# City of Venice Municipal Police Officers' Pension Trust Fund

Investment Performance Review December 31, 2015

Preliminary

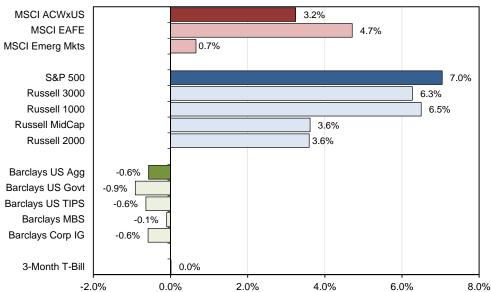


4th Quarter 2015 Market Environment

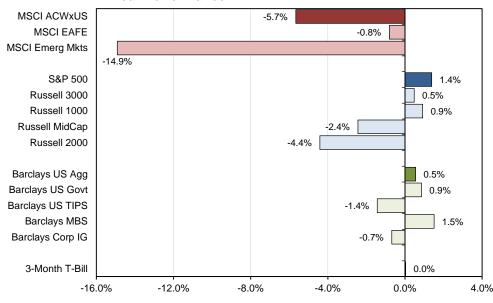


- The 4th quarter of 2015 saw broad equity markets recover some of the losses experienced during the previous quarter. The majority of the 4th quarter's returns were generated during the month of October as markets reacted positively to news that several major central banks, notably Europe and China, would inject additional stimulus into their economies. However, returns in November began to lose momentum, and December's monthly returns were broadly negative as investors weighed the reality of a weaker-than-expected policy response from the European Central Bank (ECB) and ongoing weakness in energy and commodity prices. Although largely telegraphed, December saw the U.S. Federal Reserve (the Fed) raise the Federal Funds Rate by 25 basis points (bps) following positive news regarding employment, housing, and consumer confidence. While the rate increase was small and expected, it did signal the Fed's belief in the sustainability of U.S. economic growth. This increase also begins the process of "rate normalization" after seven years of the Fed's "zero interest rate policy" and foreshadows the prospect of additional rate increases in 2016.
- Led by large capitalization issues, domestic equity market indices all posted positive results for the 4<sup>th</sup> quarter. For the calendar year, domestic large cap stock indices posted small, but positive gains, while domestic small- and mid-capitalization indices posted slightly negative results. In U.S. dollar (USD) terms, non-U.S. equity indices posted gains in the 4<sup>th</sup> quarter with broad developed market proxies continuing to outpace riskier emerging market composite indices. On a one-year basis, emerging market equity returns struggled mightily relative to their developed market counterparts due to ongoing concerns over the prospect of stagnant global economic growth. While international market returns lagged their domestic market counterparts during 2015, a large portion of the disparity can be attributed to the significant appreciation of the USD throughout the year.
- U.S. fixed income indices tracked on the chart were all modestly negative for the 4<sup>th</sup> quarter. As expected, the Fed's decision to move short-term rates higher had a negative impact on bond returns during the quarter. In addition to the December interest rate increase, investor concerns over global deflationary pressures and low economic growth pushed Treasury Inflation Protected Securities (TIPS) and investment grade corporate bond returns into negative territory for the calendar year.





### 1-Year Performance

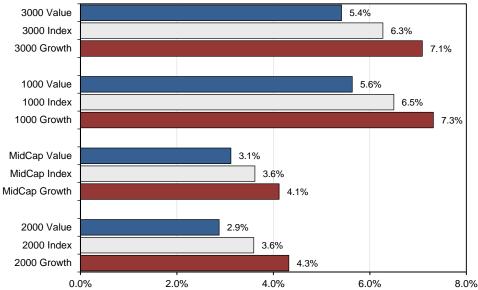




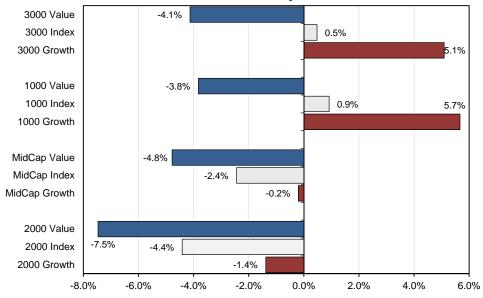
Source: Investment Metrics 2

- Domestic equity index performance was positive across the style and capitalization spectrum during the 4th quarter. Outside of macroeconomic and geopolitical factors that impacted all equity performance, there were two notable trends affecting domestic equity results during the 4th quarter of 2015. First, large cap indices outperformed their small cap counterparts. Second, growth stock index returns meaningfully outpaced their value index counterparts at all levels of the capitalization spectrum. The dominance of large cap index performance for the quarter was influenced by their perceived safety and stability of their earnings growth. The dominance of growth indices for the quarter is largely attributable to the indices' lower weight to cyclical sectors heavily exposed to ongoing weakness in commodity prices and capital spending.
- Performance for the 4<sup>th</sup> quarter echoed throughout calendar year 2015 as both large cap and growth indices proved to be the best performers over the trailing one-year period. In fact, only growth and core large cap issues managed positive returns for the year. All value benchmarks, as well as small- and mid-cap core and growth indices, posted negative results for the year.
- From a valuation perspective, current Price/Earnings ratios (P/E) for value indices appear stretched relative to their long-term (20-year) averages. The mid-cap value index appears most expensive at 111% of its long-term average. Despite strong performance in 2015, current P/E valuations for the growth indices fall between 85% and 90% of their historical long-term averages.





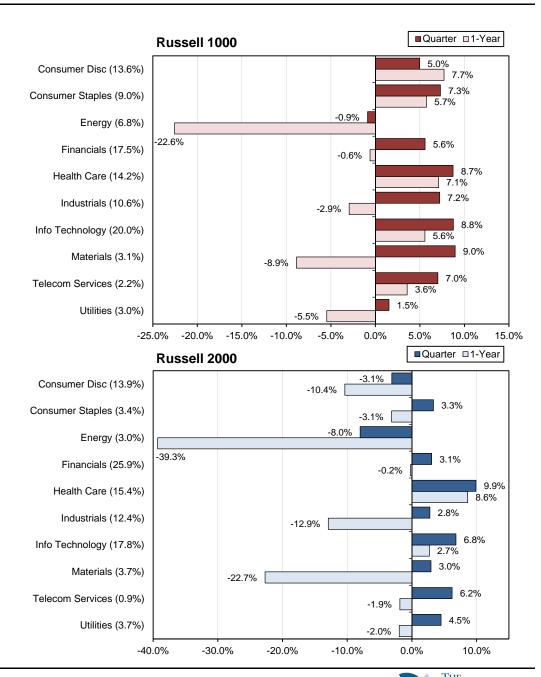
### 1-Year Performance - Russell Style Series





Source: Investment Metrics 3

- Large cap sector performance was broadly positive for the 4th quarter as every sector within the Russell 1000 Index, with the exception of energy, posted positive results. Sector strength was notably broad with eight of the ten GICS sectors posting returns of at least 5.0% for the quarter. The materials sector was the strongest performer for the quarter, returning 9.0%. Merger and acquisition activity between the sector's two largest constituents - Dow Chemical (DOW) and DuPont (DD) - provided a substantial boost to the sector's performance. Information technology and health care were also strong performers, posting returns of 8.8% and 8.7% respectively. Led by an ongoing slide in oil prices, which closed the year below \$40/barrel, energy was the only sector to post negative performance for the quarter. This energy weakness is further illustrated on the table below with nine of the ten worst performing stocks in the Russell 1000 coming from the sector. Over calendar year 2015. five of ten sectors in the large cap index had positive performance with the consumer discretionary (7.7%) and health care (7.1%) sectors posting the strongest results. On the negative side, commodity price driven sectors were the worst performers for the year with energy (-22.6%) and materials (-8.9%) suffering the brunt of the losses.
- Similar to large cap indices, small cap index performance was largely positive for the quarter with only the consumer discretionary (-3.1%) and energy (-8.0%) sectors posting negative returns. However, in contrast to the large cap benchmark's balanced one-year sector results, only two sectors, health care (8.6%) and information technology (2.7%), managed to post positive returns. Similar to the large cap index, the energy (-39.3) and materials (-22.7%) sectors posted the Russell 2000's weakest annual sector performance.
- Using the S&P 500 as a proxy, trailing P/E ratios for five GICS sectors were below their 20-year averages at quarter-end. The information technology and financials sectors were trading at the largest discount to their long-term average P/E ratios. In contrast, telecommunication services, utilities, and consumer discretionary sector valuations were the most extended relative to historical P/E ratios.





Source: Morningstar Direct 4

Top 10 Weighted Stocks									
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector					
Apple Inc	2.97%	-4.2%	-3.0%	Information Technology					
Microsoft Corp	2.20%	26.2%	22.7%	Information Technology					
Exxon Mobil Corporation	1.60%	5.8%	-12.8%	Energy					
General Electric Co	1.43%	24.4%	27.5%	Industrials					
Johnson & Johnson	1.40%	10.8%	1.2%	Health Care					
Amazon.com Inc	1.26%	32.0%	117.8%	Consumer Discretionary					
Wells Fargo & Co	1.24%	6.6%	1.8%	Financials					
Berkshire Hathaway Inc Class B	1.20%	1.3%	-12.1%	Financials					
JPMorgan Chase & Co	1.20%	9.1%	8.4%	Financials					
Facebook Inc Class A	1.11%	16.4%	34.1%	Information Technology					

	Top 10 Weighted Stocks									
Russell 2000	Weight	Weight 1-Qtr 1-Year Return Return		Sector						
STERIS PLC	0.38%	16.4%	17.8%	Health Care						
Tyler Technologies Inc	0.35%	16.8%	59.3%	Information Technology						
Dyax Corp	0.33%	97.1%	167.6%	Health Care						
CubeSmart	0.30%	13.3%	42.4%	Financials						
Manhattan Associates Inc	0.29%	6.2%	62.5%	Information Technology						
Neurocrine Biosciences Inc	0.29%	42.2%	153.2%	Health Care						
Casey's General Stores Inc	0.28%	17.3%	34.5%	Consumer Staples						
Vail Resorts Inc	0.28%	23.6%	43.7%	Consumer Discretionary						
Anacor Pharmaceuticals Inc	0.28%	-4.0%	250.3%	Health Care						
Piedmont Natural Gas Co	0.27%	43.1%	49.4%	Utilities						

Top 1	0 Performin	g Stocks (b	y Quarter)	
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector
Keurig Green Mountain Inc	0.06%	72.6%	-31.1%	Consumer Staples
Advanced Micro Devices Inc	0.00%	66.9%	7.5%	Information Technology
Rayonier Advanced Materials Inc	0.00%	61.1%	-54.9%	Materials
Rovi Corp	0.00%	58.8%	-26.3%	Information Technology
Airgas Inc	0.05%	55.5%	22.7%	Materials
First Solar Inc	0.02%	54.4%	48.0%	Information Technology
Ionis Pharmaceuticals Inc	0.04%	53.2%	0.3%	Health Care
SolarWinds Inc	0.02%	50.1%	18.2%	Information Technology
SunPower Corp	0.01%	49.8%	16.2%	Information Technology
Bruker Corp	0.01%	47.7%	23.7%	Health Care

