Investment Performance Review Period Ending March 31, 2018

# **West Palm Beach General Employees' Restated Defined Benefit Retirement System**

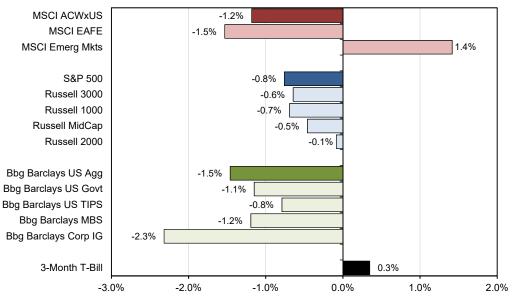


**1st Quarter 2018 Market Environment** 

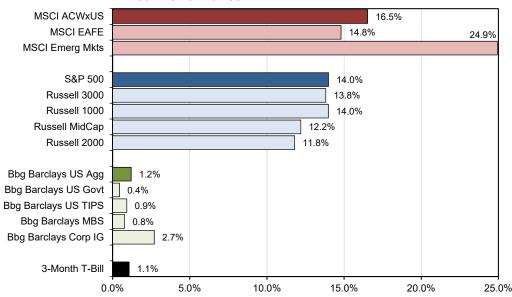


- Market returns were broadly negative across major equity and fixed income indices as we finished a highly volatile 1st quarter of 2018. Broad domestic and international equity markets pulled back modestly following a very strong 2017. Fixed income indices also posted negative results, producing returns in-line with those of equities during the quarter. However, when viewed over the past 1-year period, returns remain positive for major indices as improving macroeconomic data and robust corporate earnings worldwide outweighed the near-term market uncertainty. The US stock market represented by the Russell 3000 Index returned -0.6% and 13.8% for the quarter and 1-year period respectively. While the Russell 3000 outperformed the international MSCI ACWI ex US Index during the 1st quarter, international stocks have performed better over the last 12 months. While the US economy continues to show signs of expansion, investors focused on the future path of Federal Reserve (Fed) monetary policy and the emergence of new protectionist trade policies from the Trump administration during the quarter.
- International equity market benchmarks were mixed with developed markets posting modestly negative returns and emerging markets earning a slightly positive result. This is a continuation of the 2017 trend of emerging market outperformance relative to developed market equities. Emerging market stocks returned 1.4% and 24.9% over the quarter and 1-year period respectively. While the developed market MSCI EAFE Index lost ground through the 1st quarter, returning -1.5%, it still posted solid gains over the 1-year period returning 14.8%, narrowly outpacing major US indices. The strength in fundamentals abroad, ongoing US Dollar (USD) weakness and relatively accommodative global central bank policies continue to act as a tailwind to international markets relative to their US counterparts. Consequently, as the global recovery continues to take hold, international central banks have started to telegraph a greater likelihood of reduced stimulus in the future. Many international markets also saw their returns influenced, both positively and negatively, by ongoing political developments throughout the quarter.
- Interest rates on the US Treasury Yield Curve ended the 1st quarter of 2018 higher across all maturities. The movement in rates was considerable during the quarter as markets reacted to the greater likelihood of increasing inflation and a more restrictive than expected US monetary policy going forward. The Fed followed suit by increasing short-term interest rates by 25 basis points at their March meeting, the third increase in the last 12 months. The rising interest rate environment negatively impacted fixed income market returns for the quarter. The Bloomberg Barclays US Aggregate Index fell -1.5% for the quarter, but managed a positive 1.2% return for the 1-year period. Corporate credit reversed its 2017 trend of outperformance relative to other investment grade sectors returning -2.3% during the 1st quarter as credit spreads began to widen.

# **Quarter Performance**



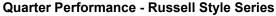
### 1-Year Performance

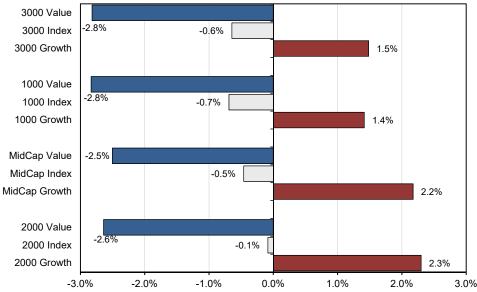




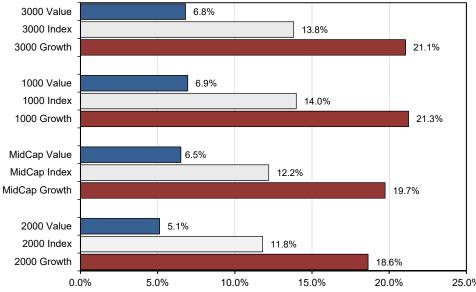
Source: Investment Metrics 2

- US equity index returns were mixed across the style and capitalization spectrum to start 2018 with growth indices being the best performers. Markets were highly volatile throughout the quarter. Investors initially cheered the passage of the republican party tax reforms containing reductions to both individual and corporate income tax rates, increasing expectations for consumer spending and corporate earnings going forward. However, high US wage growth in January raised investor concerns that inflation could be picking up more quickly than the market expected, and would therefore require increased Fed action to prevent overheating of the economy. Market volatility rose and the S&P 500 Index had its first correction since 2015, falling over 10%. The market began a recovery from its February low as later economic releases made it appear that fears over inflation had likely been overstated. However, volatility returned in March when the Trump administration announced a series of protectionist tariff policies, with emphasis placed on China, increasing the potential for a global trade war. Despite the considerable market volatility, most US economic data was positive during the quarter and congress passed a new federal budget deal that will increase government spending by about \$300 billion over the next two years which can be used to stimulate the economy over the short-term.
- During the quarter, small cap stocks outperformed mid and large cap equities. The small cap Russell 2000 Index returned -0.1% during the period, while the large cap Russell 1000 Index returned -0.7%. The opposite was true over the 1-year period as large cap names were the best performers. The Russell 1000 returned 14.0% over the trailing year while the Russell 2000 posted a return of 11.8%. This large cap outperformance can be partially explained by their greater exposure to foreign markets relative to small cap companies. This can be especially beneficial during periods of USD weakness, such as that experienced over the last year. Large cap companies generate more revenue outside of the US which can expose them to faster growing markets, foreign tax benefits or strengthening foreign currencies.
- Growth indices outperformed value indices across the market cap spectrum for the fifth straight quarter and were all able to post a positive return for the 1st quarter of 2018. Performance for growth indices more than doubled value index performance for each respective cap segment for the year. Growth benchmarks benefitted from larger exposures to more cyclical names within the information technology, consumer discretionary, health care and industrials sectors. They also benefitted from underweights to more defensive "bond proxy" sectors such as REITs, utilities and telecom. Lower exposure to the energy sector also acted as tailwind to growth benchmarks.





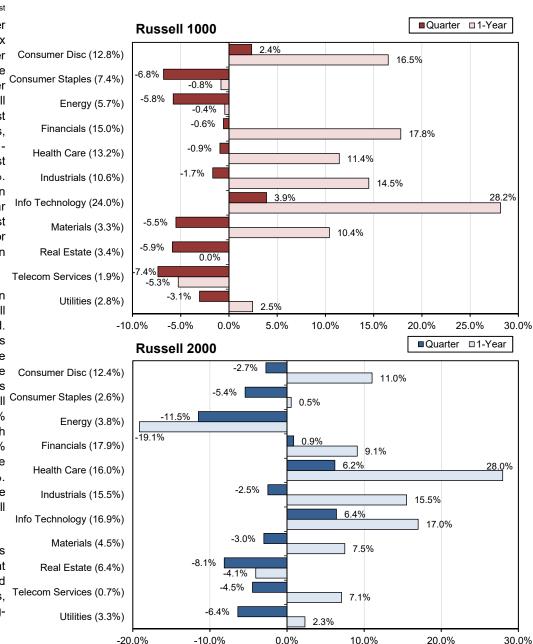
# 1-Year Performance - Russell Style Series





Source: Investment Metrics 3

- Sector performance was largely negative across large cap sectors for the 1st quarter of 2018. Only two of eleven sectors had positive returns for the quarter and only three of eleven economic sectors outpaced the Russell 1000 Index return. Cyclical sectors tended to do well through the guarter with the higher yielding bond proxy sectors lagging on a relative basis as interest rates rose sharply during the period. Technology stocks continued their 2017 gains over the quarter, gaining 3.9% and consumer discretionary stocks performed well on the back of a strong holiday season earning a 2.4% return. The largest detractors for the quarter were the more defensive telecom services. consumer staples and real estate sectors which returned -7.4%, -6.8% and -5.9% respectively. Over the trailing 1-year period, technology was the best performing sector by a relatively wide margin returning an impressive 28.2%. Consumer discretionary and financials also returned greater than 15%. Seven of eleven large cap economic sectors posted positive returns for the 1-year period with six posting double digit returns. Telecom services was the largest underperformer losing -5.3%. The three other sectors with negative returns for the trailing year (real estate, energy and consumer staples) fell by less than 1.0%.
- Small cap sector results were mixed relative to their large capitalization counterparts. Only three of eleven economic sectors outpaced the Russell 2000 Index return for the quarter and posted positive results for the period. Like the large cap index sector performance, higher dividend yielding sectors also tended to trail more economically sensitive sectors. Technology was the best performing sector returning 6.4%. However, there were several notable differences, particularly in consumer discretionary and energy where there was significant underperformance relative to their large cap counterparts. Small Consumer Staples (2.6%) cap sectors trailed large cap sectors in those two categorizations by over 5.0% during the guarter. Similarly, the small cap health care sector had much stronger performance than the large cap health care sector posting a 6.2% gain for the quarter. Over the 1-year period, nine of eleven sectors have posted gains with four of eleven sectors having returns greater than 10%. Health care stocks were the best performers within the Russell 2000 for the year returning a solid 28.0%. Energy and real estate were the only Russell 2000 sectors to post a negative return, falling -19.1% and -4.1% respectively.
- Using S&P 500 sector valuations as a proxy for the market, forward P/E ratios for eight of the GICS sectors were higher than their long-term averages at quarter-end. Using these historical P/E measures, the utilities, materials and energy sectors appear the most extended. In contrast the telecommunications, technology and health care sectors were trading at a discount to their long-term average P/E ratios.







