in global growth, and a lack of Trump administration attention toward protectionist trade policies provided an attractive backdrop for emerging market returns. India (17.1%), Poland (17.8%) and South Korea (16.9%) had the strongest returns in USD terms, while Russia (-4.6%) was the index's worst performing constituent. In USD terms, emerging markets have returned a substantial 17.2% over the past 12 months. Stocks in Latin America outperformed, led by Brazil's 42.8% return, pushing the MSCI Emerging Market Latin America Index 23.3% higher for the 1-year period.





The Market Environment
U.S. Dollar International Index Attribution & Country Detail
As of March 31, 2017

MSCI - EAFE	Sector Weight	Quarter Return	1-Year Return
Consumer Discretionary	12.2%	5.3%	8.7%
Consumer Staples	11.4%	9.1%	2.6%
Energy	5.0%	-1.8%	18.8%
Financials	21.3%	7.3%	19.9%
Health Care	10.7%	8.3%	2.1%
Industrials	14.3%	9.1%	14.5%
Information Technology	5.7%	11.7%	20.7%
Materials	7.9%	7.6%	30.4%
Real Estate	3.7%	6.0%	3.9%
Telecommunication Services	4.4%	5.1%	-2.8%
Utilities	3.4%	7.7%	1.5%
Total	100.0%	7.3%	11.7%
MSCI - ACWIXUS	Sector Weight	Quarter Return	1-Year Return
Consumer Discretionary	11.3%	6.9%	9.1%
Consumer Staples	9.9%	8.6%	2.3%

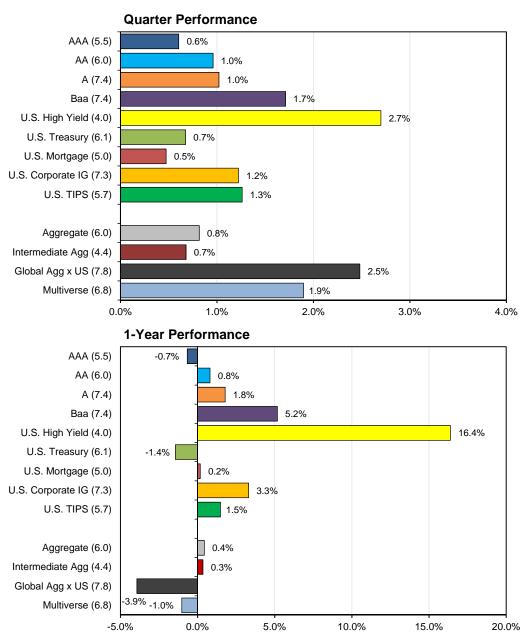
Total	100.0%	7.9%	13.1%
Utilities	3.2%	8.2%	2.2%
Telecommunication Services	4.5%	6.0%	-0.9%
Real Estate	3.2%	6.7%	4.0%
Materials	8.0%	8.4%	29.0%
Information Technology	9.9%	14.6%	25.9%
Industrials	11.9%	9.5%	13.9%
Health Care	8.0%	8.0%	1.5%
Financials	23.3%	7.5%	18.9%
Energy	6.8%	-0.9%	18.4%
Consumer Staples	9.9%	8.6%	2.3%
Consumer Discretionary	11.3%	0.9%	9.1%

MSCI - Emerging Mkt	Sector Weight	Quarter Return	1-Year Return
Consumer Discretionary	10.4%	12.9%	10.4%
Consumer Staples	6.9%	7.6%	1.6%
Energy	7.3%	4.4%	24.1%
Financials	24.1%	10.0%	22.1%
Health Care	2.4%	5.5%	-2.0%
Industrials	5.9%	13.6%	8.1%
Information Technology	24.5%	17.0%	30.4%
Materials	7.5%	12.1%	27.7%
Real Estate	2.6%	10.5%	7.5%
Telecommunication Services	5.6%	7.6%	3.0%
Utilities	2.8%	10.0%	4.0%
Total	100.0%	11.4%	17.2%

	MSCI-EAFE	MSCI-ACWIxUS	Quarter	1- Year
Country	Weight	Weight	Return	Return
Japan	23.4%	16.3%	4.5%	14.4%
Jnited Kingdom	17.9%	12.4%	5.0%	7.4%
France	10.2%	7.1%	7.3%	12.4%
Germany	9.5%	6.6%	8.4%	14.2%
Switzerland	8.7%	6.1%	8.3%	9.1%
Australia	7.6%	5.3%	11.0%	21.1%
Hong Kong	3.5%	2.4%	13.4%	16.6%
Netherlands	3.5%	2.4%	11.3%	12.9%
Spain	3.4%	2.3%	14.8%	18.4%
Sweden	2.9%	2.0%	9.5%	10.4%
talv	2.2%	1.5%	6.2%	7.6%
Denmark	1.6%	1.1%	6.1%	-9.8%
Singapore	1.3%	0.9%	13.5%	9.5%
Belgium	1.2%	0.8%	5.1%	-0.4%
Finland	1.0%	0.7%	7.3%	7.9%
srael	0.7%	0.5%	5.5%	-11.8%
Norway	0.6%	0.4%	1.4%	13.0%
reland	0.5%	0.3%	3.8%	0.6%
Austria	0.3%	0.1%	9.0%	21.9%
New Zealand	0.2%	0.1%	2.0%	8.1%
Portugal	0.2%	0.1%	8.3%	8.6%
Total EAFE Countries	100.0%		7.3%	
Canada	100.0%	69.7%		11.7% 14.8%
Fotal Developed Countries		6.9% 76.5%	2.5% 6.8%	14.8%
		6.3%		
China Korea			12.9%	19.7%
		3.5%	16.9%	20.9%
Taiwan		2.9%	11.8%	23.0%
ndia		2.1%	17.1%	18.4%
Brazil		1.8%	10.4%	42.8%
South Africa		1.6%	4.4%	8.1%
Russia		0.9%	-4.6%	27.6%
Mexico		0.9%	16.0%	-2.8%
ndonesia		0.6%	7.0%	12.5%
Malaysia		0.6%	8.3%	-8.1%
Thailand		0.5%	8.6%	17.6%
Chile		0.3%	15.9%	18.6%
Poland		0.3%	17.8%	3.5%
Philippines		0.3%	6.1%	-7.3%
Furkey		0.2%	10.8%	-16.6%
Qatar		0.2%	1.9%	4.3%
Jnited Arab Emirates		0.2%	2.3%	7.0%
Colombia		0.1%	5.7%	9.2%
Peru		0.1%	5.5%	29.3%
Greece		0.1%	-3.5%	-3.4%
Hungary		0.1%	-0.1%	15.3%
Czech Republic		0.0%	5.7%	-4.5%
Egypt		0.0%	1.8%	-4.2%
Total Emerging Countries		23.5%	11.4%	17.2%
Total ACWIxUS Countries		100.0%	7.9%	13.1%

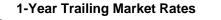


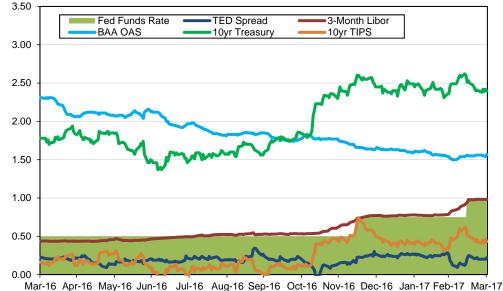
- Each of the fixed income benchmarks we track posted gains for the 1<sup>st</sup> quarter with the broad market Bloomberg Barclays Aggregate Index returning 0.8% for the period. Short-term market yields rose through the quarter as investors prepared for a widely anticipated 25 basis point (bps) interest rate increase by the Fed. The Fed's second rate hike in six-months was supported by growing inflation and continued improvement in U.S. macroeconomic data. The effect of the interest rate increase was largely "priced in" by the market as participants viewed the move as a sign of continued Fed confidence in the U.S. economic recovery. Fixed income index performance was mixed over the 1-year period with the Bloomberg Barclays Aggregate index returning a muted 0.4% for the period.
- Lower quality bonds outperformed higher quality issues for both the quarter and 1-year period as contracting credit spreads from improvements in economic fundamentals acted as a tailwind to these issues. During the 1<sup>st</sup> quarter credit spreads for high yield debt decreased by 26 bps versus only 5 bps for investment grade corporate issues. AAA issues returned a muted 0.6% over the quarter compared to a solid 1.7% return for Baa issues. High yield debt was the largest beneficiary of these economic trends, returning 2.7% for the quarter and a significant 16.4% for the 1-year period.
- A review of sector performance shows credit and U.S. TIPS outpaced U.S. Treasury and mortgage backed security (MBS) indices. Credit issues benefited from tightening spreads and TIPS strength coincided with higher future inflation expectations. MBS was the worst performing sector for the quarter as the Fed signaled an eventual end to their ongoing reinvestment in agency MBS (shrinking their balance sheet), which caused spreads on MBS to rise 12 bps. Led by a weakening USD, global bond indices posted solid results for the quarter. Fixed income returns over the 1-year period are mixed with the corporate and TIPS segments outpacing Treasury and MBS issues. Despite a strong quarter, global bond returns trail domestic indices over the 1-year period with the Bloomberg Barclays Aggregate ex U.S. returning -3.9% for the period.
- The Fed indicated future rate increases will be implemented at a measured pace based on an ongoing assessment of current economic data. However, future policy action by the Trump administration and global economic developments will also likely impact the pace of future interest rate increases. Current market expectations are for two additional interest rate increases in 2017.

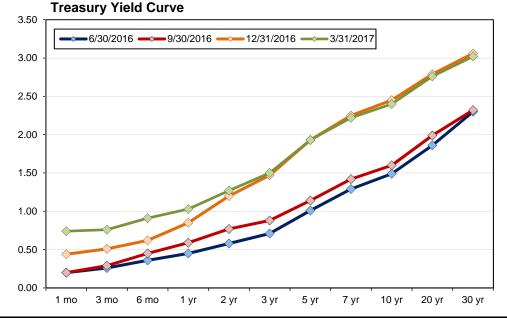




- Much of the index performance detailed in the bar graphs on the previous page is visible on a time series basis by reviewing the line graphs to the right. The '1-Year Trailing Market Rates' chart illustrates that after trading in a tight range for most of 2016, the 10-year Treasury yield (green line) rose dramatically in the 4<sup>th</sup> guarter of 2016 but held largely steady during the 1<sup>st</sup> guarter of 2017. After closing 2016 with a 2.45% yield, the 10-year Treasury finished the 1<sup>st</sup> quarter at a slightly lower 2.40%. The blue line illustrates changes in the BAA OAS (Option Adjusted Spread). This measure quantifies the additional yield premium that investors require to purchase and hold non-Treasury issues. This line illustrates a steady decline in credit spreads throughout 2016 and into 2017. This decline is equivalent to an interest rate decrease on corporate bonds, which produces a tailwind for corporate bond index returns. These credit spreads have tightened by about 75 bps over the last 12-months. The green shading at the bottom of the graph illustrates the continued increase in the Federal Funds Rate due to a less accommodative Fed monetary policy.
- The lower graph provides a snapshot of the U.S. Treasury yield curve at each of the last four calendar quarters. The yield curve flattened throughout the 1<sup>st</sup> quarter as yields on shorter-term maturities rose during the period, while interest rates on the long end of the curve (beyond 5-years) exhibited marginal declines. While interest rate movement during the during 1<sup>st</sup> quarter were relative small, the significant upward shift in interest rates since June of 2016 is clearly visible. Yields on the 3-month Treasury Bill have increased by 50 bps since June 30, 2016 and yields on the 30-year Treasury Bond have jumped by more than 70 bps over the same period.
- Despite the rise in short-term interest rates, most fixed income indices finished the 1<sup>st</sup> quarter in positive territory. In a rising rate environment, it is generally expected that longer-duration market indices will fall more than equivalent lower-duration benchmarks. However, the magnitude of interest rate shifts across the term structure and spread movements can lead to atypical shortterm results. Finally, while global benchmarks are impacted by the same local yield and duration factors as domestic benchmarks, the returns of these indices are also significantly influenced by fluctuations in their currency denomination relative to the USD. This currency effect can either be an offsetting benefit to negative yield and duration factors in a rising rate environment as it was during the 1<sup>st</sup> quarter, or it can further exacerbate negative performance as it did in 2016.

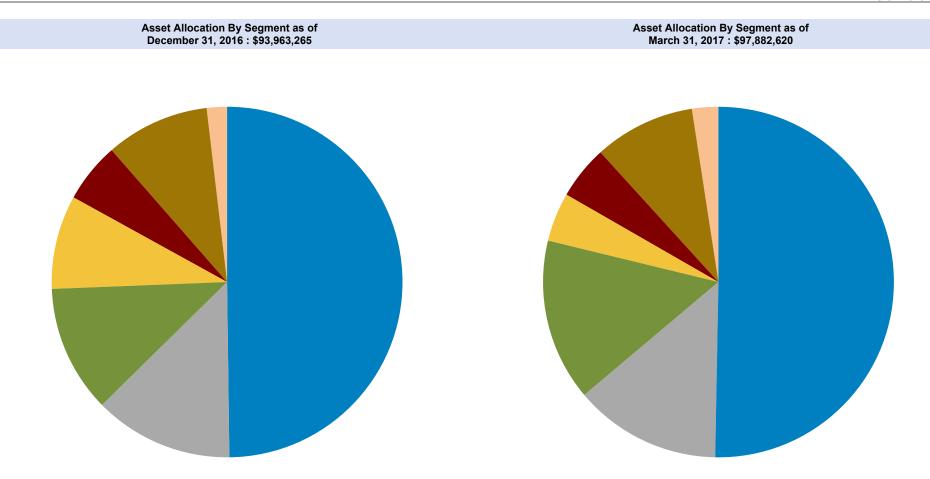








Asset Allocation Summary Total Fund As of March 31, 2017

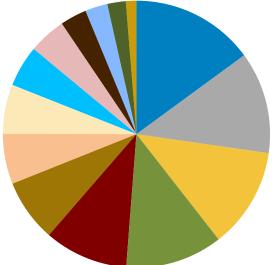


location Allocation					
Segments	Market Value	Allocation	Segments	Market Value	Allocation
Domestic Equity	46,790,272	49.8	Domestic Equity	49,231,445	50.3
International Equity	12,057,691	12.8	International Equity	13,271,523	13.6
Domestic Fixed Income	11,038,883	11.7	Domestic Fixed Income	14,629,514	14.9
Global Fixed Income	8,123,931	8.6	Global Fixed Income	4,412,746	4.5
Other Fixed Income	5,206,063	5.5	Other Fixed Income	4,845,420	5.0
Real Estate	8,991,619	9.6	Real Estate	9,114,038	9.3
Cash	1,754,806	1.9	Cash	2,377,934	2.4