Top 10 Performing Stocks (by Quarter)										
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector						
Pacific Biosciences of California Inc	0.05%	258.7%	67.5%	Health Care						
Weight Watchers International Inc	0.04%	257.4%	-8.2%	Consumer Discretionary						
Energy Recovery Inc	0.00%	230.4%	34.2%	Industrials						
Vital Therapies Inc	0.01%	185.1%	-53.8%	Health Care						
Five Prime Therapeutics Inc	0.06%	169.7%	53.7%	Health Care						
Five9 Inc	0.01%	135.1%	94.2%	Information Technology						
Resolute Energy Corp	0.00%	124.2%	-34.1%	Energy						
Ohr Pharmaceutical Inc	0.00%	122.5%	-26.4%	Health Care						
Willbros Group Inc	0.00%	113.5%	-57.1%	Energy						
Ocata Therapeutics Inc	0.02%	101.4%	38.3%	Health Care						

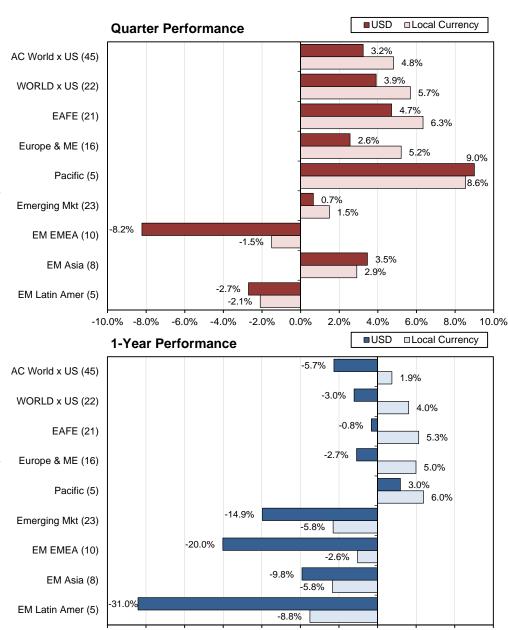
Bottom 10 Performing Stocks (by Quarter)									
Russell 1000	Weight	eight 1-Qtr 1-Yea Return Return		Sector					
Teekay Corp	0.00%	-66.2%	-79.8%	Energy					
Peabody Energy Corp	0.00%	-62.9%	-93.4%	Energy					
Ultra Petroleum Corp	0.00%	-60.9%	-81.0%	Energy					
Targa Resources Corp	0.01%	-46.6%	-73.4%	Energy					
Tidewater Inc	0.00%	-45.5%	-77.1%	Energy					
Kinder Morgan, Inc.	0.13%	-45.1%	-62.8%	Energy					
Southwestern Energy Co	0.01%	-44.0%	-73.9%	Energy					
GoPro Inc Class A	0.01%	-42.3%	-71.5%	Consumer Discretionary					
Golar LNG Ltd	0.01%	-41.9%	-54.0%	Energy					
Seadrill Ltd	0.01%	-40.7%	-70.1%	Energy					

Bottom 10 Performing Stocks (by Quarter)									
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector					
Magnum Hunter Resources Corporation	0.00%	-95.3%	-99.5%	Energy					
Miller Energy Resources Inc	0.00%	-95.1%	-99.7%	Energy					
American Eagle Energy Corp	0.00%	-90.7%	-99.8%	Energy					
Vantage Drilling Co	0.00%	-89.7%	-99.5%	Energy					
Threshold Pharmaceuticals Inc	0.00%	-88.2%	-84.9%	Health Care					
Hercules Offshore Inc	0.00%	-86.3%	-99.2%	Energy					
Walter Energy Inc	0.00%	-86.0%	-99.2%	Materials					
Repros Therapeutics Inc	0.00%	-83.7%	-87.9%	Health Care					
Corporate Resource Services Inc	0.00%	-83.3%	-99.9%	Industrials					
Noranda Aluminum Holding Corp	0.00%	-80.5%	-98.7%	Materials					

Source: Morningstar Direct 5



- The quarter started strong as investors anticipated additional economic stimulus announcements from the European Central Bank (ECB) and the People's Bank of China (PBoC). The latter occurred in October when the PBoC lowered the banking reserve requirement, cut interest rates, and removed a deposit cap that limited the rate of interest banks could pay savers. This stimulus package encouraged investors and initially drove markets higher. However, when the ECB announced only a minimum cut in its deposit rate and a six-month extension to its quantitative easing program on December 3<sup>rd</sup>, it was less than investors expected and global markets sold off through the remainder of the month. Despite a disappointing December, the majority of international equity index results were positive for the 4th quarter in both local and USD terms. Only the European (-8.2%) and Latin American (-2.7%) sub-segments of the emerging market index posted negative results in both local and USD terms for the guarter. Within broad market USD quarterly results, developed market (3.2%) returns easily outpaced emerging market (0.7%) performance.
- Developed markets, as measured by the MSCI EAFE Index, performed well during the quarter in both USD (4.7%) and local currency (6.3%) terms, but the index's two largest countries posted mixed results for the period. As the largest weight in the index, Japan's 9.3% return had a large positive impact on broad index return as the country benefited from continued quantitative easing and some improvement in corporate earnings. Unfortunately, the benchmark's second largest country, the UK, managed only a mild 0.7% for the period and struggled relative to other European markets due to its greater exposure to commodity sensitive industries. Finally, USD strength was once again a major theme across global market index returns during 2015. While the trailing one-year USD performance was unilaterally lower than local currency results, the disparity was particularly notable in developed market indices (outside of the Pacific index) where local currency returns were positive for the year but USD equivalent results were negative.
- Emerging markets, as measured by the MSCI Emerging Market Index, returned 0.7% in USD and 1.5% in local currency for the quarter. The index's positive performance was driven by regional results in the EM Asia index as both the EM EMEA and EM Latin America indices posted negative results for the period. Over the trailing one-year period, the broad emerging market index and each of its regional index components finished the year in negative territory measured in both USD and local currency terms.



-35.0% -30.0% -25.0% -20.0% -15.0% -10.0% -5.0%



10.0% 15.0%

0.0%

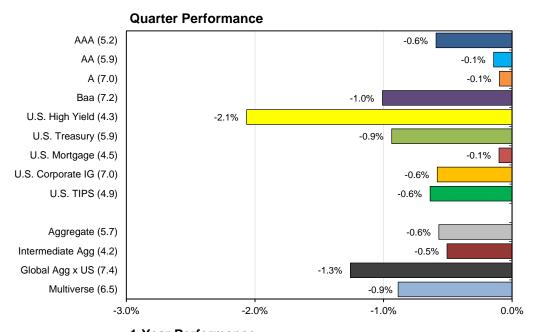
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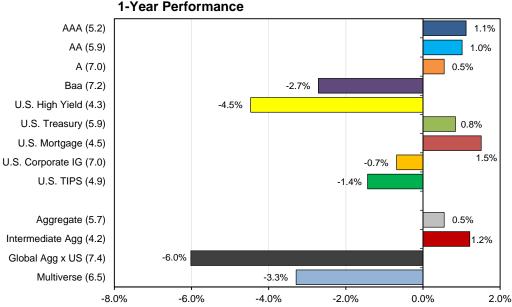
MSCI - EAFE	Sector Weight	Quarter Return	1-Year Return
Consumer Discretionary	13.2%	5.6%	1.9%
Consumer Staples	11.9%	5.2%	8.8%
Energy	4.5%	0.7%	-18.5%
Financials	25.6%	3.5%	-3.0%
Health Care	11.9%	5.4%	7.8%
Industrials	12.6%	6.4%	0.4%
Information Technology	5.2%	10.3%	4.5%
Materials	6.4%	1.2%	-16.8%
Telecommunication Services	4.9%	6.5%	3.4%
Utilities	3.8%	2.2%	-5.3%
Total	100.0%	4.7%	-0.8%
MSCI - ACWIXUS	Sector Weight	Quarter Return	1-Year Return
Consumer Discretionary	12.2%	4.5%	-1.1%
Consumer Staples	10.8%	3.8%	5.0%
Energy	6.0%	-0.6%	-22.0%
Financials	27.1%	2.5%	-8.4%
Health Care	9.6%	3.4%	5.8%
Industrials	11.2%	4.6%	-3.6%
Information Technology	8.3%	8.3%	-1.6%
Materials	6.4%	0.3%	-19.8%
Telecommunication Services	5.2%	2.6%	-4.4%
Utilities	3.5%	1.3%	-9.3%
Total	100.0%	3.2%	-5.7%
MSCI - Emerging Mkt	Sector Weight	Quarter Return	1-Year Return
Consumer Discretionary	10.0%	2.2%	-11.3%
Consumer Staples	8.3%	-1.8%	-9.1%
Energy	7.1%	-0.1%	-17.1%
Financials	28.0%	0.9%	-18.7%
Health Care	2.9%	2.2%	-5.2%
Industrials	7.0%	-3.2%	-16.8%
Information Technology	20.8%	6.4%	-6.9%
Materials	6.0%	-1.9%	-21.6%
Telecommunication Services	6.8%	-6.0%	-19.6%
Utilities	3.2%	-1.3%	-20.8%
Total	100.0%	0.7%	-14.9%

	MSCI-EAFE	MSCI-ACWIXUS	Quarter	1- Year
Country	Weight	Weight	Return	Return
Japan	23.4%	17.3%	9.3%	9.6%
United Kingdom	19.4%	14.3%	0.7%	-7.6%
France	9.7%	7.2%	1.7%	-0.1%
Switzerland	9.4%	6.9%	2.0%	0.4%
Germany	9.1%	6.7%	7.7%	-1.9%
Australia	6.8%	5.0%	10.0%	-10.0%
Spain	3.2%	2.3%	-2.6%	-15.6%
Hong Kong	3.1%	2.3%	6.0%	-0.5%
Netherlands	2.9%	2.1%	3.1%	1.3%
Sweden	2.9%	2.1%	2.4%	-5.0%
Italy	2.4%	1.7%	-2.3%	2.3%
Denmark	1.9%	1.4%	6.7%	23.4%
Belgium	1.4%	1.1%	13.6%	12.1%
Singapore	1.3%	0.9%	4.2%	-17.7%
Finland	0.9%	0.7%	9.6%	2.0%
Israel	0.8%	0.6%	8.9%	10.4%
Norway	0.6%	0.4%	-0.5%	-15.0%
Ireland	0.4%	0.3%	7.0%	16.5%
Austria	0.2%	0.1%	6.9%	3.5%
New Zealand	0.2%	0.1%	18.2%	-6.3%
Portugal	0.2%	0.1%	4.2%	0.9%
Total EAFE Countries	100.0%	73.6%	4.7%	-0.8%
Canada	100.0 /6	5.9%	-5.1%	-24.2%
Total Developed Countries		79.5%	3.9%	-3.0%
China		5.5%	4.0%	-7.8%
Korea		3.2%	5.4%	-6.7%
Taiwan		2.5%	1.2%	-11.7%
India		1.8%	-0.9%	-6.1%
South Africa		1.4%	-10.6%	-25.5%
Brazil		1.1%	-3.3%	-25.5%
· ·			-3.3% -1.2%	-41.4%
Mexico		0.9%		
Russia		0.7%	-4.1%	4.2%
Malaysia		0.7%	7.9%	-20.1%
Indonesia		0.5%	20.8%	-19.5%
Thailand		0.4%	-6.2%	-23.5%
Philippines		0.3%	-0.5%	-6.8%
Turkey		0.3%	-0.3%	-31.9%
Poland		0.3%	-12.9%	-25.4%
Chile		0.2%	-1.1%	-17.7%
Qatar		0.2%	-10.2%	-19.5%
United Arab Emirates		0.2%	-12.6%	-17.9%
Greece		0.1%	-19.0%	-61.3%
Colombia		0.1%	-9.4%	-41.8%
Peru		0.1%	-8.1%	-31.7%
Hungary		0.1%	11.4%	36.3%
Czech Republic		0.0%	-11.3%	-18.4%
Egypt		0.0%	-7.8%	-23.7%
Total Emerging Countries		20.6%	0.7%	-14.9%
Total ACWIXUS Countries		100.0%	3.2%	-5.7%