	Top 10 W	eighted Stoc	ks	
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector
Apple Inc	3.41%	-0.5%	18.6%	Information Technology
Microsoft Corp	2.74%	7.2%	41.5%	Information Technology
Amazon.com Inc	2.33%	23.8%	63.3%	Consumer Discretionary
Berkshire Hathaway Inc B	1.54%	0.6%	19.7%	Financials
JPMorgan Chase & Co	1.52%	3.4%	28.0%	Financials
Facebook Inc A	1.51%	-9.4%	12.5%	Information Technology
Johnson & Johnson	1.38%	-7.7%	5.5%	Health Care
Exxon Mobil Corp	1.27%	-9.9%	-5.5%	Energy
Alphabet Inc C	1.25%	-1.4%	24.4%	Information Technology
Alphabet Inc A	1.24%	-1.5%	22.3%	Information Technology

	Top 10 W	eighted Stoc	ks	
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector
bluebird bio Inc	0.52%	-4.1%	87.8%	Health Care
MGIC Investment Corp	0.49%	-7.9%	28.3%	Financials
Sterling Bancorp	0.49%	-8.1%	-3.7%	Financials
Wintrust Financial Corp	0.49%	4.7%	25.5%	Financials
Umpqua Holdings Corp	0.48%	3.9%	25.1%	Financials
Idacorp Inc	0.45%	-2.7%	9.2%	Utilities
Hancock Holding Co	0.44%	4.9%	15.8%	Financials
LivaNova PLC	0.44%	10.7%	80.6%	Health Care
WGL Holdings Inc	0.44%	-2.0%	3.8%	Utilities
Radian Group Inc	0.42%	-7.6%	6.1%	Financials

То	p 10 Performii	ng Stocks (b	y Quarter)	
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector
XL Group Ltd	0.06%	57.8%	41.6%	Financials
Abiomed Inc	0.05%	55.3%	132.4%	Health Care
Netflix Inc	0.48%	53.9%	99.8%	Consumer Discretionary
Validus Holdings Ltd	0.02%	44.6%	23.1%	Financials
Herbalife Ltd	0.02%	43.9%	67.6%	Consumer Staples
Agios Pharmaceuticals Inc	0.02%	43.0%	40.0%	Health Care
Match Group Inc	0.01%	41.9%	172.1%	Information Technology
Square Inc A	0.05%	41.9%	184.7%	Information Technology
CSRA Inc	0.03%	38.6%	43.0%	Information Technology
DST Systems Inc	0.02%	34.8%	37.9%	Information Technology

Тор	10 Performir	ig Stocks (by	( Quarter)	
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector
Atara Biotherapeutics Inc	0.13%	115.5%	89.8%	Health Care
Iovance Biotherapeutics Inc	0.12%	111.3%	126.8%	Health Care
Cambium Learning Group Inc	0.01%	97.2%	128.6%	Consumer Discretionary
G1 Therapeutics Inc	0.01%	86.7%	N/A	Health Care
Arsanis Inc	0.00%	79.4%	N/A	Health Care
Eastman Kodak Co	0.00%	72.6%	-53.5%	Information Technology
American Public Education Inc	0.07%	71.7%	87.8%	Consumer Discretionary
Infinera Corp	0.16%	71.6%	6.2%	Information Technology
Novavax Inc	0.04%	69.4%	64.1%	Health Care
WMIH Corp	0.03%	67.2%	-2.1%	Financials

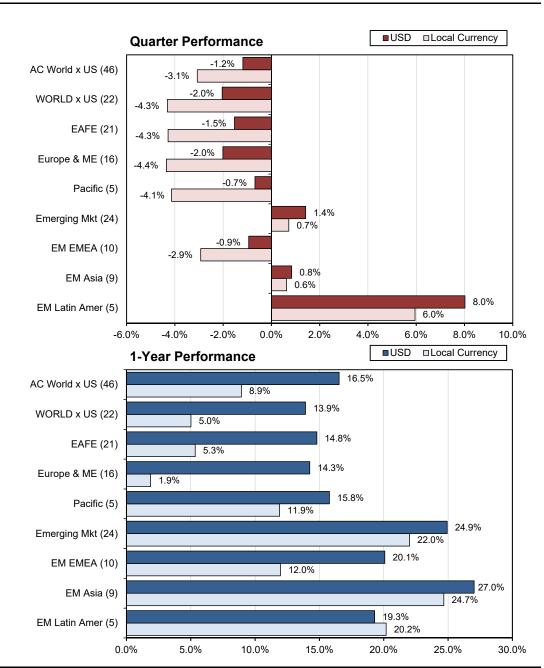
Botton	n 10 Perform	ing Stocks (	by Quarter)	
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector
Colony NorthStar Inc A	0.01%	-49.8%	-52.7%	Real Estate
Weatherford International PLC	0.01%	-45.1%	-65.6%	Energy
Akorn Inc	0.01%	-41.9%	-22.3%	Health Care
Universal Display Corp	0.02%	-41.5%	17.4%	Information Technology
Macquarie Infrastructure Corp	0.01%	-40.3%	-49.7%	Industrials
Patterson Companies Inc	0.01%	-38.0%	-49.6%	Health Care
Mallinckrodt PLC	0.01%	-35.8%	-67.5%	Health Care
L Brands Inc	0.04%	-35.8%	-14.5%	Consumer Discretionary
OPKO Health Inc	0.00%	-35.3%	-60.4%	Health Care
Coherent Inc	0.02%	-33.6%	-8.9%	Information Technology

Botton	n 10 Perform	ning Stocks (	by Quarter)	
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector
Dermira Inc	0.01%	-71.3%	-76.6%	Health Care
Ascent Capital Group Inc A	0.00%	-68.0%	-74.0%	Consumer Discretionary
Roadrunner Transportation Systems Inc	0.01%	-67.1%	-63.0%	Industrials
Tintri Inc	0.00%	-66.5%	N/A	Information Technology
Westmoreland Coal Co	0.00%	-66.1%	-97.2%	Energy
Protagonist Therapeutics Inc	0.01%	-58.7%	-32.9%	Health Care
RAIT Financial Trust	0.00%	-56.9%	-94.5%	Real Estate
Ultra Petroleum Corp	0.08%	-54.0%	-67.4%	Energy
Melinta Therapeutics Inc	0.01%	-53.2%	-60.5%	Health Care
Tetraphase Pharmaceuticals Inc	0.02%	-51.3%	-66.6%	Health Care

Source: Morningstar Direct 5



- Similar to domestic equities, broad international equity returns pulled back during the 1st quarter. Performance was largely driven by the same catalysts as the US equity markets, as global macroeconomic data remained generally positive. US investors in international markets had a currency effect tailwind as the USD continued its 2017 fall, weakening against most other currencies during the 1st quarter. The MSCI ACWI ex US Index lost -1.2% in USD terms and -3.1% in local currency terms. Emerging markets were a bright spot for the quarter with the MSCI Emerging Markets Index finishing with a slight gain. The returns over the 1-year period are substantially better with MSCI ACWI ex US returning 16.5% in USD terms and 8.9% in local currency terms.
- Results for developed market international indices were negative to start 2018 in both USD and local currency terms with the MSCI EAFE Index returning -1.5% and -4.3% respectively. Investors ignored broadly positive global economic data, focusing their attention on US monetary policy uncertainty and the outlook for global trade relations. There were several newsworthy political events during the quarter. In Europe, Italian elections resulted in a hung parliament with the populist Five Star Movement winning the largest number of seats. There is currently no clear path for a coalition government to be formed and it is possible elections may need to be re-held. In contrast, German Chancellor Merkel succeeded in forming a "grand coalition" government during March. In the UK, continued progress was made on "Brexit" as the UK and European Union were able to agree to initial terms on a transition period following the UK's separation that should allow for an orderly withdrawal. In Japan, Prime Minister Abe was engulfed in a scandal regarding a discounted land sale to a school operator with ties to his wife and its subsequent coverup. The MSCI EAFE Index returned 14.8% and 5.3% for the last twelve months in USD and local currency terms respectively.
- The MSCI Emerging Market Index outperformed developed markets for the 1st quarter, posting a narrow gain of 1.4% and 0.7% in USD and local currency terms respectively. While emerging markets were also affected by the rise in global market volatility, strong GDP and corporate earnings growth combined with USD weakness helped them to finish the quarter ahead. China modestly outperformed despite late quarter trade tensions with the US. Brazil was the index's strongest performer, returning 12.4% in USD terms, after former President Lula da Silva had a corruption and money laundering conviction upheld, likely preventing him from running for office again and opening the door for future economic reforms. Russian equities also performed well after Standard & Poor's raised the countries credit rating to investment grade for the first time in over a decade citing prudent policy responses to sanctions and falling commodity prices. Indian stocks underperformed after fraud allegations emerged at a state-run bank. One year returns for the MSCI Emerging Market Index were 24.9% in USD terms and 22.0% in terms of local currency.



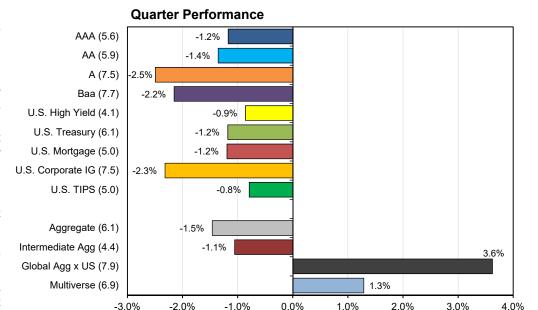


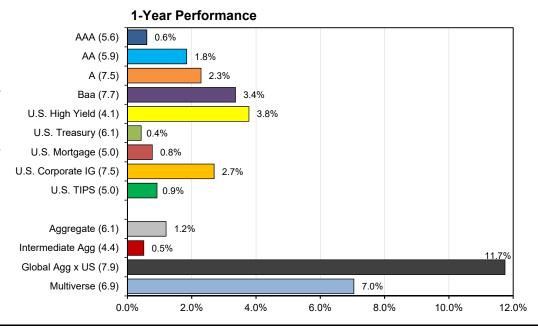
MSCI - EAFE	Sector Weight	Quarter Return	1-Year Return
Consumer Discretionary	12.6%	0.7%	19.2%
Consumer Staples	11.1%	-3.0%	10.4%
Energy	5.3%	-2.0%	21.4%
Financials	21.1%	-2.2%	13.6%
Health Care	10.2%	-0.9%	7.0%
Industrials	14.6%	-1.5%	17.4%
Information Technology	6.6%	1.1%	26.2%
Materials	8.0%	-3.8%	19.8%
Real Estate	3.5%	-1.5%	13.1%
Telecommunication Services	3.8%	-3.9%	3.1%
Utilities	3.3%	1.3%	12.1%
Total	100.0%	-1.5%	14.8%
MSCI - ACWIXUS	Sector Weight	Quarter Return	1-Year Return
Consumer Discretionary	11.4%	-1.0%	18.6%
Consumer Staples	9.5%	-2.8%	11.0%
Energy	6.7%	-1.8%	15.4%
Financials	23.1%	-1.1%	15.9%
Health Care	7.7%	-0.3%	9.1%
Industrials	11.8%	-1.6%	16.3%
Information Technology	11.8%	1.8%	34.3%
Materials	8.0%	-2.9%	18.4%
Real Estate	3.2%	-1.7%	16.5%
Telecommunication Services	3.9%	-4.1%	3.6%
Utilities	3.0%	1.2%	10.9%
Total	100.0%	-1.2%	16.5%
MSCI - Emerging Mkt	Sector Weight	Quarter Return	1-Year Return
Consumer Discretionary	9.5%	-6.1%	16.5%
Consumer Staples	6.4%	-0.8%	15.8%
Energy	7.2%	7.5%	24.7%
Financials	24.0%	4.2%	25.6%
Health Care	2.8%	7.0%	34.6%
Industrials	5.2%	-0.8%	10.1%
Information Technology	27.8%	2.1%	40.1%
Materials	7.3%	0.7%	20.0%
Real Estate	2.8%	-2.1%	32.5%
Telecommunication Services	4.6%	-3.7%	4.5%
Utilities	2.4%	3.0%	9.2%
Total	100.0%	1.4%	24.9%