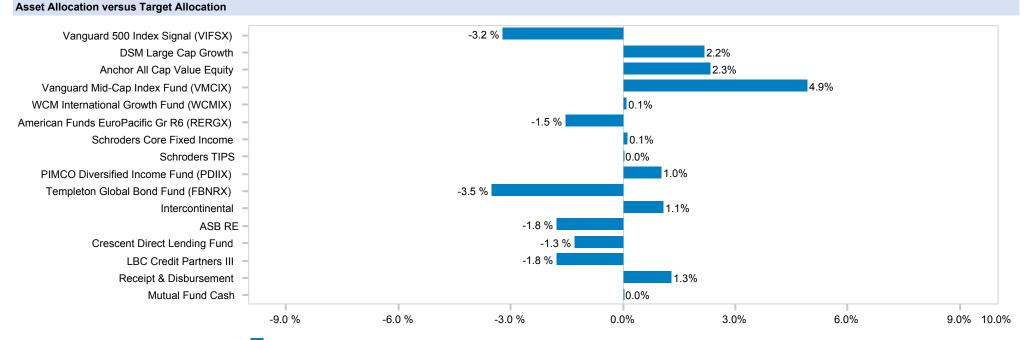
# Asset Allocation By Manager as of December 31, 2016 : \$93,963,265

Asset Allocation By Manager as of March 31, 2017 : \$97,882,620



llocation			Allocation		
	Market Value	Allocation		Market Value	Allocation
Vanguard Mid-Cap Index Fund (VMCIX)	14,176,837	15.1	Vanguard Mid-Cap Index Fund (VMCIX)	14,613,557	14.9
Anchor All Cap Value Equity	11,459,862	12.2	Anchor All Cap Value Equity	12,081,119	12.3
Vanguard 500 Index Signal (VFIAX)	10,866,547	11.6	DSM Large Cap Growth	11,927,531	12.2
DSM Large Cap Growth	10,770,547	11.5	Vanguard 500 Index Signal (VFIAX)	11,524,287	11.8
Schroders Core Fixed Income	10,139,434	10.8	Schroders Core Fixed Income	9,918,080	10.1
WCM International Growth Fund (WCMIX)	6,711,501	7.1	WCM International Growth Fund (WCMIX)	7,424,424	7.6
Intercontinental	5,871,926	6.2	Intercontinental	5,962,817	6.1
American Funds EuroPacific Gr R6 (RERGX)	5,346,191	5.7	American Funds EuroPacific Gr R6 (RERGX)	5,847,099	6.0
PIMCO Diversified Income Fund (PDIIX)	4,291,087	4.6	Schroders TIPS	4,900,463	5.0
Templeton Global Bond Fund (FBNRX)	3,850,462	4.1	PIMCO Diversified Income Fund (PDIIX)	4,430,605	4.5
ASB RE	3,119,693	3.3	ASB RE	3,151,221	3.2
Crescent Direct Lending Levered Fund	2,964,357	3.2	Crescent Direct Lending Levered Fund	2,658,479	2.7
LBC Credit Partners III	2,241,706	2.4	LBC Credit Partners III	2,186,941	2.2
Schroders TIPS	1,186,285	1.3	Receipt & Disbursement	1,255,947	1.3
Receipt & Disbursement	966,829	1.0	Mutual Fund Cash	48	0.0
Mutual Fund Cash	2	0.0	Templeton Global Bond Fund (FBNRX)	-	0.0

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Allocation Differences

	Market Value \$	Allocation (%)	Target (%)
Vanguard 500 Index Signal (VIFSX)	11,524,287	11.8	15.0
DSM Large Cap Growth	11,927,531	12.2	10.0
Anchor All Cap Value Equity	12,081,119	12.3	10.0
Vanguard Mid-Cap Index Fund (VMCIX)	14,613,557	14.9	10.0
WCM International Growth Fund (WCMIX)	7,424,424	7.6	7.5
American Funds EuroPacific Gr R6 (RERGX)	5,847,099	6.0	7.5
Schroders Core Fixed Income	9,918,080	10.1	10.0
Schroders TIPS	4,900,463	5.0	5.0
PIMCO Diversified Income Fund (PDIIX)	4,430,605	4.5	3.5
Templeton Global Bond Fund (FBNRX)	-	-	3.5
Intercontinental	5,962,817	6.1	5.0
ASB RE	3,151,221	3.2	5.0
Crescent Direct Lending Fund	2,658,479	2.7	4.0
LBC Credit Partners III	2,186,941	2.2	4.0
Receipt & Disbursement	1,255,947	1.3	0.0
Mutual Fund Cash	48	0.0	0.0
Total Fund	97,882,620	100.0	100.0

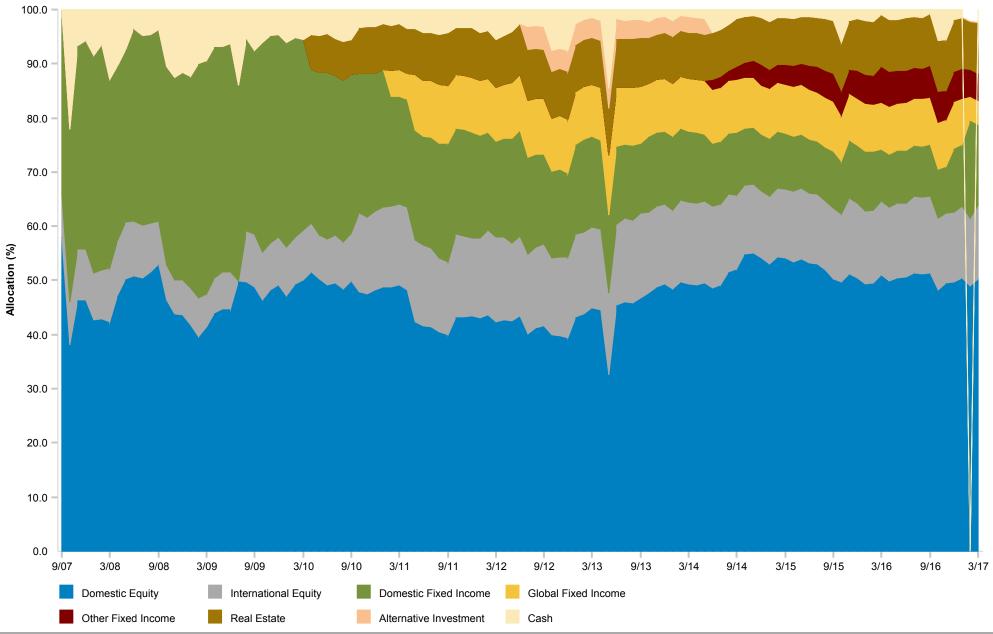


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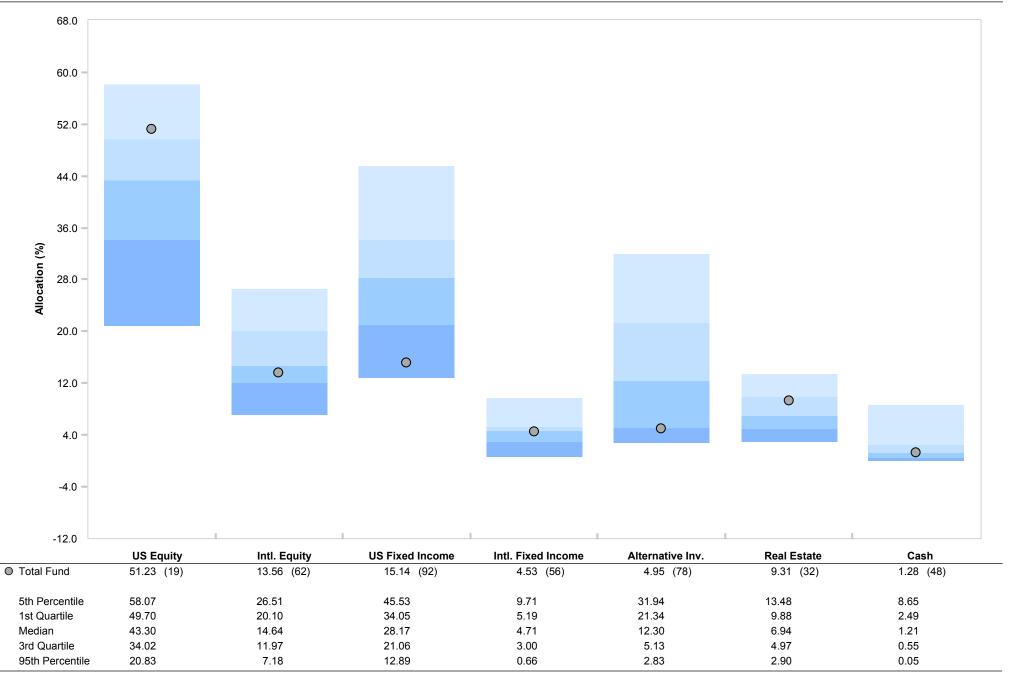
Asset Allocation Attributes										
	Mar-2	017	Dec-2	016	Sep-2	2016	Jun-2	016	Mar-2	016
	(\$)	%	(\$)	%	(\$)	%	(\$)	%	(\$)	%
Total Equity	63,418,018	64.79	59,331,483	63.14	59,540,082	65.95	56,982,049	64.89	56,827,222	65.32
Total Domestic Equity	50,146,495	51.23	47,273,792	50.31	46,748,989	51.78	44,936,827	51.18	44,967,529	51.69
Anchor All Cap Value Equity	12,081,119	12.34	11,459,862	12.20	11,307,802	12.52	11,241,576	12.80	10,938,807	12.57
Vanguard 500 Index Signal (VFIAX)	11,524,287	11.77	10,866,547	11.56	10,467,409	11.59	10,079,916	11.48	10,544,087	12.12
DSM Large Cap Growth	11,927,531	12.19	10,770,547	11.46	11,092,328	12.29	10,418,253	11.86	10,586,675	12.17
Vanguard Mid-Cap Index Fund (VMCIX)	14,613,557	14.93	14,176,837	15.09	13,881,450	15.37	13,197,082	15.03	12,897,959	14.83
Total International Equity	13,271,523	13.56	12,057,691	12.83	12,791,093	14.17	12,045,222	13.72	11,859,693	13.63
American Funds EuroPacific Gr R6 (RERGX)	5,847,099	5.97	5,346,191	5.69	5,577,986	6.18	5,154,031	5.87	5,170,382	5.94
WCM International Growth Fund (WCMIX)	7,424,424	7.59	6,711,501	7.14	7,213,107	7.99	6,891,191	7.85	6,689,311	7.69
Total Fixed Income	24,094,569	24.62	24,673,331	26.26	21,752,299	24.09	21,741,960	24.76	21,766,436	25.02
Total Domestic Fixed Income	14,818,544	15.14	11,325,719	12.05	8,587,512	9.51	8,683,652	9.89	8,565,656	9.85
Schroders Core Fixed Income	9,918,080	10.13	10,139,434	10.79	7,382,848	8.18	7,487,707	8.53	7,384,583	8.49
Schroders TIPS	4,900,463	5.01	1,186,285	1.26	1,204,663	1.33	1,195,945	1.36	1,181,073	1.36
Total Global Fixed Income	4,430,605	4.53	8,141,549	8.66	7,886,706	8.74	7,771,954	8.85	7,583,903	8.72
PIMCO Diversified Income Fund (PDIIX)	4,430,605	4.53	4,291,087	4.57	4,331,811	4.80	4,172,796	4.75	3,972,849	4.57
Templeton Global Bond Fund (FBNRX)	-	0.00	3,850,462	4.10	3,554,896	3.94	3,599,157	4.10	3,611,054	4.15
Total Non-Core Fixed Income	4,845,420	4.95	5,206,063	5.54	5,278,081	5.85	5,286,354	6.02	5,616,878	6.46
LBC Credit Partners III	2,186,941	2.23	2,241,706	2.39	2,487,957	2.76	2,873,592	3.27	3,131,724	3.60
Crescent Direct Lending Levered Fund	2,658,479	2.72	2,964,357	3.15	2,790,124	3.09	2,412,762	2.75	2,485,154	2.86
Total Real Estate	9,114,038	9.31	8,991,619	9.57	8,716,972	9.65	8,471,688	9.65	8,350,524	9.60
Intercontinental	5,962,817	6.09	5,871,926	6.25	5,611,868	6.22	5,410,900	6.16	5,320,474	6.12
ASB RE	3,151,221	3.22	3,119,693	3.32	3,105,104	3.44	3,060,788	3.49	3,030,050	3.48
Cash										
Receipt & Disbursement	1,255,947	1.28	966,829	1.03	276,858	0.31	612,086	0.70	49,773	0.06
Mutual Fund Cash	48	0.00	2	0.00	1	0.00	1	0.00	1	0.00
Boynton Beach Firefighters' Total Fund	97,882,620	100.00	93,963,265	100.00	90,286,211	100.00	87,807,783	100.00	86,993,956	100.00