- Fixed income index performance was modestly negative for the 4<sup>th</sup> quarter. Much of the quarter's negative performance was attributable to the market's anticipation and reaction to the Fed's December decision to raise the Federal Funds Rate by 25 bps. This shift in monetary policy represented both an end to the Fed's seven year (December 2008) zero-interest rate policy and the first rate increase in nearly ten years (July 2006). The Fed's action caused a flattening of the U.S. Treasury yield curve with short-term yields rising more than long-term rates. Despite the larger increase in rates at the short end of the yield curve, longer-dated maturity issues underperformed due to their higher durations and the resulting greater sensitivity to interest rate increases. The calendar year's fixed income results were mixed with high-quality issues posting small, positive results, while lower-quality and international bonds posted negative performance for the year.
- The broad market Aggregate benchmark posted a return of -0.6% for the quarter. Within the Aggregate index, the mortgage index, aided by its lower duration, was down less than Treasury and corporate issues during the quarter. While the Treasury and mortgage indices finished the year with positive returns, the combined impact of rate increases on the Treasury yield curve, and widening credit spreads during the second half of the year, caused the investment grade corporate index to end the year in negative territory. Due to persistent strength in the USD throughout 2015, unhedged global bond index performance lagged broad domestic index returns for both the quarter and the calendar year.
- Lower credit quality and high yield indices underperformed other domestic indices for both the 4th quarter and the trailing year. Within both bond market segments, issues in energy and commodity related companies were hit particularly hard as credit spreads widened substantially in these industries. While theoretical liquidity concerns in the bond market had been expressed due to structural changes in trading and inventory since the financial crisis, these concerns became a reality during the quarter when the Third Avenue Focused Credit Fund (TFCVX) abruptly closed and suspended investor redemptions in order to liquidate the fund's high yield, illiquid positions in an orderly fashion. Only time will tell if this problem was due to excessive risk taking by the single fund or if it is more endemic of the overall structure of the high yield market.



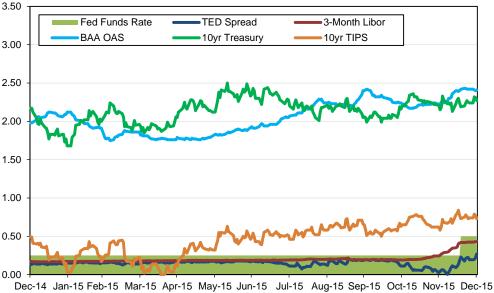


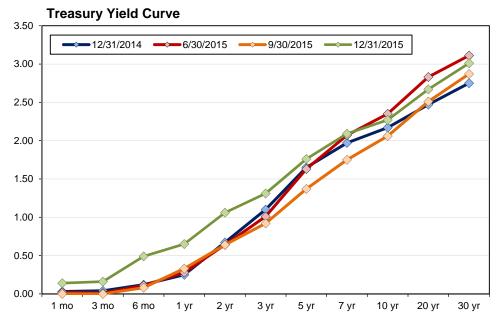


Source: Barclays Capital Live

- U.S. Treasury Inflation Protected Securities (TIPS) finished the quarter and year in negative territory returning -0.6% and -1.4%, respectively. Current inflation readings continue to fall below the Fed's 2.0% target, and future inflation expectations are tempered by a strong USD and the deflationary pressures of falling energy and commodity prices.
- 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 the 10-year Treasury (green line) rose over the quarter and ended the year slightly higher than where it started. The blue line illustrates changes in the BAA OAS (Option Adjusted Spread), which quantifies the additional yield premium that investors demand to purchase and hold non-Treasury issues. After falling below 2.0% early in 2015, this spread rose throughout the remainder of the year. This "spread-widening" is equivalent to an interest rate increase on corporate bonds, which creates drag on realized corporate bond returns. Finally, the Federal Funds Rate (light green shading) has a small uptick on the right of the graph showing the Fed's announcement to end its zero interest rate policy. The lower graph provides a snapshot of the U.S. Treasury yield curve at each of the last four calendar quarters. Maturities out to seven years ended 2015 at their highest levels of the year while 10-, 20-, and 30-year maturities issues finished the year marginally lower than their June 30<sup>th</sup> levels.
- Based on moderate U.S. economic growth, stable employment, and below target inflation, it is unlikely the Fed will move aggressively to increase (normalize) the Federal Funds Rate during 2016. The Fed has stated future rate increases would be implemented at a measured pace and with ongoing assessment of current economic data. Geopolitical events and stimulus programs by other countries should keep demand for U.S. Treasury issues elevated and put downward pressure on how high domestic rates will rise in the short-term.

# 1-Year Trailing Market Rates

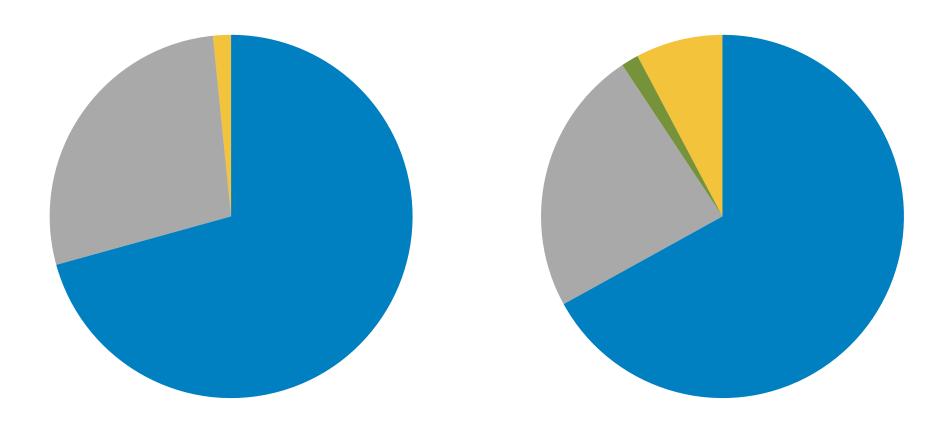






Asset Allocation By Segment as of September 30, 2015 : \$28,649,598

Asset Allocation By Segment as of December 31, 2015 : \$31,457,198

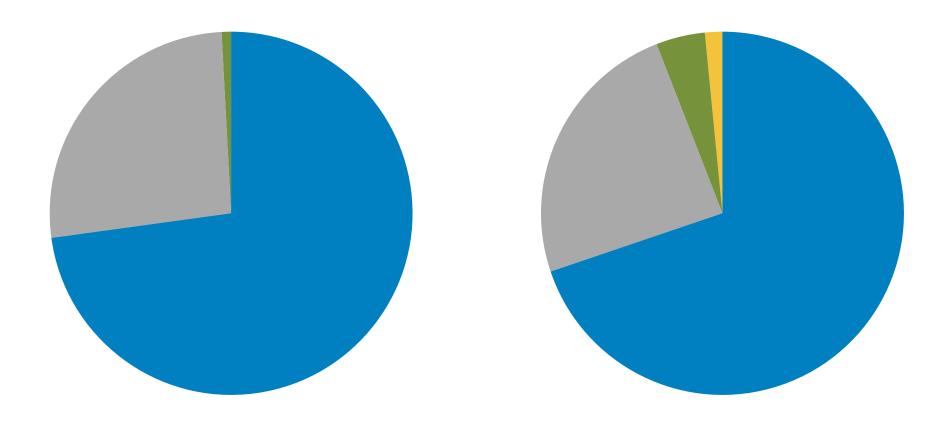


llocation	Allocation						
Segments	Market Value	Allocation	Segments	Market Value	Allocation		
■ Domestic Equity	20,255,742	70.7	Domestic Equity	21,068,882	67.0		
Domestic Fixed Income	7,935,220	27.7	Domestic Fixed Income	7,457,517	23.7		
Real Estate	-	0.0	Real Estate	490,000	1.6		
Cash Equivalent	458,636	1.6	Cash Equivalent	2,440,799	7.8		



Asset Allocation By Manager as of September 30, 2015 : \$28,649,598

Asset Allocation By Manager as of December 31, 2015 : \$31,457,198

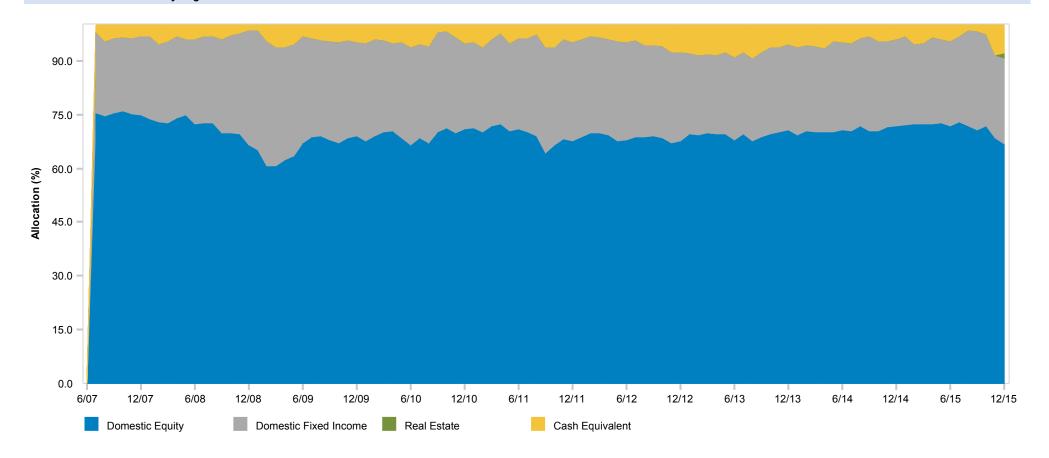


ocation	Allocation					
	Market Value	Allocation		Market Value	Allocation	
■ Bowen Hanes Balanced Portfolio	20,866,212	72.8	■ Bowen Hanes Balanced Portfolio	21,957,548	69.8	
■ Rockwood Capital Balanced Portfolio	7,542,854	26.3	Rockwood Capital Balanced Portfolio	7,636,271	24.3	
R&D Account	240,532	0.8	■ R&D Account	1,373,379	4.4	
ASB (Real Estate)	-	0.0	ASB (Real Estate)	490,000	1.6	



