# City of Boynton Beach Firefighters' Retirement System

Investment Performance Review 3rd Quarter 2015

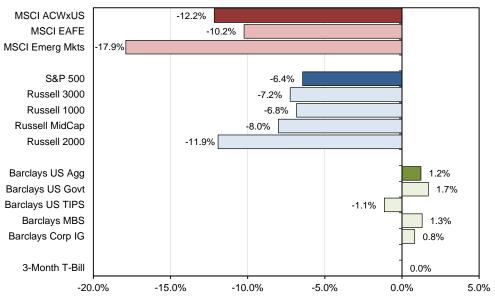


**3rd Quarter 2015 Market Environment** 

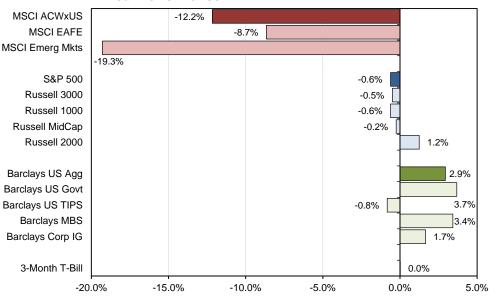


- During the third quarter of 2015, broad equity markets posted their weakest returns since the third quarter of 2011. Macroeconomic and geopolitical news drove the volatility of global equity markets throughout the quarter. Domestic markets fared modestly better than international indices but still posted negative returns for the quarter. Improving domestic economic data was overshadowed by the Federal Open Market Committee's (Fed) decision to leave short-term interest rates unchanged, citing low inflation expectations and a weakening global economy as reasons to maintain an accommodative monetary policy. The uncertainty surrounding the Fed's rate decision caused investors to accelerate sales out of risk assets. As a result, the S&P 500 experienced its first correction since 2011, falling 12.0% from its intra-quarter high.
- Non-U.S. equity indices posted the weakest equity returns during the quarter with all three bellwether benchmarks posting double-digit losses in U.S. dollars (USD) during the third quarter. Export heavy emerging markets were the hardest hit during the quarter with a USD return of -17.9%. Similar to domestic equity markets, the negative results of international equity markets were driven by macroeconomic events. As the world's second largest economy and largest exporter of goods, China's slowing economic growth prospects dominated headlines throughout the quarter. While the potential impact of a Chinese slowdown resonated throughout the financial markets, emerging market and commodity driven economies experienced the greatest negative impact. In addition to China's events, Greece secured its third bailout from the European Union (EU) and Japan, and EU policymakers signaled further quantitative easing may be necessary to combat deflationary concerns.
- U.S. fixed income indices were modestly positive for the third quarter, with high yield securities and TIPs being exceptions. The U.S. Treasury yield curve flattened during the quarter with short-term interest rates remaining relatively unchanged and longer term rates declining. As a result of this flattening, longer dated maturities outperformed short-term issues.

#### **Quarter Performance**



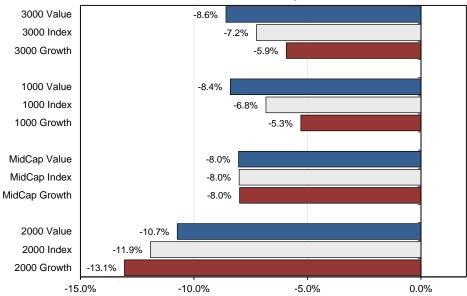
#### 1-Year Performance



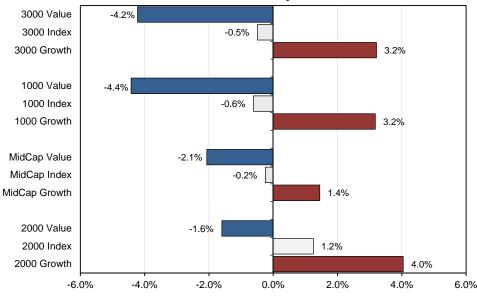


- Regardless of style or size, domestic equity index performance was negative across the style and capitalization spectrum during the third quarter. While most broad corporate fundamentals appeared to be solid and the U.S. consumer benefited from lower oil prices, negative performance during the third quarter was largely driven by the volatility associated with global macroeconomic and geopolitical events. Chief factors driving volatility during the quarter included the "will they won't they" uncertainty associated with the Fed's interest rate decision and attempts to assess the global ramifications of an economic slowdown in China, which was larger than anticipated.
- Outside of macroeconomic and geopolitical factors impacting equity performance, there were two notable trends affecting U.S. domestic equity results during the third quarter of 2015. First, large cap indices generally outperformed their small cap counterparts, with the latter delivering double-digit losses for the quarter. Second, growth stocks were the strongest relative performers in the large cap universe, while in the small cap universe value indices posted moderately better relative results. Within the large cap Russell 1000 Growth Index, the quarter's relative performance benefited from the annual reconstitution of the index series each June. This year's reconstitution reduced exposure to the weak performing energy sector in the large cap growth index from more than 5% to less than 1% after reconstitution.
- From a valuation perspective, current P/Es for the value indices were roughly in-line with their long-term averages with the mid-cap value index P/E appearing slightly stretched at 106% of its long-term average. In contrast, current P/E valuations for the growth indices remained well below their long-term averages with P/E valuation levels falling between 80% and 85% of their historical averages.
- On a trailing one-year basis, growth indices illustrated a substantial return premium over value benchmarks across the capitalization spectrum. The performance differentials were largely due to the growth benchmarks' heavier weights to the strong-performing health care and information technology sectors.

## **Quarter Performance - Russell Style Series**

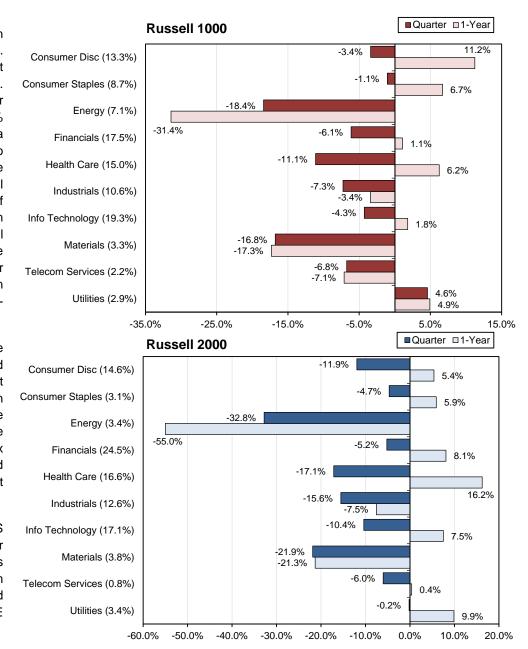


## 1-Year Performance - Russell Style Series





- Sector performance was broadly negative for large cap stocks with nine of the ten GICS sectors posting negative results for the guarter. The utilities sector was the only large cap economic sector that managed a positive result for the quarter with a return of 4.6%. Commodity price driven sectors were the hardest hit during the quarter with the energy and materials sectors returning -18.4% and -16.8% respectively. The large cap health care sector, which had not posted a negative quarterly return since the third quarter of 2011, was also notable with a return of -11.1% for the quarter. Within the health care sector, pharmaceutical and biotech stocks struggled from the general "risk-off" environment permeating the third guarter but sold-off deliberately after Democratic presidential candidate Hillary Clinton alluded to a plan to combat high prescription drug costs. Traditional defensive sectors, such as utilities and consumer staples, posted the strongest relative performance for the quarter. Over the one-year trailing period, six of ten sectors remain positive with commodity driven energy (-31.4%) and materials (-17.3%) sectors representing doubledigit negative outliers.
- Similar to large cap indices, small cap index performance was negative for the quarter. Within the small cap index, all ten GICS sectors posted negative results for the quarter with six sectors posting double-digit losses. For the quarter, sector performance followed a similar pattern to large cap sector results with commodity sensitive sectors posting the weakest results and defensive sectors offering the greatest relative safety. Over the one-year trailing period, six of ten small cap index sectors remained positive with commodity driven energy (-55.0%) and materials (-21.3%) sectors representing substantial double-digit negative outliers.
- Using the S&P 500 as a proxy, based on trailing P/E ratios, six GICS sectors show P/E ratios lower than their 20-year averages at quarter end. Within these sectors, the information technology and financials sectors appeared the most undervalued relative to their long-term average P/E ratios. In contrast, the telecommunication services and utilities sector valuations appeared most stretched versus historical P/E ratio data.





Top 10 Weighted Stocks							
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector			
Apple Inc	3.28%	-11.7%	11.3%	Information Technology			
Microsoft Corp	1.85%	0.9%	-2.0%	Information Technology			
Exxon Mobil Corporation	1.61%	-9.8%	-18.3%	Energy			
Johnson & Johnson	1.34%	-3.5%	-9.9%	Health Care			
General Electric Co	1.31%	-4.2%	2.0%	Industrials			
Berkshire Hathaway Inc Class B	1.25%	-4.2%	-5.6%	Financials			
Wells Fargo & Co	1.24%	-8.1%	1.6%	Financials			
JPMorgan Chase & Co	1.17%	-9.4%	3.9%	Financials			
AT&T Inc	1.02%	-7.0%	-2.3%	Telecommunication Services			
Procter & Gamble Co	1.01%	-7.3%	-11.4%	Consumer Staples			

	Top 10 Weighted Stocks							
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector				
Tyler Technologies Inc	0.31%	15.4%	68.9%	Information Technology				
Anacor Pharmaceuticals Inc	0.29%	52.0%	381.0%	Health Care				
Manhattan Associates Inc	0.28%	4.4%	86.4%	Information Technology				
CubeSmart	0.28%	18.2%	55.4%	Financials				
Investors Bancorp Inc	0.26%	0.7%	24.4%	Financials				
First American Financial Corp	0.26%	5.7%	48.2%	Financials				
Casey's General Stores Inc	0.24%	7.7%	44.9%	Consumer Staples				
Maximus Inc	0.24%	-9.3%	48.9%	Information Technology				
West Pharmaceutical Services Inc	0.24%	-6.7%	21.9%	Health Care				
Team Health Holdings Inc	0.24%	-17.3%	-6.8%	Health Care				

Top 1	Top 10 Performing Stocks (by Quarter)							
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector				
StanCorp Financial Group Inc	0.02%	51.0%	84.3%	Financials				
TECO Energy Inc	0.03%	50.2%	58.0%	Utilities				
Pandora Media Inc	0.02%	37.3%	-11.7%	Information Technology				
Cablevision Systems Corp Class A	0.03%	36.4%	90.7%	Consumer Discretionary				
zulily Inc Class A	0.00%	33.4%	-54.1%	Consumer Discretionary				
AGL Resources Inc	0.04%	32.5%	23.7%	Utilities				
Chubb Corp	0.15%	29.5%	37.5%	Financials				
Activision Blizzard Inc	0.08%	27.6%	50.1%	Information Technology				
Con-way Inc	0.00%	24.2%	1.3%	Industrials				
JetBlue Airways Corp	0.04%	24.1%	142.7%	Industrials				

Top 10 Performing Stocks (by Quarter)							
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector			
GT Advanced Technologies Inc	0.00%	135.7%	-96.3%	Information Technology			
NTELOS Holdings Corp	0.01%	95.5%	-15.1%	Telecommunication Services			
Phoenix Companies Inc	0.00%	80.9%	-41.2%	Financials			
Trevena Inc	0.02%	65.3%	61.2%	Health Care			
Dot Hill Systems Corp	0.04%	59.0%	157.4%	Information Technology			
Anacor Pharmaceuticals Inc	0.29%	52.0%	381.0%	Health Care			
Exelixis Inc	0.08%	49.2%	266.7%	Health Care			
Merge Healthcare Inc	0.03%	47.9%	222.7%	Health Care			
HHGregg Inc	0.00%	45.8%	-22.8%	Consumer Discretionary			
Thoratec Corp	0.21%	41.9%	136.7%	Health Care			

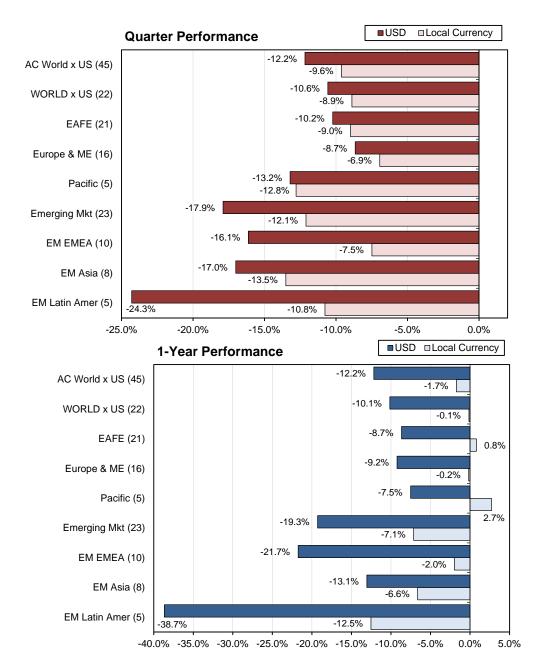
Bottom 10 Performing Stocks (by Quarter)							
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector			
SunEdison Inc	0.01%	-76.0%	-62.0%	Information Technology			
SandRidge Energy Inc	0.00%	-69.2%	-93.7%	Energy			
Seventy Seven Energy Inc	0.00%	-67.8%	-94.2%	Energy			
TimkenSteel Corp	0.00%	-62.2%	-77.7%	Materials			
TerraForm Power Inc Class A	0.00%	-62.0%	-48.9%	Utilities			
Rayonier Advanced Materials Inc	0.00%	-61.9%	-81.0%	Materials			
Denbury Resources Inc	0.00%	-61.0%	-83.1%	Energy			
The Chemours Co	0.01%	-59.6%	N/A	Materials			
EP Energy Corp Class A	0.00%	-59.5%	-70.5%	Energy			
Unit Corp	0.00%	-58.5%	-80.8%	Energy			

Bottom	Bottom 10 Performing Stocks (by Quarter)							
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector				
Quiksilver Inc	0.00%	-97.0%	-98.9%	Consumer Discretionary				
RCS Capital Corp Class A	0.00%	-89.4%	-96.4%	Financials				
Alpha Natural Resources Inc	0.00%	-89.1%	-98.7%	Energy				
BPZ Resources Inc	0.00%	-88.8%	-99.9%	Energy				
SFX Entertainment Inc	0.00%	-88.6%	-89.8%	Consumer Discretionary				
Penn Virginia Corp	0.00%	-87.9%	-95.8%	Energy				
Vantage Drilling Co	0.00%	-86.5%	-98.0%	Energy				
Tetraphase Pharmaceuticals Inc	0.02%	-84.3%	-62.6%	Health Care				
Altisource Asset Management Corp	0.00%	-83.4%	-96.5%	Financials				
Magnum Hunter Resources Corporation	0.00%	-81.8%	-93.9%	Energy				





- With negative macroeconomic and geopolitical events throughout the quarter trumping any consideration of underlying fundamentals or long-term prospects, international equity index performance was broadly negative. As stated previously, uncertainty over events, such as China's economic health and a potential Greek exit of the eurozone, pushed all major international equity indices lower. While developed markets fared modestly better than emerging markets, the majority of foreign market results struggled relative to the perceived safety and stability of U.S. markets. Local currency index returns were marginally less negative than USD returns due to the strengthening of the USD versus most other major currencies.
- Developed markets outperformed emerging markets for the quarter with the MSCI EAFE Index outperforming the MSCI Emerging Market Index by 7.7% and 3.1% in USD and local currency respectively. Improving economic data in the eurozone was encouraging, with GDP growth for the ninth consecutive quarter, but economic data in Japan was mixed. Both European Central Bank Chairman Draghi and Bank of Japan Governor Kuroda reiterated a willingness to support further quantitative easing should it be deemed necessary. Commodity price sensitive economies such as Canada, Australia, and several emerging markets faced particularly strong headwinds due to the headlines surrounding slowing growth in China.
- Emerging markets posted large negative equity results for the quarter. Led by the imposition of capital controls associated with its latest bailout deal with the EU, Greece represented the weakest performance in the MSCI Emerging Markets Index, returning -35.8% for the quarter. Chinese equities fell -22.7% during the quarter after a devaluation of the yuan and mounting evidence of decelerating economic growth. Latin America had the weakest performance as falling commodity prices and a weakened macro outlook in Brazil negatively affected the region. Like developed markets, countries with more diversified economies performed better than economies heavily linked to commodity exports.