Financial Reconciliation Quarter to Date								
	Market Value 01/01/2017	Net Transfers	Contributions	Distributions	Management Fees	Other Expenses	Return On Investment	Market Value 03/31/2017
Total Equity	59,331,483	-441,000	39,527	-	-39,527	-1,539	4,529,073	63,418,018
Total Domestic Equity	47,273,792	-441,000	39,527	-	-39,527	-1,539	3,315,241	50,146,495
Anchor All Cap Value Equity	11,459,862	-441,000	16,207	-	-16,207	-776	622,034	12,081,119
Vanguard 500 Index Signal (VFIAX)	10,866,547	_	10,207		-10,207	-110	657,740	11,524,287
DSM Large Cap Growth	10,770,547	-	23,320	_	-23,320	-762	1,157,746	11,927,531
Vanguard Mid-Cap Index Fund (VMCIX)	14,176,837	-441,000	-	-	-20,020	-702	877,721	14,613,557
	,,	,					0,	,,
Total International Equity	12,057,691	-	-	-	-	-	1,213,832	13,271,523
American Funds EuroPacific Gr R6 (RERGX)	5,346,191	-	-	-	-	-	500,909	5,847,099
WCM International Growth Fund (WCMIX)	6,711,501	-	-	-	-	-	712,923	7,424,424
Total Fixed Income	24,673,331	-901,143	16,522	-	-16,522	-588	322,968	24,094,569
			<i></i>		/ • - • •			
Total Domestic Fixed Income	11,325,719	3,406,000	16,522	-	-16,522	-588	87,412	14,818,544
Schroders Core Fixed Income	10,139,434	-294,000	16,522	-	-16,522	-505	73,151	9,918,080
Schroders TIPS	1,186,285	3,700,000	-	-	-	-83	14,261	4,900,463
Total Global Fixed Income	8,141,549	-3,946,500	-	-	-	-	235,556	4,430,605
PIMCO Diversified Income Fund (PDIIX)	4,291,087	-	-	-	-	-	139,518	4,430,605
Templeton Global Bond Fund (FBNRX)	3,850,462	-3,946,500	-	-	-	-	96,038	-
Total Non-Core Fixed Income	5,206,063	-360,643	-	-	-	-	-	4,845,420
LBC Credit Partners III	2,241,706	-54,765	-	-	-	-	-	2,186,941
Crescent Direct Lending Levered Fund	2,964,357	-305,878	-	-	-	-	-	2,658,479
Total Real Estate	8,991,619	-	-	-	-19,375	-	141,794	9,114,038
Intercontinental	5,871,926	-	-	-	-9,627	-	100,518	5,962,817
ASB RE	3,119,693	-	-	-	-9,748	-	41,276	3,151,221
Cash								
Receipt & Disbursement	966,829	1,339,002	347,847	-1,360,220	-	-37,738	226	1,255,947
Mutual Fund Cash	2	3,140	-	-	-	-3,094	-	48
Boynton Beach Firefighters' Total Fund	93,963,265	-	403,896	-1,360,220	-75,424	-42,959	4,994,061	97,882,620



Financial Reconciliation Fiscal Year to Date								
	Market Value 10/01/2016	Net Transfers	Contributions	Distributions	Management Fees	Other Expenses	Return On Investment	Market Value 03/31/2017
Total Equity	59,540,082	-543,429	118,052	-	-118,052	-3,027	4,424,392	63,418,018
	, ,	•	,		•	,		, ,
Total Domestic Equity	46,748,989	-542,601	118,052	-	-118,052	-3,027	3,943,134	50,146,495
Anchor All Cap Value Equity	11,307,802	-100,000	48,150	-	-48,150	-1,548	874,865	12,081,119
Vanguard 500 Index Signal (VFIAX)	10,467,409	-801	-	-	-	-	1,057,679	11,524,287
DSM Large Cap Growth	11,092,328	-	69,902	-	-69,902	-1,478	836,682	11,927,531
Vanguard Mid-Cap Index Fund (VMCIX)	13,881,450	-441,800	-	-	-	-	1,173,908	14,613,557
Total International Equity	12,791,093	-828	-	-	-	-	481,258	13,271,523
American Funds EuroPacific Gr R6 (RERGX)	5,577,986	-414	-	-	-	-	269,528	5,847,099
WCM International Growth Fund (WCMIX)	7,213,107	-414	-	-	-	-	211,730	7,424,424
Total Fixed Income	21,752,299	1,846,496	23,443	-	-45,445	-27,570	545,346	24,094,569
Total Domestic Fixed Income	8,587,512	6,306,000	23,443		-23,443	-1,181	-73,787	14,818,544
Schroders Core Fixed Income	7,382,848	2,606,000	23,443	-	-23,443	-1,016	-69,752	9,918,080
Schroders TIPS	1,204,663	3,700,000	23,443	-	-23,443	-1,010	-4,035	4,900,463
	1,204,005	3,700,000	-	-	-	-105	-4,055	4,900,403
Total Global Fixed Income	7,886,706	-3,947,034	-	-	-	-	490,933	4,430,605
PIMCO Diversified Income Fund (PDIIX)	4,331,811	-267	-	-	-	-	99,062	4,430,605
Templeton Global Bond Fund (FBNRX)	3,554,896	-3,946,767	-	-	-	-	391,871	-
Total Non-Core Fixed Income	5,278,081	-512,470	-	-	-22,003	-26,389	128,200	4,845,420
LBC Credit Partners III	2,487,957	-316,972	-	-	-21,561	-24,048	61,564	2,186,941
Crescent Direct Lending Levered Fund	2,790,124	-195,498	-	-	-442	-2,341	66,636	2,658,479
Total Real Estate	8,716,972	-	-	-	-89,304	-	486,370	9,114,038
Intercontinental	5,611,868	-	-	-	-69,853	-	420,802	5,962,817
ASB RE	3,105,104	-	-	-	-19,451	-	65,568	3,151,221
Cash								
Receipt & Disbursement	276,858	-1,309,170	5,141,692	-2,793,716	-	-61,002	1,285	1,255,947
Mutual Fund Cash	1	6,103	-	-	-	-6,056	-	48
Boynton Beach Firefighters' Total Fund	90,286,211	-	5,283,187	-2,793,716	-252,801	-97,655	5,457,394	97,882,620



	QI	R	FY	TD	1`	(R	3`	ΥR	5	<b>ŕ</b> R	Ince	otion	Inceptio
Total Fund (Net)	5.27		5.51		11.99		6.71		8.61		5.33		Date 01/01/2002
Total Fund Policy	4.23		5.34		10.96		6.44		8.43		5.75		01/01/2002
Difference	1.04		0.17		1.03		0.27		0.18		-0.42		
Total Fund (Gross)	5.35	(8)	5.79	(31)	12.46	(18)	7.22	(2)	9.11	(8)	5.60	(87)	01/01/2002
Total Fund Policy	4.23	(64)	5.34	(48)	10.96	(48)	6.44	(13)	8.43	(23)	5.75	(83)	
Difference	1.12		0.45		1.50		0.78		0.68		-0.15		
All Public Plans-Total Fund Median	4.42		5.28		10.84		5.53		7.74		6.32		
Fotal Equity	7.63		7.45		15.46		7.29		11.08		4.28		10/01/2007
Total Equity Policy	6.31		9.37		17.05		7.57		11.10		5.48		
Difference	1.32		-1.92		-1.59		-0.28		-0.02		-1.20		
Total Domestic Equity	7.01	(35)	8.46	(65)	16.43	(48)	9.28	(20)	12.95	(24)	6.09	(54)	10/01/2007
Total Domestic Equity Policy	5.74	(53)	10.19	(36)	18.07	(30)	9.76	(14)	13.18	(18)	7.14	(28)	
Difference	1.27	(00)	-1.73	(00)	-1.64	(00)	-0.48	()	-0.23	(10)	-1.05	(20)	
IM U.S. All Cap Equity (SA+CF+MF) Median	5.84		9.41		16.12		7.55		11.81		6.22		
	0.04		0.41		10.12		1.00		11.01		0.22		
Total International Equity	10.07	(1)	3.76	(83)	11.91	(42)	0.21	(64)	4.73	(74)	-2.66	(100)	10/01/2007
Total International Equity Policy	7.98	(32)	6.69	(33)	13.70	(17)	1.03	(38)	4.84	(71)	0.17	(41)	
Difference	2.09		-2.93		-1.79		-0.82		-0.11		-2.83		
IM International Multi-Cap Core Equity (MF) Median	7.71		6.10		11.57		0.61		5.43		-0.10		
Fotal Fixed Income	1.27	(10)	2.29	(2)	6.29	(2)	5.37	(2)	4.56	(4)	5.33	(5)	10/01/2007
Total Fixed Income Policy	1.04	(16)	-2.33	(100)	0.09	(93)	1.62	(97)	1.38	(98)	3.63	(91)	
Difference	0.23		4.62		6.20		3.75		3.18		1.70		
IM U.S. Intermediate Duration (SA+CF) Median	0.81		-1.04		0.94		2.31		2.23		4.16		
Total Domestic Fixed Income	0.69	(94)	-1.22	(12)	0.47	(74)	2.55	(91)	2.35	(90)	4.18	(92)	10/01/2007
Total Domestic Fixed Income Policy	0.09	(88)	-1.35	(12)	0.47	(74)	2.22	(100)	1.80	(100)	3.81	(92)	10/01/2007
Difference	-0.09	(00)	0.13	(17)	-0.07	(r )	0.33	(100)	0.55	(100)	0.37	(90)	
IM U.S. Broad Market Core Fixed Income (SA+CF) Median	0.92		-1.89		-0.07		2.97		2.81		4.77		
	0.92		-1.09		1.01		2.97		2.01		4.77		
Total Global Fixed Income	3.39	(9)	6.74	(1)	11.00	(3)	3.80	(5)	4.51	(3)	4.78	(6)	03/01/2011
BofA Merrill Lynch Global Broad Market Index	1.54	(65)	-5.35	(83)	-1.84	(85)	-0.08	(60)	0.58	(71)	1.44	(60)	
Difference	1.85		12.09		12.84		3.88		3.93		3.34		
IM Global Fixed Income (MF) Median	1.96		-1.73		1.36		0.42		1.30		1.82		
Total Real Estate	1.58	(49)	5.59	(17)	10.71	(25)	13.00	(34)	13.36	(37)	13.01	(N/A)	05/01/2010
Total Real Estate Policy	1.81	(43)	4.01	(59)	8.60	(61)	11.95	(62)	11.98	(69)	13.63	(N/A)	
Difference	-0.23		1.58		2.11		1.05		1.38		-0.62		
IM U.S. Open End Private Real Estate (SA+CF) Median	1.51		4.11		8.66		12.31		12.75		N/A		

Returns for periods greater than one year are annualized. Returns are expressed as percentages. Parenthesized number represents pertinent peer group ranking: 1-100, best to worst Non-Core Fixed Income reported on IRR page.



**Comparative Performance Trailing Returns** 

**Total Fund** 

As of March 31, 2017

	QT	ſR	FY	тр	1`	ſR	3	YR	5 `	YR	Ince	ption	Inception Date
Domestic Equity													
Anchor All Cap Value Equity	5.43	(27)	7.82	(89)	19.07	(51)	8.11	(55)	12.93	(50)	13.97	(60)	08/01/2009
Russell 3000 Value Index	2.99	(76)	10.45	(56)	19.97	(41)	8.58	(49)	13.08	(43)	13.93	(63)	
Difference	2.44		-2.63		-0.90		-0.47		-0.15		0.04		
IM U.S. All Cap Value Equity (SA+CF) Median	4.36		11.08		19.11		8.40		12.86		14.38		
Vanguard 500 Index Signal (VFIAX)	6.05	(7)	10.11	(8)	17.13	(7)	10.35	(2)	13.26	(5)	7.40	(5)	12/01/2007
S&P 500 Index	6.07	(2)	10.12	(4)	17.17	(3)	10.37	(1)	13.30	(1)	7.44	(3)	
Difference	-0.02		-0.01		-0.04		-0.02		-0.04		-0.04		
IM S&P 500 Index (MF) Median	5.95		9.89		16.69		9.88		12.79		6.96		
DSM Large Cap Growth	10.75	(16)	7.54	(74)	12.68	(82)	10.28	(51)	13.08	(42)	14.28	(54)	11/01/2008
Russell 1000 Growth Index	8.91	(49)	10.01	(31)	15.76	(50)	11.27	(27)	13.32	(32)	15.25	(30)	
Difference	1.84		-2.47		-3.08		-0.99		-0.24		-0.97		
IM U.S. Large Cap Growth Equity (SA+CF) Median	8.79		8.99		15.61		10.28		12.73		14.45		
Vanguard Mid-Cap Index Fund (VMCIX)	6.19	(12)	8.46	(69)	16.73	(62)	8.65	(19)	N/A		12.38	(14)	07/01/2013
CRSP U.S. Mid Cap TR Index	6.20	(11)	8.48	(67)	16.80	(59)	8.73	(16)	13.04	(17)	12.46	(12)	
Difference	-0.01		-0.02		-0.07		-0.08		N/A		-0.08		
IM U.S. Mid Cap Core Equity (MF) Median	4.24		9.33		17.35		6.87		11.62		10.77		
International Equity													
WCM International Growth Fund (WCMIX)	10.62	(11)	2.94	(75)	11.00	(40)	N/A		N/A		5.86	(1)	04/01/2015
MSCI AC World ex USA	7.98	(62)	6.69	(9)	13.70	(10)	1.03	(63)	4.84	(65)	1.84	(36)	
Difference	2.64		-3.75		-2.70		N/A		N/A		4.02		
IM International Large Cap Growth Equity (MF) Median	8.30		4.32		10.21		1.47		5.25		1.22		
American Funds EuroPacific Gr R6 (RERGX)	9.37	(18)	4.83	(33)	13.10	(12)	N/A		N/A		1.86	(35)	04/01/2015
MSCI AC World ex USA	7.98	(62)	6.69	(9)	13.70	(10)	1.03	(63)	4.84	(65)	1.84	(36)	
Difference	1.39		-1.86		-0.60		N/A		N/A		0.02		
IM International Large Cap Growth Equity (MF) Median	8.30		4.32		10.21		1.47		5.25		1.22		



Comparative Performance Trailing Returns

**Total Fund** 

As of March 31, 2017

	QT	R	FY	TD	1 \	(R	3	YR	5`	ΥR	Ince	ption	Inception Date
Domestic Fixed Income													
Schroders Core Fixed Income	0.72	(75)	-1.32	(85)	0.33	(84)	2.72	(22)	2.62	(25)	4.33	(40)	04/01/2007
Schroders Core Fixed Income Policy	0.68	(81)	-1.38	(89)	0.35	(84)	2.25	(56)	1.95	(75)	3.89	(84)	
Difference	0.04		0.06		-0.02		0.47		0.67		0.44		
IM U.S. Intermediate Duration (SA+CF) Median	0.81		-1.04		0.94		2.31		2.23		4.22		
Schroders TIPS	1.14		-0.40		1.81		1.61		0.71		3.37		11/01/2007
Bloomberg Barclays U.S. TIPS Index	1.26		-1.18		1.48		2.03		0.97		3.97		
Difference	-0.12		0.78		0.33		-0.42		-0.26		-0.60		
Blmbg. Barc. U.S. TIPS 1-10 Year	1.05		-0.44		1.45		1.46		0.62		3.32		
Difference	0.09		0.04		0.36		0.15		0.09		0.05		
Global Fixed Income													
PIMCO Diversified Income Fund (PDIIX)	3.25	(10)	2.29	(8)	11.53	(2)	5.12	(1)	5.35	(1)	5.66	(1)	03/01/2011
Blmbg. Barc. Global Credit (Hedged)	1.52	(66)	-0.21	(25)	5.45	(21)	4.19	(2)	4.72	(1)	5.11	(4)	
Difference	1.73		2.50		6.08		0.93		0.63		0.55		
IM Global Fixed Income (MF) Median	1.96		-1.73		1.36		0.42		1.30		1.82		
Real Estate													
Intercontinental	1.71	(45)	7.52	(1)	13.78	(13)	13.85	(25)	14.35	(31)	13.55	(55)	04/01/2010
NCREIF ODCE	1.81	(43)	4.01	(59)	8.60	(61)	11.95	(62)	11.98	(69)	13.46	(69)	
Difference	-0.10	()	3.51	(/	5.18	()	1.90	(/	2.37	()	0.09	()	
IM U.S. Open End Private Real Estate (SA+CF) Median	1.51		4.11		8.66		12.31		12.75		13.80		
ASB RE	1.32	(78)	2.12	(100)	5.29	(100)	11.46	(74)	N/A		11.91	(76)	10/01/2012
NCREIF ODCE	1.81	(43)	4.01	(59)	8.60	(61)	11.95	(62)	11.98	(69)	12.05	(76)	
Difference	-0.49		-1.89		-3.31		-0.49		N/A		-0.14		
IM U.S. Open End Private Real Estate (SA+CF) Median	1.51		4.11		8.66		12.31		12.75		12.49		