Asset Allocation Attributes											
	Dec-20	014	Mar-20	015	Jun-2015		Sep-20	Sep-2015		Dec-2015	
	(\$)	%	(\$)	%	(\$)	%	(\$)	%	(\$)	%	
Bowen Hanes Balanced Portfolio	23,648,230	73.91	24,188,781	74.32	23,590,132	74.18	20,866,212	72.83	21,957,548	69.80	
Rockwood Balanced Portfolio	8,278,876	25.88	8,283,602	25.45	7,972,330	25.07	7,542,854	26.33	7,636,271	24.28	
ASB (Real Estate)	-	0.00	-	0.00	-	0.00	-	0.00	490,000	1.56	
R&D Account	67,019	0.21	76,479	0.23	237,283	0.75	240,532	0.84	1,373,379	4.37	

### **Historical Asset Allocation by Segment**





Financial Reconciliation Quarter	to Date								
	Market Value 10/01/2015	Net Transfers	Contributions	Distributions	Management Fees	Other Expenses	Income	Apprec./ Deprec.	Market Value 12/31/2015
Bowen Hanes Balanced Portfolio	20,866,212	-236,890	-	-	-20,834	-	85,750	1,263,310	21,957,548
Rockwood Balanced Portfolio	7,542,854	-78,963	-	-	-9,429	-	35,508	146,302	7,636,271
ASB (Real Estate)	-	490,000	-	-	-	-	-	-	490,000
R&D Account	240,532	-174,146	1,886,558	-567,956	-	-11,623	15	-	1,373,379
Total Fund	28,649,598	-	1,886,558	-567,956	-30,263	-11,623	121,272	1,409,612	31,457,198

Financial Reconciliation Fiscal Year to Date												
	Market Value 10/01/2015	Net Transfers	Contributions	Distributions	Management Fees	Other Expenses	Income	Apprec./ Deprec.	Market Value 12/31/2015			
Bowen Hanes Balanced Portfolio	20,866,212	-236,890	-	-	-20,834	-	85,750	1,263,310	21,957,548			
Rockwood Balanced Portfolio	7,542,854	-78,963	-	-	-9,429	-	35,508	146,302	7,636,271			
ASB (Real Estate)	-	490,000	-	-	-	-	-	-	490,000			
R&D Account	240,532	-174,146	1,886,558	-567,956	-	-11,623	15	-	1,373,379			
Total Fund	28,649,598	-	1,886,558	-567,956	-30,263	-11,623	121,272	1,409,612	31,457,198			



	QTR	1	FYT	D	1 \	′R	3 Y	'R	5 Y	′R	10	YR	Inception	Inceptior Date
Total Fund (Net)	5.29	5.	29		-1.97		7.57		6.56	6.56			8.84	08/01/1986
Total Fund Policy	3.46	3.	46		-0.14		8.15		7.59		5.69		8.47	
Total Fund (Gross)	5.39 (2	(2) 5.	39	(2)	-1.56	(86)	8.02	(37)	7.01	(48)	6.28	(21)	9.09 (N/A)	08/01/1986
Total Fund Policy	3.46 (	18) 3.	46	(18)	-0.14	(51)	8.15	(34)	7.59	(27)	5.69	(59)	8.47 (N/A)	
All Public Plans-Total Fund Median	2.84	2.	84		-0.10		7.63		6.98		5.83		N/A	
Total Domestic Equity	7.65 (	(12) 7.	65	(12)	-2.63	(87)	11.27	(92)	9.10	(95)	7.63	(57)	11.13 (41)	08/01/1986
Total Equity Policy	5.59 (	62) 5.	59	(62)	-0.82	(73)	11.72	(91)	9.69	(91)	6.02	(98)	9.62 (100)	
IM U.S. Large Cap Core Equity (SA+CF) Median	5.91	5.	91		1.32		15.23		12.63		7.77		10.93	
Total Fixed Income	-0.29 ( <sup>-</sup>	19) -0.	29	(19)	0.72	(58)	1.25	(95)	2.89	(100)	3.71	(100)	6.07 (100)	03/01/1988
Total Fixed Income Policy	-0.57 (	71) -0.	57	(71)	0.55	(73)	1.44	(81)	3.25	(89)	4.49	(89)	6.47 (95)	
IM U.S. Broad Market Core Fixed Income (SA+CF) Median	-0.46	-0.	46		0.78		1.69		3.65		4.94		6.76	
Bowen Hanes Balanced Portfolio (Gross)	6.46 (°	1) 6.	46	(1)	-1.42	(85)	8.13	(35)	7.06	(45)	6.27	(22)	9.08 (N/A)	08/01/1986
Total Bowen Policy	4.04 (4	4) 4.	04	(4)	1.00	(18)	10.23	(2)	9.33	(1)	6.58	(9)	8.78 (N/A)	
All Public Plans-Total Fund Median	2.84	2.	84		-0.10		7.63		6.98		5.83		N/A	
Bowen Hanes Balanced Portfolio (Net)	6.36	6.	36		-1.82		7.70		6.64		5.86		8.84	08/01/1986
Total Bowen Policy	4.04	4.	04		1.00		10.23		9.33		6.58		8.78	
Bowen Hanes Equity	8.88 (2	(2) 8.	88	(2)	-2.30	(85)	11.06	(93)	9.02	(95)	7.35	(69)	11.04 (45)	08/01/1986
Russell 1000 Index	6.50 (	35) 6.	50	(35)	0.92	(55)	15.01	(55)	12.44	(56)	7.40	(68)	10.10 (100)	
IM U.S. Large Cap Core Equity (SA+CF) Median	5.91	5.	91		1.32		15.23		12.63		7.77		10.93	
Bowen Hanes Fixed Income	-0.36 (2	27) -0.	36	(27)	0.62	(65)	1.09	(97)	2.72	(100)	3.75	(100)	6.09 (100)	03/01/1988
Total Fixed Income Policy	-0.57 (	71) -0.	57	(71)	0.55	(73)	1.44	(81)	3.25	(89)	4.49	(89)	6.47 (95)	
IM U.S. Broad Market Core Fixed Income (SA+CF) Median	-0.46	-0.	46		0.78		1.69		3.65		4.94		6.76	
Rockwood Balanced Portfolio	2.41 (	75) 2.	41	(75)	-2.16	(95)	8.05	(36)	7.11	(44)	N/A		9.80 (4)	10/01/2009
Total Rockwood Policy	3.90 (	6) 3.	90	(6)	0.72	(26)	10.06	(3)	9.17	(2)	N/A		10.16 (2)	
All Public Plans-Total Fund Median	2.84	2.	84		-0.10		7.63		6.98		5.83		8.28	
Rockwood Equity	3.79 (	67) 3.	79	(67)	-3.67	(80)	11.44	(81)	9.01	(85)	N/A		13.14 (55)	10/01/2009
Russell 3000 Index	6.27 (	<b>19)</b> 6.	27	(19)	0.48	(39)	14.74	(48)	12.18	(52)	7.35	(63)	13.44 (52)	
IM U.S. All Cap Core Equity (SA+CF) Median	4.75	4.	75		-0.63		14.36		12.28		7.72		13.48	
Rockwood Fixed Income	-0.17 (	10) -0.	17	(10)	0.86	(41)	1.53	(71)	3.24	(89)	N/A		3.65 (92)	10/01/2009
Total Fixed Income Policy	-0.57 (	71) -0.	57	(71)	0.55	(73)	1.44	(81)	3.25	(89)	4.49	(89)	3.76 (84)	
IM U.S. Broad Market Core Fixed Income (SA+CF) Median	-0.46	-0.	46		0.78		1.69		3.65		4.94		4.29	
ASB (Real Estate)	N/A	N	/A		N/A		N/A		N/A		N/A		0.00 (N/A)	12/01/2015
NCREIF Fund Index-Open End Diversified Core (EW)	3.47 (	N/A) 3.	47	(N/A)	15.21	(N/A)	13.60	(N/A)	13.55	(N/A)	6.27	(N/A)	3.47 (N/A)	
IM U.S. Open End Private Real Estate (SA+CF)	N/A	3.	34		N/A		N/A		N/A		N/A		N/A	



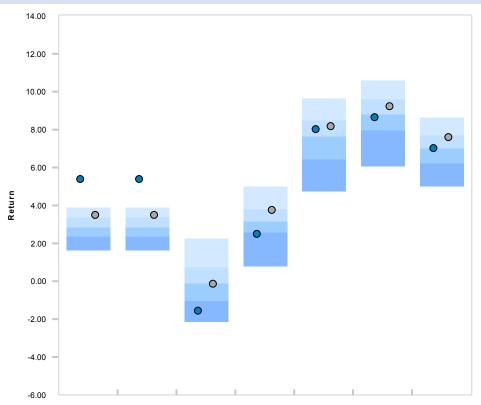
Returns for periods greater than one year are annualized.

Returns are expressed as percentages. Fiscal year ends September 30th.