0	MSCI-EAFE	MSCI-ACWIXUS	Quarter	1- Year
Country	Weight	Weight	Return	Return
Japan	24.6%	16.8%	0.8%	19.6%
United Kingdom	17.3%	11.8%	-3.9%	11.9%
France	10.9%	7.5%	0.3%	20.4%
Germany	9.7%	6.6%	-3.6%	13.6%
Switzerland	7.8%	5.3%	-4.3%	8.2%
Australia	6.6%	4.5%	-6.2%	1.4%
Netherlands	3.7%	2.5%	1.0%	19.9%
Hong Kong	3.6%	2.5%	-1.4%	18.4%
Spain	3.2%	2.2%	-1.7%	8.8%
Sweden	2.7%	1.8%	-2.4%	7.6%
Italy	2.5%	1.7%	5.4%	27.5%
Denmark	1.8%	1.2%	-1.5%	25.1%
Singapore	1.4%	0.9%	2.8%	22.8%
Belgium	1.1%	0.8%	0.5%	13.3%
Finland	1.0%	0.7%	8.2%	23.5%
Norway	0.7%	0.5%	2.3%	29.3%
Ireland	0.5%	0.3%	-5.9%	7.2%
Israel	0.5%	0.3%	-5.3%	-8.4%
Austria	0.3%	0.2%	2.2%	48.5%
New Zealand	0.2%	0.1%	-5.1%	4.0%
Portugal	0.2%	0.1%	3.1%	17.9%
Total EAFE Countries	100.0%	68.3%	-1.5%	14.8%
Canada		6.2%	-7.4%	4.9%
Total Developed Countries		74.5%	-2.0%	13.9%
China		7.6%	1.8%	38.9%
Korea		3.9%	-0.5%	25.4%
Taiwan		3.0%	5.7%	20.6%
India		2.1%	-7.0%	10.2%
Brazil		1.9%	12.4%	26.4%
South Africa		1.7%	-4.2%	25.0%
Russia		0.9%	9.4%	20.6%
Mexico		0.7%	0.9%	0.9%
Malaysia		0.6%	8.5%	25.3%
Thailand		0.6%	9.0%	35.0%
Indonesia		0.5%	-7.2%	7.8%
Chile		0.3%	1.5%	24.5%
Poland		0.3%	-8.2%	20.7%
Philippines		0.3%	-11.6%	3.8%
Turkey		0.3%	-5.0%	18.6%
United Arab Emirates		0.2%	-1.0%	-0.4%
Qatar		0.1%	2.5%	-11.0%
Colombia		0.1%	4.9%	15.4%
Peru		0.1%	10.3%	44.7%
Greece		0.1%	-6.8%	24.3%
Hungary		0.1%	-1.0%	38.6%
Czech Republic		0.1%	6.4%	36.4%
Egypt		0.0%	10.9%	14.5%
Pakistan		0.0%	11.4%	-14.0%
Total Emerging Countries		25.5%	1.4%	24.9%
Total ACWIxUS Countries		100.0%	-1.2%	16.5%



- Broad fixed income benchmarks were mostly negative during the 1st quarter, with international bonds being the exception. Early in the guarter, particularly strong January wage growth report caused investors to speculate that inflation was quickly increasing and that the Fed would need to tighten monetary policy to a greater degree than originally planned. This sent a shock through financial markets and caused interest rates to rise considerably. Economic releases later in the guarter showed that the fear of inflation was most likely overstated. Later in the quarter, the Federal Open Market Committee (FOMC), led by new Fed Chair Jerome Powell, decided to increase short-term interest rates by 25 basis points. The current Fed Funds Rate target sits at 1.50% - 1.75%. This rate increase was expected by the market and, importantly, the Fed did not change its plan for further rate increases for 2018. Concerns over new Treasury issuance needed to finance plans for increased fiscal spending also could have contributed to the rise in interest rates. The yield curve flattened through the quarter as short-term yields rose at a greater rate than longer-term yields. The Bloomberg Barclays US Aggregate Index fell -1.5% the guarter, but managed a positive 1.2% return for the trailing year.
- Within investment grade credit, higher quality corporate issues generally outperformed lower quality issues for the quarter as credit spreads widened and investors looked for safety amid increased financial market volatility. AAA rated credit was the best performing investment grade credit quality segment returning -1.2% for the quarter. Interestingly, high yield debt outperformed relative to investment grade credit, returning -0.9%, as spreads widened to a lesser degree for these issues and the index benefitted from a lower duration. Part of the reason for the increased spread widening for investment grade issues relative to high yield issues was selling pressure from companies repatriating foreign cash reserves in response to the new tax code. When viewed over the 1-year period, lower quality issues have advanced to a greater degree, partly due to the continued strength in the global economy. High yield debt returned 3.8% over the period whereas AAA rated issues returned 0.6%.
- US Treasury securities were the best performing investment grade sector through the quarter, narrowly outperforming US mortgage backed securities (MBS). This reversed the trend of corporate credit outperformance that was witnessed through 2017 as investors reacted to market volatility and moved into higher quality government issues. The Bloomberg Barclays US Corporate IG Index returned -2.3% for the quarter as widening credit spreads and a higher duration acted as headwinds to these issues. US Treasury and US MBS both posted a -1.2%. However, over the trailing year, Treasury securities were the worst performing investment grade sector returning 0.4%, while US investment grade corporate bonds were the best performing investment grade sector gaining 2.7%.



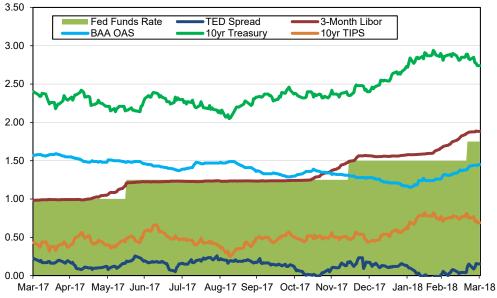




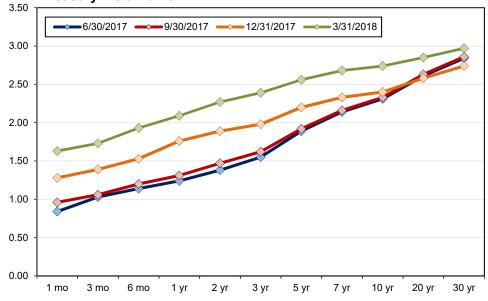
Source: Bloomberg 8

- In contrast to their domestic counterparts, global fixed income indices posted gains for the guarter. Global benchmarks are impacted by the same local yield and duration factors as domestic benchmarks. While these indices have relatively high durations, which would have acted as a headwind in the current quarter as interest rates increased, the returns of these indices are also significantly influenced by fluctuations in their currency denomination relative to the USD. This currency effect can add additional return to foreign issues as it did during calendar year 2017, or it can further exacerbate negative performance as it did in 2016. Global bonds outperformed domestic issues during the quarter and 1-year period partially due to a currency effect tailwind caused by a weakening USD. Returns on global bonds represented by the Bloomberg Barclays Global Aggregate ex US Index were 3.6% and 11.7% for the 1st guarter and trailing twelve months respectively. As the global economy continues to recover, several international central banks have started to move toward a less accommodative posture. Notably, the ECB, has extended its current quantitative easing program well into 2018, but has reduced the amount of monthly asset purchases from 60 billion euro per month to 30 billion euro per month. They also signaled that they would end the program entirely if the eurozone recovery continues to flourish. Similarly, the Bank of Japan (BoJ) inferred that they could end their quantitative easing program sometime in 2019 if target metrics were met. Lastly, the BoE voted to raise interest rates for the first time in a decade during the 4th quarter of 2017 and indicated rates may rise again more quickly than expected.
- 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 yield (green line) rose significantly during the 1st quarter, rising from 2.40%, to a peak of 2.94%, before falling to 2.74% to end the period. The blue line illustrates changes in the BAA OAS (Option Adjusted Spread). This measure quantifies the additional yield premium that investors require to purchase and hold non-Treasury issues. This line illustrates a steady decline in credit spreads throughout 2017. However, the trend begins to reverse in early February. This increase is equivalent to an interest rate increase on corporate bonds, which produces a headwind for corporate bond index returns. These credit spreads have widened by about 17 basis points over the last 3-months. The green shading at the bottom of the graph illustrates the gradual increase in the Federal Funds Rate due to a less accommodative US monetary policy.
- The lower graph provides a snapshot of the US Treasury yield curve at the end of each of the last four calendar quarters. As mentioned, the yield curve continues to flatten as yields on shorter-term maturities have risen more than interest rates on the long end of the curve. The significant upward shift in interest rates that occurred in the 1st quarter is clearly visible.

# 1-Year Trailing Market Rates



### **Treasury Yield Curve**





Total Fund Compliance	Yes	No	N/A
Total Fund Compliance:	ies	NO	N/A
The Total Plan return equaled or exceeded the 7.5% actuarial earnings assumption over the trailing three and five year periods		•	
The Total Plan return equaled or exceeded the total plan benchmark over the trailing three year period.	•		
The Total Plan return equaled or exceeded the total plan benchmark over the trailing five year period.	•		
The Total Plan return ranked within the top 40th percentile of its peer group over the trailing three year period.	•		
The Total Plan return ranked within the top 40th percentile of its peer group over the trailing five year period.	•		
Equity Compliance:	Yes	No	N/A
Total equity returns meet or exceed the benchmark over the trailing three and five year periods.		•	
Total equity returns ranked within the top 40th percentile of its peer group over the trailing three and five year periods.			•
The total equity allocation was less than 75% of the total plan assets at market.	•		
Total foreign equity was less than 25% of the total plan assets at market.	•		

Yes	No	N/A
•		
		•
•		
•		
	Yes  •	Yes No  • •



	[	Dana-EQ		Argent-DE			Clarkston			VG	Inst In	dex			
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A
Manager outperformed the index over the trailing three and five year periods.		•			•				•			•			
Manager ranked within the top 40%-tile over trailing three and five year periods.		•			•				•			•			
Less than four consecutive quarters of under performance relative to the benchmark.	•			•					•			•			
Three and five-year downside capture ratios less than 100%		•			•				•			•			
Manager maintained style consistency for the mandate	•			•			•			•					
Manager maintained low turnover in portfolio team or senior management.	•			•			•			•					
Benchmark and index remained the same for the portfolio.	•			•			•			•					
Manager sustained compliance with IPS.	•			•			•			•					
No investigation by SEC was conducted on the manager.	•			•			•			•					
Manager did not experience significant asset flows into or out of the company.	•			•			•			•					
Manager is charging the same fee.	•			•			•			•					
No reported servicing issues with manager.	•			•			•			•					

	I	RBC Int'l		Transamerica-3			Garcia			Templeton GB			Pimco-Div-3		
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A
Manager outperformed the index over the trailing three and five year periods.	•			•			•				•		•		
Manager ranked within the top 40%-tile over trailing three and five year periods.	•			•				•		•			•		
Less than four consecutive quarters of under performance relative to the benchmark.	•			•			•			•			•		
Three and five-year downside capture ratios less than 100%	•			•			•			•			•		
Manager maintained style consistency for the mandate	•			•			•			•			•		
Manager maintained low turnover in portfolio team or senior management.	•			•			•			•			•		
Benchmark and index remained the same for the portfolio.	•			•			•			•			•		
Manager sustained compliance with IPS.	•			•			•			•			•		
No investigation by SEC was conducted on the manager.	•			•			•			•			•		
Manager did not experience significant asset flows into or out of the company.	•			•			•			•			•		
Manager is charging the same fee.	•			•			•			•			•		
No reported servicing issues with manager.	•			•			•			•			•		

<sup>\*</sup>The 3 & 5 year periods used for evaluation represent the historical performance of composite portfolios. As such, this data represents a combination of current managers, strategies and allocations as well as the realized performance of terminated portfolios and prior allocation strategies.



	WW	/ Opp F	und	Ame	rican R	Realty									
	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A
Manager outperformed the index over the trailing three and five year periods.			•			•									
Manager ranked within the top 40%-tile over trailing three and five year periods.			•			•									
Less than four consecutive quarters of under performance relative to the benchmark.		•		•											
Three and five-year downside capture ratios less than 100%			•			•									
Manager maintained style consistency for the mandate	•			•											
Manager maintained low turnover in portfolio team or senior management.	•			•											
Benchmark and index remained the same for the portfolio.	•			•											
Manager sustained compliance with IPS.	•			•											
No investigation by SEC was conducted on the manager.	•			•											
Manager did not experience significant asset flows into or out of the company.	•			•											
Manager is charging the same fee.	•			•											
No reported servicing issues with manager.	•			•											

	Yes	No	N/A												
Manager outperformed the index over the trailing three and five year periods.															
Manager ranked within the top 40%-tile over trailing three and five year periods.															
Less than four consecutive quarters of under performance relative to the benchmark.															
Three and five-year downside capture ratios less than 100%															
Manager maintained style consistency for the mandate															
Manager maintained low turnover in portfolio team or senior management.															
Benchmark and index remained the same for the portfolio.															
Manager sustained compliance with IPS.															
No investigation by SEC was conducted on the manager.															
Manager did not experience significant asset flows into or out of the company.															
Manager is charging the same fee.															
No reported servicing issues with manager.											•				

<sup>\*</sup>The 3 & 5 year periods used for evaluation represent the historical performance of composite portfolios. As such, this data represents a combination of current managers, strategies and allocations as well as the realized performance of terminated portfolios and prior allocation strategies.