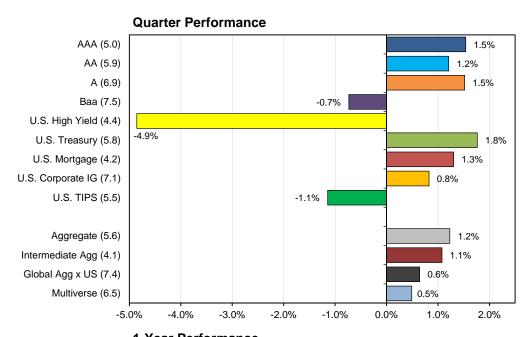


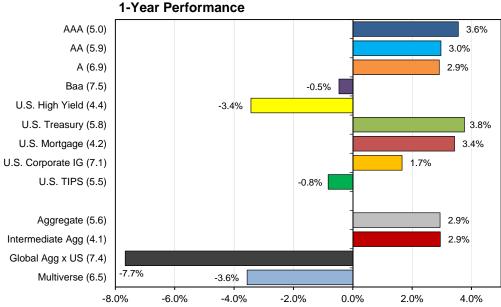
MSCI - EAFE	Sector Weight	Quarter Return	1-Year Return
Consumer Discretionary	13.1%	-11.0%	-0.7%
Consumer Staples	12.0%	-1.5%	1.7%
Energy	4.8%	-16.8%	-34.5%
Financials	25.8%	-12.1%	-9.2%
Health Care	11.8%	-5.3%	-3.2%
Industrials	12.5%	-11.2%	-8.9%
Information Technology	4.8%	-10.6%	-5.8%
Materials	6.6%	-19.7%	-22.1%
Telecommunication Services	4.9%	-9.5%	-3.3%
Utilities	3.8%	-4.2%	-11.0%
Total	100.0%	-10.2%	-8.7%
MSCI - ACWIXUS	Sector Weight	Quarter Return	1-Year Return
Consumer Discretionary	12.0%	-11.3%	-3.2%
Consumer Staples	10.9%	-3.2%	-0.6%
Energy	6.3%	-20.1%	-37.2%
Financials	27.3%	-14.1%	-12.3%
Health Care	9.6%	-6.2%	-2.3%
Industrials	11.1%	-11.7%	-11.2%
Information Technology	7.4%	-13.3%	-8.6%
Materials	6.7%	-20.8%	-26.2%
Telecommunication Services	5.2%	-11.3%	-8.8%
Utilities	3.6%	-7.0%	-14.2%
Total	100.0%	-12.2%	-12.2%
MSCI - Emerging Mkt	Sector Weight	Quarter Return	1-Year Return
Consumer Discretionary	9.4%	-13.9%	-15.6%
Consumer Staples	8.8%	-11.4%	-12.1%
Energy	7.5%	-25.3%	-37.4%
Financials	28.6%	-21.4%	-18.1%
Health Care	2.9%	-9.5%	-8.1%
Industrials	7.5%	-16.0%	-17.8%
Information Technology	18.1%	-16.0%	-11.3%
Materials	6.6%	-19.4%	-30.0%
Telecommunication Services	7.4%	-15.6%	-20.1%
Utilities	3.4%	-16.8%	-24.5%
Total	100.0%	-17.9%	-19.3%

	MSCI-EAFE	MSCI-ACWIXUS	Quarter	1- Year
Country	Weight	Weight	Return	Return
Japan	22.5%	16.5%	-11.8%	-2.2%
United Kingdom	20.3%	14.8%	-10.0%	-12.1%
France	10.1%	7.4%	-6.5%	-7.7%
Switzerland	9.7%	7.1%	-7.0%	-3.8%
Germany	8.9%	6.5%	-10.9%	-9.3%
Australia	6.4%	4.7%	-15.3%	-21.1%
Spain	3.5%	2.5%	-11.1%	-20.6%
Hong Kong	3.0%	2.2%	-16.2%	-3.3%
Sweden	3.0%	2.2%	-9.2%	-10.5%
Netherlands	2.8%	2.0%	-8.9%	-2.0%
Italy	2.6%	1.9%	-4.4%	-9.3%
Denmark	1.8%	1.3%	-2.4%	6.7%
Belgium	1.3%	1.0%	-7.9%	-0.8%
Singapore	1.3%	0.9%	-19.5%	-21.4%
Finland	0.9%	0.6%	-5.5%	-8.8%
Israel	0.6%	0.5%	-5.6%	2.6%
Norway	0.6%	0.4%	-19.1%	-35.9%
Ireland	0.4%	0.3%	-3.2%	10.9%
Austria	0.2%	0.1%	-9.0%	-10.3%
Portugal	0.2%	0.1%	-11.6%	-25.5%
New Zealand	0.1%	0.1%	-7.1%	-18.7%
Total EAFE Countries	100.0%	73.0%	-10.2%	-8.7%
Canada	100.070	6.4%	-14.1%	-23.9%
Total Developed Countries		79.5%	-10.6%	-10.1%
China		4.8%	-22.7%	-5.0%
Korea		3.2%	-11.8%	-18.4%
Taiwan		2.6%	-17.0%	-11.3%
India		1.8%	-6.7%	-5.9%
South Africa		1.6%	-18.6%	-14.2%
Brazil		1.3%	-33.6%	-48.4%
Mexico		1.0%	-12.0%	-24.0%
Russia		0.8%	-14.8%	-24.0%
Malaysia		0.6%	-18.2%	-33.7%
Thailand		0.5%	-17.6%	-23.7%
Indonesia		0.4%	-24.2%	-32.9%
Poland		0.4%	-10.8%	-26.3%
Philippines		0.3%	-10.3%	-5.7%
Turkey		0.3%	-19.5%	-23.8%
Chile		0.3%	-19.5%	-23.8%
Qatar				
		0.2%	-6.6%	-18.3%
United Arab Emirates		0.2%	-10.4%	-26.4%
Colombia			-23.2%	-50.5%
Peru		0.1%	-21.5%	-26.2%
Greece		0.1%	-35.8%	-66.0%
Hungary		0.1%	-3.3%	6.7%
Czech Republic		0.0%	-6.6%	-22.3%
Egypt		0.0%	-12.9%	-24.3%
Total Emerging Countries		20.5%	-17.9%	-19.3%
Total ACWIxUS Countries		100.0%	-12.2%	-12.2%



- Most fixed income index performance was modestly positive for the third quarter. Much of the quarter's positive fixed income benchmark performance was attributable to macroeconomic and geopolitical uncertainty in the global markets. As it typically does, this volatility resulted in a "flight to quality/safety" benefiting domestic fixed income securities. In contrast to the benefit of perceived safety, bond performance was tempered during the period by the looming specter surrounding the timing of the first expected Fed interest rate hike in nearly ten years.
- The broad market Aggregate benchmark posted a return of 1.2% for the quarter. Within the Aggregate index, Treasury (1.8%) issues outperformed mortgage (1.3%) and corporate (0.8%) issues. In anticipation of higher interest rates, corporate bond issuance remained elevated during the quarter. Coupled with a general "risk-off" market, this excess corporate bond supply drove credit spreads wider (equivalent to interest rates rising) resulting in weaker corporate performance relative to Treasury securities. The spread widening was particularly detrimental to high yield bond returns which actually posted negative returns for the quarter.
- Despite USD strength, international bond indices (0.6% and 0.5%) managed positive results for the quarter but trailed domestic bond index results other than Baa, high yield, and TIPs issues.
- Over the trailing one-year period, domestic fixed income results were largely solid. However, like the third quarter, one-year performance for domestic Baa, high yield, and TIPs issues were negative along with both global benchmarks.

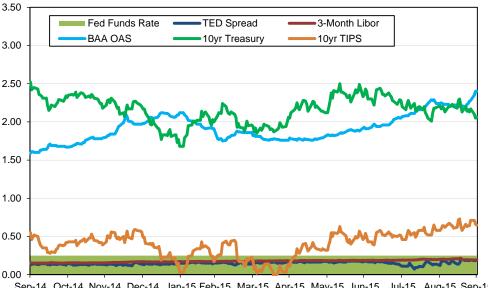




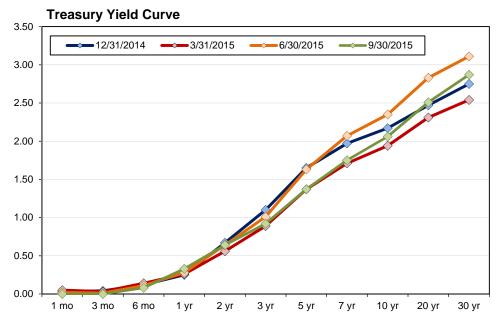


- During the third guarter, following a substantial rise during the second guarter, intermediate and long-term U.S. Treasury vields retrenched to levels last seen at the end of 2014. Yields fell across the Treasury curve for all maturities greater than two years with the yield on the 30-year Treasury falling from 3.11% to 2.87%. Since prices and yields move in opposite directions, longer-dated issues were the best performing Treasury maturity segment. As with recent periods, accommodative Fed policy held yields stable and low at the short end of the yield curve.
- Much of the performance reviewed on the bar graphs is visible in another form in the 1-year trailing market rates chart. The 10-year Treasury (green line) can be seen moving lower (yields falling) throughout the guarter, resulting in a positive Treasury return. While corporate issues benefited from falling Treasury yields, corporate bonds were also impacted by the credit spread (risk premium) investors demand on corporate issues to compensate them for the increased risk associated with corporate bonds versus "riskless" Treasury debt. This credit spread is represented by the BAA OAS (Option Adjusted Spread). The BAA OAS (blue line) can be seen rising throughout the guarter, which created a drag on corporate bond returns.
- Based on moderate U.S. economic growth, stable employment, and below target inflation, it is unlikely the Fed will increase the short-term interest rate it sets (Fed Funds Rate) significantly in the near term. Should the Fed raise the short-term rate before the end of the year, they have stated future increases would be implemented at a measured pace and with an ongoing assessment of current economic data. Geopolitical events, overseas quantitative easing programs, and lower interest rates outside the U.S. should put downward pressure on how high domestic rates can go in the near term.





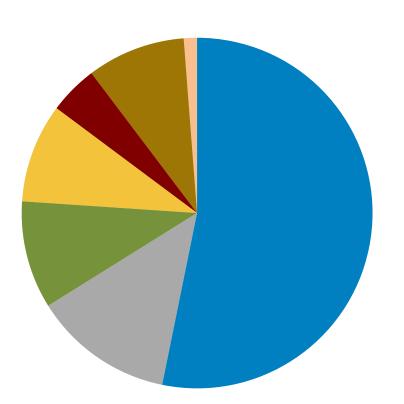
Sep-14 Oct-14 Nov-14 Dec-14 Jan-15 Feb-15 Mar-15 Apr-15 May-15 Jun-15 Jul-15 Aug-15 Sep-15

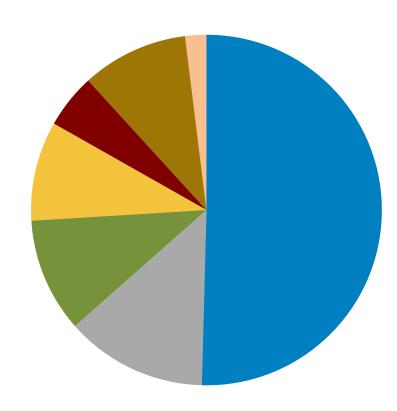




Asset Allocation By Segment as of June 30, 2015 : \$84,313,865

Asset Allocation By Segment as of September 30, 2015 : \$80,322,367



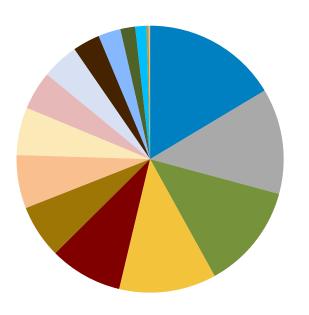


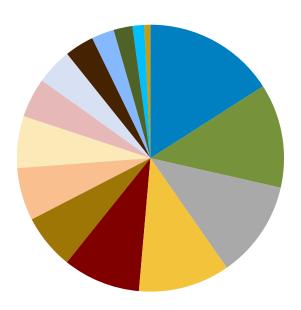
location	Allocation					
Segments	Market Value	Allocation	Segments	Market Value	Allocation	
■ Domestic Equity	44,844,824	53.2	Domestic Equity	40,497,654	50.4	
International Equity	10,904,000	12.9	International Equity	10,489,319	13.1	
Domestic Fixed Income	8,386,710	9.9	Domestic Fixed Income	8,473,365	10.5	
Global Fixed Income	7,703,225	9.1	Global Fixed Income	7,372,693	9.2	
Other Fixed Income	3,799,969	4.5	Other Fixed Income	4,033,802	5.0	
Real Estate	7,645,850	9.1	Real Estate	7,881,253	9.8	
Cash	1,029,287	1.2	Cash	1,574,281	2.0	



Asset Allocation By Manager as of June 30, 2015 : \$84,313,865

Asset Allocation By Manager as of September 30, 2015 : \$80,322,367

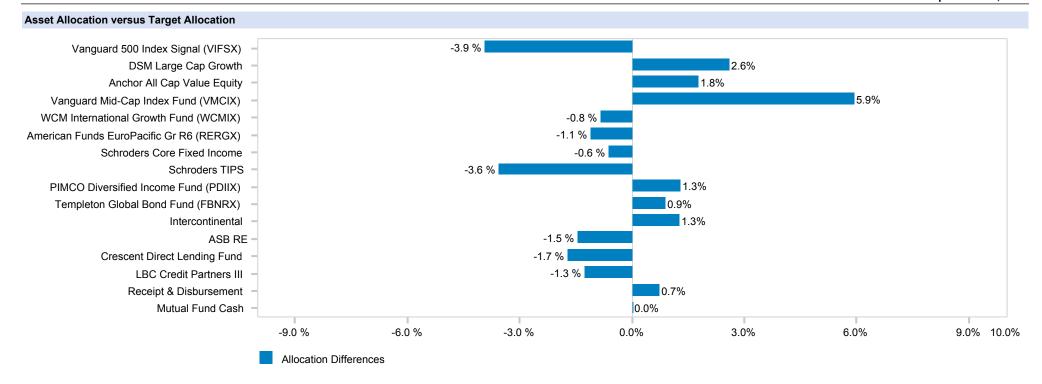




llocation			Allocation		
	Market Value	Allocation		Market Value	Allocation
Vanguard Mid-Cap Index Fund (VMCIX)	13,832,017	16.4	<ul><li>Vanguard Mid-Cap Index Fund (VMCIX)</li></ul>	12,801,440	15.9
Anchor All Cap Value Equity	10,781,370	12.8	DSM Large Cap Growth	10,130,456	12.6
■ DSM Large Cap Growth	10,769,362	12.8	Anchor All Cap Value Equity	9,459,423	11.8
Vanguard 500 Index Signal (VFIAX)	9,907,314	11.8	Vanguard 500 Index Signal (VFIAX)	8,884,240	11.1
■ Schroders Core Fixed Income	7,458,479	8.8	Schroders Core Fixed Income	7,526,517	9.4
WCM International Growth Fund (WCMIX)	5,454,089	6.5	WCM International Growth Fund (WCMIX)	5,349,109	6.7
American Funds EuroPacific Gr R6 (RERGX)	5,449,911	6.5	American Funds EuroPacific Gr R6 (RERGX)	5,140,209	6.4
Intercontinental	4,869,642	5.8	Intercontinental	5,039,408	6.3
■ PIMCO Diversified Income Fund (PDIIX)	3,949,641	4.7	PIMCO Diversified Income Fund (PDIIX)	3,847,282	4.8
Templeton Global Bond Fund (FBNRX)	3,753,588	4.5	Templeton Global Bond Fund (FBNRX)	3,525,422	4.4
■ ASB RE	2,776,208	3.3	■ ASB RE	2,841,845	3.5
■ LBC Credit Partners III	2,285,410	2.7	LBC Credit Partners III	2,200,232	2.7
■ Crescent Direct Lending Levered Fund	1,514,559	1.8	Crescent Direct Lending Levered Fund	1,833,570	2.3
Schroders TIPS	1,158,402	1.4	Schroders TIPS	1,147,956	1.4
Receipt & Disbursement	207,181	0.2	Receipt & Disbursement	580,057	0.7
Mutual Fund Cash	146,692	0.2	Mutual Fund Cash	15,200	0.0