	Oct-2014	Oct-2013	Oct-20		t-2011	Oct-2		Oct-2		Oct-2		Oct-2	
	To Sep-2015	To Sep-2014	To Sep-20		To o-2012	To Sep-2		To Sep-2		To Sep-2		To Sep-2	
Total Fund (Net)	-5.00	11.67	11.49	18.5		-0.08		12.94	.0.0	-3.43		-16.34	-000
Total Fund Policy	-0.92	10.97	12.41	19.0		0.77		10.08		0.09		-13.98	
Total Fund (Gross)	-4.57 (98)	12.11 (18)	11.96	(64) 19.0	6 (32)	0.34	(50)	13.39	(6)	-3.03	(87)	-16.01	(8
Total Fund Policy	-0.92 (65)	10.97 (38)	12.41	(55) 19.0	2 (33)	0.77	(41)	10.08	(49)	0.09	(67)	-13.98	(5
All Public Plans-Total Fund Median	-0.35	10.42	12.69	18.0	9	0.34		9.99		1.44		-13.41	
Fotal Domestic Equity	-6.76 (96)	16.51 (81)	18.31	(78) 26.5	8 (71)	-1.95	(82)	15.54	(4)	-6.40	(58)	-20.99	(5
Total Equity Policy	-3.15 (84)	14.79 (90)	20.60	(52) 26.6	5 (70)	-2.04	(83)	10.75	(33)	-6.14	(54)	-22.10	(7
IM U.S. Large Cap Core Equity	-0.04	19.27	20.71	29.7	8	1.16		9.53		-5.77		-20.40	
Total Fixed Income	1.92 (94)	2.77 (98)	-0.91	(35) 5.4	2 (84)	4.80	(73)	10.26	(23)	8.50	(92)	-1.34	8)
Total Fixed Income Policy	2.94 (59)	3.96 (80)	-1.68	(80) 5.1	6 (91)	5.26	(50)	8.73	(65)	11.46	(68)	2.41	(5
IM U.S. Broad Market Core Fixed Income	3.02	4.50	-1.28	6.6	0	5.26		9.23		12.28		2.53	
Bowen Hanes Balanced Portfolio	-5.47 (100)	12.93 (13)	10.99	(78) 19.1	0 (31)	-0.09	(61)	12.69	(8)	-2.09	(82)	-16.01	(8
Total Bowen Policy	0.76 (26)	13.62 (10)	12.60	(52) 21.0	6 (12)	2.69	(15)	10.08	(49)	0.09	(67)	-13.98	(5
All Public Plans-Total Fund Median	-0.35	10.42	12.69	18.0	9	0.34		9.99		1.44		-13.41	
Bowen Hanes Equity	-7.77 (97)	17.54 (70)	16.04	(89) 25.6	8 (77)	-2.07	(83)	14.02	(8)	-5.84	(52)	-20.99	•
Russell 1000 Index	-0.61 (61)	19.01 (54)	20.91	(47) 30.0	5 (47)	0.91	(55)	10.75	(33)	-6.14	(54)	-22.10	(7
IM U.S. Large Cap Core Equity	-0.04	19.27	20.71	29.7	8	1.16		9.53		-5.77		-20.40	
Bowen Hanes Fixed Income	1.43 (98)	2.28 (100)	-0.52	(19) 5.7	2 (80)	4.72	(75)	11.03	(17)	8.64	(92)	-1.34	•
Total Fixed Income Policy	2.94 (59)	3.96 (80)	-1.68	(80) 5.1	6 (91)	5.26	(50)	8.73	(65)	11.46	(68)	2.41	(5
IM U.S. Broad Market Core Fixed Income	3.02	4.50	-1.28	6.6	0	5.26		9.23		12.28		2.53	
Rockwood Balanced Portfolio	-1.43 (76)	10.08 (56)		(20) 19.4	` ,	1.66	(26)	15.65	(2)	N/A		N/A	
Total Rockwood Policy	0.84 (25)	12.85 (13)	13.03		6 (12)	2.47	(17)	10.37	(41)	N/A		N/A	
All Public Plans-Total Fund Median	-0.35	10.42	12.69	18.0	9	0.34		9.99		1.44		-13.41	
Rockwood Equity	-3.60 (84)	13.41 (72)	24.29	(50) 29.6	1 (35)	-2.18	(77)	21.00	(1)	N/A		N/A	
Russell 3000 Index	-0.49 (48)	17.76 (27)	21.60	(79) 30.2	.0 (31)	0.55	(59)	10.96	(50)	-6.42	(58)	-21.52	(6
IM U.S. All Cap Core Equity	-0.91	16.09	24.14	27.5	2	1.01		10.90		-5.85		-20.69	
Rockwood Fixed Income	2.93 (60)	3.76 (90)	-1.80	(88) 4.8	3 (96)	5.25	(51)	8.28	(82)	N/A		N/A	
Total Fixed Income Policy	2.94 (59)	3.96 (80)	-1.68	(80) 5.1	6 (91)	5.26	(50)	8.73	(65)	11.46	(68)	2.41	(5
IM U.S. Broad Market Core Fixed Income	3.02	4.50	-1.28	6.6	0	5.26		9.23		12.28		2.53	
ASB (Real Estate)	N/A	N/A	N/A	N	Α	N/A		N/A		N/A		N/A	
NCREIF Fund Index-Open End Diversified Core (EW)	14.71 (66)	12.39 (69)		(69) 11.7		18.03	(41)	6.14	(52)	-36.09	(54)	3.73	(4
IM U.S. Open End Private Real Estate (SA+CF)	15.93	12.78	13.22	12.9	0	16.62		6.39		-34.80		3.23	



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



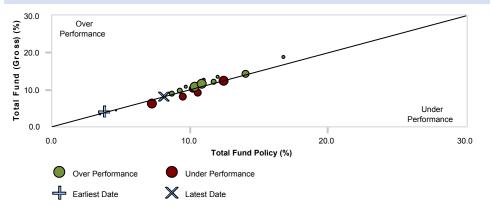
	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR
<ul><li>Total Fund (Gross)</li></ul>	5.39 (2)	5.39 (2)	-1.56 (86)	2.49 (77)	8.02 (37)	8.66 (55)	7.01 (48)
<ul><li>Total Fund Policy</li></ul>	3.46 (18)	3.46 (18)	-0.14 (51)	3.76 (26)	8.15 (34)	9.20 (39)	7.59 (27)
Median	2.84	2.84	-0.10	3.16	7.63	8.78	6.98

	35.00												
	30.00												
	25.00 -												
	20.00 -							• (	)				
Return	15.00 —											•	
Ref	10.00 —				)								)
	5.00 —												
	0.00	C	)							0	)		
	-5.00 —	•											
	-10.00												
		Oct-2 To Sep-2	)	Oct-2 To Sep-2	)	Oct-2 To Sep-2	0	Oct-2 To Sep-2	0	Oct-2 To Sep-2	)	Oct-2 To Sep-2	)
Total Fur	nd (Gross)	-4.57	(98)	12.11	(18)	11.96	(64)	19.06	(32)	0.34	(50)	13.39	(6)
	d Policy												

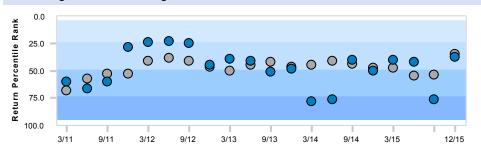
	Oct-2014 To Sep-2019	Oct-20 To Sep-20		To	)	To	)	To	)	Oct-2 To Sep-2	)
<ul><li>Total Fund (Gross)</li></ul>	-4.57 (98	3) 12.11 (	(18)	11.96	(64)	19.06	(32)	0.34	(50)	13.39	(6)
<ul><li>Total Fund Policy</li></ul>	-0.92 (65	5) 10.97 (	(38)	12.41	(55)	19.02	(33)	0.77	(41)	10.08	(49)
Median	-0.35	10.42		12.69		18.09		0.34		9.99	

Comparative Performance						
	1 Qtr Ending Sep-2015	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
Total Fund (Gross)	-8.90 (97)	-0.75 (88)	3.30 (14)	2.17 (57)	-0.02 (10)	4.00 (28)
Total Fund Policy	-5.06 (48)	-0.39 (72)	2.08 (79)	2.65 (37)	-0.71 (31)	3.94 (31)
All Public Plans-Total Fund Median	-5.15	-0.06	2.50	2.34	-1.07	3.65



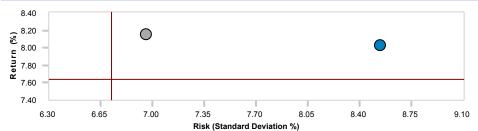


### 3 Yr Rolling Percentile Ranking - 5 Years



		Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count	
_	<ul><li>Total Fund (Gross)</li></ul>	20	3 (15%)	10 (50%)	4 (20%)	3 (15%)	
	<ul> <li>Total Fund Policy</li> </ul>	20	0 (0%)	14 (70%)	6 (30%)	0 (0%)	

### Peer Group Scattergram - 3 Years



	Return	Standard Deviation
<ul><li>Total Fund (Gross)</li></ul>	8.02	8.54
<ul> <li>Total Fund Policy</li> </ul>	8.15	6.96
Median	7.63	6.73

### Peer Group Scattergram - 5 Years



	Return	Deviation
<ul><li>Total Fund (Gross)</li></ul>	7.01	9.32
<ul> <li>Total Fund Policy</li> </ul>	7.59	7.93
Median	6.98	7.93

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

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Total Fund (Gross)	2.52	109.12	120.35	-1.51	0.00	0.94	1.19	5.07
Total Fund Policy	0.00	100.00	100.00	0.00	N/A	1.16	1.00	3.75

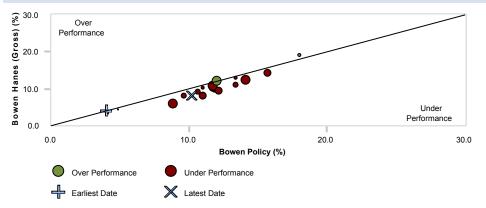
### **Historical Statistics - 5 Years**

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Total Fund (Gross)	2.69	106.73	119.31	-1.43	-0.16	0.77	1.13	5.88
<b>Total Fund Policy</b>	0.00	100.00	100.00	0.00	N/A	0.96	1.00	4.65

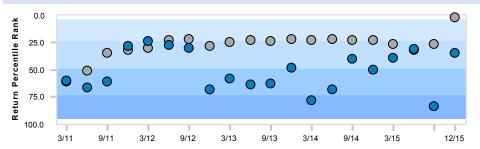


### Plan Sponsor Peer Group Analysis - All Public Plans-Total Fund 14.00 35.00 12.00 30.00 0 10.00 25.00 0 0 8.00 20.00 6.00 15.00 0 00 0 Return Return 0 0 4.00 10.00 0 2.00 5.00 0 0 0 0.00 0.00 0 -2.00 -5.00 -4.00 -10.00 -15.00 -6.00 Oct-2014 Oct-2013 Oct-2012 Oct-2011 Oct-2010 Oct-2009 To To To To 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 Bowen Hanes (Gross) 6.46 (1) 6.46 (1) -1.42 (85) 2.64 (72) 8.13 (35) 8.67 (52) 7.06 (45) Bowen Hanes (Gross) -5.47 (100) 12.93 (13) 10.99 (78) 19.10 (31) -0.09 (61) 12.69 (8) Bowen Policy 1.00 (18) 5.75 (1) 10.23 (2) 9.33 (1) Bowen Policy 0.76 (26) 13.62 (10) 12.60 (52) 21.06 (12) 2.69 (15) 10.08 (49) 4.04 (4) 4.04 (4) 10.71 (4) Median 2.84 2.84 -0.10 3.16 7.63 8.78 6.98 Median -0.35 10.42 12.69 18.09 0.34 9.99 **Comparative Performance** 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr Ending Ending Ending **Ending Ending** Ending Sep-2015 Jun-2015 Mar-2015 Dec-2014 Sep-2014 Jun-2014 Bowen Hanes (Gross) -10.53 (100) -0.42 (74) 3.93 (10) 2.10 (60) -0.76 (34) 4.41 (16) **Bowen Policy** -4.03 (12) -0.51 (78) 1.68 (94)(8) 0.50 (5) 4.04 (27)3.80 All Public Plans-Total Fund Median 2.50 2.34 -1.07 -5.15 -0.06 3.65



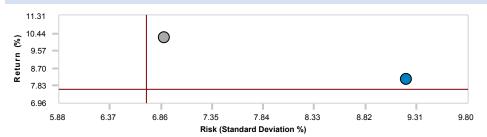


### 3 Yr Rolling Percentile Ranking - 5 Years



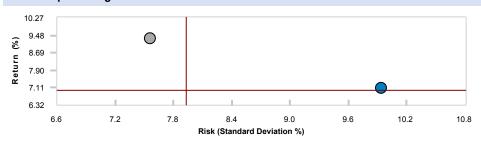
	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count	
<ul><li>Bowen Hanes (Gross)</li></ul>	20	1 (5%)	9 (45%)	8 (40%)	2 (10%)	
<ul> <li>Bowen Policy</li> </ul>	20	11 (55%)	7 (35%)	2 (10%)	0 (0%)	

### Peer Group Scattergram - 3 Years



	Return	Standard Deviation
<ul><li>Bowen Hanes (Gross)</li></ul>	8.13	9.22
<ul><li>Bowen Policy</li></ul>	10.23	6.89
Median	7.63	6.73