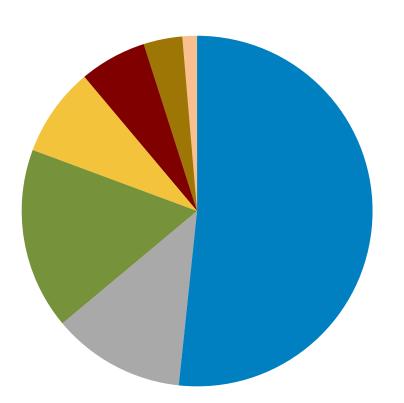


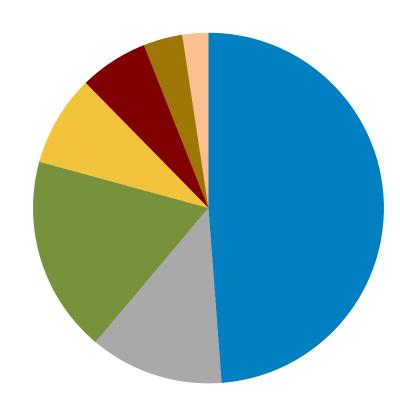
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Asset Allocation By Segment as of December 31, 2017 : \$47,279,027

Asset Allocation By Segment as of March 31, 2018 : \$46,502,778



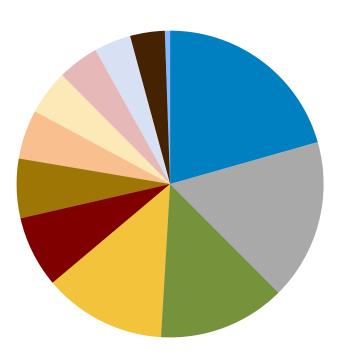


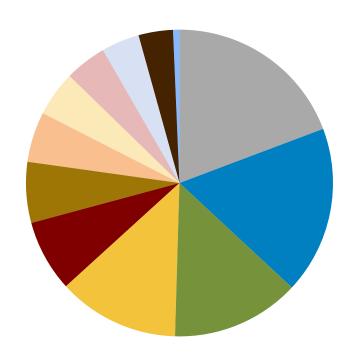
cation			Allocation		
Segments	Market Value	Allocation	Segments	Market Value	Allocation
■ Domestic Equity	24,428,977	51.7	Domestic Equity	22,697,435	48.8
International Equity	5,793,268	12.3	International Equity	5,730,422	12.3
■ Domestic Fixed Income	7,912,387	16.7	Domestic Fixed Income	8,426,781	18.1
Global Fixed Income	3,890,271	8.2	Global Fixed Income	3,908,115	8.4
■ Real Estate	2,925,346	6.2	Real Estate	2,946,751	6.3
Real Return	1,689,690	3.6	Real Return	1,679,480	3.6
Cash Equivalent	639,088	1.4	Cash Equivalent	1,113,795	2.4



Asset Allocation By Manager as of December 31, 2017 : \$47,279,027

Asset Allocation By Manager as of March 31, 2018 : \$46,502,778



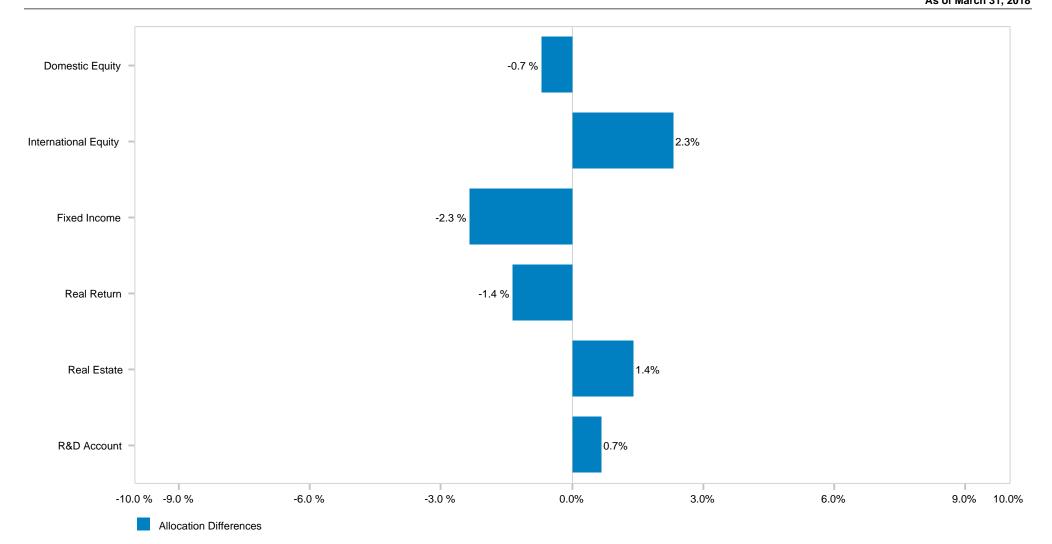


ocation			Allocation		
	Market Value	Allocation		Market Value	Allocation
■ Vanguard Inst Index (VINIX)	9,733,065	20.6	■ Garcia Hamilton Fixed	8,954,215	19.3
■ Garcia Hamilton Fixed	8,008,494	16.9	Vanguard Inst Index (VINIX)	8,218,113	17.7
■ Dana Investment Advisors Equity Portfolio	6,345,594	13.4	Dana Investment Advisors Equity Portfolio	6,293,159	13.5
Argent Capital Growth Portfolio	6,109,705	12.9	Argent Capital Growth Portfolio	5,946,673	12.8
■ RBC Int'l (Voyageur)	3,564,789	7.5	■ RBC Int'l (Voyageur)	3,514,116	7.6
American Core Realty	2,960,961	6.3	American Core Realty	2,982,407	6.4
Clarkston Partners, Inst (CISMX)	2,450,619	5.2	Clarkston Partners, Inst (CISMX)	2,467,996	5.3
Transamerica Int'l Equity R6 (TAINX)	2,228,479	4.7	Transamerica Int'l Equity R6 (TAINX)	2,216,306	4.8
■ PIMCO Diversified (PDIIX)	2,054,233	4.3	■ PIMCO Diversified (PDIIX)	2,041,893	4.4
Templeton Global Total Return (FTTRX) R6	1,836,038	3.9	Templeton Global Total Return (FTTRX) R6	1,866,223	4.0
■ Westwood Income Opportunity Fund (WHGIX)	1,726,328	3.7	■ Westwood Income Opportunity Fund (WHGIX)	1,688,358	3.6
R&D Account	260,721	0.6	R&D Account	313,320	0.7



Asset Allocation										
	Mar-20	018	Dec-2	017	Sep-2	017	Jun-2	017	Mar-2	017
	(\$)	%	(\$)	%	(\$)	%	(\$)	%	(\$)	%
Total Fund	46,502,778	100.00	47,279,027	100.00	46,063,581	100.00	44,997,637	100.00	44,835,849	100.00
Total Equity	28,656,363	61.62	30,432,252	64.37	29,382,562	63.79	28,506,538	63.35	28,023,180	62.50
Total Domestic Equity	22,925,942	49.30	24,638,984	52.11	23,855,955	51.79	23,262,244	51.70	23,081,241	51.48
Dana Investment Advisors Equity	6,293,159	13.53	6,345,594	13.42	5,874,239	12.75	6,174,288	13.72	6,141,965	13.70
Argent Capital Growth Portfolio	5,946,673	12.79	6,109,705	12.92	6,294,844	13.67	5,901,860	13.12	6,033,699	13.46
Clarkston Partners, Inst (CISMX)	2,467,996	5.31	2,450,619	5.18	2,348,818	5.10	2,248,100	5.00	2,234,797	4.98
Vanguard Inst Index (VINIX)	8,218,113	17.67	9,733,065	20.59	9,338,054	20.27	8,937,996	19.86	8,670,780	19.34
Fotal International	5,730,422	12.32	5,793,268	12.25	5,526,607	12.00	5,244,295	11.65	4,941,939	11.02
RBC Int'l (Voyageur)	3,514,116	7.56	3,564,789	7.54	3,387,621	7.35	3,180,594	7.07	2,993,380	6.68
ransamerica Int'l Equity R6 (TAINX)	2,216,306	4.77	2,228,479	4.71	2,138,986	4.64	2,063,701	4.59	1,948,559	4.35
Total Fixed Income	12,862,330	27.66	11,898,765	25.17	11,846,124	25.72	11,743,784	26.10	11,919,443	26.58
Total Domestic Fixed Income	8,954,215	19.26	8,008,494	16.94	7,939,520	17.24	7,908,508	17.58	7,812,872	17.43
Garcia Hamilton Fixed	8,954,215	19.26	8,008,494	16.94	7,939,520	17.24	7,908,508	17.58	7,812,872	17.43
otal Global Fixed Income	3,908,115	8.40	3,890,271	8.23	3,906,604	8.48	3,835,276	8.52	4,106,570	9.16
empleton Global Total Return (FTTRX) R6	1,866,223	4.01	1,836,038	3.88	1,868,365	4.06	1,841,531	4.09	2,010,627	4.48
PIMCO Diversified (PDIIX)	2,041,893	4.39	2,054,233	4.34	2,038,239	4.42	1,993,745	4.43	2,095,943	4.67
Real Return Composite	1,688,358	3.63	1,726,328	3.65	1,670,415	3.63	1,647,959	3.66	1,860,769	4.15
Vestwood Income Opportunity Fund (WHGIX)	1,688,358	3.63	1,726,328	3.65	1,670,415	3.63	1,647,959	3.66	1,860,769	4.15
otal Real Estate Composite	2,982,407	6.41	2,960,961	6.26	2,954,167	6.41	2,907,568	6.46	2,859,260	6.38
American Core Realty	2,982,407	6.41	2,960,961	6.26	2,954,167	6.41	2,907,568	6.46	2,859,260	6.38
&D Account	313,320	0.67	260,721	0.55	210,313	0.46	191,788	0.43	173,197	0.39





	Market Value \$	Allocation (%)	Target (%)
Domestic Equity	22,925,942	49.3	50.0
International Equity	5,730,422	12.3	10.0
Fixed Income	12,862,330	27.7	30.0
Real Return	1,688,358	3.6	5.0
Real Estate	2,982,407	6.4	5.0
R&D Account	313,320	0.7	0.0
Total Fund	46,502,778	100.0	100.0