# **Comparative Performance - IRR**

## As of March 31, 2017

Comparative Performance - IRR				
	QTR	1 YR	Inception	Inception Date
Total Non-Core Fixed Income	0.00	7.04	9.19	06/23/2014
Crescent Direct Lending Levered Fund	0.00	7.14	6.76	10/01/2014
LBC Credit Partners III	0.00	6.94	11.16	06/23/2014



FYTD     To     To     To     To     Sep-2016     Sep-2015     Sep-2013     Sep-2012     Sep-2011     Sep-2012     Sep-2011     Sep-2011     Sep-2012     Sep-2011     Sep-2011     Sep-2011     Sep-2011     Sep-2012     Sep-2012     Sep-2011     Sep-2012     Sep-2012     Sep-2011     Sep-2012     Sep-2012     Sep-2011     Sep-2011     Sep-2012     Sep-2012     Sep-2012     Sep-2012     Sep-2013     Sep-2012     Sep-2013     Sep-2012     Sep-2012     Sep-2013     Sep-2012     Sep-2013     Sep-2012     Sep-2013     Sep-2013     Sep-2013     Sep-2013     Sep-2013     Sep-2013     Sep-2013     Sep-2013     Sep-2013     <	6 0 87 (66) 96 (50) 59	To     Sep-2009     Sr       0.39     -16     0.46     -12       -0.07     -4     -4	Dct-2007 To Sep-2008 5.85 2.79 4.06
Total Fund Policy Difference   5.34   10.90   -0.09   10.72   12.75   18.46   2.14   9. -2.79   9.1     Total Fund (Gross)   5.79   (31)   12.13   (3)   1.23   (14)   10.82   (36)   13.73   (30)   17.43   (58)   -0.15   (61)   9.     Total Fund Policy Difference   5.34   (48)   10.90   (15)   -0.09   (39)   10.72   (38)   12.75   (46)   18.46   (37)   2.14   (14)   9.     Total Fund Policy Difference   0.45   1.23   1.32   0.10   0.98   -1.03   -2.29   -0.0     All Public Plans-Total Fund Median   5.28   9.67   -0.53   10.16   12.49   17.93   0.29   9.0     Total Equity Policy Difference   9.37   13.82   -0.96   13.04   21.99   24.13   -4.84   11.     Total Equity Policy Difference   9.37   13.68   -3.37   14.53   20.52   26.34   -2.27   10.9     Total Domestic Equity   8.46   (65)   14.32   (14)   -0.49 </th <th>6 0 87 (66) 96 (50) 59</th> <th>0.46 -12 -0.07 -4</th> <th>2.79</th>	6 0 87 (66) 96 (50) 59	0.46 -12 -0.07 -4	2.79
Difference   0.17   0.78   0.88   -0.45   0.44   -1.61   -2.79   -1.     Total Fund (Gross)   5.79   (31)   12.13   (3)   1.23   (14)   10.82   (36)   13.73   (30)   17.43   (58)   -0.15   (61)   9.     Total Fund Policy   5.34   (48)   10.90   (15)   -0.09   (39)   10.72   (38)   12.75   (46)   18.46   (37)   2.14   (14)   9.     Difference   0.45   1.23   1.32   0.10   0.98   -1.03   -2.29   -0.     All Public Plans-Total Fund Median   7.45   13.82   -0.96   13.04   21.99   24.13   -4.84   11.09     Total Equity Policy   9.37   13.68   -3.37   14.53   20.52   26.34   -2.27   10.9     Difference   9.37   13.68   -3.37   14.53   20.52   26.34   -2.27   10.9     Difference   9.37   13.68   -3.37   14.53   20.52   26.34   -2.27   10.9     Difference <th>66) 66 (50) 69</th> <th>-0.07 -4.</th> <th></th>	66) 66 (50) 69	-0.07 -4.	
Total Fund (Gross)   5.79 (31)   12.13 (3)   1.23 (14)   10.82 (36)   13.73 (30)   17.43 (58)   -0.15 (61)   9.     Total Fund Policy   5.34 (48)   10.90 (15)   -0.09 (39)   10.72 (38)   12.75 (46)   18.46 (37)   2.14 (14)   9.     Difference   0.45   1.23   1.32   0.10   0.98   -1.03   -2.29   -0.     All Public Plans-Total Fund Median   5.28   9.67   -0.53   10.16   12.49   17.93   0.29   9.     Total Equity   7.45   13.82   -0.96   13.04   21.99   24.13   -4.84   11.     Total Equity Policy   9.37   13.68   -3.37   14.53   20.52   26.34   -2.27   10.     Difference   -1.92   0.14   2.41   -1.49   1.47   -2.21   -2.57   1.4     Total Domestic Equity   8.46 (65)   14.32 (19)   0.63   (33)   17.31   (32)   22.27   (59)   27.05   (49)   -1.98   (53)   13.7     Total Domestic Equity Policy   10.19   (36)   14.96   (1	<b>666)</b> 6 (50)		1.06
Total Fund Policy   5.34 (48)   10.90 (15)   -0.09 (39)   10.72 (38)   12.75 (46)   18.46 (37)   2.14 (14)   9.1     Difference   0.45   1.23   1.32   0.10   0.98   -1.03   -2.29   -0.10     All Public Plans-Total Fund Median   5.28   9.67   -0.53   10.16   12.49   17.93   0.29   9.11     Total Equity   7.45   13.82   -0.96   13.04   21.99   24.13   -4.84   11.     Total Equity Policy   9.37   13.68   -3.37   14.53   20.52   26.34   -2.27   10.9     Difference   -1.92   0.14   2.41   -1.49   1.47   -2.21   -2.57   1.4     Total Domestic Equity   8.46 (65)   14.32 (19)   0.63 (33)   17.31   (32)   22.27   (59)   27.05   (49)   -1.98   (53)   13.9     Total Domestic Equity Policy   10.19   (36)   14.96   (14)   -0.45   0.67   -3.15   -2.53   2.     Difference   -1.73   -0.64   1.12   -0.45   0.67	96 (50) 59	0.75 (63) -16	
Difference   0.45   1.23   1.32   0.10   0.98   -1.03   -2.29   -0.     All Public Plans-Total Fund Median   5.28   9.67   -0.53   10.16   12.49   17.93   0.29   9.9     Total Equity   7.45   13.82   -0.96   13.04   21.99   24.13   -4.84   11.     Total Equity Policy   9.37   13.68   -3.37   14.53   20.52   26.34   -2.27   10.9     Difference   -1.92   0.14   2.41   -1.49   1.47   -2.21   -2.57   11.4     Total Domestic Equity   8.46   (65)   14.32   (19)   0.63   (33)   17.31   (32)   22.27   (59)   27.05   (49)   -1.98   (53)   13.9     Total Domestic Equity   Policy   10.19   (36)   14.96   (14)   -0.49   (43)   17.76   (27)   21.60   (65)   30.20   (20)   0.55   (30)   10.9   10.9   -2.53   2.55   2.55   2.55   2.55   2.55   2.55   2.55   2.53   2.55	59 Č		6.85 (92)
All Public Plans-Total Fund Median   5.28   9.67   -0.53   10.16   12.49   17.93   0.29   9.97     Total Equity   7.45   13.82   -0.96   13.04   21.99   24.13   -4.84   11.     Total Equity Policy   9.37   13.68   -3.37   14.53   20.52   26.34   -2.27   10.7     Difference   -1.92   0.14   2.41   -1.49   1.47   -2.21   -2.57   11.4     Total Domestic Equity Policy   8.46   (65)   14.32   (19)   0.63   (33)   17.31   (32)   22.27   (59)   27.05   (49)   -1.98   (53)   13.4     Total Domestic Equity Policy   10.19   (36)   14.96   (14)   -0.49   (43)   17.76   (27)   21.60   (65)   30.20   (20)   0.55   (30)   10.9     Difference   -1.73   -0.64   1.12   -0.45   0.67   -3.15   -2.53   2.5			2.79 (48)
Total Equity   7.45   13.82   -0.96   13.04   21.99   24.13   -4.84   11.     Total Equity Policy   9.37   13.68   -3.37   14.53   20.52   26.34   -2.27   10.     Difference   -1.92   0.14   2.41   -1.49   1.47   -2.21   -2.57   1.     Total Domestic Equity   8.46   (65)   14.32   (19)   0.63   (33)   17.31   (32)   22.27   (59)   27.05   (49)   -1.98   (53)   13.     Total Domestic Equity   10.19   (36)   14.96   (14)   -0.49   (43)   17.76   (27)   21.60   (65)   30.20   (20)   0.55   (30)   10.     Difference   -1.73   -0.64   1.12   -0.45   0.67   -3.15   -2.53   2.	3	0.29 -4	4.06
Total Equity Policy   9.37   13.68   -3.37   14.53   20.52   26.34   -2.27   10.     Difference   -1.92   0.14   2.41   -1.49   1.47   -2.21   -2.57   1.     Total Domestic Equity   8.46 (65)   14.32 (19)   0.63 (33)   17.31   (32)   22.27   (59)   27.05   (49)   -1.98   (53)   13.     Total Domestic Equity Policy   10.19   (36)   14.96   (14)   -0.49   (43)   17.76   (27)   21.60   (65)   30.20   (20)   0.55   (30)   10.9     Difference   -1.73   -0.64   1.12   -0.45   0.67   -3.15   -2.53   2.	0	1.59 -12.	2.96
Difference   -1.92   0.14   2.41   -1.49   1.47   -2.21   -2.57   1.     Total Domestic Equity   8.46 (65)   14.32 (19)   0.63 (33)   17.31   (32)   22.27   (59)   27.05   (49)   -1.98   (53)   13.     Total Domestic Equity Policy   10.19   (36)   14.96   (14)   -0.49   (43)   17.76   (27)   21.60   (65)   30.20   (20)   0.55   (30)   10.     Difference   -1.73   -0.64   1.12   -0.45   0.67   -3.15   -2.53   2.	1	-7.70 -26	6.59
Total Domestic Equity   8.46   (65)   14.32   (19)   0.63   (33)   17.31   (32)   22.27   (59)   27.05   (49)   -1.98   (53)   13.     Total Domestic Equity Policy   10.19   (36)   14.96   (14)   -0.49   (43)   17.76   (27)   21.60   (65)   30.20   (20)   0.55   (30)   10.19     Difference   -1.73   -0.64   1.12   -0.45   0.67   -3.15   -2.53   2.	/1	-4.64 -23	3.02
Total Domestic Equity Policy     10.19     (36)     14.96     (14)     -0.49     (43)     17.76     (27)     21.60     (65)     30.20     (20)     0.55     (30)     10.19       Difference     -1.73     -0.64     1.12     -0.45     0.67     -3.15     -2.53     2.	0	-3.06 -3.	3.57
Difference -1.73 -0.64 1.12 -0.45 0.67 -3.15 -2.53 2.	8 (29)	-8.26 (76) -24	4.14 (57)
	6 (44)	-6.15 (63) -21	1.77 (35)
IM U.S. All Cap Equity (SA+CE+ME) Median 9.41 10.97 -1.27 15.53 23.51 26.84 -1.75 10	2	-2.11 -2.	2.37
	:8	-4.46 -23	3.38
Total International Equity 3.76 (83) 11.88 (5) -7.06 (39) -0.43 (97) 20.93 (55) 15.82 (36) -13.23 (82) 2.	52 (78)	-4.87 (91) -39	9.20 (98)
Total International Equity Policy     6.69 (33)     9.80 (15)     -11.78 (87)     5.22 (31)     16.98 (83)     15.04 (49)     -10.42 (35)     6.1	0 (32)	3.80 (37) -30.	0.13 (35)
Difference -2.93 2.08 4.72 -5.65 3.95 0.78 -2.81 -4.	8	-8.67 -9.	9.07
IM International Multi-Cap Core Equity (MF) Median     6.10     6.07     -8.01     4.31     21.75     14.95     -11.12     4.31	·8	1.65 -31	1.09
Total Fixed Income     2.29     7.92     2.33     6.10     0.12     8.83     1.60     8.33	5	13.29 0.	).63
Total Fixed Income Policy     -2.33     5.57     0.64     2.14     -2.55     5.71     5.45     7.	8	9.19 3.	3.52
Difference     4.62     2.35     1.69     3.96     2.67     3.12     -3.85     0.4	7	4.10 -2.	2.89
Total Domestic Fixed Income -1.22 (12) 4.40 (97) 2.92 (62) 3.13 (97) -0.67 (23) 5.88 (78) 3.91 (94) 8.	25 (84)	13.29 (33) 0.	0.63 (67)
Total Domestic Fixed Income Policy     -1.35 (17)     4.07 (99)     2.32 (86)     2.55 (99)     -1.62 (77)     5.11 (93)     5.16 (58)     7.	<b>'</b> 8 (94)	9.19 (91) 3.	3.52 (36)
Difference 0.13 0.33 0.60 0.58 0.95 0.77 -1.25 0.	7	4.10 -2.	2.89
IM U.S. Broad Market Core Fixed Income (SA+CF) Median     -1.89     5.67     3.02     4.50     -1.26     6.61     5.26     9.1	.6	12.28 2.	2.55
Total Global Fixed Income 6.74 (1) 6.97 (55) -4.30 (59) 6.22 (13) 1.63 (6) 14.77 (3) N/A N	Α	N/A N	N/A
BofA Merrill Lynch Global Broad Market Index -5.35 (83) 8.56 (29) -2.44 (32) 1.45 (79) -2.65 (61) 5.10 (85) 4.18 (9) 6.1	22 (77)	13.36 (58) 2.	2.80 (14)
Difference 12.09 -1.59 -1.86 4.77 4.28 9.67 N/A N	A	N/A N	N/A
IM Global Fixed Income (MF) Median     -1.73     7.24     -3.76     3.41     -1.80     7.18     1.77     7.18	8	13.86 -1.	1.37
Total Real Estate 5.59 (17) 12.33 (33) 14.34 (66) 13.66 (37) 16.37 (20) 12.16 (60) 16.52 (54) N	A	N/A N	N/A
Total Real Estate Policy     4.01 (59)     10.62 (66)     14.71 (64)     12.39 (70)     12.47 (69)     11.77 (66)     18.03 (41)     6.	4 (50)	-36.09 (54) 3.	3.73 (44)
Difference 1.58 1.71 -0.37 1.27 3.90 0.39 -1.51 N	4 (52)	-36.09 (54) 3.	
IM U.S. Open End Private Real Estate (SA+CF) Median 4.11 11.02 15.54 12.90 13.22 12.90 16.62 6.1	· · · ·		N/A

Returns for periods greater than one year are annualized. Returns are expressed as percentages. Parenthesized number represents pertinent peer group ranking: 1-100, best to worst . Non-Core Fixed income reported on IRR page.