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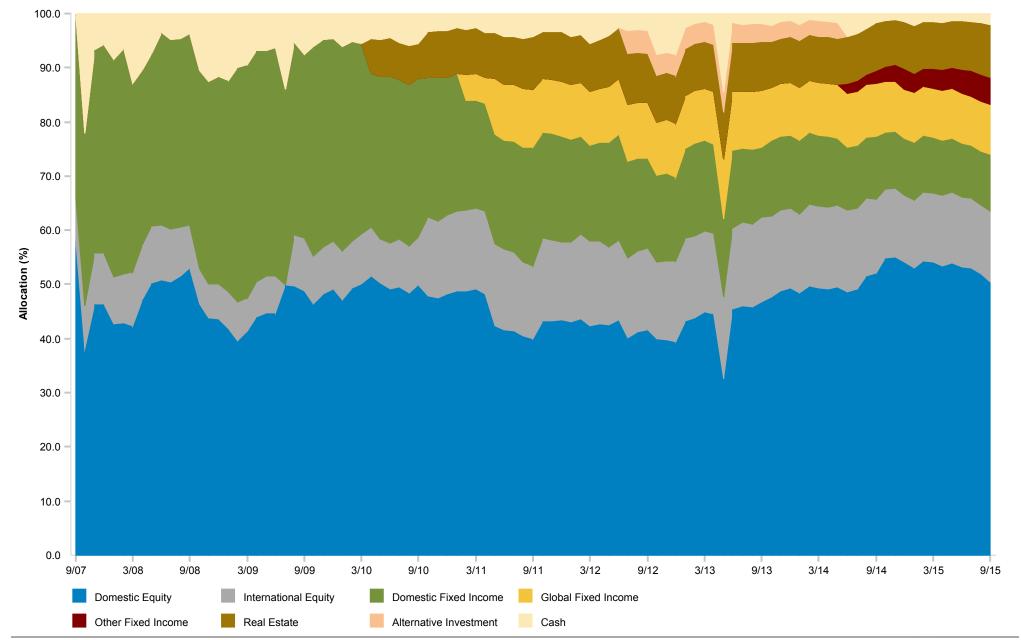
	Market Value \$	Allocation (%)	Target (%)
Vanguard 500 Index Signal (VIFSX)	8,884,240	11.1	15.0
DSM Large Cap Growth	10,130,456	12.6	10.0
Anchor All Cap Value Equity	9,459,423	11.8	10.0
Vanguard Mid-Cap Index Fund (VMCIX)	12,801,440	15.9	10.0
WCM International Growth Fund (WCMIX)	5,349,109	6.7	7.5
American Funds EuroPacific Gr R6 (RERGX)	5,140,209	6.4	7.5
Schroders Core Fixed Income	7,526,517	9.4	10.0
Schroders TIPS	1,147,956	1.4	5.0
PIMCO Diversified Income Fund (PDIIX)	3,847,282	4.8	3.5
Templeton Global Bond Fund (FBNRX)	3,525,422	4.4	3.5
Intercontinental	5,039,408	6.3	5.0
ASB RE	2,841,845	3.5	5.0
Crescent Direct Lending Fund	1,833,570	2.3	4.0
LBC Credit Partners III	2,200,232	2.7	4.0
Receipt & Disbursement	580,057	0.7	0.0
Mutual Fund Cash	15,200	0.0	0.0
Total Fund	80,322,367	100.0	100.0



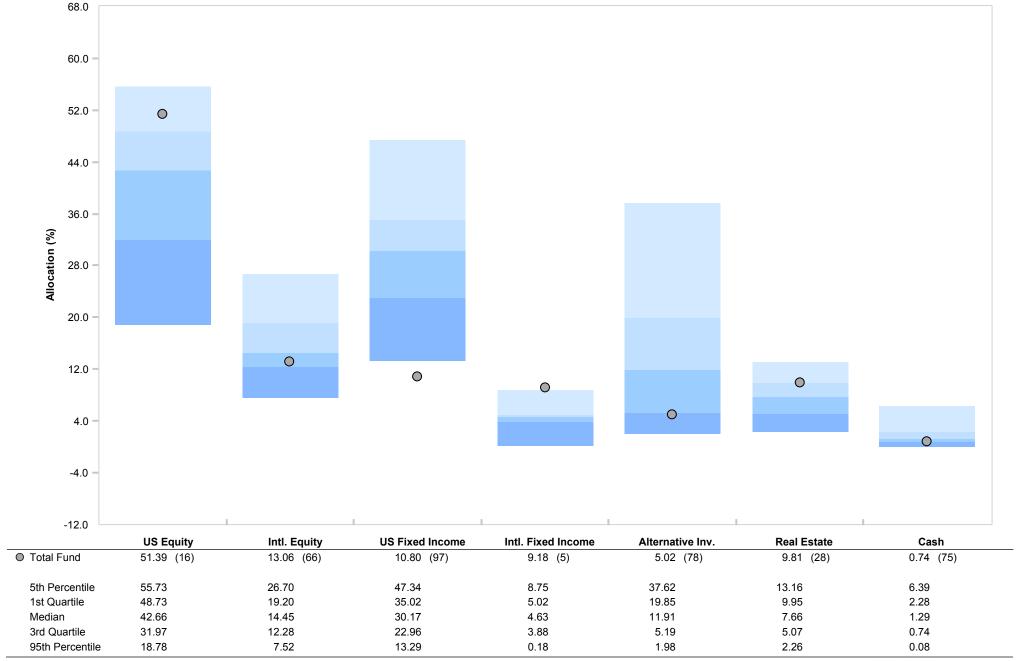
	Sep-2									
	•		Jun-2		Mar-2		Dec-2		Sep-2	
	(\$)	%	(\$)	%	(\$)	%	(\$)	%	(\$)	%
Total Equity	51,764,878	64.45	56,194,063	66.65	57,370,846	67.55	56,045,827	66.99	51,774,390	66.2
Total Domestic Equity	41,275,560	51.39	45,290,063	53.72	46,580,067	54.84	45,760,496	54.69	40,977,949	52.4
Anchor All Cap Value Equity	9,459,423	11.78	10,781,370	12.79	10,972,688	12.92	10,972,169	13.11	10,507,535	13.4
Vanguard 500 Index Signal (VFIAX)	8,884,240	11.06	9,907,314	11.75	10,595,994	12.48	10,688,544	12.77	7,365,174	9.4
DSM Large Cap Growth	10,130,456	12.61	10,769,362	12.77	10,514,519	12.38	10,112,333	12.09	9,334,715	11.9
Vanguard Mid-Cap Index Fund (VMCIX)	12,801,440	15.94	13,832,017	16.41	14,496,866	17.07	13,987,451	16.72	13,770,525	17.6
Total International Equity	10,489,319	13.06	10,904,000	12.93	10,790,778	12.71	10,285,331	12.29	10,796,441	13.8
Manning & Napier Overseas (EXOSX)	-	0.00	-	0.00	-	0.00	10,285,331	12.29	10,796,441	13.8
American Funds EuroPacific Gr R6 (RERGX)	5,140,209	6.40	5,449,911	6.46	5,389,428	6.35	-	0.00	-	0.0
WCM International Growth Fund (WCMIX)	5,349,109	6.66	5,454,089	6.47	5,401,350	6.36	-	0.00	-	0.0
Total Fixed Income	20,080,979	25.00	20,120,080	23.86	19,776,261	23.28	19,889,725	23.77	18,616,809	23.8
Total Domestic Fixed Income	8,674,473	10.80	8,616,881	10.22	8,996,061	10.59	9,061,325	10.83	9,102,952	11.6
Schroders Core Fixed Income	7,526,517	9.37	7,458,479	8.85	7,834,907	9.22	7,916,161	9.46	7,944,675	10.1
Schroders TIPS	1,147,956	1.43	1,158,402	1.37	1,161,154	1.37	1,145,165	1.37	1,158,277	1.4
Total Global Fixed Income	7,372,704	9.18	7,703,229	9.14	7,723,889	9.09	7,585,629	9.07	7,704,268	9.8
PIMCO Diversified Income Fund (PDIIX)	3,847,282	4.79	3,949,641	4.68	3,961,428	4.66	3,832,746	4.58	3,890,191	4.9
Templeton Global Bond Fund (FBNRX)	3,525,422	4.39	3,753,588	4.45	3,762,461	4.43	3,752,883	4.49	3,814,078	4.8
Total Real Estate	7,881,253	9.81	7,645,850	9.07	7,366,251	8.67	7,256,463	8.67	6,993,002	8.9
Intercontinental	5,039,408	6.27	4,869,642	5.78	4,719,085	5.56	4,672,775	5.58	4,491,994	5.7
ASB RE	2,841,845	3.54	2,776,208	3.29	2,647,166	3.12	2,583,688	3.09	2,501,008	3.2
Total Non-Core Fixed Income	4,033,802	5.02	3,799,969	4.51	3,056,310	3.60	3,242,770	3.88	1,809,589	2.3
LBC Credit Partners III	2,200,232	2.74	2,285,410	2.71	1,786,637	2.10	2,081,427	2.49	1,809,589	2.3
Crescent Direct Lending Levered Fund	1,833,570	2.28	1,514,559	1.80	1,269,673	1.49	1,161,343	1.39	-	0.0
Cash										
Receipt & Disbursement	580,057	0.72	207,181	0.25	287,611	0.34	324,780	0.39	774,065	0.9
Mutual Fund Cash	15,200	0.02	146,692	0.17	131,473	0.15	152,023	0.18	26,356	0.0



#### **Asset Allocation Attributes**







# Financial Reconciliation Quarter to Date Total Fund

1 Quarter Ending September 30, 2015

Financial Reconciliation Quarter to Date								
	Market Value 07/01/2015	Net Transfers	Contributions	Distributions	Management Fees	Other Expenses	Return On Investment	Market Value 09/30/2015
Total Equity	56,194,063	-257,712	-	-	-	-2,153	-4,169,320	51,764,878
Total Domestic Equity	45,290,063	-719,712	-	-	-	-2,153	-3,292,639	41,275,560
Anchor All Cap Value Equity	10,781,370	-319,011	-	-	-	-1,076	-1,001,860	9,459,423
Vanguard 500 Index Signal (VFIAX)	9,907,314	-400,701	_	_	-	<i>-</i>	-622,373	8,884,240
DSM Large Cap Growth	10,769,362	-	_	_	_	-1,076	-637,830	10,130,456
Vanguard Mid-Cap Index Fund (VMCIX)	13,832,017	-	-	-	-	-	-1,030,577	12,801,440
Total International Equity	10,904,000	462,000	-	-	-	-	-876,681	10,489,319
Manning & Napier Overseas (EXOSX)	-	-	-	-	-	-	-	-
American Funds EuroPacific Gr R6 (RERGX)	5,449,911	231,000	-	-	-	-	-540,702	5,140,209
WCM International Growth Fund (WCMIX)	5,454,089	231,000	-	-	-	-	-335,979	5,349,109
Total Fixed Income	20,120,080	202,724	-	-	-	-856	-240,968	20,080,979
Total Domestic Fixed Income	8,616,881	-31,109	-	-	-	-856	89,557	8,674,473
Schroders Core Fixed Income	7,458,479	-31,109	-	-	-	-741	99,888	7,526,517
Schroders TIPS	1,158,402	-	-	-	-	-115	-10,331	1,147,956
Total Global Fixed Income	7,703,229	-	-	-	-	-	-330,525	7,372,704
PIMCO Diversified Income Fund (PDIIX)	3,949,641	-	-	-	-	-	-102,359	3,847,282
Templeton Global Bond Fund (FBNRX)	3,753,588	-	-	-	-	-	-228,166	3,525,422
Total Real Estate	7,645,850	-	-	-	-17,488	-	252,891	7,881,253
Intercontinental	4,869,642	-	-	-	-8,813	-	178,579	5,039,408
ASB RE	2,776,208	-	-	-	-8,675	-	74,312	2,841,845
Total Non-Core Fixed Income	3,799,969	233,833		-	-	-	-	4,033,802
LBC Credit Partners III	2,285,410	-85,178	-	-	-	-	-	2,200,232
Crescent Direct Lending Levered Fund	1,514,559	319,011	-	-	-	-	-	1,833,570
Cash								
Receipt & Disbursement	207,181	182,241	1,425,031	-1,233,534	-	-870	7	580,057
Mutual Fund Cash	146,692	-127,253	9	-	-	-4,248	-	15,200
Boynton Beach Firefighters' Total Fund	84,313,865	-	1,425,040	-1,233,534	-17,488	-8,126	-4,157,390	80,322,367



# Financial Reconciliation Fiscal Year to Date Total Fund

October 1, 2014 To September 30, 2015

Financial Reconciliation Fiscal Year to Date								
	Market Value 10/01/2014	Net Transfers	Contributions	Distributions	Management Fees	Other Expenses	Return On Investment	Market Value 09/30/2015
Total Equity	E4 774 200	252 554	72 222		72 222	0 200	252 672	E4 764 070
Total Equity	51,774,390	352,551	73,323	-	-73,323	-8,389	-353,673	51,764,878
Total Domestic Equity	40,977,949	-109,449	73,323	-	-73,323	-8,389	415,449	41,275,560
Anchor All Cap Value Equity	10,507,535	-319,011	30,601	-	-30,601	-4,316	-724,785	9,459,423
Vanguard 500 Index Signal (VFIAX)	7,365,174	1,485,624	-	_	-	-	33,443	8,884,240
DSM Large Cap Growth	9,334,715	-	42,722	_	-42,722	-4,072	799,813	10,130,456
Vanguard Mid-Cap Index Fund (VMCIX)	13,770,525	-1,276,062	-	-	-	-	306,977	12,801,440
Total International Equity	10,796,441	462,000	-	-	-	-	-769,122	10,489,319
Manning & Napier Overseas (EXOSX)	10,796,441	-10,670,852	-	-	-	-	-125,588	-
American Funds EuroPacific Gr R6 (RERGX)	-	5,566,426	-	-	-	-	-426,217	5,140,209
WCM International Growth Fund (WCMIX)	-	5,566,426	-	-	-	-	-217,317	5,349,109
Total Fixed Income	18,616,809	1,364,689	14,749	-	-67,249	-139,491	291,472	20,080,979
Total Domestic Fixed Income	9,102,952	-683,762	14,749	-	-14,749	-3,555	258,838	8,674,473
Schroders Core Fixed Income	7,944,675	-683,762	14,749	-	-14,749	-3,094	268,698	7,526,517
Schroders TIPS	1,158,277	-	-	-	-	-461	-9,861	1,147,956
Total Global Fixed Income	7,704,268	-	-	-	-	-	-331,564	7,372,704
PIMCO Diversified Income Fund (PDIIX)	3,890,191	-	-	-	-	-	-42,909	3,847,282
Templeton Global Bond Fund (FBNRX)	3,814,078	-	-	-	-	-	-288,656	3,525,422
Total Real Estate	6,993,002	-	-	-	-107,452	-	995,703	7,881,253
Intercontinental	4,491,994	-	-	-	-74,617	-	622,031	5,039,408
ASB RE	2,501,008	-	-	-	-32,835	-	373,672	2,841,845
Total Non-Core Fixed Income	1,809,589	2,048,451	-	-	-52,500	-135,937	364,199	4,033,802
LBC Credit Partners III	1,809,589	234,022	-	-	-52,500	-70,317	279,438	2,200,232
Crescent Direct Lending Levered Fund	-	1,814,429	-	-	-	-65,620	84,761	1,833,570
Cash								
Receipt & Disbursement	774,065	-1,722,924	6,296,076	-4,763,804	-	-3,401	46	580,057
Mutual Fund Cash	26,356	5,685	9	-	-4,268	-12,585	3	15,200
Boynton Beach Firefighters' Total Fund	78,184,621	-	6,384,156	-4,763,804	-252,292	-163,866	933,552	80,322,367