Financial Reconciliation									
	Market Value 01/01/2018	Net Transfers	Contributions	Distributions	Management Fees	Other Expenses	Income	Apprec./ Deprec.	Market Value 03/31/2018
Total Fund	47,279,027	-	19,112	-775,000	-43,667	-3,629	249,447	-222,512	46,502,778
Total Equity	30,432,252	-1,500,000	-	-275,000	-30,437	-594	110,300	-80,157	28,656,363
Total Domestic Equity	24,638,984	-1,500,000	-	-275,000	-30,437	-	87,068	5,327	22,925,942
Dana Investment Advisors Equity	6,345,594	-	-	-	-19,857	-	32,333	-64,910	6,293,159
Argent Capital Growth Portfolio	6,109,705	-	-	-275,000	-10,580	-	16,752	105,795	5,946,673
Clarkston Partners, Inst (CISMX)	2,450,619	-	-	=	=	-	2	17,376	2,467,996
Vanguard Inst Index (VINIX)	9,733,065	-1,500,000	-	-	-	-	37,982	-52,934	8,218,113
Total International	5,793,268	-	-	-	-	-594	23,231	-85,483	5,730,422
RBC Int'l (Voyageur)	3,564,789	-	-	-	-	-594	23,231	-73,310	3,514,116
Transamerica Int'l Equity R6 (TAINX)	2,228,479	-	-	-	-	-	-	-12,173	2,216,306
Total Fixed	11,898,765	1,000,000	-	-	-5,005	-	85,390	-116,819	12,862,330
Total Domestic Fixed Income	8.008,494	1,000,000	_	-	-5,005	_	47,445	-96,719	8,954,215
Garcia Hamilton Fixed	8,008,494	1,000,000	-	-	-5,005	-	47,445	-96,719	8,954,215
Total Global Fixed Income	3,890,271	_	_	_	_	_	37,945	-20,100	3,908,115
Templeton Global Total Return (FTTRX) R6	1,836,038	_	-	_	-	<u>-</u>	16,351	13,834	1,866,223
PIMCO Diversified (PDIIX)	2,054,233	-	-	-	-	-	21,594	-33,934	2,041,893
Real Return Composite	1,726,328	-	-	-	-	-	8,971	-46,941	1,688,358
Westwood Income Opportunity Fund (WHGIX)	1,726,328	-	-	-	-	-	8,971	-46,941	1,688,358
Total Real Estate Composite	2,960,961	-35,615	-	-	-8,224	-	43,880	21,405	2,982,407
American Core Realty	2,960,961	-35,615	-	-	-8,224	-	43,880	21,405	2,982,407
R&D Account	260,721	535,615	19,112	-500,000	-	-3,034	906	-	313,320



Financial Reconciliation									
	Market Value 10/01/2017	Net Transfers	Contributions	Distributions	Management Fees	Other Expenses	Income	Apprec./ Deprec.	Market Value 03/31/2018
Total Fund	46,063,581	-	36,426	-1,400,000	-67,595	-7,168	619,719	1,257,815	46,502,778
Total Equity	29,382,562	-1,725,000	-	-675,000	-41,237	-1,182	315,335	1,400,886	28,656,363
Total Domestic Equity	23,855,955	-1,725,000	-	-675,000	-41,237	-	213,448	1,297,776	22,925,942
Dana Investment Advisors Equity	5,874,239	-	-	-	-19,857	-	64,253	374,524	6,293,159
Argent Capital Growth Portfolio	6,294,844	-	-	-675,000	-21,380	-	30,961	317,247	5,946,673
Clarkston Partners, Inst (CISMX)	2,348,818	-	-	-	-	-	31,491	87,688	2,467,996
Vanguard Inst Index (VINIX)	9,338,054	-1,725,000	-	-	-	-	86,742	518,317	8,218,113
Total International	5,526,607	-	-	-	-	-1,182	101,887	103,109	5,730,422
RBC Int'l (Voyageur)	3,387,621	-	-	-	-	-1,182	35,226	92,450	3,514,116
Transamerica Int'l Equity R6 (TAINX)	2,138,986	-	-	-	-	-	66,661	10,659	2,216,306
Total Fixed	11,846,124	1,000,000	-	-	-9,969	-	169,609	-143,434	12,862,330
Total Domestic Fixed Income	7,939,520	1,000,000	-	-	-9,969	_	96,418	-71,754	8,954,215
Garcia Hamilton Fixed	7,939,520	1,000,000	-	-	-9,969	-	96,418	-71,754	8,954,215
Total Global Fixed Income	3,906,604	-	-	-	-	-	73,191	-71,680	3,908,115
Templeton Global Total Return (FTTRX) R6	1,868,365	-	-	-	-	-	28,019	-30,161	1,866,223
PIMCO Diversified (PDIIX)	2,038,239	-	-	=	-	-	45,173	-41,519	2,041,893
Real Return Composite	1,670,415	-	-	-	-	-	45,630	-27,687	1,688,358
Westwood Income Opportunity Fund (WHGIX)	1,670,415	-	-	-	-	-	45,630	-27,687	1,688,358
Total Real Estate Composite	2,954,167	-71,083	-	-	-16,389	-	87,661	28,051	2,982,407
American Core Realty	2,954,167	-71,083	<u>-</u>	-	-16,389	-	87,661	28,051	2,982,407
R&D Account	210,313	796,083	36,426	-725,000	-	-5,986	1,485	-	313,320



Comparative Performance													
	Q	ΓR	FY	TD	1 \	/R	3 \	<b>r</b>	5 \	/R	Incep	otion	Inception Date
Total Fund Portfolio (Net)	-0.15		3.83		10.42		6.49		9.15		8.46		02/01/2003
Total Fund Policy	-0.76		3.26		9.65		6.90		8.29		7.45		
Difference	0.61		0.57		0.77		-0.41		0.86		1.01		
Total Fund Portfolio (Gross)	-0.06	(30)	3.98	(24)	10.80	(36)	6.97	(27)	9.59	(3)	8.77	(7)	02/01/2003
Total Fund Policy	-0.76	(83)	3.26	(57)	9.65	(65)	6.90	(30)	8.29	(32)	7.45	(61)	
Difference	0.70		0.72		1.15		0.07		1.30		1.32		
All Public Plans-Total Fund Median	-0.32		3.37		10.21		6.37		7.85		7.62		
Total Equity	-0.09		5.69		15.16		9.01		12.62		9.62		04/01/2008
Total Equity Policy	-0.75		5.28		14.37		9.45		11.38		8.09		
Difference	0.66		0.41		0.79		-0.44		1.24		1.53		
Total Fixed Income	-0.29		0.19		2.27		2.39		3.08		4.70		02/01/2003
Total Fixed Income Policy	-1.46		-1.08		1.20		1.20		1.82		3.92		
Difference	1.17		1.27		1.07		1.19		1.26		0.78		
Real Return Composite	-2.20	(83)	1.07	(64)	4.58	(71)	N/A		N/A		3.89	(48)	05/01/2015
Real Return Policy	-1.03	(50)	2.42	(37)	7.53	(47)	6.04	(14)	N/A		6.11	(12)	
Difference	-1.17		-1.35		-2.95		N/A		N/A		-2.22		
IM Flexible Portfolio (MF) Median	-1.04		1.73		7.04		4.01		5.15		3.81		
Total Real Estate	2.23	(50)	4.00	(82)	8.04	(85)	N/A		N/A		8.76	(88)	07/01/2015
NCREIF OEDC	2.15	(62)	4.35	(58)	8.14	(77)	10.25	(61)	11.45	(70)	9.69	(71)	
Difference	0.08		-0.35		-0.10		N/A		N/A		-0.93		
IM U.S. Open End Private Real Estate (SA+CF) Median	2.23		4.53		8.62		10.38		12.13		9.88		



	QT	ΓR	FY	TD	1	YR	3 \	ΥR	5 \	<b>r</b>	Ince	otion	Inception Date
otal Domestic Equity	0.14		6.15		15.02		9.39		13.44		10.52		04/01/2008
Russell 3000 Index	-0.64		5.65		13.81		10.22		13.03		9.62		
Difference	0.78		0.50		1.21		-0.83		0.41		0.90		
Pana Equity Portfolio	-0.53	(53)	7.46	(25)	18.60	(9)	9.90	(56)	13.80	(33)	11.50	(8)	02/01/2003
S&P 500 Index	-0.76	(64)	5.84	(59)	13.99	(52)	10.78	(33)	13.31	(52)	9.95	(80)	
Difference	0.23		1.62		4.61		-0.88		0.49		1.55		
IM U.S. Large Cap Core Equity (SA+CF) Median	-0.44		6.14		14.02		10.23		13.32		10.44		
rgent Capital Growth Portfolio	1.97	(51)	5.72	(85)	14.75	(86)	10.48	(70)	14.09	(65)	9.16	(60)	12/01/2007
Russell 1000 Growth Index	1.42	(61)	9.39	(48)	21.25	(46)	12.90	(30)	15.53	(39)	9.77	(42)	
Difference	0.55		-3.67		-6.50		-2.42		-1.44		-0.61		
IM U.S. Large Cap Growth Equity (SA+CF) Median	1.99		9.26		20.83		11.66		15.03		9.42		
Clarkston Partners, Inst (CISMX)	0.71	(10)	5.07	(14)	10.44	(41)	N/A		N/A		10.44	(41)	04/01/2017
Russell 2500 Index	-0.24	(33)	4.99	(15)	12.31	(17)	8.15	(35)	11.55	(25)	12.31	(17)	
Difference	0.95		0.08		-1.87		N/A		N/A		-1.87		
IM U.S. SMID Cap Core Equity (MF) Median	-1.02		2.79		9.21		7.52		10.60		9.21		
/anguard Inst Index (VINIX)	-0.77	(44)	5.82	(40)	13.96	(41)	N/A		N/A		13.96	(41)	04/01/2017
S&P 500 Index	-0.76	(43)	5.84	(39)	13.99	(40)	10.78	(14)	13.31	(14)	13.99	(40)	
Difference	-0.01		-0.02		-0.03		N/A		N/A		-0.03		
IM U.S. Large Cap Core Equity (MF) Median	-1.11		5.35		13.31		9.25		12.05		13.31		
otal International Equity	-1.07		3.71		16.00		7.58		8.23		3.68		11/01/2007
Total International Policy	-1.18		3.76		16.53		6.18		5.89		0.72		
Difference	0.11		-0.05		-0.53		1.40		2.34		2.96		
RBC Int'l (Voyageur)	-1.41	(58)	3.77	(35)	17.47	(25)	8.81	(19)	10.23	(7)	5.49	(9)	11/01/2007
MSCI EAFE (Net) Index	-1.53	(63)	2.63	(67)	14.80	(54)	5.55	(72)	6.50	(71)	1.16	(91)	
Difference	0.12		1.14		2.67		3.26		3.73		4.33		
IM International Large Cap Value Equity (SA+CF) Median	-1.26		3.32		15.24		6.70		7.63		2.63		
ransamerica Int'l Equity R6 (TAINX)	-0.55	(17)	3.61	(29)	13.74	(62)	5.73	(23)	N/A		4.11	(23)	05/01/2014
MSCI EAFE (Net) Index	-1.53	(61)	2.63	(58)	14.80	(51)	5.55	(30)	6.50	(28)	3.60	(42)	
Difference	0.98		0.98		-1.06		0.18		N/A		0.51		
IM International Large Cap Core Equity (MF) Median	-1.18		2.93		14.84		4.96		5.98		3.38		