**Comparative Performance Fiscal Year Returns** 

**Total Fund** 

As of March 31, 2017

														A	IS OT IN	larch 31	, 201
	FYTD	Oct-2015 To Sep-2016	То		t-2013 To p-2014	Oct⊰ T Sep-			2011 o 2012	Oct-2 To Sep-2	0	Oct-/ T Sep-	0	Oct-2 To Sep-2	0	Oct-2 To Sep-2	0
Domestic Equity																	
Anchor All Cap Value Equity	7.82 (89	) 20.49 (9)	-7.19 (8	32) 17.8	5 (22)	22.80	(71)	23.97	(75)	3.61	(17)	12.47	(42)	N/A		N/A	
Russell 3000 Value Index	10.45 (56	) 16.38 (27	-4.22 (6	66) 17.6	6 (25)	22.67	(72)	31.05	(19)	-2.22	(61)	9.15	(73)	-10.79	(94)	-22.70	(75
Difference	-2.63	4.11	-2.97	0.1	9	0.13		-7.08		5.83		3.32		N/A		N/A	
IM U.S. All Cap Value Equity (SA+CF) Median	11.08	13.89	-2.73	15.2	9	26.30		27.71		-1.25		10.99		-3.35		-19.59	
Dalton All Cap Value Equity	N/A	N/A	N/A	N/	4	N/A		22.28	(83)	-5.44	(91)	17.46	(13)	N/A		N/A	
Russell 3000 Value Index	10.45 (56	) 16.38 (27	-4.22 (6	66) 17.6	6 (25)	22.67	(72)	31.05	(19)	-2.22	(61)	9.15	(73)	-10.79	(94)	-22.70	(75
Difference	N/A	N/A	N/A	N/.	4	N/A		-8.77		-3.22		8.31		N/A		N/A	
IM U.S. All Cap Value Equity (SA+CF) Median	11.08	13.89	-2.73	15.2	9	26.30		27.71		-1.25		10.99		-3.35		-19.59	
Vanguard 500 Index Signal (VFIAX)	10.11 (8)	15.39 (8)	-0.60 (1	1) 19.6	5 (7)	19.31	(3)	29.99	(18)	0.99	(16)	10.16	(4)	-6.80	(10)	N/A	
S&P 500 Index	10.12 (4)	15.43 (3)	-0.61 (2	2) 19.7	3 (1)	19.34	(1)	30.20	(1)	1.14	(2)	10.16	(4)	-6.91	(21)	-21.98	(10)
Difference	-0.01	-0.04	0.01	-0.0	8	-0.03		-0.21		-0.15		0.00		0.11		N/A	
IM S&P 500 Index (MF) 1st Quartile	10.01	15.23	-0.79	19.4	8	19.10		29.93		0.90		9.95		-6.97		-22.13	
DSM Large Cap Growth	7.54 (74	) 9.51 (74	8.57 (7	7) 17.2	2 (61)	19.76	(58)	35.68	(4)	-0.82	(73)	17.48	(9)	N/A		N/A	
Russell 1000 Growth Index	10.01 (31	) 13.76 (22	3.17 (5	55) 19.1	5 (39)	19.27	(64)	29.19	(38)	3.78	(30)	12.65	(35)	-1.85	(37)	-20.88	(54)
Difference	-2.47	-4.25	5.40	-1.9	3	0.49		6.49		-4.60		4.83		N/A		N/A	
IM U.S. Large Cap Growth Equity (SA+CF) Median	8.99	11.75	3.60	18.1	2	20.26		27.62		1.37		11.29		-3.03		-20.30	
Vanguard Mid-Cap Index Fund (VMCIX)	8.46 (69	) 12.65 (39	1.61 (2	25) 15.8	9 (14)	N/A		N/A		N/A		N/A		N/A		N/A	
CRSP U.S. Mid Cap TR Index	8.48 (67	) 12.68 (39	1.76 (2	24) 15.9	4 (14)	28.08	(35)	26.23	(48)	-0.18	(24)	18.04	(7)	-4.75	(57)	-23.20	(65)
Difference	-0.02	-0.03	-0.15	-0.0	5	N/A		N/A		N/A		N/A		N/A		N/A	
IM U.S. Mid Cap Core Equity (MF) Median	9.33	11.87	-1.35	12.3	7	27.41		26.03		-3.64		13.51		-4.12		-21.47	
International Equity																	
Manning & Napier Overseas (EXOSX)	N/A	N/A	N/A	-0.4	3 (97)	20.93	(55)	16.04	(34)	-12.54	(75)	2.52	(78)	N/A		N/A	
Total International Equity Policy	6.69 (33	9.80 (15	-11.78 (8	37) 5.2	2 (31)	16.98	(83)	15.04	(49)	-10.42	(35)	6.90	(32)	3.80	(37)	-30.13	(35)
Difference	N/A	N/A	N/A	-5.6	5	3.95		1.00		-2.12		-4.38		N/A		N/A	
IM International Multi-Cap Core Equity (MF) Median	6.10	6.07	-8.01	4.3	1	21.75		14.95		-11.12		4.48		1.65		-31.09	
American Funds EuroPacific Gr R6 (RERGX)	4.83 (33	) 8.52 (27	N/A	N/	4	N/A		N/A		N/A		N/A		N/A		N/A	
MSCI AC World ex USA	6.69 (9)	9.80 (16	-11.78 (9	98) 5.2	2 (33)	16.98	(63)	15.04	(75)	-10.42	(46)	8.00	(48)	6.43	(16)	-29.97	(70)
Difference	-1.86	-1.28	N/A	N/.	4	N/A		N/A		N/A		N/A		N/A		N/A	
IM International Large Cap Growth Equity (MF) Median	4.32	7.18	-5.67	4.4	0	18.14		17.48		-10.78		7.63		1.79		-27.87	
WCM International Growth Fund (WCMIX)	2.94 (75	) 14.84 (8)	N/A	N/	4	N/A		N/A		N/A		N/A		N/A		N/A	
MSCI AC World ex USA	6.69 (9)	9.80 (16	-11.78 (9	98) 5.2	2 (33)	16.98	(63)	15.04	(75)	-10.42	(46)	8.00	(48)	6.43	(16)	-29.97	(70)
Difference	-3.75	5.04	N/A	N/.	٩ <sup>(</sup>	N/A		N/A		N/A		N/A		N/A		N/A	
IM International Large Cap Growth Equity (MF) Median	4.32	7.18	-5.67	4.4	0	18.14		17.48		-10.78		7.63		1.79		-27.87	

Returns for periods greater than one year are annualized. Returns are expressed as percentages. Parenthesized number represents pertinent peer group ranking: 1-100, best to worst . Non-Core Fixed income reported on IRR page.



Comparative Performance Fiscal Year Returns

**Total Fund** 

As of March 31, 2017

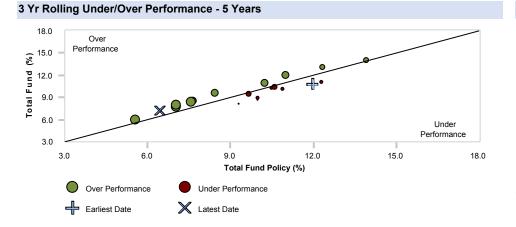
									ASOIN	iarch 31, 2017
	FYTD	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015	Oct-2013 To Sep-2014	Oct-2012 To Sep-2013	Oct-2011 To Sep-2012	Oct-2010 To Sep-2011	Oct-2009 To Sep-2010	Oct-2008 To Sep-2009	Oct-2007 To Sep-2008
Domestic Fixed Income										
Schroders Core Fixed Income	-1.32 (85)	4.31 (28)	3.50 (8)	3.46 (28)	0.04 (32)	5.63 (47)	3.20 (71)	8.34 (46)	14.83 (11)	-0.36 (88)
Schroders Core Fixed Income Policy	-1.38 (89)	3.57 (72)	2.95 (30)	2.74 (58)	-0.71 (77)	4.31 (83)	4.22 (23)	7.52 (77)	9.69 (81)	4.16 (36)
Difference	0.06	0.74	0.55	0.72	0.75	1.32	-1.02	0.82	5.14	-4.52
IM U.S. Intermediate Duration (SA+CF) Median	-1.04	3.90	2.70	2.87	-0.27	5.57	3.60	8.25	11.50	3.26
Schroders TIPS	-0.40	5.19	-0.85	0.77	-4.47	6.96	7.69	7.59	3.80	N/A
Bloomberg Barclays U.S. TIPS Index	-1.18	6.58	-0.83	1.59	-6.10	9.10	9.87	8.89	5.67	6.20
Difference	0.78	-1.39	-0.02	-0.82	1.63	-2.14	-2.18	-1.30	-1.87	N/A
Blmbg. Barc. U.S. TIPS 1-10 Year	-0.44	4.83	-0.82	0.61	-3.90	6.32	7.19	7.40	4.02	7.89
Difference	0.04	0.36	-0.03	0.16	-0.57	0.64	0.50	0.19	-0.22	N/A
Global Fixed Income										
PIMCO Diversified Income Fund (PDIIX)	2.29 (8)	12.59 (2)	-1.10 (26)	6.09 (16)	0.35 (24)	16.25 (2)	N/A	N/A	N/A	N/A
Blmbg. Barc. Global Credit (Hedged)	-0.21 (25)	9.19 (23)	0.86 (17)	6.83 (9)	1.46 (9)	11.61 (7)	1.69 (53)	11.05 (29)	15.99 (29)	-4.40 (80)
Difference	2.50	3.40	-1.96	-0.74	-1.11	4.64	N/A	N/A	N/A	N/A
IM Global Fixed Income (MF) Median	-1.73	7.24	-3.76	3.41	-1.80	7.18	1.77	7.68	13.86	-1.37
Templeton Global Bond Fund (FBNRX)	N/A	0.84 (100)	-7.57 (91)	6.35 (12)	3.52 (2)	13.25 (4)	N/A	N/A	N/A	N/A
Citigroup World Government Bond Index	-7.11 (97)	9.71 (18)	-3.83 (51)	-0.07 (96)	-4.60 (82)	3.29 (96)	4.61 (8)	4.99 (89)	13.78 (51)	5.90 (5)
Difference	N/A	-8.87	-3.74	6.42	8.12	9.96	N/A	N/A	N/A	N/A
IM Global Fixed Income (MF) Median	-1.73	7.24	-3.76	3.41	-1.80	7.18	1.77	7.68	13.86	-1.37
Real Estate										
Intercontinental	7.52 (1)	13.30 (21)	13.96 (68)	14.10 (31)	18.21 (10)	12.21 (60)	16.52 (54)	N/A	N/A	N/A
NCREIF ODCE	4.01 (59)	10.62 (66)	14.71 (64)	12.39 (70)		11.77 (66)	18.03 (41)	6.14 (52)	-36.09 (54)	3.73 (44)
Difference	3.51	2.68	-0.75	1.71	5.74	0.44	-1.51	N/A	N/A	N/A
IM U.S. Open End Private Real Estate (SA+CF) Median	4.11	11.02	15.54	12.90	13.22	12.90	16.62	6.39	-34.80	2.98
ASB RE	2.12 (100)	10.61 (67)	15.01 (62)	12.85 (51)	13.20 (51)	N/A	N/A	N/A	N/A	N/A
NCREIF ODCE	4.01 (59)	10.62 (66)	14.71 (64)	12.39 (70)	12.47 (69)	11.77 (66)	18.03 (41)	6.14 (52)	-36.09 (54)	3.73 (44)
Difference	-1.89	-0.01	0.30	0.46	0.73	N/A	N/A	N/A	N/A	N/A
IM U.S. Open End Private Real Estate (SA+CF) Median	4.11	11.02	15.54	12.90	13.22	12.90	16.62	6.39	-34.80	2.98

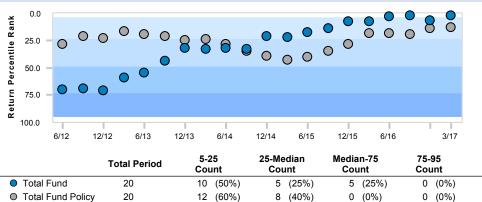
Returns for periods greater than one year are annualized. Returns are expressed as percentages. Parenthesized number represents pertinent peer group ranking: 1-100, best to worst . Non-Core Fixed income reported on IRR page.