Comparative Performance Trailing Returns													la a a a
	Q	TR	FY	TD	1 1	/R	3 `	YR	5 `	YR	Ince	otion	Inception Date
Total Fund (Net)	-4.98		0.72		0.72		7.93		7.86		4.66		01/01/2002
Total Fund Policy	-4.56		0.18		0.18		7.74		8.64		5.22		
Difference	-0.42		0.54		0.54		0.19		-0.78		-0.56		
Total Fund (Gross)	-4.96	(48)	1.03	(14)	1.03	(14)	8.39	(16)	8.34	(30)	4.91	(91)	01/01/2002
Total Fund Policy	-4.56	(27)	0.18	(30)	0.18	(30)	7.74	(31)	8.64	(21)	5.22	(82)	
Difference	-0.40		0.85		0.85		0.65		-0.30		-0.31		
All Public Plans-Total Fund Median	-5.03		-0.49		-0.49		7.11		7.78		5.88		
Fotal Equity	-7.49		-0.96		-0.96		10.95		10.04		2.49		10/01/2007
Total Equity Policy	-8.48		-3.37		-3.37		10.07		10.49		3.68		
Difference	0.99		2.41		2.41		0.88		-0.45		-1.19		
Total Domestic Equity	-7.38	(42)	0.63	(35)	0.63	(35)	13.01	(37)	12.44	(45)	4.43	(57)	10/01/2007
Total Domestic Equity Policy	-7.25	(39)	-0.49	(45)	-0.49	(45)	12.53	(44)	13.28	(27)	5.37	(38)	
Difference	-0.13		1.12		1.12		0.48		-0.84		-0.94		
IM U.S. All Cap Equity (SA+CF+MF) Median	-7.89		-1.08		-1.08		12.23		12.14		4.80		
Total International Equity	-7.97	(11)	-7.06	(39)	-7.06	(39)	3.82	(75)	2.38	(85)	-4.94	(98)	10/01/2007
Total International Equity Policy	-12.10	(88)	-11.78	(85)	-11.78	(85)	2.78	(90)	2.27	(87)	-1.76	(54)	
Difference	4.13		4.72		4.72		1.04		0.11		-3.18		
IM International Multi-Cap Core Equity (MF) Median	-9.96		-8.02		-8.02		5.26		3.82		-1.66		
Total Fixed Income	-1.20	(100)	1.53	(95)	1.53	(95)	2.55	(10)	3.58	(12)	4.95	(25)	10/01/2007
Total Fixed Income Policy	0.70	(75)	2.32	(72)	2.32	(72)	1.07	(96)	2.67	(62)	4.20	(88)	
Difference	-1.90		-0.79		-0.79		1.48		0.91		0.75		
IM U.S. Intermediate Duration (SA+CF) Median	0.93		2.65		2.65		1.70		2.85		4.60		
Total Domestic Fixed Income	1.05	(65)	2.92	(60)	2.92	(60)	1.78	(75)	3.01	(93)	4.59	(91)	10/01/2007
Total Domestic Fixed Income Policy	0.70	(88)	2.32	(85)	2.32	(85)	1.07	(100)	2.67	(99)	4.20	(97)	
Difference	0.35		0.60		0.60		0.71		0.34		0.39		
IM U.S. Broad Market Core Fixed Income (SA+CF) Median	1.15		3.02		3.02		1.99		3.56		5.18		
Total Global Fixed Income	-4.29	(90)	-4.30	(59)	-4.30	(59)	1.09	(29)	N/A		3.36	(18)	03/01/2011
BofA Merrill Lynch Global Broad Market Index	1.16	(5)	-2.44	(34)	-2.44	(34)	-1.23	(57)	1.08	(53)	1.31	(53)	
Difference	-5.45		-1.86		-1.86		2.32		N/A		2.05		
IM Global Fixed Income (MF) Median	-0.35		-3.75		-3.75		-0.53		1.26		1.46		
Total Real Estate	3.31	(N/A)	14.34	(N/A)	14.34	(N/A)	14.78	(N/A)	14.60	(N/A)	13.28	(N/A)	05/01/2010
Total Real Estate Policy	3.63	(N/A)	14.71	(N/A)	14.71	(N/A)	13.18	(N/A)	13.85	(N/A)	14.72	(N/A)	
Difference	-0.32		-0.37		-0.37		1.60		0.75		-1.44		
IM U.S. Open End Private Real Estate (SA+CF) Median	N/A		N/A		N/A		N/A		N/A		N/A		



	Q.	ΓR	FY	TD	1,	/R	3 `	YR	5	YR	Ince	otion	Inception Date
Domestic Equity													
Anchor All Cap Value Equity	-9.58	(65)	-7.19	(83)	-7.19	(83)	10.33	(78)	11.52	(76)	12.77	(64)	08/01/2009
Russell 3000 Value Index	-8.59	(52)	-4.22	(73)	-4.22	(73)	11.40	(59)	12.11	(59)	12.91	(61)	
Difference	-0.99		-2.97		-2.97		-1.07		-0.59		-0.14		
IM U.S. All Cap Value Equity (SA+CF) Median	-8.32		-2.59		-2.59		12.13		12.48		13.40		
Vanguard 500 Index Signal (VFIAX)	-6.46	(22)	-0.60	(1)	-0.60	(1)	12.37	(3)	13.25	(7)	5.60	(6)	12/01/2007
S&P 500 Index	-6.44	(6)	-0.61	(2)	-0.61	(2)	12.40	(1)	13.34	(1)	5.64	(3)	
Difference	-0.02		0.01		0.01		-0.03		-0.09		-0.04		
IM S&P 500 Index (MF) Median	-6.55		-1.06		-1.06		11.90		12.81		5.17		
DSM Large Cap Growth	-5.92	(51)	8.57	(7)	8.57	(7)	15.08	(25)	15.45	(22)	14.89	(38)	11/01/2008
Russell 1000 Growth Index	-5.29	(33)	3.17	(55)	3.17	(55)	13.61	(53)	14.47	(41)	15.05	(35)	
Difference	-0.63		5.40		5.40		1.47		0.98		-0.16		
IM U.S. Large Cap Growth Equity (SA+CF) Median	-5.89		3.61		3.61		13.71		13.94		14.35		
Vanguard Mid-Cap Index Fund (VMCIX)	-7.45	(27)	1.61	(23)	1.61	(23)	N/A		N/A		11.13	(11)	07/01/2013
CRSP U.S. Mid Cap TR Index	-7.44	(26)	1.76	(21)	1.76	(21)	14.75	(9)	13.75	(10)	11.24	(9)	
Difference	-0.01		-0.15		-0.15		N/A		N/A		-0.11		
IM U.S. Mid Cap Core Equity (MF) Median	-8.71		-1.43		-1.43		12.19		11.36		7.95		
International Equity													
WCM International Growth Fund (WCMIX)	-6.12	(7)	N/A		N/A		N/A		N/A		-5.21	(14)	04/01/2015
MSCI AC World ex USA	-12.10	(86)	-11.78	(98)	-11.78	(98)	2.78	(92)	2.27	(94)	-11.46	(87)	
Difference	5.98	. ,	N/A	. ,	N/A	. ,	N/A	. ,	N/A	. ,	6.25	` ′	
IM International Large Cap Growth Equity (MF) Median	-9.99		-6.03		-6.03		4.86		3.86		-8.96		
American Funds EuroPacific Gr R6 (RERGX)	-9.81	(42)	N/A		N/A		N/A		N/A		-8.80	(44)	04/01/2015
MSCI AC World ex USA	-12.10	(86)	-11.78	(98)	-11.78	(98)	2.78	(92)	2.27	(94)	-11.46	(87)	
Difference	2.29		N/A		N/A		N/A		N/A		2.66		
IM International Large Cap Growth Equity (MF) Median	-9.99		-6.03		-6.03		4.86		3.86		-8.96		



	Q.	ΓR	FY	TD	1 `	/R	3 `	YR	5	YR	Ince	otion	Inceptior Date
Domestic Fixed Income													
Schroders Core Fixed Income	1.36	(4)	3.50	(8)	3.50	(8)	2.32	(18)	3.15	(29)	4.76	(38)	04/01/2007
Schroders Core Fixed Income Policy	1.08	(30)	2.95	(28)	2.95	(28)	1.64	(57)	2.69	(61)	4.34	(82)	
Difference	0.28		0.55		0.55		0.68		0.46		0.42		
IM U.S. Intermediate Duration (SA+CF) Median	0.93		2.65		2.65		1.70		2.85		4.62		
Schroders TIPS	-0.89		-0.85		-0.85		-1.54		1.91		3.41		11/01/2007
Barclays U.S. Treasury: U.S. TIPS Index	-1.15		-0.83		-0.83		-1.83		2.55		4.06		
Difference	0.26		-0.02		-0.02		0.29		-0.64		-0.65		
Barclays U.S. TIPS 1-10 Year	-0.86		-0.82		-0.82		-1.39		1.79		3.40		
Difference	-0.03		-0.03		-0.03		-0.15		0.12		0.01		
Global Fixed Income													
PIMCO Diversified Income Fund (PDIIX)	-2.59	(79)	-1.10	(27)	-1.10	(27)	1.73	(22)	N/A		4.32	(9)	03/01/2011
Barclays Global Credit (Hedged)	-0.36	(51)	0.86	(17)	0.86	(17)	3.02	(6)	4.41	(8)	4.86	(5)	
Difference	-2.23	, ,	-1.96	, ,	-1.96	, ,	-1.29	,	N/A	. ,	-0.54	. ,	
IM Global Fixed Income (MF) Median	-0.35		-3.75		-3.75		-0.53		1.26		1.46		
Templeton Global Bond Fund (FBNRX)	-6.08	(100)	-7.57	(90)	-7.57	(90)	0.59	(36)	N/A		2.48	(33)	03/01/2011
Citigroup World Government Bond Index	1.71	(1)	-3.83	(52)	-3.83	(52)	-2.85	(85)	-0.19	(82)	0.10	(77)	00/01/2011
Difference	-7.79	(1)	-3.74	(32)	-3.74	(32)	3.44	(00)	N/A	(02)	2.38	(11)	
IM Global Fixed Income (MF) Median	-0.35		-3.75		-3.75		-0.53		1.26		1.46		
Real Estate													
Intercontinental	3.67	(N/A)	13.96	(N/A)	13.96	(N/A)	15.41	(N/A)	14.98	(N/A)	13.41	(N/A)	04/01/2010
NCREIF ODCE	3.63	(N/A)	14.71	(N/A)	14.71	(N/A)	13.18	(N/A)	13.85	(N/A)	14.48	(N/A)	
Difference	0.04		-0.75		-0.75		2.23		1.13		-1.07		
IM U.S. Open End Private Real Estate (SA+CF) Median	N/A												
ASB RE	2.68	(N/A)	15.01	(N/A)	15.01	(N/A)	13.68	(N/A)	N/A		13.68	(N/A)	10/01/2012
NCREIF Fund ODCE	3.63	(N/A)	14.71	(N/A)	14.71	(N/A)	13.18	(N/A)	13.85	(N/A)	13.18	(N/A)	
Difference	-0.95		0.30	, ,	0.30		0.50		N/A		0.50	. ,	
IM U.S. Open End Private Real Estate (SA+CF) Median	N/A												



# **Comparative Performance - IRR**

## As of September 30, 2015

Comparative Performance - IRR				
	QTR	1 YR	Inception	Inception Date
Total Non-Core Fixed Income	0.00	5.67	7.53	06/23/2014
Crescent Direct Lending Levered Fund	0.00	1.55	1.55	10/01/2014
LBC Credit Partners III	0.00	8.35	10.76	06/23/2014



Comparative Performance Fiscal Year Returns																			
	FYTD	Т	2013 o 2014	Oct-: T Sep-		Oct- T Sep-	o	Oct-2 To Sep-2	0	Oct-/ T Sep-	0	Oct-2 To Sep-2	0	Oct-2 To Sep-2	0	Oct-2 T Sep-	o	Т	2005 o -2006
Total Fund (Net)	0.72	10.27		13.19		16.85		-0.65		8.86		0.39		-16.85		12.60		5.63	
Total Fund Policy	0.18	10.72		12.75		18.46		2.14		9.96		0.46		-12.79		12.37		8.29	
Difference	0.54	-0.45		0.44		-1.61		-2.79		-1.10		-0.07		-4.06		0.23		-2.66	
Total Fund (Gross)	1.03 (14)	10.82	(35)	13.73	(30)	17.43	(56)	-0.15	(62)	9.37	(66)	0.75	(64)	-16.85	(92)	12.71	(75)	5.63	(94)
Total Fund Policy	0.18 (30)	10.72	(38)	12.75	(47)	18.46	(37)	2.14	(17)	9.96	(51)	0.46	(67)	-12.79	(42)	12.37	(80)	8.29	(55)
Difference	0.85	0.10		0.98		-1.03		-2.29		-0.59		0.29		-4.06		0.34		-2.66	
All Public Plans-Total Fund Median	-0.49	10.12		12.50		17.86		0.32		9.98		1.69		-13.41		14.31		8.52	
Total Equity	-0.96	13.04		21.99		24.13		-4.84		11.41		-7.70		-26.59		N/A		N/A	
Total Equity Policy	-3.37	14.53		20.52		26.34		-2.27		10.41		-4.64		-23.02		16.02		10.79	
Difference	2.41	-1.49		1.47		-2.21		-2.57		1.00		-3.06		-3.57		N/A		N/A	
Total Domestic Equity	0.63 (35)	17.31	(30)	22.27	(58)	27.05	(47)	-1.98	(53)	13.08	(30)	-8.26	(77)	-24.14	(57)	N/A		N/A	
Total Domestic Equity Policy	-0.49 (45)	17.76	(25)	21.60	(64)	30.20	(20)	0.55	(30)	10.96	(46)	-6.15	(63)	-21.77	(34)	15.89	(63)	10.79	(27)
Difference	1.12	-0.45	` '	0.67	, ,	-3.15	,	-2.53	,	2.12	` ,	-2.11	, ,	-2.37	, ,	N/A	` /	N/A	` ,
IM U.S. All Cap Equity (SA+CF+MF) Median	-1.08	15.32		23.36		26.62		-1.73		10.45		-4.21		-23.41		17.47		8.50	
Total International Equity	-7.06 (39)	-0.43	(95)	20.93	(55)	15.82	(36)	-13.23	(82)	2.52	(80)	-4.87	(91)	-39.20	(98)	N/A		N/A	
Total International Equity Policy	-11.78 (85)	5.22	(31)	16.98	(85)	15.04	(50)	-10.42	(38)	6.90	(30)	3.80	(36)	-30.13	(35)	25.38	(42)	19.65	(23)
Difference	4.72	-5.65		3.95		0.78		-2.81		-4.38		-8.67		-9.07		N/A		N/A	
IM International Multi-Cap Core Equity (MF) Median	-8.02	4.29		21.68		14.99		-11.09		4.91		1.78		-31.08		24.97		18.26	
Total Fixed Income	1.53	6.10		0.12		8.83		1.60		8.25		13.29		0.63		N/A		N/A	
Total Fixed Income Policy	2.32	2.55		-1.62		5.11		5.16		7.78		9.19		3.52		5.31		3.54	
Difference	-0.79	3.55		1.74		3.72		-3.56		0.47		4.10		-2.89		N/A		N/A	
Total Domestic Fixed Income	2.92 (60)	3.13	(97)	-0.67	(22)	5.88	(78)	3.91	(94)	8.25	(84)	13.29	(33)	0.63	(67)	N/A		N/A	
Total Domestic Fixed Income Policy	2.32 (85)	2.55	(99)	-1.62	(77)	5.11	(93)	5.16	(58)	7.78	(93)	9.19	(90)	3.52	(36)	5.31	(34)	3.54	(87)
Difference	0.60	0.58		0.95		0.77		-1.25		0.47		4.10		-2.89		N/A		N/A	
IM U.S. Broad Market Core Fixed Income (SA+CF) Median	3.02	4.51		-1.28		6.60		5.26		9.22		12.29		2.54		5.15		3.86	
Total Global Fixed Income	-4.30 (59)	6.22	(14)	1.63	(6)	14.77	(3)	N/A		N/A		N/A		N/A		N/A		N/A	
BofA Merrill Lynch Global Broad Market Index	-2.44 (34)	1.45	(81)	-2.65	(64)	5.10	(88)	4.18	(9)	6.22	(84)	13.36	(58)	2.80	(14)	8.01	(44)	3.36	(24)
Difference	-1.86	4.77		4.28		9.67		N/A		N/A		N/A		N/A		N/A		N/A	
IM Global Fixed Income (MF) Median	-3.75	3.53		-1.52		7.19		1.61		7.82		13.86		-1.53		7.30		2.53	
Total Real Estate	14.34 (N/A)	13.66	(40)	16.37	(17)	12.16	(60)	16.52	(54)	N/A		N/A		N/A		N/A		N/A	
Total Real Estate Policy	14.71 (N/A)	12.39	(71)	12.47	(68)	11.77	(66)	18.03	(41)	6.14	(52)	-36.09	(54)	3.73	(46)	17.84	(58)	17.49	(55)
Difference	-0.37	1.27		3.90		0.39		-1.51		N/A		N/A		N/A		N/A		N/A	
IM U.S. Open End Private Real Estate (SA+CF) Median	N/A	12.90		13.18		12.90		16.62		6.39		-34.80		3.23		18.34		18.08	