	Q	ΓR	FY	TD	1 '	YR	3 \	<b>r</b>	5 `	YR	Ince	otion	Inception Date
Total Domestic Fixed Income	-0.66		0.27		2.09		1.65		2.85		4.51		02/01/2003
Total Fixed Income Policy	-1.46		-1.08		1.20		1.20		1.82		3.92		
Difference	0.80		1.35		0.89		0.45		1.03		0.59		
Garcia Hamilton Fixed	-0.66	(6)	0.27	(5)	2.09	(21)	1.65	(44)	2.85	(8)	4.25	(5)	04/01/2011
Blmbg. Barc. U.S. Aggregate Index	-1.46	(68)	-1.08	(76)	1.20	(85)	1.20	(84)	1.82	(84)	2.92	(88)	
Difference	0.80		1.35		0.89		0.45		1.03		1.33		
IM U.S. Broad Market Core Fixed Income (SA+CF) Median	-1.37		-0.89		1.65		1.56		2.15		3.36		
Total Global Fixed Income	0.46		0.04		2.64		4.05		3.49		6.13		10/01/2011
Bloomberg Barclays Global Aggregate	1.37		2.46		6.98		3.15		1.50		1.51		
Difference	-0.91		-2.42		-4.34		0.90		1.99		4.62		
Templeton Global Total Return (FTTRX) R6	1.64	(27)	-0.11	(89)	0.34	(100)	2.81	(37)	2.20	(31)	5.11	(3)	10/01/2011
Blmbg. Barc. Global Multiverse	1.30	(33)	2.37	(24)	7.05	(27)	3.41	(25)	1.69	(50)	1.79	(73)	
Difference	0.34		-2.48		-6.71		-0.60		0.51		3.32		
IM Global Fixed Income (MF) Median	0.74		1.63		5.57		2.40		1.69		2.42		
PIMCO Diversified (PDIIX)	-0.60	(90)	0.18	(82)	4.84	(58)	5.32	(1)	N/A		5.37	(1)	07/01/2013
Blmbg. Barc. Global Credit (Hedged)	-1.15	(96)	-0.14	(89)	3.11	(73)	3.13	(29)	3.67	(4)	4.38	(5)	
Difference	0.55		0.32		1.73		2.19		N/A		0.99		
IM Global Fixed Income (MF) Median	0.74		1.63		5.57		2.40		1.69		2.45		
Real Return Composite	-2.20		1.07		4.58		N/A		N/A		3.89		05/01/2015
Real Return Policy	-1.03		2.42		7.53		6.04		N/A		6.11		
Difference	-1.17		-1.35		-2.95		N/A		N/A		-2.22		
Westwood Income Opportunity Fund (WHGIX)	-2.20	(83)	1.07	(64)	4.58	(71)	N/A		N/A		3.89	(48)	05/01/2015
Real Return Policy	-1.03	(50)	2.42	(37)	7.53	(47)	6.04	(14)	N/A		6.11	(12)	
Difference	-1.17		-1.35		-2.95		N/A		N/A		-2.22		
IM Flexible Portfolio (MF) Median	-1.04		1.73		7.04		4.01		5.15		3.81		
Total Real Estate (Composite)	2.23	(50)	4.00	(82)	8.04	(85)	N/A		N/A		8.76	(88)	07/01/2015
NCREIF OEDC	2.15	(62)	4.35	(58)	8.14	(77)	10.25	(61)	11.45	(70)	9.69	(71)	
Difference	0.08		-0.35		-0.10		N/A		N/A		-0.93		
IM U.S. Open End Private Real Estate (SA+CF) Median	2.23		4.53		8.62		10.38		12.13		9.88		
American Core Realty	2.23	(50)	4.00	(82)	8.04	(85)	N/A		N/A		8.76	(88)	07/01/2015
NCREIF OEDC	2.15	(62)	4.35	(58)	8.14	(77)	10.25	(61)	11.45	(70)	9.69	(71)	
Difference	0.08		-0.35		-0.10		N/A		N/A		-0.93		
IM U.S. Open End Private Real Estate (SA+CF) Median	2.23		4.53		8.62		10.38		12.13		9.88		



Comparative Performance																
	To	Oct-2016 To Sep-2017		2015 o 2016	Oct-2 To Sep-2	0	Oct-2 To Sep-2	0	Oct-2012 To Sep-2013		Oct-2 To Sep-2	0	Oct-2 To Sep-2	0	To 1 Sep-201	
Total Fund Portfolio (Net)	14.54		7.39		0.91		14.57		13.27		23.00		0.11		8.83	
Total Fund Policy	11.95		11.16		-0.42		10.90		12.33		18.94		0.87		9.36	
Difference	2.59		-3.77		1.33		3.67		0.94		4.06		-0.76		-0.53	
Total Fund Portfolio (Gross)	14.96	(6)	7.83	(87)	1.33	(14)	15.03	(1)	13.74	(29)	23.52	(1)	0.54	(45)	9.37	(66)
Total Fund Policy	11.95	(56)	11.16	(10)	-0.42	(48)	10.90	(37)	12.33	(54)	18.94	(27)	0.87	(36)	9.36	(66)
Difference	3.01		-3.33		1.75		4.13		1.41		4.58		-0.33		0.01	
All Public Plans-Total Fund Median	12.20		9.67		-0.49		10.18		12.50		17.96		0.30		9.88	
Total Equity	21.34		8.39		1.28		19.01		19.84		29.65		0.03		10.55	
Total Equity Policy	18.95		13.83		-3.24		14.41		20.39		26.19		-2.37		11.15	
Difference	2.39		-5.44		4.52		4.60		-0.55		3.46		2.40		-0.60	
Total Fixed Income	3.51		6.18		0.64		6.27		1.36		11.70		2.96		7.38	
Total Fixed Income Policy	0.07		5.19		2.94		3.96		-1.68		5.16		5.90		7.52	
Difference	3.44		0.99		-2.30		2.31		3.04		6.54		-2.94		-0.14	



	Т	2016 o 2017	Oct-2 T Sep-	0	Oct-2 To Sep-2	0	Oct-2 To Sep-2	0	Oct-2 To Sep-2	0	Oct- T Sep-		Oct-7 T Sep-	0	Oct- T Sep-	0
Total Domestic Equity	21.72		8.32		2.53		21.18		19.84		31.21		1.52		10.52	
Russell 3000 Index	18.71		14.96		-0.49		17.76		21.60		30.20		0.55		10.96	
Difference	3.01		-6.64		3.02		3.42		-1.76		1.01		0.97		-0.44	
Dana Equity Portfolio	24.69	(5)	7.77	(92)	0.25	(47)	21.67	(20)	20.04	(57)	30.90	(33)	1.91	(41)	10.64	(34)
S&P 500 Index	18.61	(53)	15.43	(22)	-0.61	(63)	19.73	(45)	19.34	(65)	30.20	(45)	1.14	(51)	10.16	(40)
Difference	6.08		-7.66		0.86		1.94		0.70		0.70		0.77		0.48	
IM U.S. Large Cap Core Equity (SA+CF) Median	18.74		13.17		0.03		19.25		20.66		29.73		1.16		9.50	
Argent Capital Growth Portfolio	23.21	(21)	8.90	(77)	4.74	(33)	20.73	(23)	19.67	(59)	31.84	(16)	1.13	(53)	10.60	(58)
Russell 1000 Growth Index	21.94	(37)	13.76	(22)	3.17	(55)	19.15	(39)	19.27	(64)	29.19	(38)	3.78	(30)	12.65	(35)
Difference	1.27		-4.86		1.57		1.58		0.40		2.65		-2.65		-2.05	
IM U.S. Large Cap Growth Equity (SA+CF) Median	20.81		11.62		3.60		18.11		20.26		27.62		1.37		11.27	
Clarkston Partners, Inst (CISMX)	N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A	
Russell 2500 Index	17.79	(57)	14.44	(45)	0.38	(52)	8.97	(27)	29.79	(46)	30.93	(33)	-2.22	(36)	15.92	(26)
Difference	N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A	
IM U.S. SMID Cap Core Equity (MF) Median	18.34		13.66		0.45		6.60		29.32		29.18		-3.59		13.93	
Vanguard Inst Index (VINIX)	N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A	
S&P 500 Index	18.61	(43)	15.43	(15)	-0.61	(27)	19.73	(17)	19.34	(61)	30.20	(24)	1.14	(25)	10.16	(24)
Difference	N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A	
IM U.S. Large Cap Core Equity (MF) Median	18.18		12.72		-1.84		17.34		20.01		28.04		-1.07		8.27	
Total International Equity	20.08		8.66		-4.85		6.40		19.38		19.95		-7.71		10.68	
Total International Policy	19.61		9.26		-12.16		4.77		16.48		14.49		-10.81		5.20	
Difference	0.47		-0.60		7.31		1.63		2.90		5.46		3.10		5.48	
Baring International Portfolio	N/A		N/A		N/A		N/A		9.64	(97)	14.70	(79)	-6.58	(25)	9.62	(51)
MSCI EAFE (Net) Index	19.10	(59)	6.52	(74)	-8.66	(85)	4.25	(58)	23.77	(28)	13.75	(84)	-9.36	(55)	3.27	(92)
Difference	N/A		N/A		N/A		N/A		-14.13		0.95		2.78		6.35	
IM International Large Cap Growth Equity (SA+CF) Median	19.74		9.19		-5.07		4.68		20.71		18.73		-9.02		9.70	
RBC Int'l (Voyageur)	22.69	(36)	10.75	(27)	-4.36	(20)	10.08	(8)	27.54	(18)	24.73	(3)	-8.72	(52)	11.64	(16)
MSCI EAFE (Net) Index	19.10	(59)	6.52	(68)	-8.66	(44)	4.25	(68)	23.77	(44)	13.75	(60)	-9.36	(61)	3.27	(68)
Difference	3.59		4.23		4.30		5.83		3.77		10.98		0.64		8.37	
IM International Large Cap Value Equity (SA+CF) Median	20.93		8.36		-9.45		5.74		22.94		15.39		-8.65		5.00	
Transamerica Int'l Equity R6 (TAINX)	16.16	(85)	5.67	(49)	-5.55	(8)	N/A		N/A		N/A		N/A		N/A	
MSCI EAFE (Net) Index	19.10	(42)	6.52	(34)	-8.66	(61)	4.25	(44)	23.77	(20)	13.75	(67)	-9.36	(22)	3.27	(52)
Difference	-2.94		-0.85		3.11		N/A		N/A		N/A		N/A		N/A	
IM International Large Cap Core Equity (MF) Median	18.72		5.58		-7.91		3.92		21.44		15.13		-11.31		3.35	