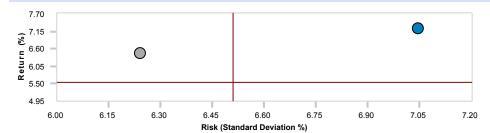








#### Peer Group Scattergram - 3 Years

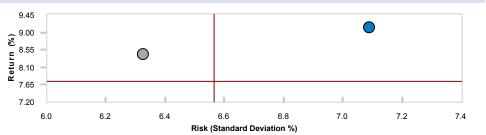


100.00

100.00

#### Peer Group Scattergram - 5 Years

N/A



1.30

1.00

	Return	Standard Deviation		Return	Standard Deviation
Total Fund	7.22	7.05	Total Fund	9.11	7.09
Total Fund Policy	6.44	6.24	Total Fund Policy	8.43	6.33
Median	5.54	6.51	Median	7.74	6.57

#### **Historical Statistics - 3 Years**

**Total Fund Policy** 

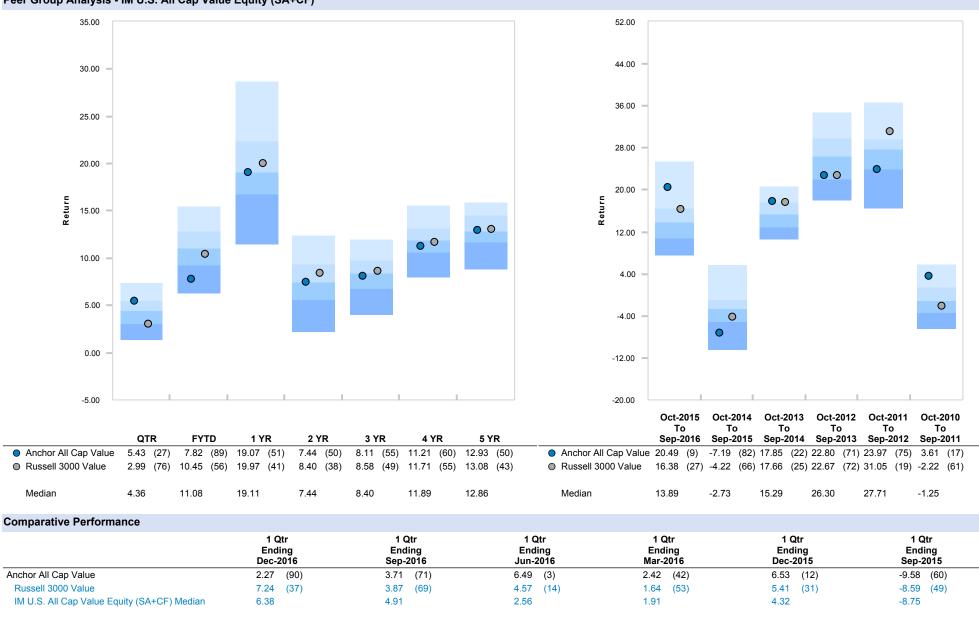
0.00

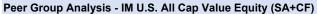
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Total Fund	1.26	110.83	109.32	0.03	0.62	1.01	1.12	4.02
Total Fund Policy	0.00	100.00	100.00	0.00	N/A	1.01	1.00	3.46
Historical Statistics	- 5 Years							
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Total Fund	1.20	108.87	110.03	-0.24	0.56	1.25	1.11	4.05



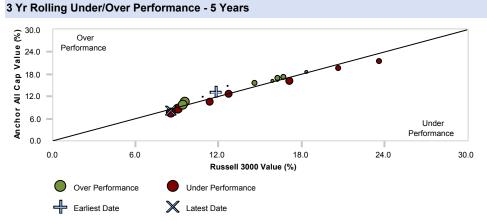
3.53

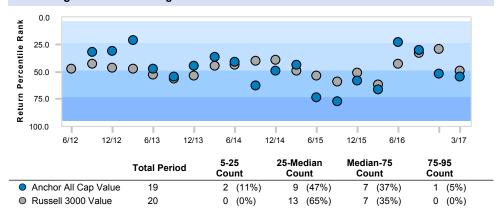
0.00



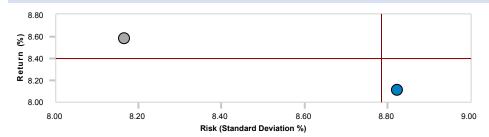




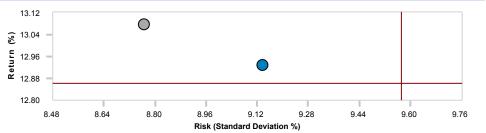




#### Peer Group Scattergram - 3 Years



## Peer Group Scattergram - 5 Years



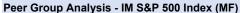
	Return	Standard Deviation		Return	Standard Deviation
Anchor All Cap Value	8.11	8.82	Anchor All Cap Value	12.93	9.14
Russell 3000 Value	8.58	8.16	Russell 3000 Value	13.08	8.77
Median	8.40	8.79	Median	12.86	9.57

#### **Historical Statistics - 3 Years**

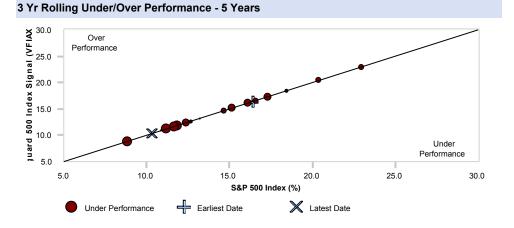
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Anchor All Cap Value	3.27	96.14	97.06	0.00	-0.13	0.78	0.95	6.30
Russell 3000 Value	0.00	100.00	100.00	0.00	N/A	0.82	1.00	6.12
Historical Statistics -	5 Years							
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Anchor All Cap Value	3.39	92.84	85.04	1.22	-0.06	1.27	0.89	5.41
Russell 3000 Value	0.00	100.00	100.00	0.00	N/A	1.21	1.00	5.94

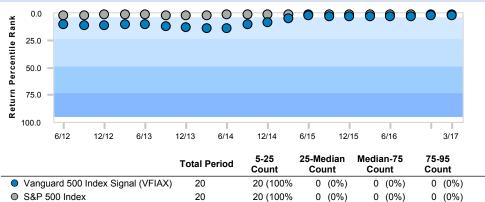




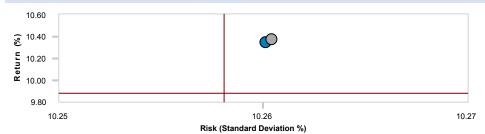








### Peer Group Scattergram - 3 Years



#### Peer Group Scattergram - 5 Years



Risk (Standard Deviation %)

	Return	Standard Deviation		Return	Standard Deviation
Vanguard 500 Index Signal (VFIAX)	10.35	10.26	Vanguard 500 Index Signal (VFIAX)	13.26	10.12
S&P 500 Index	10.37	10.26	S&P 500 Index	13.30	10.12
Median	9.88	10.26	Median	12.79	10.12

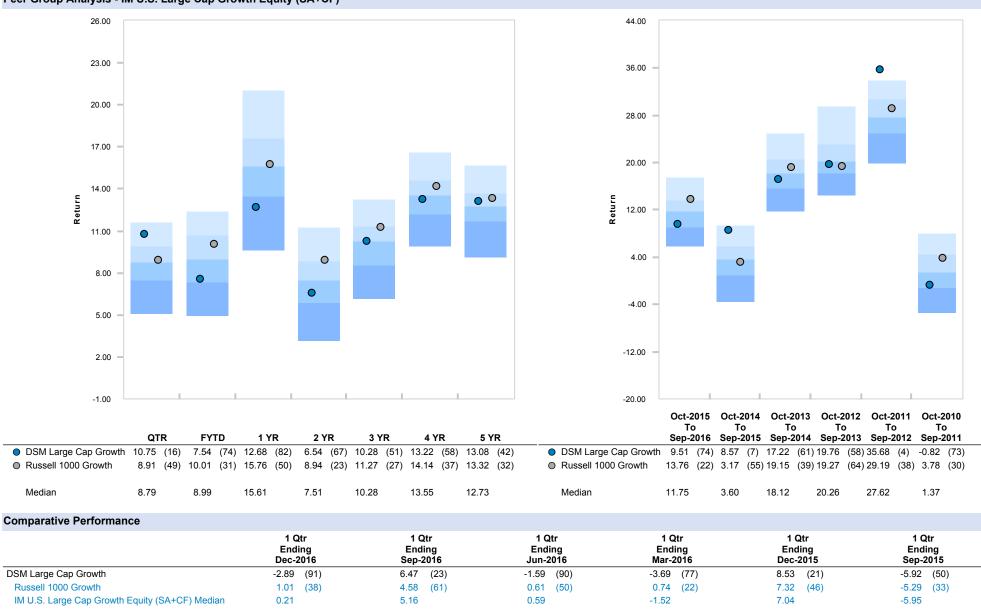
**Historical Statistics - 3 Years** 

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Vanguard 500 Index Signal (VFIAX)	0.03	99.93	100.09	-0.02	-0.76	1.00	1.00	5.55
S&P 500 Index	0.00	100.00	100.00	0.00	N/A	1.00	1.00	5.54

#### **Historical Statistics - 5 Years**

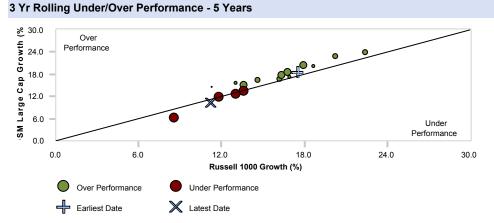
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Vanguard 500 Index Signal (VFIAX)	0.03	99.87	100.10	-0.04	-1.30	1.28	1.00	5.56
S&P 500 Index	0.00	100.00	100.00	0.00	N/A	1.28	1.00	5.55

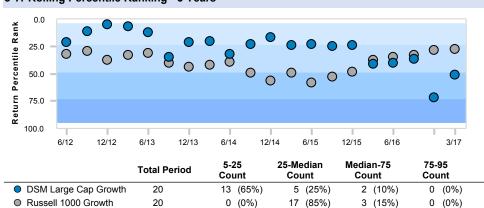




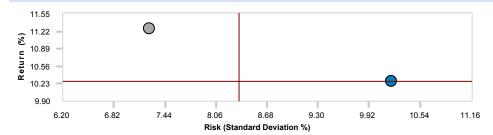
#### Peer Group Analysis - IM U.S. Large Cap Growth Equity (SA+CF)



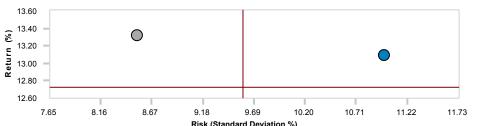




#### Peer Group Scattergram - 3 Years



#### Peer Group Scattergram - 5 Years



	Return	Standard Deviation	
DSM Large Cap Growth	10.28	10.19	DSM Large
Russell 1000 Growth	11.27	7.25	Russell 100
Median	10.28	8.34	Median

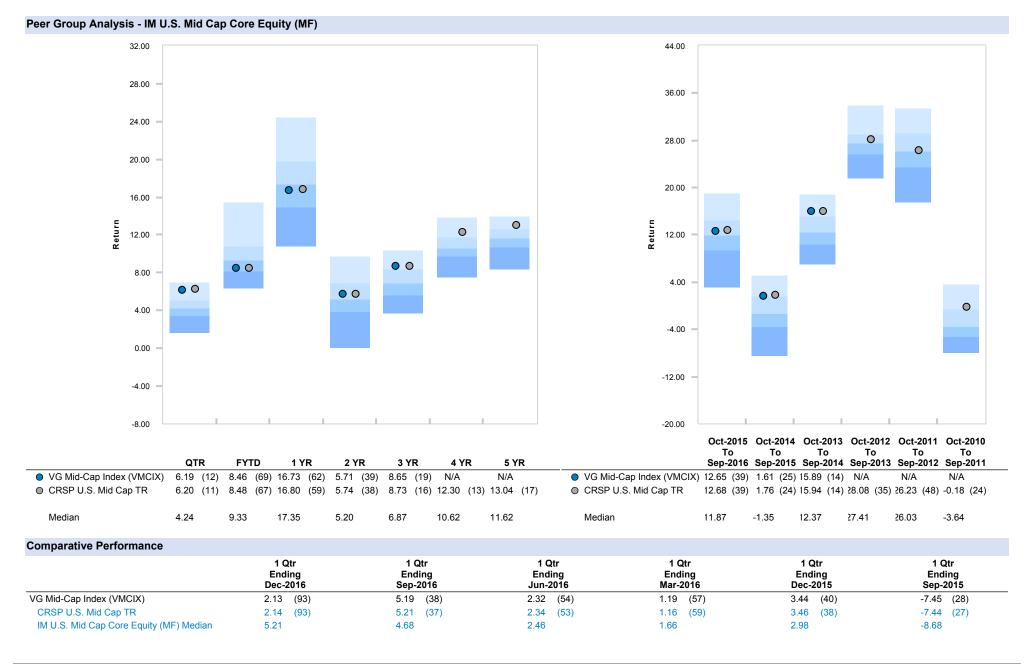
	Return	Standard Deviation
DSM Large Cap Growth	13.08	11.00
Russell 1000 Growth	13.32	8.53
Median	12.73	9.58

#### **Historical Statistics - 3 Years**

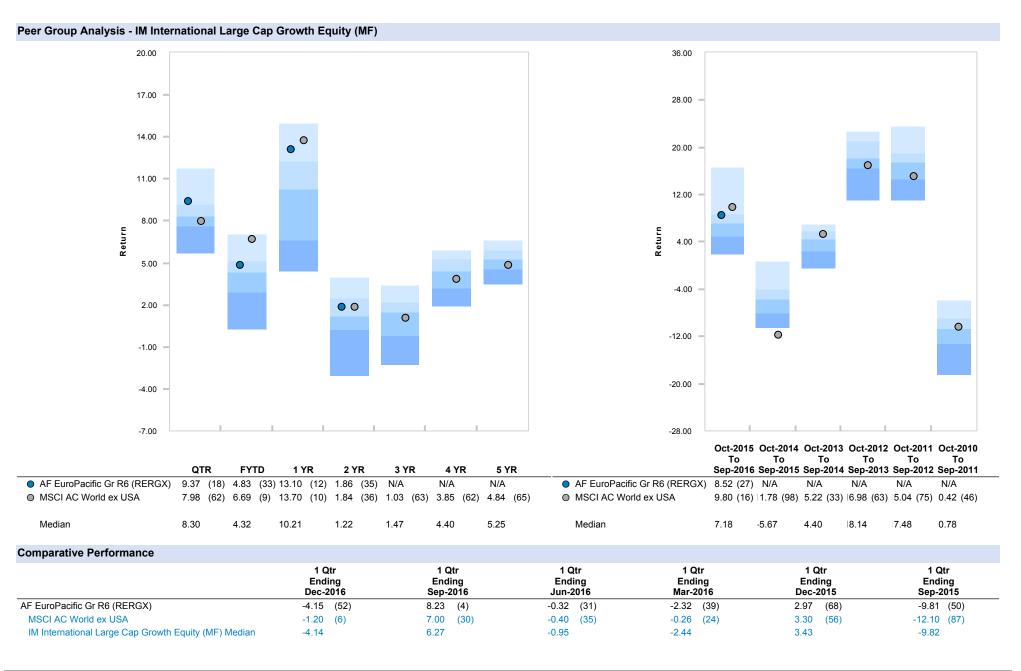
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
DSM Large Cap Growth	4.58	104.50	116.98	-1.92	-0.15	0.82	1.11	7.35
Russell 1000 Growth	0.00	100.00	100.00	0.00	N/A	1.03	1.00	5.64
Historical Statistics - 5	Years							
	Trocking	Up	Down		Information	Sharpa		Downoido