### Peer Group Scattergram - 5 Years



	Return	Standard Deviation
<ul><li>Bowen Hanes (Gross)</li></ul>	7.06	9.94
<ul><li>Bowen Policy</li></ul>	9.33	7.57
Median	6.98	7.93

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

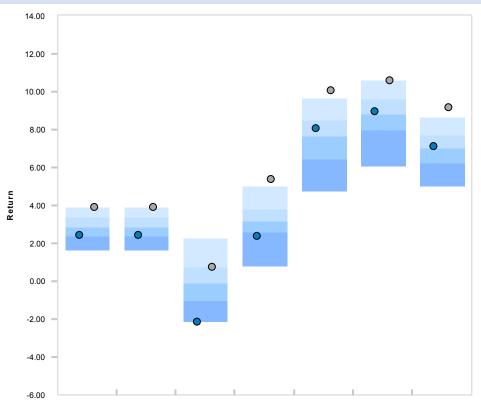
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Bowen Hanes (Gross)	3.33	105.96	145.78	-4.44	-0.53	0.89	1.28	5.52
Bowen Policy	0.00	100.00	100.00	0.00	N/A	1.45	1.00	3.43

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

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Bowen Hanes (Gross)	3.56	107.06	146.08	-4.15	-0.53	0.73	1.25	6.31
Bowen Policy	0.00	100.00	100.00	0.00	N/A	1.21	1.00	4.10



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



	QTR	FYTD	1 YR	2 YR	3 YR	4 YR	5 YR
<ul><li>Rockwood (Gross)</li></ul>	2.41 (75)	2.41 (75)	-2.16 (95)	2.39 (78)	8.05 (36)	8.93 (47)	7.11 (44)
Rockwood Policy	3.90 (6)	3.90 (6)	0.72 (26)	5.39 (2)	10.06 (3)	10.58 (6)	9.17 (2)
Median	2.84	2.84	-0.10	3.16	7.63	8.78	6.98

	30.00 -												
	25.00 -												
	20.00 -							•	)				
Return	15.00 =					•	)					•	
Ret	10.00 -			•									
	5.00 -												
	0.00 -	•	)										
	-5.00 =												
	-10.00												
		T	2014 o 2015	Oct-2 To Sep-2	o 2014	Oct-2 To Sep-2	0	Oct-2 To Sep-2	0	Oct-2 To Sep-2	0	Oct-2 To Sep-2	)
Rockwoo			(76)					19.47			(26)	15.65	. ,
Rockwoo	d Policy	0.84	(25)	12.85	(13)	13.03	(45)	21.16	(12)	2.47	(17)	10.37	(41)

35.00

		Sep-2	2015	Sep-2	2014	Sep-2	2013	Sep-2	2012	Sep-2	2011	Sep-2	2010
0	Rockwood (Gross)	-1.43	(76)	10.08	(56)	14.93	(20)	19.47	(26)	1.66	(26)	15.65	(2)
0	Rockwood Policy	0.84	(25)	12.85	(13)	13.03	(45)	21.16	(12)	2.47	(17)	10.37	(41
	Median	-0.35		10 42		12 69		18 09		0.34		9 99	

Comparative Performance						
	1 Qtr Ending Sep-2015	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
Rockwood (Gross)	-4.31 (19)	-1.75 (99)	1.62 (95)	3.18 (20)	2.19 (1)	2.87 (92)
Rockwood Policy	-4.31 (19)	-0.50 (77)	1.81 (92)	4.03 (6)	0.08 (8)	3.88 (36)
All Public Plans-Total Fund Median	-5.15	-0.06	2.50	2.34	-1.07	3.65



# 3 Yr Rolling Under/Over Performance - 5 Years Over Performance 12.0 9.0 15.0 Under Performance Over Performance Under Performance Under Performance Under Performance Under Performance

### 3 Yr Rolling Percentile Ranking - 5 Years 0 Return Percentile Rank 90000 25.0 50.0 75.0 100.0 3/12 9/12 3/13 9/13 3/15 12/15 3/11 3/14

		Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count	
•	<ul> <li>Rockwood (Gross)</li> </ul>	14	5 (36%)	6 (43%)	1 (7%)	2 (14%)	
	<ul> <li>Rockwood Policy</li> </ul>	14	10 (71%)	4 (29%)	0 (0%)	0 (0%)	

### Peer Group Scattergram - 3 Years 10.53 0 Return (%) 8.91 8.10 7.29 6.48 6.56 6.72 6.88 7.04 7.20 7.36 7.52 7.68 7.84 Risk (Standard Deviation %)

X Latest Date

Earliest Date

Pee	r Group Sca	ttergram - 5 Ye	ears				
	10.22						
	9.49 —						
Return (%)	8.76						
etni	8.03 -						
œ	7.30 -						
	6.57						
	7.4	7.6	7.8	8.0	8.2	8.4	8.6
			Risk (S	tandard Deviation	%)		

	Return	Standard Deviation
<ul><li>Rockwood (Gross)</li></ul>	8.05	7.56
<ul> <li>Rockwood Policy</li> </ul>	10.06	6.94
Median	7.63	6.73

	Return	Standard Deviation
<ul><li>Rockwood (Gross)</li></ul>	7.11	8.43
<ul> <li>Rockwood Policy</li> </ul>	9.17	7.69
Median	6.98	7.93

Historical Statistics - 3 Years											
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk			
Rockwood (Gross)	2.79	91.89	108.70	-1.91	-0.65	1.06	1.01	4.31			
Rockwood Policy	0.00	100.00	100.00	0.00	N/A	1.41	1.00	3.51			

<b>Historical Statistics</b>	s - 5 Years							
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Rockwood (Gross)	2.86	92.36	109.63	-2.13	-0.65	0.85	1.03	5.19
Rockwood Policy	0.00	100.00	100.00	0.00	N/A	1.17	1.00	4.21



### Peer Group Analysis - IM U.S. Large Cap Core Equity (SA+CF) 24.00 44.00 20.00 36.00 16.00 28.00 0 0 0 0 12.00 00 0 20.00 00 8.00 0 Return 12.00 0 0 0 4.00 0 0 4.00 0.00 0 0 0 0 -4.00 -4.00 -12.00 -8.00 -20.00 -12.00 Oct-2014 Oct-2013 Oct-2012 Oct-2011 Oct-2010 Oct-2009 Τo Τo To To To Τo QTR **FYTD** 1 YR 2 YR 3 YR 4 YR 5 YR Sep-2015 Sep-2014 Sep-2013 Sep-2012 Sep-2011 Sep-2010 -2.63 (87) 2.81 (94) 26.58 (71) Total Equity 7.65 (12) 7.65 (12) 11.27 (92) 11.92 (93) 9.10 (95) Total Equity -6.76 (96) 16.51 (81) 18.31 (78) -1.95 (82) 15.54 (4) Equity Policy 5.59 (62) 5.59 (62) -0.82 (73) 3.84 (89) 11.72 (91) 12.95 (85) 9.69 (91) Equity Policy -3.15 (84) 20.60 (52) 26.65 (70) -2.04 (83) 10.75 (33) 14.79 (90) Median 5.91 5.91 1.32 7.16 15.23 15.56 12.63 Median -0.04 19.27 20.71 29.78 1.16 9.53 **Comparative Performance** 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr Ending Ending Ending **Ending Ending Ending** Sep-2015 Jun-2015 Mar-2015 Dec-2014 Sep-2014 Jun-2014 Total Equity -12.35 (100) -0.72 (78) 3.95 (13) 3.08 (90) -0.08 (78) 5.22 (32)



4.96

4.83

(46)

2.22

1.87

(41)

3.11

5.05

(89)

-1.19

1.00

(91)

0.30

0.25

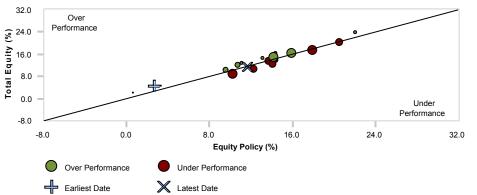
(46)

-8.38 (83)

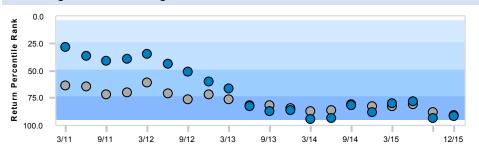
-6.66

**Equity Policy** 

IM U.S. Large Cap Core Equity (SA+CF) Median



### 3 Yr Rolling Percentile Ranking - 5 Years



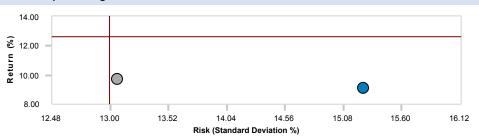
	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count	
<ul><li>Total Equity</li></ul>	20	0 (0%)	6 (30%)	3 (15%)	11 (55%)	
<ul><li>Equity Policy</li></ul>	20	0 (0%)	0 (0%)	7 (35%)	13 (65%)	

### Peer Group Scattergram - 3 Years



	/-/
Return	Standard Deviation
11.27	12.13
11.72	9.33
15.23	9.36
	Return 11.27 11.72

### Peer Group Scattergram - 5 Years



	Return	Standard Deviation
<ul><li>Total Equity</li></ul>	9.10	15.26
<ul> <li>Equity Policy</li> </ul>	9.69	13.07
Median	12.63	12.99

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

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Total Equity	3.05	103.32	109.61	-1.44	-0.08	0.95	1.10	7.05
<b>Equity Policy</b>	0.00	100.00	100.00	0.00	N/A	1.11	1.00	5.74

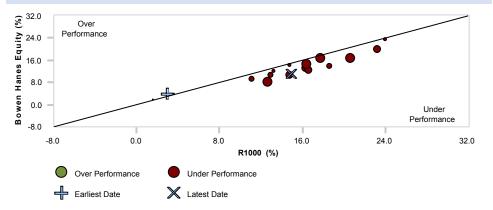
### **Historical Statistics - 5 Years**

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Total Equity	3.45	101.04	105.25	-0.87	-0.12	0.72	1.05	8.47
<b>Equity Policy</b>	0.00	100.00	100.00	0.00	N/A	0.81	1.00	7.52

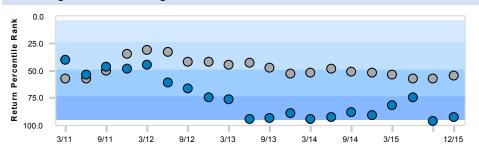


### Peer Group Analysis - IM U.S. Large Cap Core Equity (SA+CF) 24.00 44.00 20.00 36.00 0 16.00 0 0 28.00 0 12.00 0 0 0 20.00 0 8.00 Return 0 Return 0 0 12.00 0 4.00 0 4.00 0 0.00 0 0 0 0 -4.00 -4.00 -12.00 -8.00 -12.00 -20.00 Oct-2014 Oct-2013 Oct-2012 Oct-2011 Oct-2010 Oct-2009 To To To To To Τo QTR **FYTD** 1 YR 2 YR 3 YR 4 YR 5 YR Sep-2015 Sep-2014 Sep-2013 Sep-2012 Sep-2011 Sep-2010 Bowen Hanes Equity 8.88 (2) 8.88 (2) -2.30 (85) 3.12 (92) 11.06 (93) 11.56 (94) 9.02 (95) ● Bowen Hanes Equity -7.77 (97) 17.54 (70) 16.04 (89) 25.68 (77) -2.07 R1000 6.50 (35) 6.50 (35) 0.92 (55) 6.90 (57) 15.01 (55) 15.36 (56) 12.44 (56) R1000 -0.61 (61) 19.01 (54) 20.91 (47) 30.05 (47) 0.91 (55) 10.75 (33) Median 5.91 5.91 1.32 7.16 15.23 15.56 12.63 Median -0.04 19.27 20.71 29.78 1.16 9.53 **Comparative Performance** 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr Ending Ending Ending **Ending Ending Ending** Sep-2015 Jun-2015 Mar-2015 Dec-2014 Sep-2014 Jun-2014 Bowen Hanes Equity -14.00 (100) -0.43 (71) 4.78 (4) 2.79 (92) -1.04 (89) 5.78 (14)R1000 -6.83 (55) 0.11 (55)1.59 (58)4.88 (57)0.65 (59)5.12 (37)IM U.S. Large Cap Core Equity (SA+CF) Median 0.25 1.87 4.83 -6.66 5.05 1.00