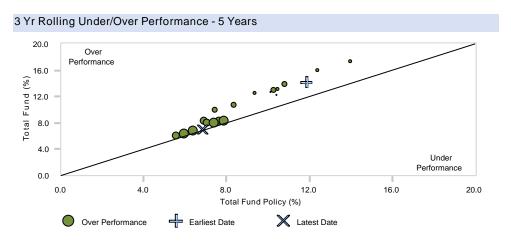


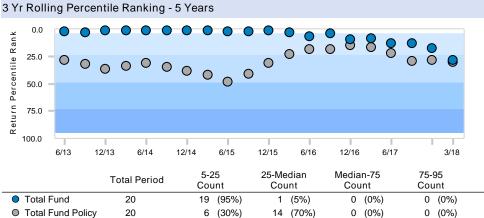
	Oct-: T Sep-		Oct-: T Sep-	0	Oct-2 To Sep-2	0	Oct-2 To Sep-2	0	Oct-: T Sep-	0	Т	2011 o 2012	Oct-2 T Sep-	0	Oct- T Sep-	0
Total Domestic Fixed Income	0.29		5.60		3.47		6.31		0.19		10.93		2.96		7.38	
Total Fixed Income Policy	0.07		5.19		2.94		3.96		-1.68		5.16		5.90		7.52	
Difference	0.22		0.41		0.53		2.35		1.87		5.77		-2.94		-0.14	
Garcia Hamilton Fixed	0.29	(70)	5.60	(55)	3.47	(15)	6.31	(6)	0.19	(10)	10.93	(1)	N/A		N/A	
Blmbg. Barc. U.S. Aggregate Index	0.07	(86)	5.19	(79)	2.94	(60)	3.96	(80)	-1.68	(80)	5.16	(91)	5.26	(49)	8.16	(87)
Difference	0.22		0.41		0.53		2.35		1.87		5.77		N/A		N/A	
IM U.S. Broad Market Core Fixed Income (SA+CF) Median	0.62		5.66		3.02		4.50		-1.24		6.61		5.26		9.24	
Dana Fixed Portfolio	N/A		N/A		N/A		N/A		N/A		N/A		N/A		7.38	(82)
Total Fixed Income Policy	0.07	(93)	5.19	(10)	2.94	(31)	3.96	(16)	-1.68	(99)	5.16	(62)	5.90	(3)	7.52	(77)
Difference	N/A		N/A		N/A		N/A		N/A		N/A		N/A		-0.14	
IM U.S. Intermediate Duration (SA+CF) Median	0.70		3.91		2.70		2.89		-0.27		5.56		3.61		8.26	
Total Global Fixed Income	10.34		7.32		-4.98		5.93		6.49		15.92		N/A		N/A	
Bloomberg Barclays Global Aggregate	-1.26		8.83		-3.26		1.19		-2.64		5.07		4.00		6.06	
Difference	11.60		-1.51		-1.72		4.74		9.13		10.85		N/A		N/A	
Templeton Global Total Return (FTTRX) R6	13.82	(1)	2.68	(95)	-8.16	(94)	5.64	(23)	5.30	(2)	15.92	(3)	N/A		N/A	
Blmbg. Barc. Global Multiverse	-0.56	(78)	9.23	(24)	-3.56	(42)	1.40	(79)	-2.22	(56)	5.57	(81)	3.85	(11)	6.42	(76)
Difference	14.38		-6.55		-4.60		4.24		7.52		10.35		N/A		N/A	
IM Global Fixed Income (MF) Median	1.02		7.39		-3.89		3.37		-1.81		7.17		1.74		7.68	
PIMCO Diversified (PDIIX)	7.03	(2)	12.19	(2)	-1.12	(25)	6.23	(13)	N/A		N/A		N/A		N/A	
Blmbg. Barc. Global Credit (Hedged)	3.04	(28)	9.19	(24)	0.86	(17)	6.83	(9)	1.46	(8)	11.61	(5)	1.69	(53)	11.05	(28)
Difference	3.99		3.00		-1.98		-0.60		N/A		N/A		N/A		N/A	
IM Global Fixed Income (MF) Median	1.02		7.39		-3.89		3.37		-1.81		7.17		1.74		7.68	
Westwood Income Opportunity Fund (WHGIX)	8.16	(60)	9.22	(38)	N/A		N/A		N/A		N/A		N/A		N/A	
Real Return Policy	9.04	(51)	10.41	(22)	N/A		N/A		N/A		N/A		N/A		N/A	
Difference	-0.88	(31)	-1.19	(22)	N/A		N/A		N/A		N/A		N/A		N/A	
IM Flexible Portfolio (MF) Median	9.09		8.32		-4.46		8.00		8.32		15.68		-0.84		9.41	
American Core Realty	7.52	(67)	9.04	(97)	N/A		N/A		N/A		N/A		N/A		N/A	
NCREIF OEDC	7.81	(60)	10.62	(69)	14.71	(62)	12.39	(68)	12.47	(67)	11.77	(66)	18.03	(41)	6.14	(52)
Difference	-0.29	(=-)	-1.58	( )	N/A	\ - <b>-</b> /	N/A	\ - <del>-</del> /	N/A	(==)	N/A	( )	N/A	( -/	N/A	(/
IM U.S. Open End Private Real Estate (SA+CF) Median	8.29		11.32		15.45		12.78		13.18		12.90		16.62		6.39	
Sizi apan and i mate real astate (or ii or ) modeli	5.25						5								0.00	



### Peer Group Analysis - All Public Plans-Total Fund 17.00 28.00 24.00 14.00 0 20.00 11.00 0 0 0 16.00 0 0 8.00 0 0 0 12.00 Return Return 5.00 0 8.00 0 0 2.00 4.00 -1.00 0 0.00 -4.00 -4.00 -7.00 -8.00 QTR FYTD 1 YR 2 YR 3 YR 4 YR 5 YR 2017 2016 2015 2014 2013 Total Fund -0.06 (30) 3.98 (24) 10.80 (36) 11.58 (21) 6.97 (27) 7.77 (9) 9.59 (3) Total Fund 17.11 (16) 6.43 (75) 1.66 (13) 9.98 (3) 21.38 (8) Total Fund Policy -0.76 (83) 3.26 (57) 9.65 (65) 6.90 (30) 7.19 (28) 8.29 (32) 8.55 (21) 0.57 (36) 7.74 (25) 17.43 (45) 10.41 (54) Median -0.32 3.37 10.21 10.49 6.37 6.63 7.85 Median 15.43 7.32 0.07 6.76 17.02 Comparative Performance 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr Ending Ending Ending Ending Ending Ending Dec-2017 Sep-2017 Jun-2017 Mar-2017 Dec-2016 Sep-2016 Total Fund 4.04 (28) 3.88 (20) 2.58 (77) 5.64 (4) 2.13 (9) 3.12 (62) **Total Fund Policy** 4.05 (28)3.38 (58)2.72 (68)4.15 (68)1.22 (32)3.24 (56) All Public Plans-Total Fund Median 3.75 3.45 2.98 4.41 0.85 3.37







### Peer Group Scattergram - 3 Years 7.20 <sup>₹</sup> 7.00 8.60 6.80 6.80 6.40 6.20 6.30 6.39 6.48 6.57 6.66 6.75 6.84 6.93 Risk (Standard Deviation %) Standard Return Deviation Total Fund 6.97 6.86 Total Fund Policy 6.90 6.41

6.37

\_\_ Median

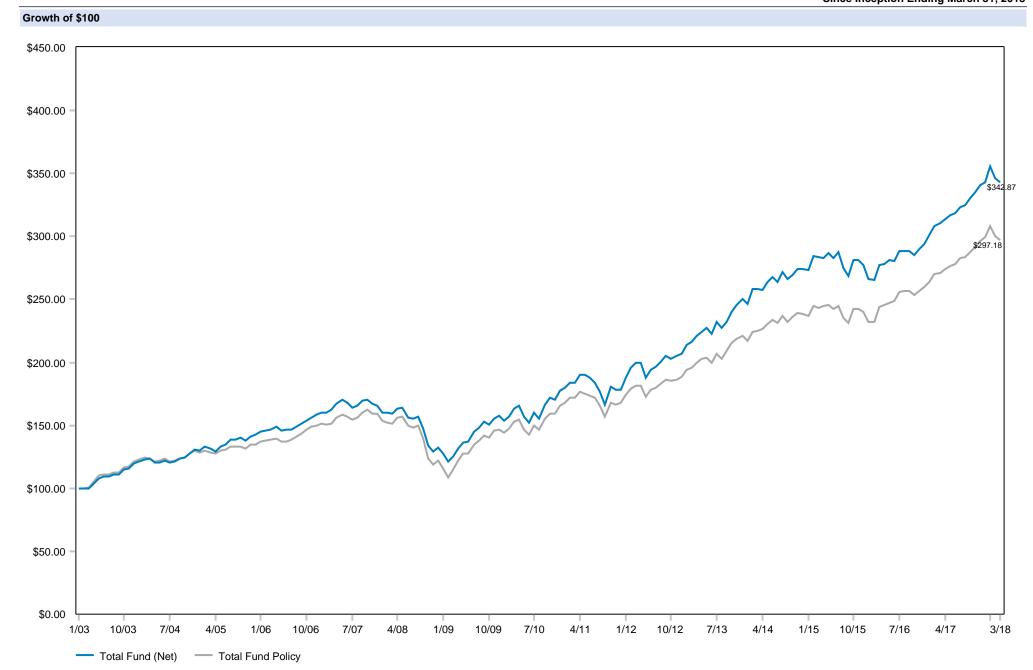


<b>Historical Statistics</b>	- 3 Years							
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Total Fund	1.58	103.56	106.22	-0.19	0.06	0.95	1.04	4.20
Total Fund Policy	0.00	100.00	100.00	0.00	N/A	1.00	1.00	3.78
Historical Statistics	- 5 Years							
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Total Fund	1.82	108.94	99.60	0.76	0.68	1.32	1.06	3.73
<b>Total Fund Policy</b>	0.00	100.00	100.00	0.00	N/A	1.25	1.00	3.44

6.40



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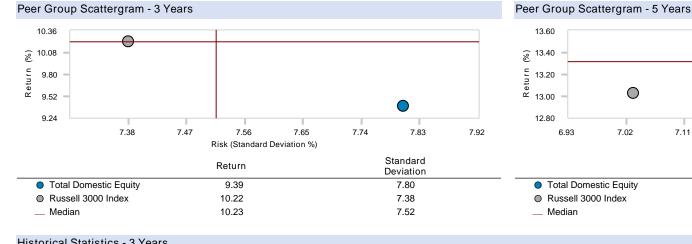


### Peer Group Analysis - IM U.S. Large Cap Core Equity (SA+CF) 28.00 52.00 24.00 44.00 20.00 36.00 00 0 0 16.00 28.00 0 0 0 0 12.00 20.00 Return Return 0 0 0 0 8.00 12.00 0 0 4.00 4.00 0 0.00 -4.00 -4.00 -12.00 -20.00 -8.00 QTR FYTD 1 YR 2 YR 3 YR 4 YR 5 YR 2017 2016 2015 2014 2013 Total Domestic Equity 0.14 (29) 15.02 (40) 16.25 (35) 9.39 (65) 10.72 (58) 13.44 (45) Total Domestic Equity 23.66 (28) 7.38 (83) 2.40 (36) 14.85 (29) 32.90 (51) 6.15 (50) Russell 3000 Index -0.64 (57) 5.65 (64) 13.81 (55) 15.92 (42) 10.22 (51) 10.76 (57) 13.03 (59) Russell 3000 Index 21.13 (61) 12.74 (22) 0.48 (62) 12.56 (62) 33.55 (45) Median -0.44 6.14 14.02 15.53 10.23 10.93 13.32 Median 21.82 10.50 1.39 13.43 32.98 Comparative Performance 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr Ending Ending Ending Ending Ending Ending Dec-2017 Sep-2017 Jun-2017 Mar-2017 Dec-2016 Sep-2016 Total Domestic Equity 6.00 (72) 5.51 (24) 2.70 (61) 7.66 (8) 4.35 (36) 3.44 (60) 4.40 Russell 3000 Index 6.34 (64)4.57 (53)3.02 (47) 5.74 (58)4.21 (42) (42)IM U.S. Large Cap Core Equity (SA+CF) Median 4.61 5.95 3.99 6.68 2.95 3.93



## 3 Yr Rolling Under/Over Performance - 5 Years € 30.0 Over Total Domestic Eduity 18.0 10.0 6.0 Performance Under Performance 6.0 0.0 12.0 18.0 24.0 30.0 Russell 3000 Index (%) Over Performance Under Performance Earliest Date X Latest Date

### 3 Yr Rolling Percentile Ranking - 5 Years Return Percentile Rank 25.0 50.0 75.0 100.0 12/13 6/14 12/14 6/15 12/15 6/16 12/16 6/17 3/18 6/13 5-25 25-Median Median-75 75-95 **Total Period** Count Count Count Count Total Domestic Equity 20 4 (20%) 7 (35%) 9 (45%) 0 (0%) Russell 3000 Index 20 0 (0%) 4 (20%) 16 (80%) 0 (0%)



•						
					<u> </u>	
$\circ$						
		-		-	-	
7.02	7.11	7.20	7.29	7.38	7.47	7.56
	F	Risk (Standard I	Deviation %)			
		Return				
tic Fauity		13.44			7.47	
iio Equity						
		7.02 7.11	7.02 7.11 7.20 Risk (Standard I	7.02 7.11 7.20 7.29 Risk (Standard Deviation %)	7.02 7.11 7.20 7.29 7.38 Risk (Standard Deviation %) Return	7.02 7.11 7.20 7.29 7.38 7.47 Risk (Standard Deviation %) Return Standard Deviation

13.32

Tilstorical Statistics -	3 Tears							
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Total Domestic Equity	2.47	97.96	103.72	-0.89	-0.29	0.85	1.02	6.61
Russell 3000 Index	0.00	100.00	100.00	0.00	N/A	0.96	1.00	5.95
Historical Statistics -	5 Years							
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Total Domestic Equity	2.45	99.88	94.68	0.21	0.17	1.24	1.02	5.65
Russell 3000 Index	0.00	100.00	100.00	0.00	N/A	1.26	1.00	5.34