	Tracking Error	Market Capture	Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
DSM Large Cap Growth	4.62	109.58	122.91	-1.77	0.01	1.02	1.14	7.24
Russell 1000 Growth	0.00	100.00	100.00	0.00	N/A	1.23	1.00	5.67

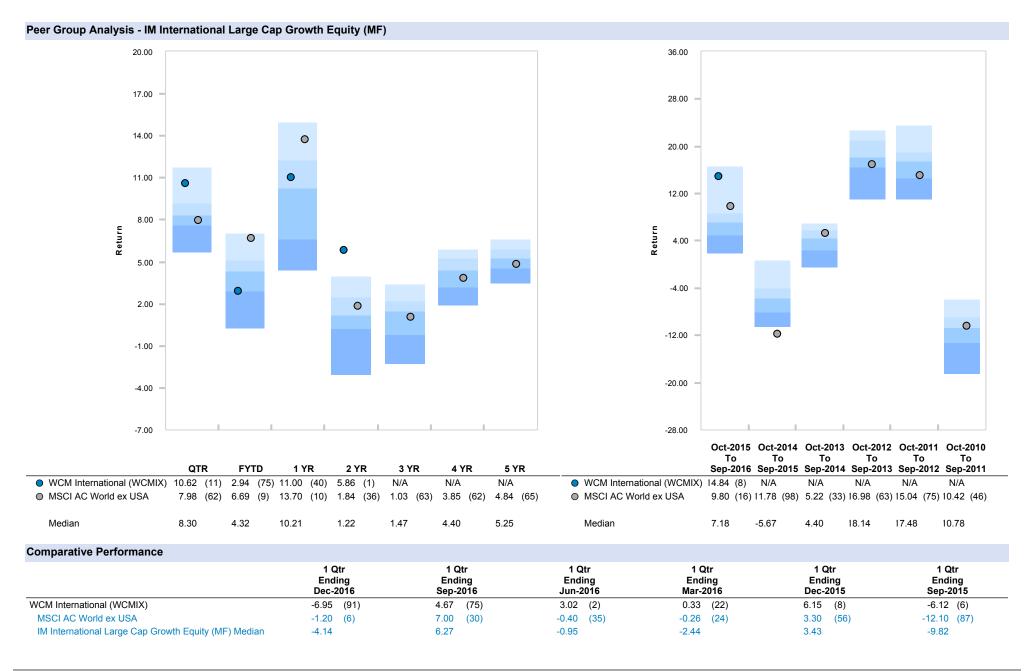




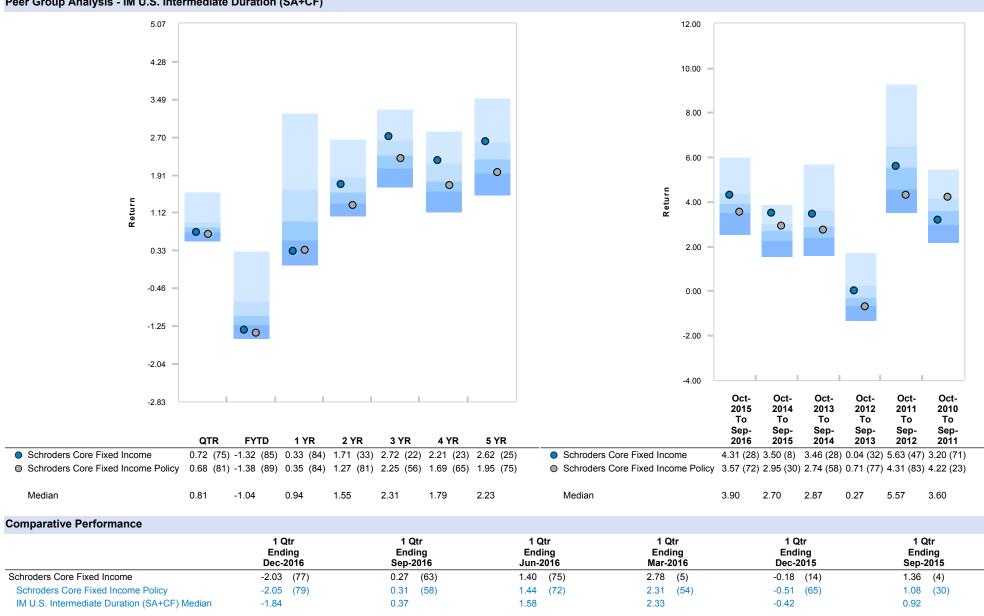


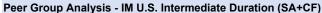






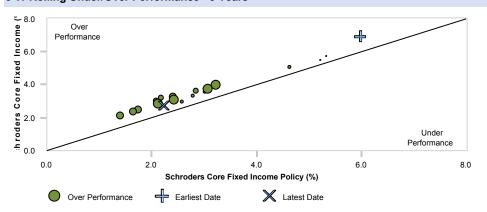






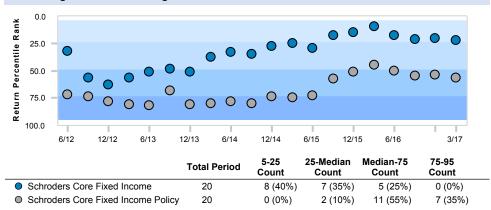


## Performance Review Schroders Core Fixed Income As of March 31, 2017

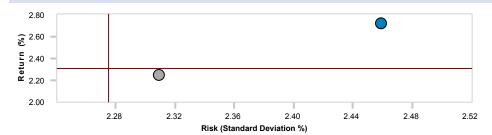


#### 3 Yr Rolling Under/Over Performance - 5 Years





#### Peer Group Scattergram - 3 Years

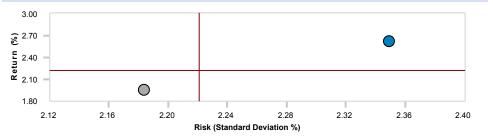


Return 2.72

2.25

2.31

#### Peer Group Scattergram - 5 Years



Standard Deviation		Return	Standard Deviation
2.46	Schroders Core Fixed Income	2.62	2.35
2.31	Schroders Core Fixed Income Policy	1.95	2.18
2.28	Median	2.23	2.22

#### **Historical Statistics - 3 Years**

\_\_\_ Median

Schroders Core Fixed Income
Schroders Core Fixed Income Policy

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Schroders Core Fixed Income	0.45	112.08	100.28	0.26	1.04	1.14	1.09	1.20
Schroders Core Fixed Income Policy	0.00	100.00	100.00	0.00	N/A	1.03	1.00	1.18

#### **Historical Statistics - 5 Years**

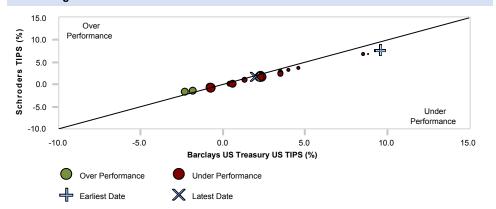
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Schroders Core Fixed Income	0.47	116.42	98.39	0.49	1.38	1.11	1.08	1.29
Schroders Core Fixed Income Policy	0.00	100.00	100.00	0.00	N/A	0.90	1.00	1.25





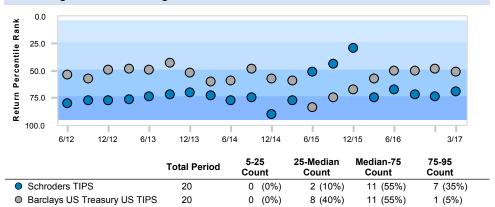


39

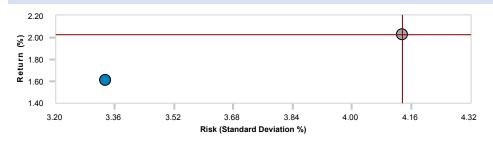


#### 3 Yr Rolling Under/Over Performance - 5 Years

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

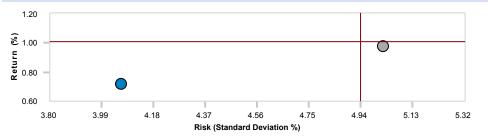


#### Peer Group Scattergram - 3 Years



	Return	Standard Deviation
Schroders TIPS	1.61	3.34
Barclays US Treasury US TIPS	2.03	4.14
Median	2.03	4.14

#### Peer Group Scattergram - 5 Years



	Return	Standard Deviation
Schroders TIPS	0.71	4.06
Barclays US Treasury US TIPS	0.97	5.02
Median	1.01	4.94

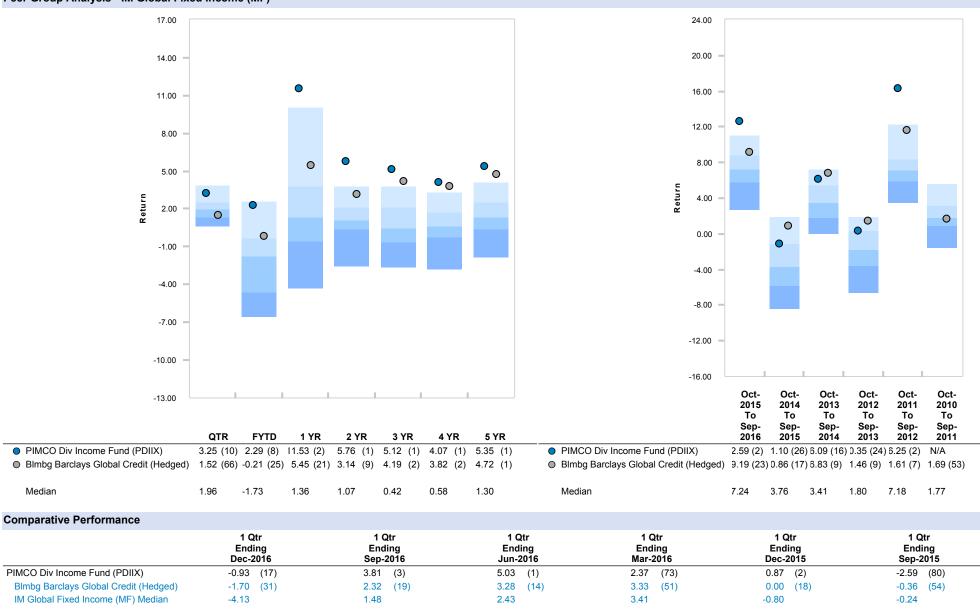
**Historical Statistics - 3 Years** 

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Schroders TIPS	1.31	78.70	78.58	0.02	-0.34	0.47	0.78	1.94
Barclays US Treasury US TIPS	0.00	100.00	100.00	0.00	N/A	0.50	1.00	2.38

#### **Historical Statistics - 5 Years**

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Schroders TIPS	1.63	73.09	73.33	-0.02	-0.19	0.19	0.73	2.60
Barclays US Treasury US TIPS	0.00	100.00	100.00	0.00	N/A	0.21	1.00	3.34

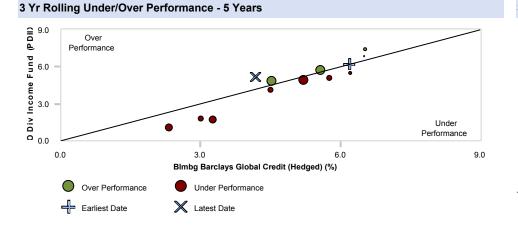




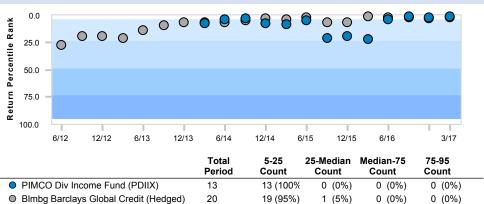




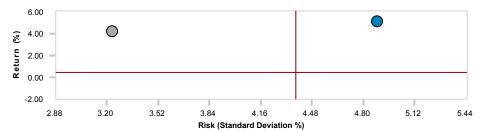
## Performance Review PIMCO Div Income Fund (PDIIX) As of March 31, 2017



3 Yr Rolling Percentile Ranking - 5 Years

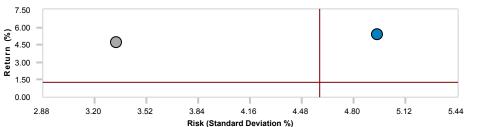


#### Peer Group Scattergram - 3 Years



# ReturnStandard<br/>DeviationPIMCO Div Income Fund (PDIIX)5.124.89BImbg Barclays Global Credit (Hedged)4.193.24Median0.424.38

# Peer Group Scattergram - 5 Years



	Return	Standard Deviation
PIMCO Div Income Fund (PDIIX)	5.35	4.95
Blmbg Barclays Global Credit (Hedged)	4.72	3.33
Median	1.30	4.59

**Historical Statistics - 3 Years** 

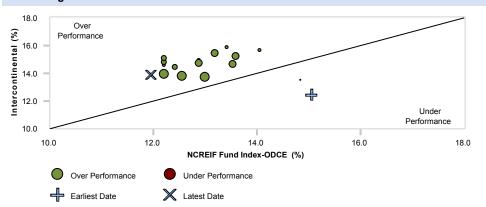
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
PIMCO Div Income Fund (PDIIX)	2.84	134.55	152.56	-0.10	0.34	1.02	1.26	2.91
Blmbg Barclays Global Credit (Hedged)	0.00	100.00	100.00	0.00	N/A	1.25	1.00	1.75
Historical Statistics - 5 Voars								

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
PIMCO Div Income Fund (PDIIX)	2.61	127.94	151.57	-0.70	0.26	1.06	1.30	3.16
Blmbg Barclays Global Credit (Hedged)	0.00	100.00	100.00	0.00	N/A	1.37	1.00	1.91



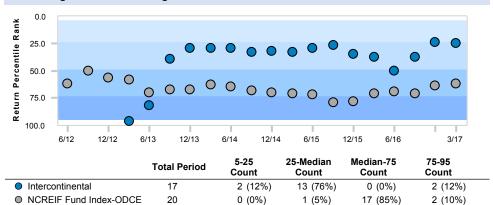




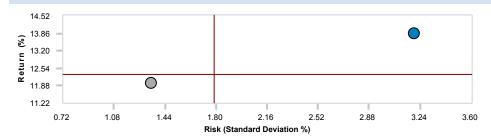


#### 3 Yr Rolling Under/Over Performance - 5 Years

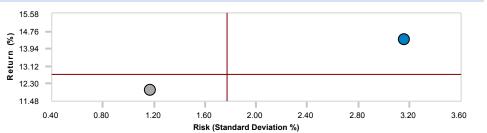
#### 3 Yr Rolling Percentile Ranking - 5 Years