### 3 Yr Rolling Percentile Ranking - 5 Years



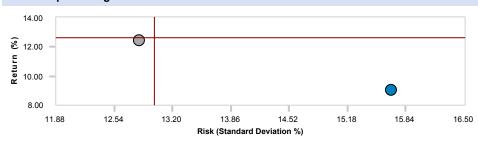
	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count	
<ul><li>Bowen Hanes Equity</li></ul>	20	0 (0%)	4 (20%)	5 (25%)	11 (55%)	
R1000	20	0 (0%)	10 (50%)	10 (50%)	0 (0%)	

### Peer Group Scattergram - 3 Years



	Return	Standard Deviation
<ul> <li>Bowen Hanes Equity</li> </ul>	11.06	13.12
O R1000	15.01	9.19
Median	15.23	9.36

### Peer Group Scattergram - 5 Years



	Return	Standard Deviation
<ul><li>Bowen Hanes Equity</li></ul>	9.02	15.68
O R1000	12.44	12.82
Median	12.63	12.99

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

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Bowen Hanes Equity	3.90	96.76	127.75	-5.21	-0.85	0.90	1.14	7.44
R1000	0.00	100.00	100.00	0.00	N/A	1.39	1.00	5.32

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

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Bowen Hanes Equity	4.21	98.28	122.87	-4.10	-0.68	0.70	1.10	8.71
R1000	0.00	100.00	100.00	0.00	N/A	1.05	1.00	6.69



### Peer Group Analysis - IM U.S. All Cap Core Equity (SA+CF) 25.00 60.00 50.00 20.00 40.00 0 15.00 0 0 0 00 0 30.00 10.00 0 0 20.00 0 0 0 0 Return Return 5.00 0 0 10.00 0 0.00 0 0.00 0 0 -5.00 -10.00 -10.00 -20.00 -30.00 -15.00 Oct-2014 Oct-2013 Oct-2012 Oct-2011 Oct-2010 Oct-2009 To To To To 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 -3.67 (80) Rockwood Equity 3.79 (67) 3.79 (67) 1.94 (81) 11.44 (81) 12.69 (73) 9.01 (85) Rockwood Equity -3.60 (84) 13.41 (72) 24.29 (50) 29.61 (35) -2.18 (77) 21.00 (1) R3000 6.27 (19) 6.27 (19) 0.48 (39) 6.35 (28) 14.74 (48) 15.15 (49) 12.18 (52) R3000 -0.49 (48) 17.76 (27) 21.60 (79) 30.20 (31) 0.55 (59) 10.96 (50) Median 4.75 4.75 -0.63 4.46 14.36 15.05 12.28 Median -0.91 16.09 24.14 27.52 1.01 10.90 **Comparative Performance** 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr Ending Ending Ending **Ending Ending Ending** Sep-2015 Jun-2015 Mar-2015 Dec-2014 Sep-2014 Jun-2014 Rockwood Equity -6.88 (39) -1.64 (93) 1.33 (88) 3.86 (64) 3.08 (1) 3.42 (74)



4.87

4.40

(32)

1.80

2.85

(76)

5.24

4.78

(39)

0.01 (32)

-1.24

(44)

-7.25

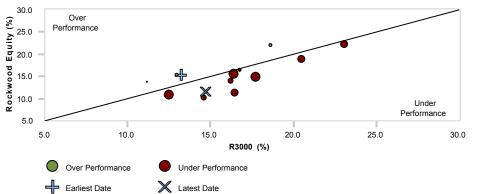
-7.57

0.14 (49)

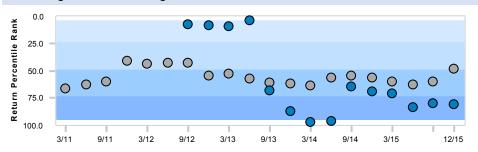
0.13

R3000

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

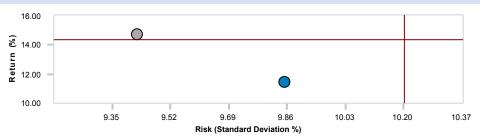


### 3 Yr Rolling Percentile Ranking - 5 Years



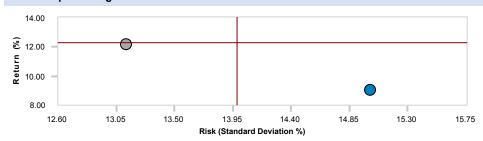
	Total Period	5-2 Cou		25-Me Cou		Media Coι		75-9 Cou	
Rockwood Equity	14	4	(29%)	0	(0%)	4	(29%)	6	(43%)
R3000	20	0	(0%)	5	(25%)	15	(75%)	0	(0%)

### Peer Group Scattergram - 3 Years



	Return	Standard Deviation
<ul> <li>Rockwood Equity</li> </ul>	11.44	9.85
O R3000	14.74	9.42
Median	14.36	10.20

### Peer Group Scattergram - 5 Years



	Return	Standard Deviation
<ul> <li>Rockwood Equity</li> </ul>	9.01	15.01
	12.18	13.13
Median	12.28	13.98

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

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Rockwood Equity	4.14	91.21	108.69	-2.48	-0.70	1.03	0.97	6.31
R3000	0.00	100.00	100.00	0.00	N/A	1.35	1.00	5.43

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

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Rockwood Equity	4.55	93.32	110.39	-3.22	-0.60	0.71	1.04	8.47
R3000	0.00	100.00	100.00	0.00	N/A	1.02	1.00	6.87



### Peer Group Analysis - IM U.S. Broad Market Core Fixed Income (SA+CF) 6.64 17.00 5.78 14.00 4.92 11.00 4.06 0 8.00 0 3.20 Return Return 00 00 2.34 5.00 0 00 1.48 2.00 0.62 0 -1.00 0 -0.24 0 -4.00 -1.10 -7.00 -1.96 Oct-2014 Oct-2013 Oct-2012 Oct-2011 Oct-2010 Oct-2009 To To To To 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 0.72 (58) Fixed Income -0.29 (19) -0.29 (19) 2.18 (100) 1.25 (95) 2.02 (97) 2.89 (100) Fixed Income 2.77 (98) -0.91 (35) 5.42 (84) 4.80 (73) 10.26 (23) Fixed Income Policy 0.55 (73) 1.44 (81) 2.13 (93) 3.25 (89) Fixed Income Policy 2.94 (59) 3.96 (80) -1.68 (80) 5.16 (91) 5.26 (50) 8.73 (65) -0.57 (71) -0.57 (71) 3.22 (76) Median -0.46 -0.460.78 3.40 1.69 2.69 3.65 Median 3.02 4.50 -1.28 6.60 5.26 9.23 **Comparative Performance** 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr



**Ending** 

Jun-2014

2.04 (72)

2.15

1.33 (100)

**Ending** 

Mar-2015

1.70 (56)

(74)

1.61

1.74

**Ending** 

Dec-2014

0.90 (98)

1.79

1.73

(39)

Ending

Sep-2014

0.03 (88)

0.17 (66)

0.21

**Ending** 

Jun-2015

-0.98 (5)

-1.68 (71)

-1.60

**Ending** 

Sep-2015

(41)

0.31 (93)

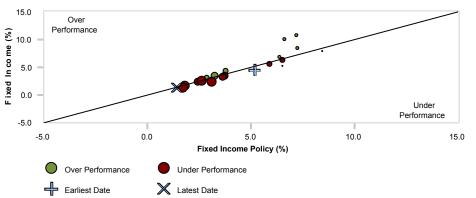
1.23

1.15

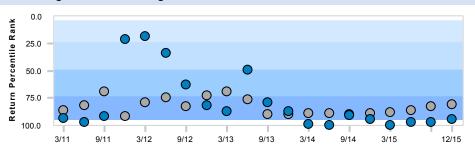
Fixed Income

Fixed Income Policy

IM U.S. Broad Market Core Fixed Income (SA+CF) Median

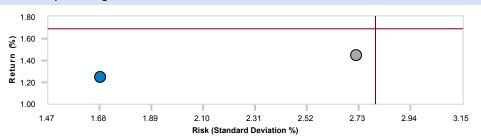


### 3 Yr Rolling Percentile Ranking - 5 Years



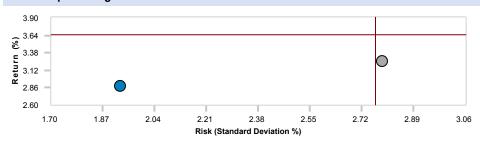
	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count	
<ul><li>Fixed Income</li></ul>	20	2 (10%)	2 (10%)	1 (5%)	15 (75%)	
<ul> <li>Fixed Income Policy</li> </ul>	20	0 (0%)	0 (0%)	4 (20%)	16 (80%)	

### Peer Group Scattergram - 3 Years



	Return	Standard Deviation
<ul><li>Fixed Income</li></ul>	1.25	1.69
<ul> <li>Fixed Income Policy</li> </ul>	1.44	2.72
Median	1.69	2.80

### Peer Group Scattergram - 5 Years



	Return	Standard Deviation
<ul><li>Fixed Income</li></ul>	2.89	1.93
<ul> <li>Fixed Income Policy</li> </ul>	3.25	2.79
Median	3.65	2.77

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

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Fixed Income	1.27	69.04	61.78	0.34	-0.17	0.64	0.62	1.16
Fixed Income Policy	0.00	100.00	100.00	0.00	N/A	0.50	1.00	1.81

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

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Fixed Income	1.43	74.67	54.23	0.85	-0.26	1.44	0.62	0.93
Fixed Income Policy	0.00	100.00	100.00	0.00	N/A	1.18	1.00	1.43