As of September 30, 2015

																AS UI	Septe	mber 30	J, 20 I
	FYTD	Oct-20 To Sep-20		Oct-2 To Sep-2	0	Oct- T Sep-	0	Oct-2 To Sep-2	0	Oct- T Sep-	0	Oct-2 To Sep-2	0	Oct-2 To Sep-2	5	Oct-2 To Sep-2	o	Т	2005 o 2006
Domestic Equity																			
Anchor All Cap Value Equity	-7.19 (83)	17.85 (	24)	22.80	(68)	23.97	(75)	3.61	(16)	12.47	(41)	N/A		N/A		N/A		N/A	
Russell 3000 Value Index	-4.22 (73)	17.66 (	28)	22.67	(69)	31.05	(18)	-2.22	(61)	9.15	(71)	-10.79	(94)	-22.70	(76)	13.73	(79)	14.55	(22)
Difference	-2.97	0.19		0.13		-7.08		5.83		3.32		N/A		N/A		N/A		N/A	
IM U.S. All Cap Value Equity (SA+CF) Median	-2.59	15.40		26.39		27.72		-1.25		10.77		-3.46		-19.90		16.93		11.19	
Dalton All Cap Value Equity	N/A	N/A		N/A		22.28	(83)	-5.44	(92)	17.46	(12)	N/A		N/A		N/A		N/A	
Russell 3000 Value Index	-4.22 (73)	17.66 (	28)	22.67	(69)	31.05	(18)	-2.22	(61)	9.15	(71)	-10.79	(94)	-22.70	(76)	13.73	(79)	14.55	(22)
Difference	N/A	N/A		N/A		-8.77		-3.22		8.31		N/A		N/A		N/A		N/A	
IM U.S. All Cap Value Equity (SA+CF) Median	-2.59	15.40		26.39		27.72		-1.25		10.77		-3.46		-19.90		16.93		11.19	
Vanguard 500 Index Signal (VFIAX)	-0.60 (1)	19.65 (	7)	19.31	(3)	29.99	(18)	0.99	(16)	10.16	(4)	-6.80	(10)	N/A		N/A		N/A	
S&P 500 Index	-0.61 (2)	19.73 (	1)	19.34	. ,	30.20	(1)	1.14	(2)	10.16	(4)	-6.91	. ,	-21.98	(10)	16.44	(2)	10.79	(3)
Difference	0.01	-0.08		-0.03		-0.21	, ,	-0.15	` '	0.00		0.11		N/A		N/A	. ,	N/A	. ,
IM S&P 500 Index (MF) 1st Quartile	-0.79	19.48		19.10		29.93		0.90		9.95		-6.97		-22.13		16.17		10.53	
DSM Large Cap Growth	8.57 (7)	17.22 (	59)	19.76	(59)	35.68	(3)	-0.82	(73)	17.48	(9)	N/A		N/A		N/A		N/A	
Russell 1000 Growth Index	3.17 (55)	19.15 (	37)	19.27	(65)	29.19	(38)	3.78	(29)	12.65	(36)	-1.85	(38)	-20.88	(54)	19.35	(57)	6.04	(58)
Difference	5.40	-1.93		0.49	, ,	6.49	, ,	-4.60	` '	4.83	, ,	N/A		N/A		N/A		N/A	, ,
IM U.S. Large Cap Growth Equity (SA+CF) Median	3.61	18.00		20.35		27.57		1.36		11.30		-3.07		-20.31		20.19		6.80	
Vanguard Mid-Cap Index Fund (VMCIX)	1.61 (23)	15.89 (	15)	N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A	
CRSP U.S. Mid Cap TR Index	1.76 (21)	15.94 (	15)	28.08	(39)	26.23	(50)	-0.18	(21)	18.04	(6)	-4.75	(52)	-23.20	(64)	18.92	(33)	10.06	(22)
Difference	-0.15	-0.05		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A	
IM U.S. Mid Cap Core Equity (MF) Median	-1.43	11.90		27.56		26.20		-3.62		13.58		-4.62		-21.61		16.40		7.10	
International Equity																			
Manning & Napier Overseas (EXOSX)	N/A	-0.43 (	95)	20.93	(55)	16.04	(33)	-12.54	(75)	2.52	(80)	N/A		N/A		N/A		N/A	
Total International Equity Policy	-11.78 (85)	•	31)	16.98	(85)	15.04	(50)	-10.42	(38)	6.90	(30)	3.80	(36)	-30.13	(35)	25.38	(42)	19.65	(23)
Difference	N/A	-5.65		3.95	, ,	1.00	,	-2.12	,	-4.38	,	N/A	. ,	N/A	, ,	N/A	` '	N/A	, ,
IM International Multi-Cap Core Equity (MF) Median	-8.02	4.29		21.68		14.99		-11.09		4.91		1.78		-31.08		24.97		18.26	
American Funds EuroPacific Gr R6 (RERGX)	N/A	N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A	
MSCI AC World ex USA	-11.78 (98)	5.22 (	34)	16.98	(66)	15.04	(75)	-10.42	(44)	8.00	(43)	6.43	(15)	-29.97	(63)	31.06	(25)	19.36	(28)
Difference	N/A	N/A		N/A		N/A		N/A	. ,	N/A	. ,	N/A		N/A		N/A	. ,	N/A	. ,
IM International Large Cap Growth Equity (MF) Median	-6.03	3.95		18.74		17.69		-10.81		7.25		0.75		-28.39		27.59		18.09	
WCM International Growth Fund (WCMIX)	N/A	N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A	
MSCI AC World ex USA	-11.78 (98)	5.22 (	34)	16.98	(66)	15.04	(75)	-10.42	(44)	8.00	(43)	6.43	(15)	-29.97	(63)	31.06	(25)	19.36	(28)
Difference	N/A	N/A		N/A		N/A		N/A	. ,	N/A	. ,	N/A		N/A		N/A	. ,	N/A	. ,
IM International Large Cap Growth Equity (MF) Median	-6.03	3.95		18.74		17.69		-10.81		7.25		0.75		-28.39		27.59		18.09	

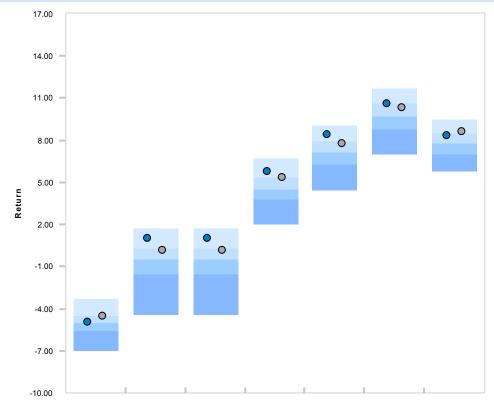


As of September 30, 2015

															A5 01	Septe	inber 30	, ZU
	FYTD	Oct-201: To Sep-201		t-2012 To p-2013	Т	2011 o 2012	Oct-2 To Sep-2	5	Oct-2 To Sep-2	0	Oct-2 To Sep-2	)	Oct-2 To Sep-2	)	Oct-2 To Sep-2	0	Oct-: T Sep-	0
Domestic Fixed Income																		
Schroders Core Fixed Income	3.50 (8)	3.46 (2	9) 0.0	4 (32)	5.63	(49)	3.20	(71)	8.34	(47)	14.83	(12)	-0.36	(87)	N/A		N/A	
Schroders Core Fixed Income Policy	2.95 (28)	2.74 (5	9) -0.7	1 (78)	4.31	(84)	4.22	(23)	7.52	(77)	9.69	(81)	4.16	(35)	4.85	(93)	3.33	(98
Difference	0.55	0.72	0.7	<b>'</b> 5	1.32		-1.02		0.82		5.14		-4.52		N/A		N/A	
IM U.S. Intermediate Duration (SA+CF) Median	2.65	2.88	-0.2	26	5.59		3.60		8.27		11.52		3.22		5.49		3.92	
Schroders TIPS	-0.85	0.77	-4.4	7	6.96		7.69		7.59		3.80		N/A		N/A		N/A	
Barclays U.S. Treasury: U.S. TIPS Index	-0.83	1.59	-6.1	0	9.10		9.87		8.89		5.67		6.20		4.97		1.91	
Difference	-0.02	-0.82	1.6	3	-2.14		-2.18		-1.30		-1.87		N/A		N/A		N/A	
Barclays U.S. TIPS 1-10 Year	-0.82	0.61	-3.9	0	6.32		7.19		7.40		4.02		7.89		5.32		2.28	
Difference	-0.03	0.16	-0.5	57	0.64		0.50		0.19		-0.22		N/A		N/A		N/A	
Global Fixed Income																		
PIMCO Diversified Income Fund (PDIIX)	-1.10 (27)	6.09 (1	7) 0.3	5 (25)	16.25	(3)	N/A		N/A									
Barclays Global Credit (Hedged)	0.86 (17)	6.83 (9	1.4	6 (9)	11.61	(7)	1.69	(49)	11.05	(31)	15.99	(25)	-4.40	(78)	3.82	(82)	4.02	(1
Difference	-1.96	-0.74	-1.1	1	4.64		N/A		N/A		N/A		N/A		N/A		N/A	
IM Global Fixed Income (MF) Median	-3.75	3.53	-1.5	52	7.19		1.61		7.82		13.86		-1.53		7.30		2.53	
Templeton Global Bond Fund (FBNRX)	-7.57 (90)	6.35 (1	2) 3.5	2 (3)	13.25	(5)	N/A		N/A									
Citigroup World Government Bond Index	-3.83 (52)	-0.07 (9	7) -4.6	0 (85)	3.29	(97)	4.61	(8)	4.99	(95)	13.78	(51)	5.90	(6)	8.69	(31)	2.23	(6
Difference	-3.74	6.42	8.1	2	9.96		N/A		N/A		N/A		N/A		N/A		N/A	
IM Global Fixed Income (MF) Median	-3.75	3.53	-1.5	52	7.19		1.61		7.82		13.86		-1.53		7.30		2.53	
Real Estate																		
Intercontinental	13.96 (N/A)	14.10 (3	7) 18.2	1 (10)	12.21	(60)	16.52	(54)	N/A		N/A		N/A		N/A		N/A	
NCREIF ODCE	14.71 (N/A)	12.39 (7	1) 12.4	7 (68)	11.77	(66)	18.03	(41)	6.14	(52)	-36.09	(54)	3.73	(46)	17.84	(58)	17.49	(5
Difference	-0.75	1.71	5.7	'4	0.44		-1.51		N/A		N/A		N/A		N/A		N/A	
IM U.S. Open End Private Real Estate (SA+CF) Median	N/A	12.90	13.1	8	12.90		16.62		6.39		-34.80		3.23		18.34		18.08	
ASB RE	15.01 (N/A)	12.85 (5	1) 13.2	20 (50)	N/A		N/A		N/A		N/A		N/A		N/A		N/A	
NCREIF Fund Index-Open End Diversified Core (EW)	14.71 (N/A)	12.39 (7	1) 12.4	7 (68)	11.77	(66)	18.03	(41)	6.14	(52)	-36.09	(54)	3.73	(46)	17.84	(58)	17.49	(5
Difference	0.30	0.46	0.7	'3	N/A		N/A		N/A		N/A		N/A		N/A		N/A	
IM U.S. Open End Private Real Estate (SA+CF) Median	N/A	12.90	13.1	8	12.90		16.62		6.39		-34.80		3.23		18.34		18.08	



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



	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR
<ul><li>Total Fund</li></ul>	-4.96 (48)	1.03 (14)	1.03 (14)	5.81 (17)	8.39 (16)	10.58 (25)	8.34 (30)
<ul><li>Total Fund Policy</li></ul>	-4.56 (27)	0.18 (30)	0.18 (30)	5.32 (27)	7.74 (31)	10.33 (32)	8.64 (21)
Median	-5.03	-0.49	-0.49	4.52	7.11	9.65	7.78

Total Fu	und		Oct-2 To Sep-2	015	Oct-2 To Sep-2	o 2014	Sep-	o 2013	Oct-7 Sep- 17.43	o 2012	Oct-2 To Sep-2	o 2011	Oct-2 To Sep-2 9.37	2010
	-12.00													
	-8.00	-												
	-4.00	-												
	0.00	-	• 0	)							0	)		
	4.00	-												
Return	8.00	-											• 0	,
	12.00	-			• (		• (							
	16.00	-							• `					
	20.00	-							(	0				
	24.00	-												
	28.00													

● Total Fund Policy 0.18 (30) 10.72 (38) 12.75 (47) 18.46 (37) 2.14 (17) 9.96 (51)

12.50

17.86

10.12

Comparative Performance						
	1 Qtr Ending Jun-2015	1 Qtr Ending Mar-2015	1 Qtr Ending Dec-2014	1 Qtr Ending Sep-2014	1 Qtr Ending Jun-2014	1 Qtr Ending Mar-2014
Total Fund	0.51 (16)	2.58 (39)	3.09 (17)	-1.04 (47)	3.72 (43)	1.78 (46)
Total Fund Policy	0.37 (22)	2.16 (73)	2.37 (44)	-0.51 (18)	3.85 (36)	1.68 (54)
All Public Plans-Total Fund Median	-0.09	2.44	2.25	-1.14	3.63	1.72

Median

-0.49



0.32

9.98

9/15

#### 3 Yr Rolling Under/Over Performance - 5 Years 24.0 Over Total Fund (%) Performance 0.0 Under Performance -6.0 0.0 12.0 -6.0 6.0 18.0 24.0 Total Fund Policy (%) Over Performance Under Performance

# 3 Yr Rolling Percentile Ranking - 5 Years 25.0 50.0 75.0 100.0

	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
<ul><li>Total Fund</li></ul>	20	4 (20%)	5 (25%)	9 (45%)	2 (10%)
<ul><li>Total Fund Policy</li></ul>	20	7 (35%)	11 (55%)	2 (10%)	0 (0%)

6/13

12/12

12/13

6/14

12/14

6/11

12/10

12/11

6/12

#### Peer Group Scattergram - 3 Years 8.60 § 8.17 7.74 7.74 6.88 5.55 5.70 5.85 6.00 6.15 6.30 6.45 6.60 6.75 Risk (Standard Deviation %)

X Latest Date

Earliest Date

Peer Group So	attergram - 5 Yea	rs			
8.96					
8.68	0				
8.68 — 8.40 — 8.12 —	<b>O</b>				
8.12					
7.84					
7.56					
7.2	7.4	7.6	7.8	8.0	8.2
		Risk (Standard I	Deviation %)		

	Return	Standard Deviation
<ul><li>Total Fund</li></ul>	8.39	6.56
<ul> <li>Total Fund Policy</li> </ul>	7.74	5.82
Median	7.11	6.29

	Return	Standard Deviation
<ul><li>Total Fund</li></ul>	8.34	7.94
<ul> <li>Total Fund Policy</li> </ul>	8.64	7.33
Median	7.81	7.80

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Total Fund	1.14	109.51	111.07	-0.24	0.57	1.25	1.12	3.64
Total Fund Policy	0.00	100.00	100.00	0.00	N/A	1.30	1.00	3.20

Historical Statistics	Tracking Error	Up Market	Down Market	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside
Total Fund	1.17	<b>Capture</b> 104.78	<b>Capture</b> 114.73	-0.86	-0.19	1.04	1.07	<b>Risk</b> 4.80
Total Fund Policy	0.00	100.00	100.00	0.00	N/A	1.16	1.00	4.20



#### Peer Group Analysis - IM U.S. All Cap Value Equity (SA+CF) 26.00 52.00 44.00 20.00 0 36.00 14.00 00 0 0 0 28.00 8.00 00 0 0 20.00 Return Return 00 2.00 12.00 0 -4.00 0 0 4.00 • 0 -10.00 0 -4.00 0 -16.00 -12.00 -22.00 -20.00 Oct-2009 Oct-2014 Oct-2013 Oct-2012 Oct-2011 Oct-2010 То То То То То QTR **FYTD** 1 YR 2 YR 3 YR 4 YR 5 YR Sep-2015 Sep-2014 Sep-2013 Sep-2012 Sep-2011 Sep-2010 Anchor All Cap Value -9.58 (65) -7.19 (83) -7.19 (83) 4.58 (76) 10.33 (78) 13.59 (78) 11.52 (76) Anchor All Cap Value -7.19 (83) 17.85 (24) 22.80 (68) 23.97 (75) 3.61 (16) 12.47 (41) Russell 3000 Value -8.59 (52) -4.22 (73) -4.22 (73) 6.16 (51) 11.40 (59) 16.02 (47) 12.11 (59) Russell 3000 Value -4.22 (73) 17.66 (28) 22.67 (69) 31.05 (18) -2.22 (61) 9.15 (71) Median -8.32 -2.59 -2.59 6.18 12.13 15.74 12.48 Median -2.59 15.40 26.39 27.72 -1.25 10.77 **Comparative Performance** 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr **Ending** Ending **Ending** Ending Ending **Ending** Jun-2015 Mar-2015 Dec-2014 Sep-2014 Jun-2014 Mar-2014 Anchor All Cap Value -1.73 (91) 0.01 (78) 4.43 (45) -0.73 (31) 5.58 (27) 3.80 (15)5.31 Russell 3000 Value (48)-0.51 (87)(28)-0.87 (34) 4.89 (48)2.92 (33)0.00