#### Peer Group Scattergram - 3 Years



#### Peer Group Scattergram - 5 Years



	Return	Standard Deviation	
Intercontinental	13.85	3.20	Intercontine
NCREIF Fund Index-ODCE	11.95	1.34	NCREIF Fur
Median	12.31	1.79	Median

	Return	Standard Deviation
Intercontinental	14.35	3.16
NCREIF Fund Index-ODCE	11.98	1.18
Median	12.75	1.77

#### **Historical Statistics - 3 Years**

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Intercontinental	3.27	115.46	N/A	0.56	0.54	2.09	1.11	0.00
NCREIF Fund Index-ODCE	0.00	100.00	N/A	0.00	N/A	2.33	1.00	0.00

#### **Historical Statistics - 5 Years**

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Intercontinental	3.28	119.23	N/A	0.46	0.67	2.12	1.15	0.00
NCREIF Fund Index-ODCE	0.00	100.00	N/A	0.00	N/A	2.36	1.00	0.00

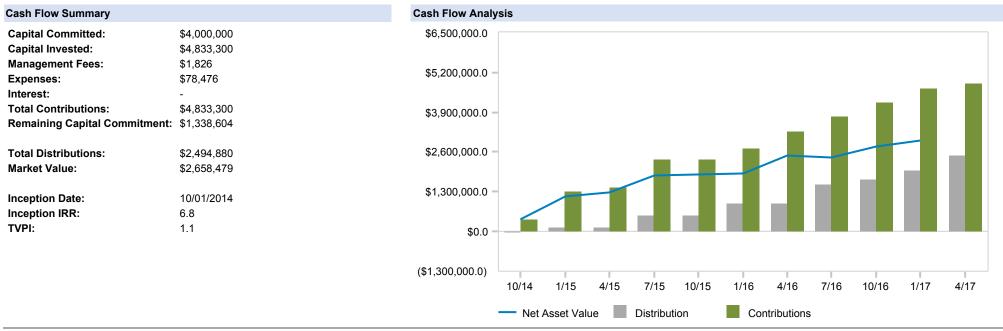






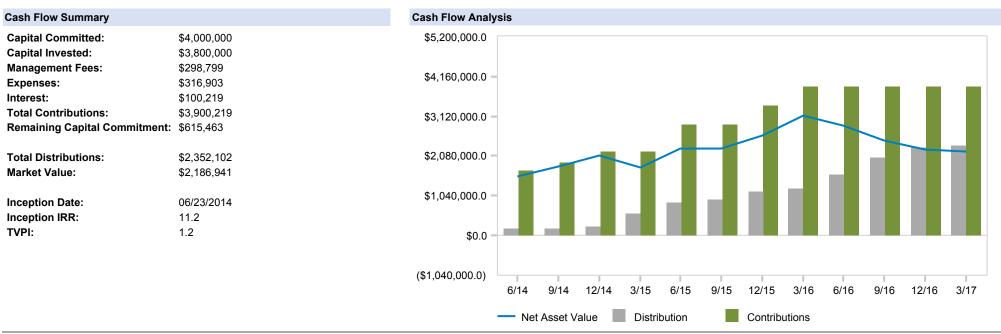
Fund Information			
Type of Fund:	Direct	Vintage Year:	2014
Strategy Type:	Other	Management Fee:	1.35% of invested equity capital
Size of Fund:	-	Preferred Return:	7.00%
Inception:	09/05/2014	General Partner:	CDL Levered General Partner, Ltd.
Final Close:	9/5/2015 expected	Number of Funds:	
Investment Strategy:	High Current income while focusing on preservation of capital through investmen	t primarily in senior sec	ured loans of private U.S. lower-middle-market companies. The Fund will seek to

stment Strategy: High Current income while focusing on preservation of capital through investment primarily in senior secured loans of private U.S. lower-middle-market companies. The Fund will seek to enhance returns on its investments through the use of leverage. Fund size is \$250 million/ \$500 million with leverage.





Fund Information			
Type of Fund:	Other	Vintage Year:	2013
Strategy Type:	Other	Management Fee:	1.50%
Size of Fund:	839,030,000	Preferred Return:	8.00%
Inception:	12/19/2012	General Partner:	LBC Credit Funding III L.P.
Final Close:	5/23/2014	Number of Funds:	
Investment Strategy	: Provider of middle market financing including senior term, unitranche, second lier	n, junior secured, and m	nezzanine debt; and equity co-investments to companies with EBITDA generally.





# Historical Hybrid Composition

# **Total Fund Policy**

As of March 31, 2017

Total Fund Policy	
Allocation Mandate	Weight (%)
Jan-1979	
S&P 500 Index	65.00
3 Year U.S. Treasury Note	30.00
Citigroup 3 Month T-Bill Index	5.00
Jul-2007	
Citigroup 3 Month T-Bill Index	5.00
Bloomberg Barclays Intermed Aggregate Index	35.00
MSCI EAFE Index	10.00
Russell 3000 Index	50.00
Oct-2007	
Russell 3000 Value Index	20.00
Russell 1000 Growth Index	20.00
S&P 500 Index	10.00
Bloomberg Barclays Intermed Aggregate Index	35.00
Bloomberg Barclays U.S. TIPS Index	5.00
MSCI EAFE Index	10.00
Jun-2009	
Russell 3000 Index	50.00
Bloomberg Barclays Intermed Aggregate Index	25.00
Blmbg. Barc. U.S. TIPS 1-10 Year	5.00
MSCI EAFE Index	10.00
Citigroup 3 Month T-Bill Index	5.00
NCREIF Fund Index-Open End Diversified Core (EW)	5.00
Feb-2010	
Russell 3000 Index	45.00
Bloomberg Barclays Intermed Aggregate Index	25.00
Blmbg. Barc. U.S. TIPS 1-10 Year	5.00
MSCI AC World ex USA	15.00
NCREIF Fund Index-Open End Diversified Core (EW)	10.00
Mar-2010	
Russell 3000 Index	45.00
Bloomberg Barclays Intermed Aggregate Index	25.00
Bloomberg Barclays U.S. TIPS Index	5.00
MSCI AC World ex USA	15.00
NCREIF Fund Index-Open End Diversified Core (EW)	10.00

Allocation Mandate	Weight (%)
Oct-2014	
Russell 3000 Index	45.00
Bloomberg Barclays Intermed Aggregate Index	20.00
Bloomberg Barclays U.S. TIPS Index	5.00
MSCI AC World ex USA	15.00
NCREIF Fund Index-Open End Diversified Core (EW)	10.00
BofA Merrill Lynch Global Broad Market Index	5.00



Historical Benchmark Policies Total Fund As of March 31, 2017

Total Equity Policy		Total Fixed Income Policy		
Allocation Mandate	Weight (%)	Allocation Mandate	Weight (%)	
Jan-1926		Jan-1973		
S&P 500 Index	100.00	Bloomberg Barclays Intermediate US Govt/Credit Idx	100.00	
Jul-2007		Jul-2007		
Russell 3000 Index	85.00	Bloomberg Barclays Intermed Aggregate Index	100.00	
MSCI EAFE Index	15.00	Oct-2007		
Oct-2007		Bloomberg Barclays Intermediate US Govt/Credit Idx	87.50	
MSCI EAFE Index	15.00	Bloomberg Barclays U.S. TIPS Index	12.50	
S&P 500 Index	15.00			
Russell 3000 Value Index	35.00	Jun-2009		
Russell 1000 Growth Index	35.00	Bloomberg Barclays Intermed Aggregate Index	83.33	
		Blmbg. Barc. U.S. TIPS 1-10 Year	16.67	
Jun-2009 Russell 3000 Index	83.33	Feb-2010		
MSCI EAFE Index	16.67	Bloomberg Barclays Intermed Aggregate Index	83.33	
		Bloomberg Barclays U.S. TIPS Index	16.67	
Feb-2010				
Russell 3000 Index	75.00	Apr-2011		
MSCI AC World ex USA	25.00	Bloomberg Barclays Intermed Aggregate Index	50.00	
		Bloomberg Barclays U.S. TIPS Index	25.00	
		BofA Merrill Lynch Global Broad Market Index	25.00	

Domestic Equity Policy		
Allocation Mandate	Weight (%)	
Jan-1926		
S&P 500 Index	100.00	
Jul-2007		
Russell 3000 Index	100.00	
Oct-2007		
Russell 3000 Value Index	40.00	
Russell 1000 Growth Index	40.00	
S&P 500 Index	20.00	
Jun-2009		
Russell 3000 Index	100.00	

International Equity Policy	
Allocation Mandate	Weight (%)
Jan-1970 MSCI EAFE Index	100.00
Feb-2010 MSCI AC World ex USA	100.00



# **Compliance Checklist Total Fund**

#### As of March 31 2017

Boynton Beach FF	As of March 31, 2		
Total Fund Compliance:	Yes	No	N/A
1. The Total Plan return equaled or exceeded the 7.5%* actuarial earnings assumption over the trailing three and five year periods.		✓	
2. The Total Plan return equaled or exceeded the total plan benchmark over the trailing three and five year periods.	✓		
3. The Total Plan return ranked within the top 40th percentile of its peer group over the trailing three and five year periods.	✓		
4. Total foreign securities were less than 25% of the total plan assets at market.	✓		

\* updated from 7.7% to 7.5% effective 1/1/2016

Equity Compliance:	Yes	No	N/A
1. Total equity returns equaled or exceeded the benchmark over the trailing three and five year periods.		✓	
2. Total equity returns ranked within the top 40th percentile of its peer group over the trailing three and five year periods.			✓
3. The total equity allocation was less than 70% of the total plan assets at market.	✓		

Fixed Income Compliance:	Yes	No	N/A
1. Total fixed income returns equaled or exceeded the benchmark over the trailing three and five year periods.	$\checkmark$		
2. Total fixed income returns ranked within the top 40th percentile of its peer group over the trailing three and five year periods.	✓		
3. All separately managed fixed income investments have a minimum rating of investment grade or higher.	$\checkmark$		

Nanayar Camplianaa		Anchor ACV		VG Mid-Cap			VG 500 Index			DSM LCG			WCM Int'l		
Manager Compliance:	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A
1. Manager outperformed the index over the trailing three and five year periods.		✓				✓			✓		✓				$\checkmark$
2. Manager ranked within the top 40th percentile once over the last four quarters.		✓				✓			✓		✓				$\checkmark$
3. Less than four consecutive quarters of under-performance relative to the benchmark.	$\checkmark$					✓			✓	$\checkmark$			$\checkmark$		
4. Three and five year down market capture ratio less than 100%.	$\checkmark$					✓			✓		$\checkmark$				$\checkmark$
5. Manager reports compliance with PFIA.	✓					✓			✓	✓					$\checkmark$

Nanana Camplianaa		STW Core FI		STW TIPS		PIMCO			RERGX					X	
Manager Compliance:	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A
1. Manager outperformed the index over the trailing three and five year periods.	✓				✓		✓								✓
2. Manager ranked within the top 40th percentile once over the last four quarters.	$\checkmark$					✓	$\checkmark$								$\checkmark$
3. Less than four consecutive quarters of under-performance relative to the benchmark.	$\checkmark$			✓			$\checkmark$						$\checkmark$		
4. Three and five year down market capture ratio less than 100%.		$\checkmark$		✓					✓						$\checkmark$
5. Manager reports compliance with PFIA.	$\checkmark$			✓					✓						$\checkmark$



# Compliance Checklist Total Fund As of March 31, 2017

# Boynton Beach FF

Manager Compliance:		ASB RI	SB RE Intercontinental		ental	LBC			Crescent						
		No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A
1. Manager outperformed the index over the trailing three and five year periods.		$\checkmark$		✓					✓			✓			
2. Manager ranked within the top 40th percentile once over the last four quarters.		$\checkmark$		✓					✓			✓			
3. Less than four consecutive quarters of under-performance relative to the benchmark.		$\checkmark$		✓					✓			✓			
4. Three and five year down market capture ratio less than 100%.			✓			✓			✓			✓			
5. Manager reports compliance with PFIA.			✓			✓			✓			✓			



# Boynton Beach Firefighters' Retirement System Fee Analysis As of March 31, 2017

	Estimated Annual Fee (%)	Market Value (\$)	Estimated Annual Fee (\$)	Fee Schedule
Vanguard 500 Index Signal (VFIAX)	0.05	11,524,287	5,762	0.05 % of Assets
DSM Large Cap Growth	0.85	11,927,531	101,956	1.00 % of First \$5 M 0.75 % of Next \$15 M 0.63 % of Next \$80 M 0.50 % Thereafter
Anchor All Cap Value Equity	0.56	12,081,119	67,906	0.75 % of First \$3 M 0.50 % Thereafter
Vanguard Mid-Cap Index Fund (VMCIX)	0.08	14,613,557	11,691	0.08 % of Assets
Total Domestic Equity	0.37	50,146,495	187,315	
WCM International Growth Fund (WCMIX)	1.04	7,424,424	77,214	1.04 % of Assets
American Funds EuroPacific Gr R6 (RERGX)	0.49	5,847,099	28,651	0.49 % of Assets
Total International Equity	0.80	13,271,523	105,865	
Schroders Core Fixed Income	0.38	9,918,080	37,193	0.38 % of Assets
Schroders TIPS	0.00	4,900,463	-	0.00 % of Assets
Total Domestic Fixed Income	0.25	14,818,544	37,193	
PIMCO Diversified Income Fund (PDIIX)	0.75	4,430,605	33,230	0.75 % of Assets
Total Global Fixed Income	0.75	4,430,605	33,230	
LBC Credit Partners III	1.75	2,186,941	38,271	1.75 % of Assets
Crescent Direct Lending Levered Fund	1.35	2,658,479	35,889	1.35 % of Assets
Total Non-Core Fixed Income	1.53	4,845,420	74,161	
ASB RE	1.25	3,151,221	39,390	1.25 % of Assets
Intercontinental	1.10	5,962,817	65,591	1.10 % of Assets
Total Real Estate	1.15	9,114,038	104,981	
Mutual Fund Cash		48	-	
Receipt & Disbursement		1,255,947	-	
Total Cash Composite		1,255,995	-	
Total Fund	0.55	97,882,620	542,744	
		,,		



• Returns prior to 9/30/2009 are gross of fees.



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.
Public Market Equivalent (PME)	- Designs a set of analyses used in the Private Equity Industry to evaluate the performance of a Private Equity Fund against a public benchmark or index.
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.

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