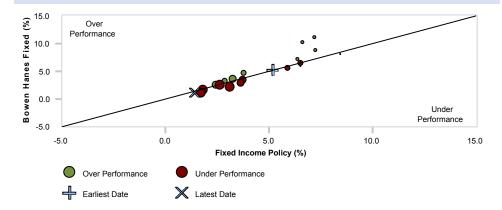


### Peer Group Analysis - IM U.S. Broad Market Core Fixed Income (SA+CF) 6.64 17.00 5.78 14.00 4.92 11.00 4.06 0 8.00 0 3.20 00 Return Return 00 2.34 5.00 0 1.48 2.00 00 0.62 -1.00 -0.24 0 -4.00 -1.10 -7.00 -1.96 Oct-2014 Oct-2013 Oct-2012 Oct-2011 Oct-2010 Oct-2009 To To To To QTR **FYTD** 1 YR 2 YR 3 YR 4 YR 5 YR Sep-2015 Sep-2014 Sep-2013 Sep-2012 Sep-2011 Sep-2010 Bowen Hanes Fixed -0.36 (27) -0.36 (27) 0.62 (65) 1.48 (100) 1.09 (97) 1.99 (97) 2.72 (100) Bowen Hanes Fixed 1.43 (98) 2.28 (100) -0.52 (19) 5.72 (80) 4.72 (75) 11.03 (17) Fixed Income Policy 2.94 (59) 3.96 (80) -0.57 (71) 0.55 (73) 3.22 (76) 1.44 (81) 2.13 (93) 3.25 (89) -1.68 (80) 5.16 (91) 5.26 (50) 8.73 (65) Median -0.46 -0.46 0.78 3.40 1.69 2.69 3.65 Median 3.02 4.50 -1.28 6.60 5.26 9.23

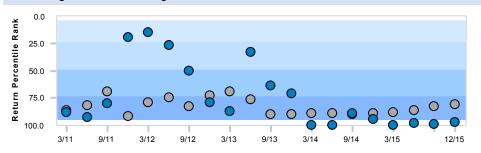
Comparative Periormance						
	1 Qtr Ending Sep-2015	1 Qtr Ending Jun-2015	1 Qtr Ending Mar-2015	1 Qtr Ending Dec-2014	1 Qtr Ending Sep-2014	1 Qtr Ending Jun-2014
Bowen Hanes Fixed	-0.02 (97)	-0.42 (2)	1.42 (95)	0.45 (99)	-0.15 (95)	1.09 (100)
Fixed Income Policy	1.23 (41)	-1.68 (71)	1.61 (74)	1.79 (39)	0.17 (66)	2.04 (72)
IM U.S. Broad Market Core Fixed Income (SA+CF) Median	1.15	-1.60	1.74	1.73	0.21	2.15

Comparative Performance



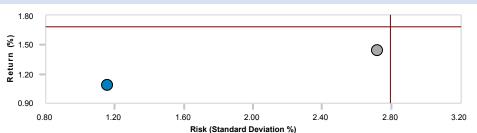


### 3 Yr Rolling Percentile Ranking - 5 Years



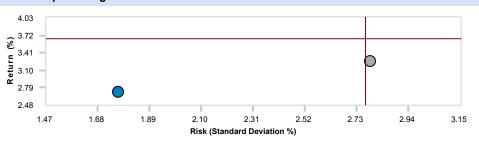
	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count	
<ul> <li>Bowen Hanes Fixed</li> </ul>	20	2 (10%)	3 (15%)	2 (10%)	13 (65%)	
<ul> <li>Fixed Income Policy</li> </ul>	20	0 (0%)	0 (0%)	4 (20%)	16 (80%)	

### Peer Group Scattergram - 3 Years



	Return	Standard Deviation
<ul><li>Bowen Hanes Fixed</li></ul>	1.09	1.16
<ul> <li>Fixed Income Policy</li> </ul>	1.44	2.72
Median	1.69	2.80

### Peer Group Scattergram - 5 Years



Return	Standard Deviation
2.72	1.76
3.25	2.79
3.65	2.77
	2.72 3.25

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

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Bowen Hanes Fixed	2.00	49.74	38.85	0.51	-0.19	0.70	0.39	0.98
Fixed Income Policy	0.00	100.00	100.00	0.00	N/A	0.50	1.00	1.81

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

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Bowen Hanes Fixed	2.19	60.41	26.66	1.43	-0.24	1.46	0.39	0.84
Fixed Income Policy	0.00	100.00	100.00	0.00	N/A	1.18	1.00	1.43



Standard

### Peer Group Analysis - IM U.S. Broad Market Core Fixed Income (SA+CF) 6.64 17.00 5.78 14.00 4.92 11.00 4.06 00 8.00 0 0 00 3.20 Return Return 00 00 2.34 5.00 00 00 00 1.48 2.00 0.62 0 -1.00 00 -0.24 0 0 -4.00 -1.10 -7.00 -1.96 Oct-2014 Oct-2013 Oct-2012 Oct-2011 Oct-2010 Oct-2009 To To To To 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 Rockwood Fixed -0.17 (10) -0.17 (10) 0.86 (41) 3.31 (68) 1.53 (71) 2.02 (97) 3.24 (89) Rockwood Fixed 3.76 (90) -1.80 (88) 4.83 (96) 5.25 8.28 (82) Fixed Income Policy 0.55 (73) 1.44 (81) 2.13 (93) 3.25 (89) Fixed Income Policy 2.94 (59) 5.16 (91) -0.57 (71) -0.57 (71) 3.22 (76) 3.96 (80) -1.68 (80) 5.26 (50) 8.73 (65) Median -0.46 -0.460.78 3.40 1.69 2.69 3.65 Median 3.02 4.50 -1.28 6.60 5.26 9.23 **Comparative Performance** 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr **Ending Ending Ending Ending** Ending **Ending** Sep-2015 Jun-2015 Mar-2015 Dec-2014 Sep-2014 Jun-2014



1.80

2.04 (72)

2.15

(92)

2.20 (2)

1.61 (74)

1.74

1.87 (22)

1.79

1.73

(39)

0.42 (14)

0.17 (66)

0.21

-2.11 (99)

-1.68 (71)

-1.60

0.99 (69)

(41)

1.23

1.15

Rockwood Fixed

Fixed Income Policy

IM U.S. Broad Market Core Fixed Income (SA+CF) Median

# 3 Yr Rolling Under/Over Performance - 5 Years 8.0 Over Performance 9.0 0.0 Under Performance 0.0 0.0 2.0 4.0 6.0 8.0 Fixed Income Policy (%)

X Latest Date

# 3 Yr Rolling Percentile Ranking - 5 Years 25.0 50.0 75.0 75.0 3/11 9/11 3/12 9/12 3/13 9/13 3/14 9/14 3/15 12/15

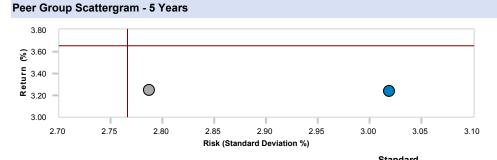
	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
<ul> <li>Rockwood Fixed</li> </ul>	14	0 (0%)	0 (0%)	1 (7%)	13 (93%)
<ul> <li>Fixed Income Policy</li> </ul>	20	0 (0%)	0 (0%)	4 (20%)	16 (80%)

# Peer Group Scattergram - 3 Years 1.80 1.71 1.62 1.62 1.53 1.44 2.68 2.72 2.76 2.80 2.84 2.88 2.92 Risk (Standard Deviation %)

Earliest Date

Under Performance

2.68	2.72	2.76	2.80	2.84	2.88	2.92
		Risk (S	tandard Deviation	%)		
		Retur	n		Standard Deviation	
<ul> <li>Rockwood F</li> </ul>	ixed	1.53			2.89	
<ul><li>Fixed Incom</li></ul>	ne Policy	1.44			2.72	
Median		1.69			2.80	



Return	Deviation
3.24	3.02
3.25	2.79
3.65	2.77
	3.24 3.25

Historical Statistics -	3 Years							
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Rockwood Fixed	0.52	103.70	102.65	0.04	0.17	0.51	1.03	1.88
Fixed Income Policy	0.00	100.00	100.00	0.00	N/A	0.50	1.00	1.81

Historical Statistics - 5 Years										
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk		
Rockwood Fixed	0.61	102.47	106.05	-0.23	0.00	1.08	1.07	1.53		
Fixed Income Policy	0.00	100.00	100.00	0.00	N/A	1.18	1.00	1.43		



Total Fund Policy			
Allocation Mandate	Weight (%)	Allocation Mandate	Weight (%)
Aug-1986		Jan-1999	
Citigroup 3 Month T-Bill Index	55.00	Russell 1000 Index	60.00
Russell 1000 Index	45.00	Barclays U.S. Gov't/Credit	35.00
		Citigroup 3 Month T-Bill Index	5.00
Jan-1988			
Russell 1000 Index	50.00	Apr-2000	
Barclays U.S. Gov't/Credit	45.00	Russell 1000 Index	65.00
Citigroup 3 Month T-Bill Index	5.00	Barclays U.S. Gov't/Credit	30.00
		Citigroup 3 Month T-Bill Index	5.00
Jul-1989			
Russell 1000 Index	55.00	Oct-2010	
Barclays U.S. Gov't/Credit	40.00	Russell 3000 Index	50.00
Citigroup 3 Month T-Bill Index	5.00	MSCI AC World ex USA	15.00
Jul-1990		Barclays Aggregate Index	35.00
Russell 1000 Index	60.00		
Barclays U.S. Gov't/Credit	35.00		
	5.00		
Citigroup 3 Month T-Bill Index	5.00		
Jul-1991			
Russell 1000 Index	55.00		
Barclays U.S. Gov't/Credit	20.00		
Citigroup 3 Month T-Bill Index	25.00		
olugioup o monar i 2m muox	_0.00		
Jan-1993			
Russell 1000 Index	45.00		
Barclays U.S. Gov't/Credit	15.00		
Citigroup 3 Month T-Bill Index	40.00		
Apr-1994			
Russell 1000 Index	50.00		
Barclays U.S. Gov't/Credit	35.00		
Citigroup 3 Month T-Bill Index	15.00		
Apr-1995			
Russell 1000 Index	65.00		
Barclays U.S. Gov't/Credit	25.00		
Citigroup 3 Month T-Bill Index	10.00		
Oragioup 3 Monai 1-Dill Illuex	10.00		
Jul-1996			
Russell 1000 Index	70.00		
Barclays U.S. Gov't/Credit	25.00		
Citigroup 3 Month T-Bill Index	5.00		
5 - F	<del>-</del>		



Total Rockwood Policy		
Allocation Mandate	Weight (%)	
Oct-2009		
Russell 3000 Index	60.00	
Barclays Aggregate Index	40.00	
Oct-2010		
Russell 3000 Index	65.00	
Barclays Aggregate Index	35.00	

Total Equity Policy		
Allocation Mandate	Weight (%)	
Aug-1986 Russell 1000 Index	100.00	
Oct-2010		
Russell 3000 Index	77.00	
MSCI AC World ex USA	23.00	

Total Fixed Income Policy		
Allocation Mandate	Weight (%)	
Jan-1973		
Barclays U.S. Gov't/Credit	100.00	
Oct-2010		
Barclays Aggregate Index	100.00	



Total Fund Compliance:									Yes	No	N/A
Equity Compliance:									Yes	No	N/A
Fixed Income Compliance:									Yes	No	N/A
Manager Compliance:	V. N.	N// A	V N .	N1/A					.,,	, N	N/A
	Yes No	N/A	Yes No	N/A	Yes N	IO N/	AYE	S NO	N/A	res N	o N/A



### **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.

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