2.09

4.13

-1.36

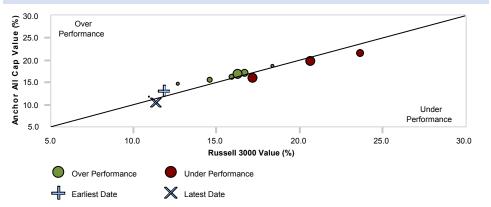
4.84

1.45

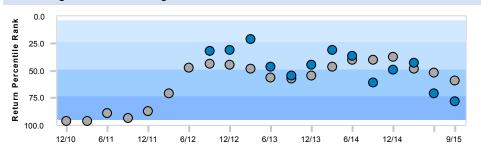
-0.08

IM U.S. All Cap Value Equity (SA+CF) Median

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

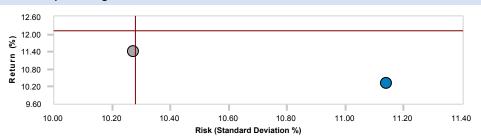


## 3 Yr Rolling Percentile Ranking - 5 Years



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count	
<ul><li>Anchor All Cap Value</li></ul>	13	1 (8%)	8 (62%)	3 (23%)	1 (8%)	
<ul><li>Russell 3000 Value</li></ul>	20	0 (0%)	9 (45%)	6 (30%)	5 (25%)	

#### Peer Group Scattergram - 3 Years



	Return	Standard Deviation
<ul> <li>Anchor All Cap Value</li> </ul>	10.33	11.14
<ul><li>Russell 3000 Value</li></ul>	11.40	10.27
Median	12.13	10.28

#### Peer Group Scattergram - 5 Years



	Return	Standard Deviation
<ul> <li>Anchor All Cap Value</li> </ul>	11.52	11.77
<ul><li>Russell 3000 Value</li></ul>	12.11	14.16
Median	12.48	14.98

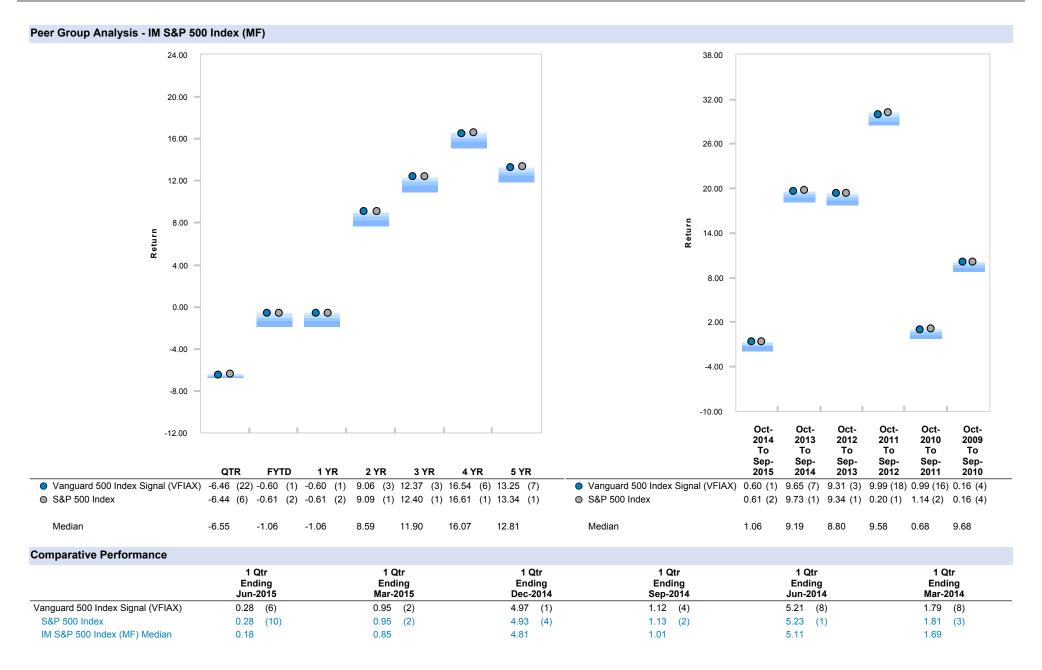
#### **Historical Statistics - 3 Years**

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Anchor All Cap Value	3.14	91.15	91.15	-0.07	-0.32	1.07	0.92	5.61
Russell 3000 Value	0.00	100.00	100.00	0.00	N/A	1.13	1.00	5.87

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

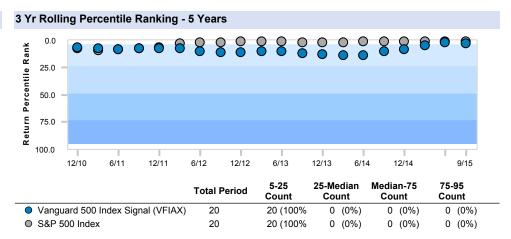
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Anchor All Cap Value	3.95	86.13	77.93	1.70	-0.19	1.11	0.80	5.81
Russell 3000 Value	0.00	100.00	100.00	0.00	N/A	1.00	1.00	7.19

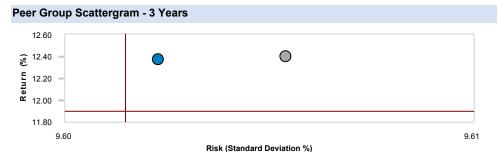






#### 3 Yr Rolling Under/Over Performance - 5 Years ard 500 Index Signal (VFL) Over Performance Under Performance 0.0 10.0 -10.0 20.0 30.0 S&P 500 Index (%) Over Performance Under Performance Earliest Date X Latest Date





Peer Group Scatterg	ıram - 5 Years		
13.60 13.40 – 13.20 – 13.00 –	0	•	
12.80 12.60 11.40	11.41 Risk (Standard	11.42	11.43

	Return	Standard Deviation
<ul><li>Vanguard 500 Index Signal (VFIAX)</li></ul>	12.37	9.60
S&P 500 Index	12.40	9.61
Median	11.90	9.60

	Return	Standard Deviation
<ul> <li>Vanguard 500 Index Signal (VFIAX)</li> </ul>	13.25	11.42
<ul> <li>S&amp;P 500 Index</li> </ul>	13.34	11.41
Median	12.81	11.41

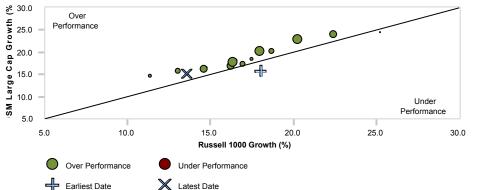
Historical Statistics - 3 Years								
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Vanguard 500 Index Signal (VFIAX)	0.03	99.87	100.02	-0.03	-0.93	1.26	1.00	5.40
S&P 500 Index	0.00	100.00	100.00	0.00	N/A	1.26	1.00	5.39
Historical Statistics - 5 Years								
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Vanguard 500 Index Signal (VFIAX)	0.08	99.78	100.27	-0.09	-1.06	1.15	1.00	6.53
S&P 500 Index	0.00	100.00	100.00	0.00	N/A	1.15	1.00	6.50



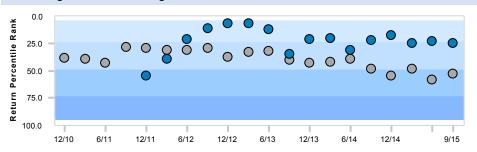




# 3 Yr Rolling Under/Over Performance - 5 Years

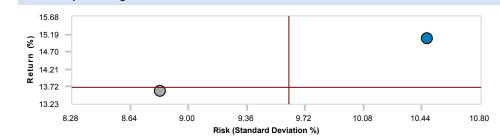


# 3 Yr Rolling Percentile Ranking - 5 Years



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count	
<ul> <li>DSM Large Cap Growth</li> </ul>	16	12 (75%)	3 (19%)	1 (6%)	0 (0%)	
<ul> <li>Russell 1000 Growth</li> </ul>	20	0 (0%)	17 (85%)	3 (15%)	0 (0%)	

#### Peer Group Scattergram - 3 Years



	Return	Standard Deviation
<ul> <li>DSM Large Cap Growth</li> </ul>	15.08	10.47
<ul><li>Russell 1000 Growth</li></ul>	13.61	8.83
Median	13.71	9.62

#### Peer Group Scattergram - 5 Years



	Return	Deviation
<ul> <li>DSM Large Cap Growth</li> </ul>	15.45	14.54
<ul> <li>Russell 1000 Growth</li> </ul>	14.47	12.91
Median	13.94	13.95

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

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
DSM Large Cap Growth	4.66	111.89	112.36	-0.16	0.33	1.22	1.13	6.40
Russell 1000 Growth	0.00	100.00	100.00	0.00	N/A	1.33	1.00	5.15

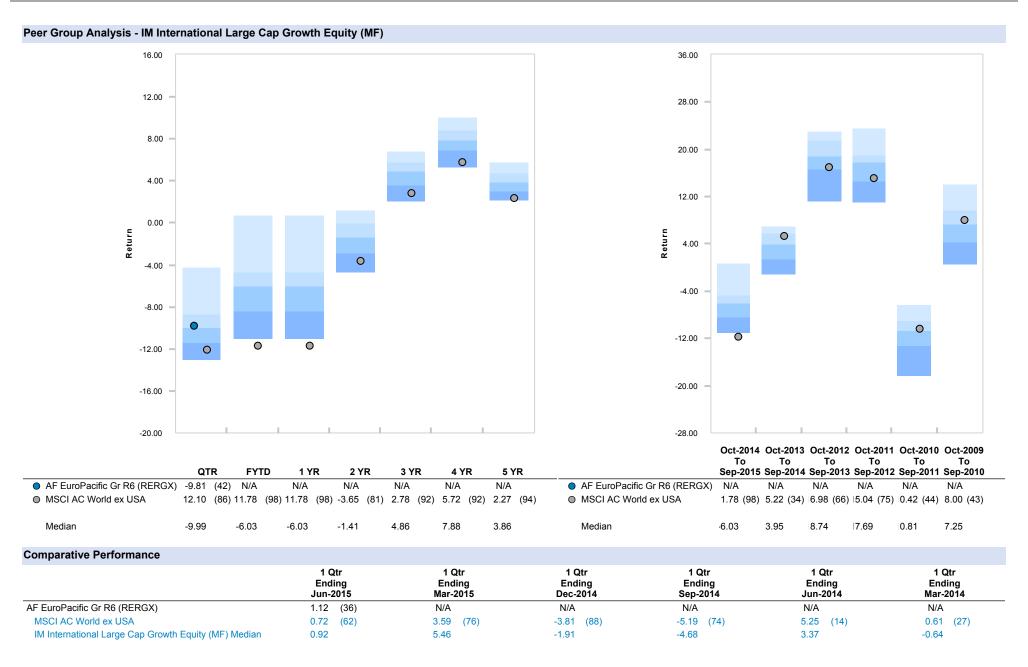
#### **Historical Statistics - 5 Years**

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
DSM Large Cap Growth	4.24	108.28	109.31	-0.29	0.25	1.14	1.10	7.45
Russell 1000 Growth	0.00	100.00	100.00	0.00	N/A	1.22	1.00	6.44











### Peer Group Analysis - IM International Large Cap Growth Equity (MF) 16.00 36.00 12.00 28.00 8.00 20.00 0 0 0 4.00 0 12.00 0 0.00 Return Return 4.00 0 -4.00 -4.00 -8.00 0 -12.00 0 0 -12.00 0 -20.00 -16.00 -20.00 -28.00 Oct-2014 Oct-2013 Oct-2012 Oct-2011 Oct-2010 Oct-2009 То То То То То То QTR **FYTD** 1 YR 2 YR 3 YR 4 YR 5 YR Sep-2015 Sep-2014 Sep-2013 Sep-2012 Sep-2011 Sep-2010 ● WCM International (WCMIX) -6.12 (7) N/A N/A N/A N/A WCM International (WCMIX) N/A N/A N/A N/A N/A N/A N/A N/A MSCI AC World ex USA 12.10 (86) 11.78 (98) 11.78 (98) -3.65 (81) 2.27 (94) MSCI AC World ex USA 11.78 (98) 5.22 (34) 16.98 (66) 15.04 (75) 10.42 (44) 8.00 (43) 2.78 (92) 5.72 (92) Median -9.99 -6.03 -6.03 -1.41 4.86 7.88 3.86 Median -6.03 3.95 18.74 17.69 10.81 7.25 **Comparative Performance** 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr Ending Ending **Ending Ending** Ending Ending Jun-2015 Mar-2015 Dec-2014 Sep-2014 Jun-2014 Mar-2014 WCM International (WCMIX) 0.98 (47) N/A N/A N/A N/A N/A MSCI AC World ex USA 0.72 (62)3.59 (76)-3.81 (88)-5.19 (74) 5.25 (14)0.61 (27) IM International Large Cap Growth Equity (MF) Median 0.92 5.46 -0.64 -1.91 -4.683.37



### Peer Group Analysis - IM U.S. Intermediate Duration (SA+CF) 6.08 17.00 5.30 14.00 4.52 11.00 3.74 8.00 0 0 0 2.96 0 0 Return Return 5.00 0 0 2.18 0 2.00 1.40 0 0.62 -1.00 -0.16 -4.00 -0.94 -7.00 Oct-Oct-Oct-Oct-Oct-Oct--1.72 2014 2013 2012 2011 2010 2009 To То To То То To Sep-Sep-Sep-Sep-Sep-Sep-QTR **FYTD** 1 YR 2 YR 3 YR 4 YR 5 YR 2013 2012 2011 2010 2015 2014 Schroders Core Fixed Income 1.36 (4) 3.50 (8) 3.50 (8) 3.48 (14) 2.32 (18) 3.14 (25) 3.15 (29) Schroders Core Fixed Income 3.50 (8) 3.46 (29) 0.04 (32) 5.63 (49) 3.20 (71) 8.34 (47) Schroders Core Fixed Income Policy 1.08 (30) 2.95 (28) 2.95 (28) 2.84 (41) 1.64 (57) 2.31 (75) 2.69 (61) Schroders Core Fixed Income Policy 2.95 (28) 2.74 (59) 0.71 (78) 4.31 (84) 4.22 (23) 7.52 (77) Median 0.93 2.65 2.65 2.70 1.70 2.69 2.85 Median 2.65 2.88 0.26 8.27 5.59 3.60 **Comparative Performance** 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr



**Ending** 

Mar-2014

1.70 (16)

(52)

1.20

1.22

**Ending** 

Dec-2014

(18)

1.31 (8)

1.20

0.93

**Ending** 

Sep-2014

0.23 (14)

(39)

0.03

0.01

**Ending** 

Jun-2014

(28)

1.50 (39)

1.62

1.40

Ending

Mar-2015

1.64 (21)

1.32 (79)

1.47

**Ending** 

Jun-2015

(62)

-0.84 (86)

-0.67

-0.61

Schroders Core Fixed Income

Schroders Core Fixed Income Policy

IM U.S. Intermediate Duration (SA+CF) Median

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

Schroders Core Fixed Income Policy (%)

7.5

X Latest Date

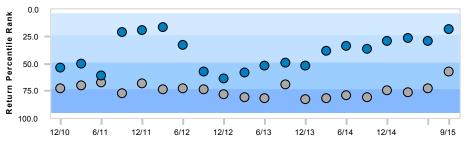
10.0

12.5

5.0

Earliest Date

### 3 Yr Rolling Percentile Ranking - 5 Years



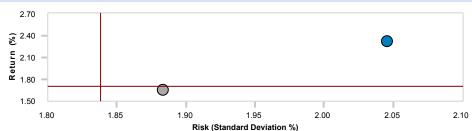
	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count	
<ul> <li>Schroders Core Fixed Income</li> </ul>	20	4 (20%)	9 (45%)	7 (35%)	0 (0%)	
<ul> <li>Schroders Core Fixed Income Policy</li> </ul>	20	0 (0%)	0 (0%)	11 (55%)	9 (45%)	

### Peer Group Scattergram - 3 Years

Over Performance

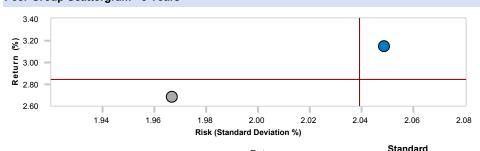
0.0

2.5



	Return	Standard Deviation
<ul> <li>Schroders Core Fixed Income</li> </ul>	2.32	2.05
<ul> <li>Schroders Core Fixed Income Policy</li> </ul>	1.64	1.88
Median	1.70	1.84

### Peer Group Scattergram - 5 Years



	Return	Deviation
<ul> <li>Schroders Core Fixed Income</li> </ul>	3.15	2.05
<ul> <li>Schroders Core Fixed Income Policy</li> </ul>	2.69	1.97
Median	2.85	2.04

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

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Schroders Core Fixed Income	0.52	117.94	100.46	0.47	1.28	0.96	1.12	1.33
Schroders Core Fixed Income Policy	0.00	100.00	100.00	0.00	N/A	0.77	1.00	1.24

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

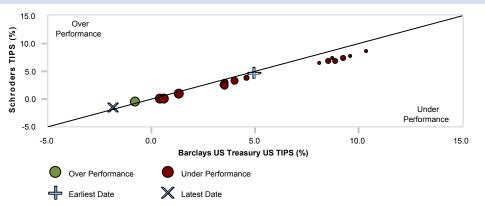
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Schroders Core Fixed Income	0.62	114.48	110.23	0.26	0.73	1.35	1.07	1.17
Schroders Core Fixed Income Policy	0.00	100.00	100.00	0.00	N/A	1.28	1.00	1.08



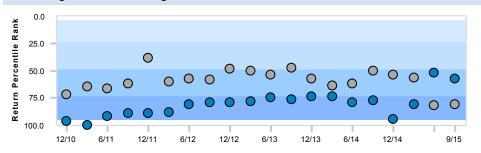
### Peer Group Analysis - IM U.S. TIPS (SA+CF) 4.40 17.00 3.53 14.00 2.66 11.00 0 0 1.79 8.00 0.92 5.00 0 0 Return Return 0.05 2.00 0 0 -0.82 00 00 -1.00 -1.69 -4.00 0 -2.56 -7.00 -3.43 -10.00 -4.30 -13.00 Oct-2014 Oct-2013 Oct-2012 Oct-2011 Oct-2010 Oct-2009 То To To QTR **FYTD** 1 YR 2 YR 3 YR 4 YR 5 YR Sep-2015 Sep-2014 Sep-2013 Sep-2012 Sep-2011 Sep-2010 Schroders TIPS -0.89 (27) -0.85 (69) -0.85 (69) -0.04 (69) -1.54 (57) 0.52 (83) 1.91 (72) Schroders TIPS -0.85 (69) 0.77 (73) -4.47 (31) 6.96 (79) 7.69 (75) 7.59 (90) Barclays US Treasury US TIPS -1.15 (64) -0.83 (60) -0.83 (60) 0.37 (47) -1.83 (81) 0.79 (48) 2.55 (46) Barclays US Treasury US TIPS -0.83 (60) 1.59 (41) 6.10 (70) 9.10 (44) 9.87 (33) 8.89 (77) Median -1.10 -0.79 -0.79 0.35 0.79 2.54 Median -0.79 9.02 9.56 9.36 -1.51 1.54 -5.73**Comparative Performance** 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr Ending **Ending** Ending Ending **Ending** Ending Jun-2015 Mar-2015 Dec-2014 Sep-2014 Jun-2014 Mar-2014 Schroders TIPS -0.23 (22) 1.41 (60) -1.12 (93) -1.91 (13) 2.96 (80) 0.99 (94) Barclays US Treasury US TIPS -1.06 (49) 1.42 (58)-0.03 (31) -2.04 (58)3.81 (36)1.95 (50)IM U.S. TIPS (SA+CF) Median 1.46 3.75 1.94 -1.07 -0.15 -2.03



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

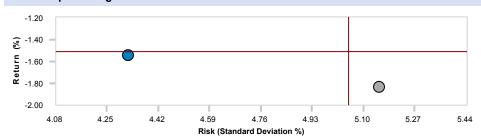


### 3 Yr Rolling Percentile Ranking - 5 Years



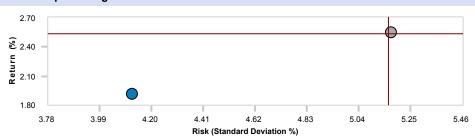
	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count	
<ul><li>Schroders TIPS</li></ul>	20	0 (0%)	0 (0%)	5 (25%)	15 (75%)	
<ul> <li>Barclays US Treasury US TIPS</li> </ul>	20	0 (0%)	5 (25%)	13 (65%)	2 (10%)	

### Peer Group Scattergram - 3 Years



	Return	Standard Deviation
<ul><li>Schroders TIPS</li></ul>	-1.54	4.32
<ul> <li>Barclays US Treasury US TIPS</li> </ul>	-1.83	5.15
Median	-1.51	5.05

### Peer Group Scattergram - 5 Years



	Return	Standard Deviation
<ul><li>Schroders TIPS</li></ul>	1.91	4.12
<ul> <li>Barclays US Treasury US TIPS</li> </ul>	2.55	5.17
Median	2.54	5.16

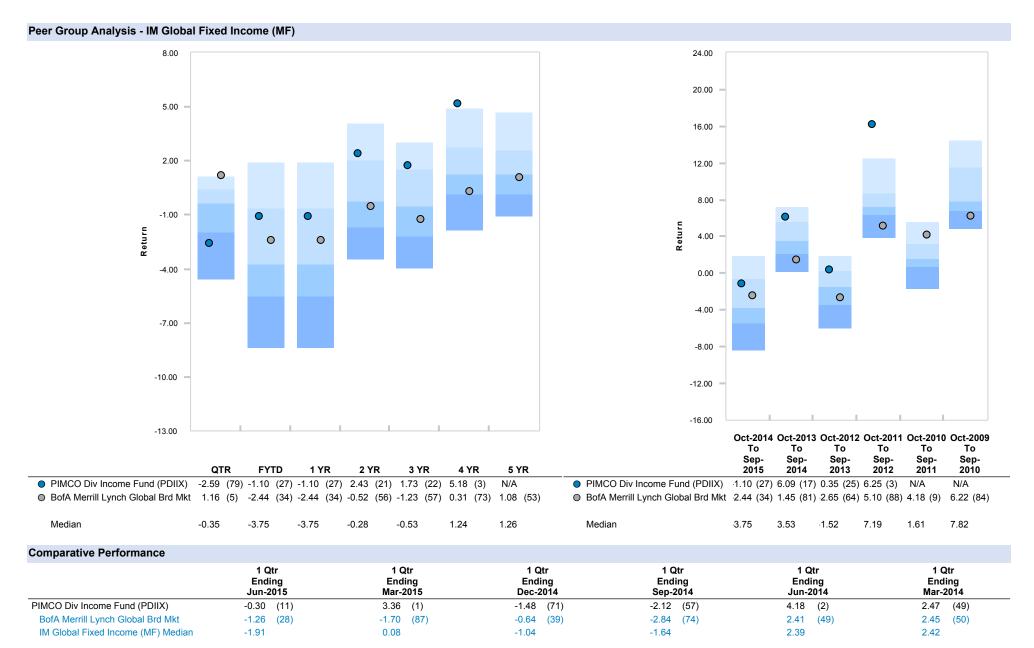
### **Historical Statistics - 3 Years**

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Schroders TIPS	1.64	68.48	72.56	-0.21	0.15	-0.40	0.74	3.12
Barclays US Treasury US TIPS	0.00	100.00	100.00	0.00	N/A	-0.35	1.00	4.09

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

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Schroders TIPS	1.89	69.75	67.69	0.13	-0.36	0.51	0.69	2.50
Barclays US Treasury US TIPS	0.00	100.00	100.00	0.00	N/A	0.50	1.00	3.38

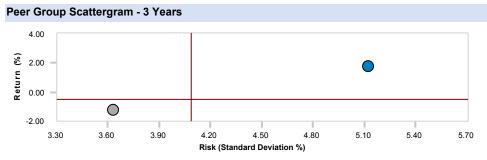






### 3 Yr Rolling Under/Over Performance - 5 Years 1CO Div Income Fund (PDIIX) 3.0 3.0 3.0 Over Performance $\mathbb{X}$ Under Performance 0.0 3.0 6.0 9.0 -3.0 BofA Merrill Lynch Global Brd Mkt (%) Earliest Date X Latest Date Over Performance

### 3 Yr Rolling Percentile Ranking - 5 Years Return Percentile Rank 25.0 50.0 00000 0 0 75.0 100.0 6/12 12/12 6/13 12/13 6/14 12/14 9/15 12/10 6/11 12/11 5-25 25-Median Median-75 75-95 **Total Period** Count Count Count Count PIMCO Div Income Fund (PDIIX) 7 7 (100% 0 (0%) 0 (0%) 0 (0%) BofA Merrill Lynch Global Brd Mkt 20 0 (0%) 2 (10%) 15 (75%) 3 (15%)



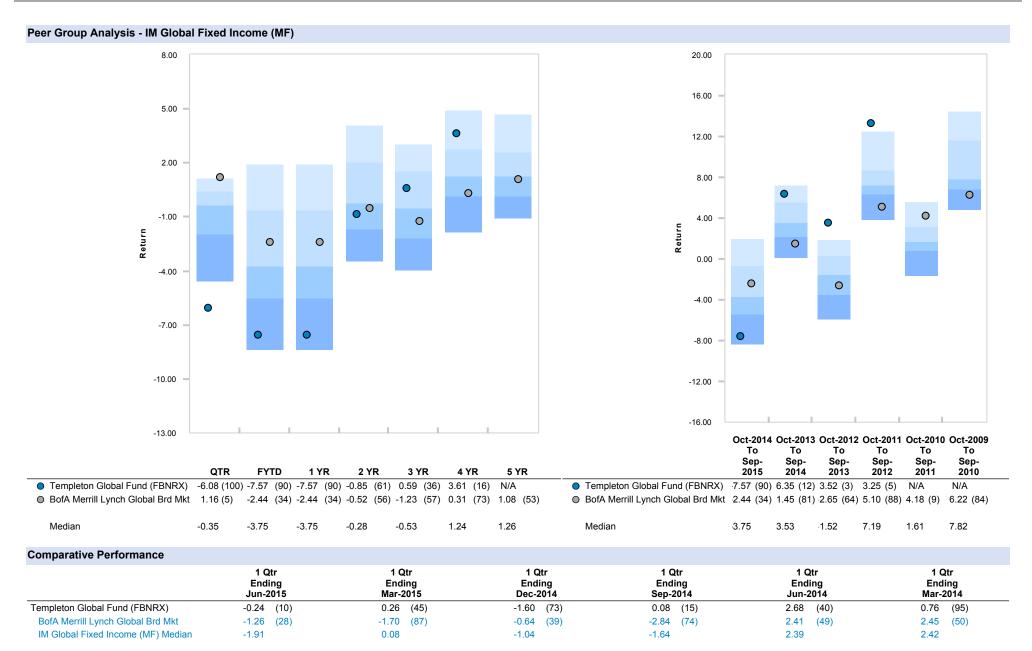
ttergram - 5 `	Years				
0					
	1	I	1		
4.20				5.00	5.20
	ttergram - 5 \		4.20 4.40 4.60	0	4.20 4.40 4.60 4.80 5.00

	Return	Standard Deviation
PIMCO Div Income Fund (PDIIX)	1.73	5.12
<ul> <li>BofA Merrill Lynch Global Brd Mkt</li> </ul>	-1.23	3.63
Median	-0.53	4.09

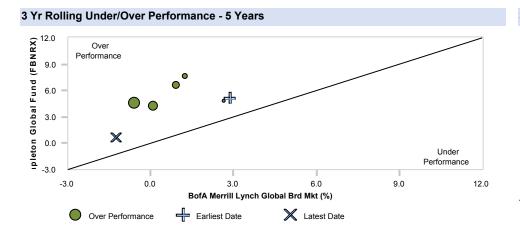
	Return	Standard Deviation
<ul> <li>PIMCO Div Income Fund (PDIIX)</li> </ul>	N/A	N/A
<ul> <li>BofA Merrill Lynch Global Brd Mkt</li> </ul>	1.08	4.19
Median	1.26	4.93

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)	3.98	116.16	58.22	2.94	0.76	0.35	0.90	3.82
BofA Merrill Lynch Global Brd Mkt	0.00	100.00	100.00	0.00	N/A	-0.34	1.00	2.90
Historical Statistics - 5 Years								
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
PIMCO Div Income Fund (PDIIX)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
BofA Merrill Lynch Global Brd Mkt	0.00	100.00	100.00	0.00	N/A	0.26	1.00	3.04

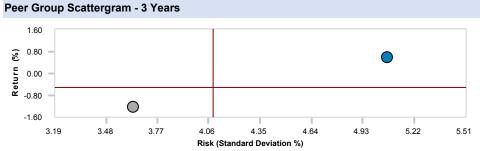




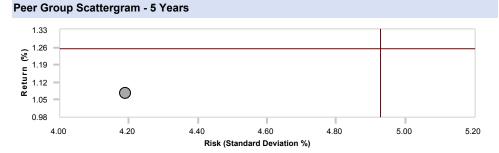




### 3 Yr Rolling Percentile Ranking - 5 Years Return Percentile Rank 25.0 50.0 00000 0 0000 0 75.0 100.0 12/12 6/14 12/14 9/15 12/10 6/11 12/11 6/12 6/13 12/13 5-25 25-Median Median-75 75-95 **Total Period** Count Count Count Count Templeton Global Fund (FBNRX) 7 5 (71%) 2 (29%) 0 (0%) 0 (0%) BofA Merrill Lynch Global Brd Mkt 20 0 (0%) 2 (10%) 15 (75%) 3 (15%)



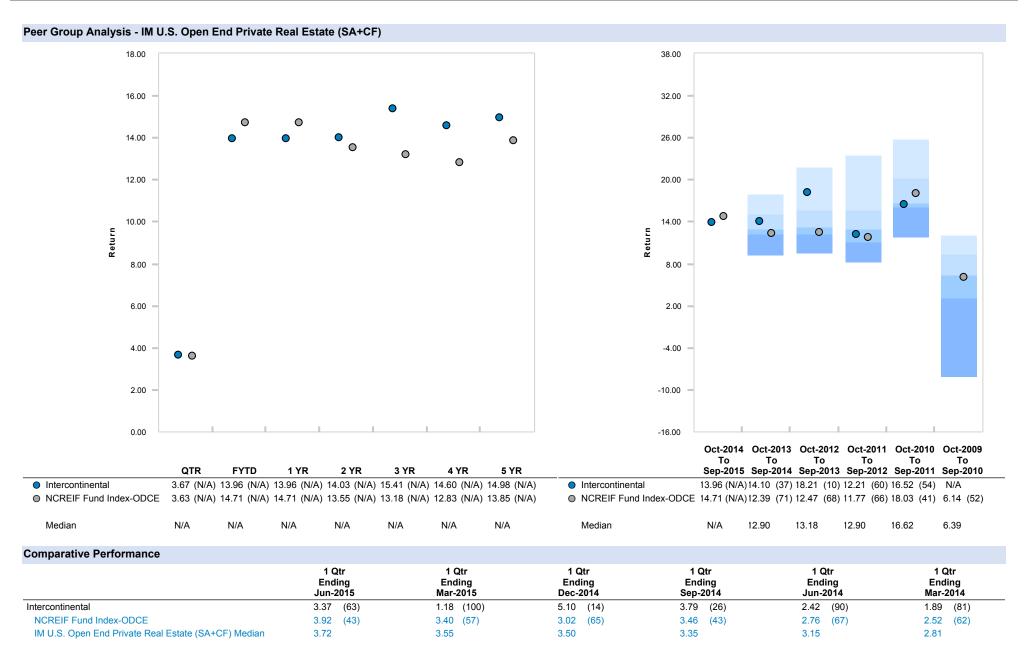
	Risk (Standard Deviation %)	
	Return	Standard Deviation
<ul> <li>Templeton Global Fund (FBNRX)</li> </ul>	0.59	5.07
<ul> <li>BofA Merrill Lynch Global Brd Mkt</li> </ul>	-1.23	3.63
Median	-0.53	4 09



	Return	Standard Deviation
<ul> <li>Templeton Global Fund (FBNRX)</li> </ul>	N/A	N/A
<ul> <li>BofA Merrill Lynch Global Brd Mkt</li> </ul>	1.08	4.19
Median	1.26	4.93

Historical Statistics - 3 Years								
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Templeton Global Fund (FBNRX)	5.03	44.03	21.86	1.33	0.38	0.13	0.52	3.76
BofA Merrill Lynch Global Brd Mkt	0.00	100.00	100.00	0.00	N/A	-0.34	1.00	2.90
Historical Statistics - 5 Years								
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Templeton Global Fund (FBNRX)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
BofA Merrill Lynch Global Brd Mkt	0.00	100.00	100.00	0.00	N/A	0.26	1.00	3.04







9/15

12/14

6/14

### 3 Yr Rolling Under/Over Performance - 5 Years 18.0 10.0 lutercontinental (%) Over Performance Under Performance 10.0 12.0 10.0 14.0 16.0 18.0 NCREIF Fund Index-ODCE (%) Over Performance Under Performance

### 3 Yr Rolling Percentile Ranking - 5 Years

	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
<ul><li>Intercontinental</li></ul>	10	0 (0%)	8 (80%)	0 (0%)	2 (20%)
<ul> <li>NCREIF Fund Index-ODCE</li> </ul>	19	0 (0%)	3 (16%)	15 (79%)	1 (5%)

6/13

12/13

12/12

6/12

12/11

## Peer Group Scattergram - 3 Years 16.38 15.60 14.82 14.04 13.26 12.48 0.40 0.80 1.20 1.60 2.00 2.40 2.80 3.20 Risk (Standard Deviation %)

X Latest Date

Earliest Date

-	_							
15.20								
<b>2</b> 14.80 –								
14.80 — 14.40 — 14.00 —								
14.00	0							
13.60								
1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00

Risk (Standard Deviation %)

	Return	Standard Deviation		Return	Standard Deviation
<ul><li>Intercontinental</li></ul>	15.41	2.84	<ul><li>Intercontinental</li></ul>	14.98	2.51
<ul> <li>NCREIF Fund Index-ODCE</li> </ul>	13.18	0.98	<ul> <li>NCREIF Fund Index-ODCE</li> </ul>	13.85	1.32
Median	N/A	N/A	Median	N/A	N/A

100.0

12/10

6/11

Peer Group Scattergram - 5 Years

Historical Otatistics 2 Vac	-							
Historical Statistics - 3 Year	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Intercontinental	3.19	116.24	N/A	0.63	0.64	2.21	1.11	0.00
NCREIF Fund Index-ODCE	0.00	100.00	N/A	0.00	N/A	2.40	1.00	0.00
Historical Statistics - 5 Year	's							
	Tracking	Up Market	Down Market	Alpha	Information	Sharpe Patio	Beta	Downside Pick

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Intercontinental	2.68	107.90	N/A	0.59	0.39	2.24	1.03	0.00
NCREIF Fund Index-ODCE	0.00	100.00	N/A	0.00	N/A	2.37	1.00	0.00



### Peer Group Analysis - IM U.S. Open End Private Real Estate (SA+CF) 18.00 38.00 16.00 32.00 14.00 26.00 0 0 12.00 20.00 0 10.00 14.00 Return 0 0 8.00 8.00 0 6.00 2.00 4.00 -4.00 -10.00 2.00 0.00 -16.00 Oct-2014 Oct-2013 Oct-2012 Oct-2011 Oct-2010 Oct-2009 То То То To То QTR **FYTD** 1 YR 2 YR 3 YR 4 YR 5 YR Sep-2015 Sep-2014 Sep-2013 Sep-2012 Sep-2011 Sep-2010 ASB RE 2.68 (N/A) 15.01 (N/A) 15.01 (N/A) 13.93 (N/A) 13.68 (N/A) N/A ASB RE 15.01 (N/A)12.85 (51) 13.20 (50) N/A N/A N/A NCREIF Fund Index-ODCE 3.63 (N/A) 14.71 (N/A) 14.71 (N/A) 13.55 (N/A) 13.18 (N/A) 12.83 (N/A) 13.85 (N/A) NCREIF Fund Index-ODCE 14.71 (N/A)12.39 (71) 12.47 (68) 11.77 (66) 18.03 (41) 6.14 (52) Median N/A N/A N/A N/A N/A N/A N/A Median N/A 12.90 13.18 12.90 16.62 6.39 **Comparative Performance** 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr **Ending Ending** Ending Ending **Ending** Ending Mar-2015 Dec-2014 Sep-2014 Jun-2014 Mar-2014 Jun-2015 ASB RE 5.19 (17) 2.77 (87) 3.62 (48) 3.84 (24) 2.65 (77) 2.74 (55) NCREIF Fund Index-ODCE 3.92 3.40 (57)(65)3.46 (43)2.76 (67)2.52 (62) (43)3.02 IM U.S. Open End Private Real Estate (SA+CF) Median 3.55 3.15 3.72 3.50 3.35 2.81



### **Fund Information**

Final Close:

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%

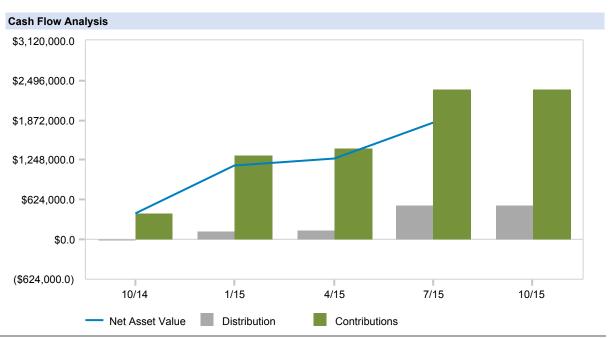
Inception: 09/05/2014 General Partner: CDL Levered General Partner, Ltd.

9/5/2015 expected Number of Funds:

Investment 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.

Cash Flow Summary	
Capital Committed:	\$4,000,000
Capital Invested:	\$2,351,684
Management Fees:	-
Expenses:	\$65,620
Interest:	-
Total Contributions:	\$2,351,684
Remaining Capital Commitment:	\$2,182,169
Total Distributions:	\$537,255
Market Value:	\$1,833,570
Inception Date:	10/01/2014
Inception IRR:	1.6
TVPI:	1.0





### **Fund Information**

**Cash Flow Summary** 

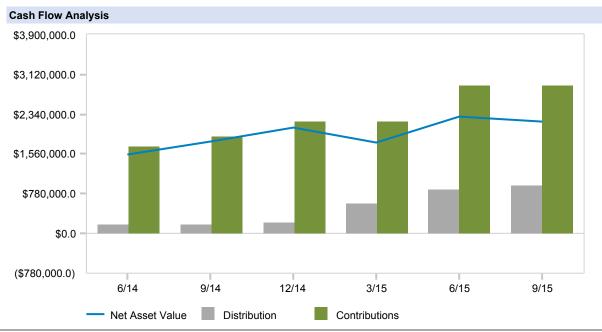
Type of Fund:OtherVintage Year:2014Strategy Type:OtherManagement Fee:1.50%Size of Fund:839,030,000Preferred Return:8.00%

Inception: 10/01/2014 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 lien, junior secured, and mezzanine debt; and equity co-investments to companies with EBITDA generally.

### **Capital Committed:** \$4,000,000 Capital Invested: \$2,800,000 **Management Fees:** \$177,473 Expenses: \$148,646 Interest: \$100,219 **Total Contributions:** \$2,900,219 Remaining Capital Commitment: \$1,355,346 **Total Distributions:** \$940.670 Market Value: \$2,200,232 **Inception Date:** 06/23/2014 Inception IRR: 10.8 TVPI: 1.1





Total Fund Policy		Total Fixed Income Policy	
Allocation Mandate	Weight (%)	Allocation Mandate	Weight (%)
Jan-1979		Jan-1973	
S&P 500 Index	65.00	Barclays Intermediate U.S. Gov/Credit Index	100.00
3 Year U.S. Treasury Note	30.00		
Citigroup 3 Month T-Bill Index	5.00	Jul-2007	
		Barclays Intermediate Aggregate Index	100.00
Jul-2007		, 35 5	
Citigroup 3 Month T-Bill Index	5.00	Oct-2007	
Barclays Intermediate Aggregate Index	35.00	Barclays Intermediate U.S. Gov/Credit Index	87.50
MSCI EAFE Index	10.00	Barclays U.S. Treasury: U.S. TIPS Index	12.50
Russell 3000 Index	50.00		
0-4-2007		Jun-2009	
Oct-2007	20.00	Barclays Intermediate Aggregate Index	83.33
Russell 3000 Value Index	20.00	Barclays U.S. TIPS 1-10 Year	16.67
Russell 1000 Growth Index	20.00	Danslays Grot till G T To Tour	
S&P 500 Index	10.00	Feb-2010	
Barclays Intermediate Aggregate Index	35.00	Barclays Intermediate Aggregate Index	83.33
Barclays U.S. Treasury: U.S. TIPS Index MSCI EAFE Index	5.00 10.00	Barclays U.S. Treasury: U.S. TIPS Index	16.67
WISCI EAFE IIIdex	10.00	Baidays G.G. Treasury. G.G. Til G mack	10.07
Jun-2009			
Russell 3000 Index	50.00		
Barclays Intermediate Aggregate Index	25.00		
Barclays 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		
, ,		STW Fixed Income Policy	
Feb-2010		Allocation Mandate	Weight (%)
Russell 3000 Index	45.00	Jan-1973	
Barclays Intermediate Aggregate Index	25.00	Barclays U.S. Gov't/Credit	100.00
Barclays U.S. TIPS 1-10 Year	5.00	Bailotayo o.o. Gov troitait	100.00
MSCI AC World ex USA	15.00	Jun-2007	
NCREIF Fund Index-Open End Diversified Core (EW)	10.00	Barclays Intermediate Aggregate Index	100.00
		bardays intermediate Aggregate index	100.00
Mar-2010			
Russell 3000 Index	45.00		
Barclays Intermediate Aggregate Index	25.00		
Barclays U.S. Treasury: U.S. TIPS Index	5.00		
MSCI AC World ex USA	15.00		
NCREIF Fund Index-Open End Diversified Core (EW)	10.00		



Total Equity Policy		
Allocation Mandate	Weight (%)	
Jan-1926		
S&P 500 Index	100.00	
Jul-2007		
Russell 3000 Index	85.00	
MSCI EAFE Index	15.00	
Oct-2007		
MSCI EAFE Index	15.00	
S&P 500 Index	15.00	
Russell 3000 Value Index	35.00	
Russell 1000 Growth Index	35.00	
Jun-2009		
Russell 3000 Index	83.33	
MSCI EAFE Index	16.67	
Feb-2010		
Russell 3000 Index	75.00	
MSCI AC World ex USA	25.00	

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	

Total International Equity Policy							
Allocation Mandate	Weight (%)						
Jan-1970							
MSCI EAFE Index	100.00						
- 1 - 0.40							
Feb-2010							
MSCI AC World ex USA	100.00						



### Boynton Beach FF

Total Fund Compliance:	Yes	No	N/A
1. The Total Plan return equaled or exceeded the 7.8% 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.	✓		

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.	✓		
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.	✓		

Manager Compliance:		Anchor ACV		VG Mid-Cap			VG 500 Index			DSM LCG			WCMIX		
		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.		✓				✓			✓	✓					✓
3. Less than four consecutive quarters of under-performance relative to the benchmark.	✓					✓			✓	✓					<b>✓</b>
4. Three and five year down market capture ratio less than 100%.	✓					✓			✓		✓				✓
5. Manager reports compliance with PFIA.	✓					✓			✓	✓					✓

Manager Compliance:		STW Core FI		STW TIPS			PIMCO*			Templeton*			F	X	
		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.	✓			✓			✓			✓					✓
3. Less than four consecutive quarters of under-performance relative to the benchmark.	✓			✓			✓			✓					✓
4. Three and five year down market capture ratio less than 100%.		✓		✓					✓			✓			✓
5. Manager reports compliance with PFIA.	✓			✓					✓			✓			✓



<sup>\*</sup>Data available for three year period only due to inception date.

Manager Compliance:		ASB RE			Intercontinental			LBC	Crescent						
manager compilation.	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.			✓	✓					✓			✓			
3. Less than four consecutive quarters of under-performance relative to the benchmark.			✓	✓					✓			✓			
4. Three and five year down market capture ratio less than 100%.			✓			✓			✓			✓			
5. Manager reports compliance with PFIA.			✓			✓			✓			✓			



<sup>\*</sup>Data available for three year period only due to inception date.

### Boynton Beach Firefighters' Retirement System Fee Analysis

As of September 30, 2015

	Estimated Annual Fee (%)	Market Value (\$)	Estimated Annual Fee (\$)	Fee Schedule
Vanguard 500 Index Signal (VFIAX)	0.05	8,884,240	4,442	0.05 % of Assets
DSM Large Cap Growth	0.87	10,130,456	88,478	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	0.58	9,459,423	54,797	0.75 % of First \$3 M 0.50 % Thereafter
Vanguard Mid-Cap Index Fund (VMCIX)	0.08	12,801,440	10,241	0.08 % of Assets
Total Domestic Equity	0.38	41,275,560	157,959	
WCM International Growth Fund (WCMIX)	1.04	5,349,109	55,631	1.04 % of Assets
American Funds EuroPacific Gr R6 (RERGX)	0.49	5,140,209	25,187	0.49 % of Assets
Total International Equity	0.77	10,489,319	80,818	
Schroders Core Fixed Income	0.38	7,526,517	28,224	0.38 % of Assets
Schroders TIPS	0.00	1,147,956	, -	0.00 % of Assets
Total Domestic Fixed Income	0.33	8,674,473	28,224	
PIMCO Diversified Income Fund (PDIIX)	0.75	3,847,282	28,855	0.75 % of Assets
Templeton Global Bond Fund (FBNRX)	0.51	3,525,422	17,980	0.51 % of Assets
Total Global Fixed Income	0.64	7,372,704	46,834	
BC Credit Partners III	1.75	2,200,232	38,504	1.75 % of Assets
Crescent Direct Lending Levered Fund	1.35	1,833,570	24,753	1.35 % of Assets
Total Non-Core Fixed Income	1.57	4,033,802	63,257	
ASB RE	1.25	2,841,845	35,523	1.25 % of Assets
ntercontinental	1.10	5,039,408	55,433	1.10 % of Assets
Total Real Estate	1.15	7,881,253	90,957	
Mutual Fund Cash		15,200	-	
Receipt & Disbursement		580,057	-	
Total Cash Composite		595,257	-	
Total Fund	0.58	80,322,367	468,049	
		, ,	,	



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



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) Oken	May Car

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Service Team Group Email:	ServiceTeam003@bogdahngroup.com	



### **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.

### **Down Market Capture**

- The ratio of average portfolio performance over the designated benchmark during periods of negative returns. A lower value indicates better product performance

### **Downside Risk**

- A measure similar to standard deviation that utilizes only the negative movements of the return series. It is calculated by taking the standard deviation of the negative quarterly set of returns. A higher factor is indicative of a riskier product.

### **Excess Return**

- Arithmetic difference between the manager's performance and the risk-free return over a specified time period.

### **Excess Risk**

- A measure of the standard deviation of a portfolio's performance relative to the risk free return.

### Information Ratio

- This calculates the value-added contribution of the manager and is derived by dividing the active rate of return of the portfolio by the tracking error. The higher the Information Ratio, the more the manager has added value to the portfolio.

### R-Squared

- The percentage of a portfolio's performance that can be explained by the behavior of the appropriate benchmark. A high R-Squared means the portfolio's performance has historically moved in the same direction as the appropriate benchmark.

### Return

- Compounded rate of return for the period.

### **Sharpe Ratio**

- Represents the excess rate of return over the risk free return divided by the standard deviation of the excess return. The result is an absolute rate of return per unit of risk. A higher value demonstrates better historical risk-adjusted performance.

### Standard Deviation

- A statistical measure of the range of a portfolio's performance. It represents the variability of returns around the average return over a specified time period.

### **Tracking Error**

- This is a measure of the standard deviation of a portfolio's returns in relation to the performance of its designated market benchmark.

### **Treynor Ratio**

- Similar to Sharpe ratio but utilizes beta rather than excess risk as determined by standard deviation. It is calculated by taking the excess rate of return above the risk free rate divided by beta to derive the absolute rate of return per unit of risk. A higher value indicates a product has achieved better historical risk-adjusted performance.

### **Up Market Capture**

- The ratio of average portfolio performance over the designated benchmark during periods of positive returns. A higher value indicates better product performance.

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

The Bogdahn Group uses time-weighted calculations which are founded on standards recommended by the CFA Institute. The calculations and values shown are based on information that is received from custodians. The Bogdahn Group analyzes transactions as indicated on the custodian statements and reviews the custodial market values of the portfolio. As a result, this provides The Bogdahn Group with a reasonable basis that the investment information presented is free from material misstatement. This methodology of evaluating and measuring performance provides The Bogdahn Group with a practical foundation for our observations and recommendations. Nothing came to our attention that would cause The Bogdahn Group to believe that the information presented is significantly misstated.

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