\_\_ Median



7.26

### Peer Group Analysis - IM U.S. Large Cap Core Equity (SA+CF) 28.00 52.00 24.00 44.00 20.00 36.00 00 0 16.00 28.00 0 0 0 0 0 12.00 20.00 0 0 Return Return 0 0 12.00 0 8.00 0 4.00 4.00 0 0.00 -4.00 0 0 -4.00 -12.00 -20.00 -8.00 QTR FYTD 1 YR 2 YR 3 YR 4 YR 5 YR 2017 2016 2015 2014 2013 Dana Equity Portfolio -0.53 (53) 7.46 (25) 18.60 (9) 17.40 (21) 9.90 (56) 11.19 (44) 13.80 (33) Dana Equity Portfolio 28.77 (3) 7.26 (84) -0.98 (76) 16.74 (12) 34.07 (39) S&P 500 Index -0.76 (64) 5.84 (59) 13.99 (52) 10.78 (33) 11.26 (41) 13.31 (52) S&P 500 Index 21.83 (50) 11.96 (32) 1.38 (51) 13.69 (44) 32.39 (60) 15.57 (49) Median -0.44 6.14 14.02 15.53 10.23 10.93 13.32 Median 21.82 10.50 1.39 13.43 32.98 Comparative Performance 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr Ending Ending Ending Ending Ending Ending Dec-2017 Sep-2017 Jun-2017 Mar-2017 Dec-2016 Sep-2016 Dana Equity Portfolio 8.02 (15) 6.14 (11) 3.99 (17) 8.00 (5) 4.60 (31) 1.61 (86) S&P 500 Index 6.64 4.48 (59)3.09 (44)6.07 (45) 3.82 (53)3.85 (54)(52)IM U.S. Large Cap Core Equity (SA+CF) Median 4.61 5.95 3.99 6.68 2.95 3.93



# 3 Yr Rolling Under/Over Performance - 5 Years %) 30.0 24.0 18.0 18.0 12.0 6.0 6.0 Over Performance Under Performance 6.0 0.0 12.0 18.0 24.0 30.0 S&P 500 Index (%) Over Performance Under Performance Earliest Date X Latest Date

# 3 Yr Rolling Percentile Ranking - 5 Years 25.0 50.0 6/13 12/13 6/14 12/14 6/15 12/15 6/16 12/16 6/17 3/18 Tatal Pariad 5-25 25-Median Median-75 75-95

	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
<ul> <li>Dana Equity Portfolio</li> </ul>	20	2 (10%)	9 (45%)	9 (45%)	0 (0%)
O S&P 500 Index	20	0 (0%)	11 (55%)	9 (45%)	0 (0%)

### Peer Group Scattergram - 3 Years 11.10 (%) 10.80 10.50 10.20 0 9.90 9.60 6.75 7.02 7.29 7.56 7.83 8.10 8.37 8.64 8.91 Risk (Standard Deviation %) Standard Return Deviation Dana Equity Portfolio 9.90 8.47

100.00

10.78

10.23

0.00

S&P 500 Index

\_\_ Median

S&P 500 Index

Pee	er Group S	Scattergran	n - 5 Years						
	14.00								
(%)	13.80 -								
Return	13.60 -								
æ	13.40		0						
	13.20			1					
	6.51	6.72	6.93	7.14	7.35	7.56	7.77	7.98	8.19
				Risk (Sta	ndard Deviati	on %)			

	Return	Standard Deviation
<ul><li>Dana Equity Portfolio</li></ul>	13.80	7.90
<ul><li>S&amp;P 500 Index</li></ul>	13.31	6.85
Median	13.32	7.26

1.30

1.00

Historical Statistics - 3	3 Years							
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Dana Equity Portfolio	2.75	97.76	103.99	-0.74	-0.28	0.91	1.00	6.42
S&P 500 Index	0.00	100.00	100.00	0.00	N/A	1.02	1.00	5.68
Historical Statistics - 5	5 Years							
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Dana Equity Portfolio	2.51	100.72	96.17	0.62	0.18	1.32	0.99	5.57

7.18

7.52

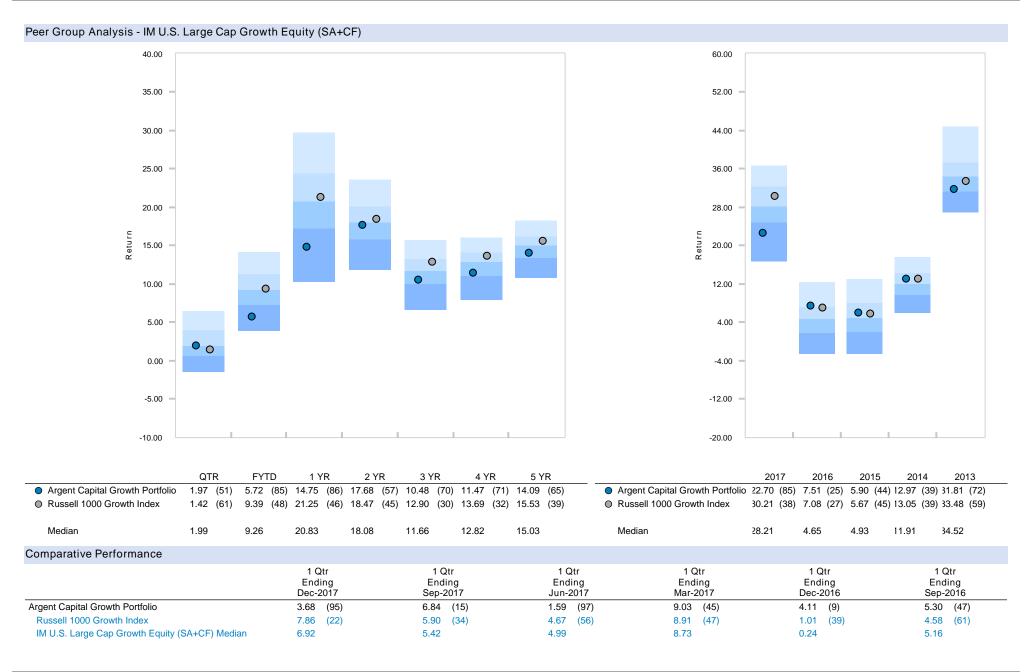
100.00



5.18

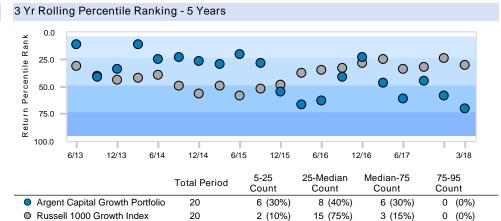
0.00

N/A





## 3 Yr Rolling Under/Over Performance - 5 Years = 30.0 Q 2 24.0 Over Performance t Cap ital Growth 12.0 (0.0 cm) 12.0 (0.0 cm Under Performance 6.0 0.0 12.0 18.0 24.0 30.0 Russell 1000 Growth Index (%) Over Performance Under Performance Earliest Date X Latest Date



# Peer Group Scattergram - 3 Years 13.94 13.12 12.30 11.48 10.66 9.84 7.60 7.80 8.00 8.20 8.40 8.60 8.80 Risk (Standard Deviation %) Return Standard Deviation

Pe	er Group	Scattergra	m - 5 Years	i					
(%	15.84 15.36 – 14.88 – 14.40 –		0						
<u>-</u>	14.88								
etu	14.40 -								
œ	13.92 -					,			
	13.44	1			1	1	1		
	7.03	7.22	7.41	7.60	7.79	7.98	8.17	8.36	8.55
				Risk (Sta	ndard Deviati	on %)			

	Return	Deviation
<ul> <li>Argent Capital Growth Portfolio</li> </ul>	10.48	8.35
<ul> <li>Russell 1000 Growth Index</li> </ul>	12.90	7.85
Median	11.66	8.57

	Return	Standard Deviation
<ul> <li>Argent Capital Growth Portfolio</li> </ul>	14.09	7.86
<ul> <li>Russell 1000 Growth Index</li> </ul>	15.53	7.36
Median	15.03	8.31

Historical Statistics - 3 Years	3							
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Argent Capital Growth Portfolio	4.29	94.71	110.44	-1.89	-0.49	0.88	0.99	7.02
Russell 1000 Growth Index	0.00	100.00	100.00	0.00	N/A	1.13	1.00	5.79
Historical Statistics - 5 Years	<b>S</b>							
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Argent Capital Growth Portfolio	4.42	96.15	103.25	-1.21	-0.26	1.20	1.00	6.04
Russell 1000 Growth Index	0.00	100.00	100.00	0.00	N/A	1.42	1.00	5.01

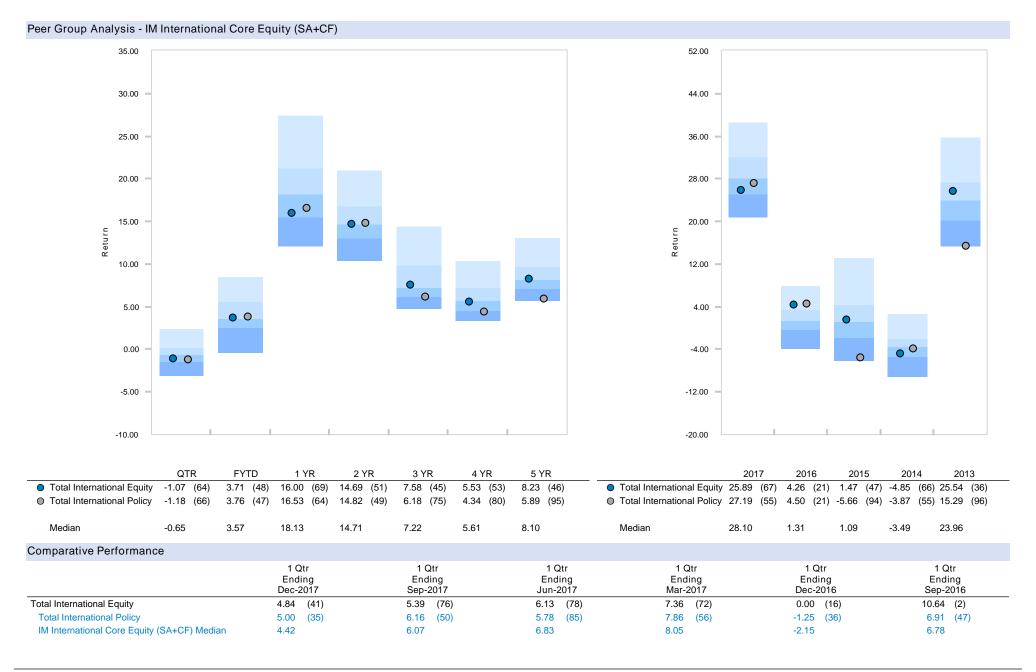


## Peer Group Analysis - IM U.S. SMID Cap Core Equity (MF) 28.00 60.00 24.00 50.00 20.00 40.00 0 0 16.00 30.00 0 12.00 0 20.00 Return Return 0 0 0 0 8.00 10.00 0 0 4.00 0.00 0.00 0 -10.00 -4.00 -20.00 -8.00 -12.00 -30.00 QTR FYTD 1 YR 2 YR 3 YR 4 YR 5 YR 2017 2016 2015 2014 2013 Clarkston Partners, Inst (CISMX) 0.71 (10) 5.07 (14) 10.44 (41) N/A N/A N/A N/A Clarkston Partners, Inst (CISMX) N/A N/A N/A N/A Russell 2500 Index -0.24 (33) 4.99 (15) 12.31 (17) 8.63 (23) 11.55 (25) Russell 2500 Index 16.81 (13) 17.59 (75) -2.90 (30) 16.83 (31) 8.15 (35) 7.07 (26) 36.80 (51) Median -1.02 2.79 9.21 15.31 7.52 7.50 10.60 Median 12.95 20.47 -4.23 5.18 36.86 Comparative Performance 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr Ending Ending Ending Ending Ending Ending Dec-2017 Sep-2017 Jun-2017 Mar-2017 Dec-2016 Sep-2016 Clarkston Partners, Inst (CISMX) 4.33 (37) 4.48 (59) 0.60 (71) N/A N/A N/A Russell 2500 Index 5.24 (21) 4.74 (53) 2.13 (32) 3.76 (20)6.12 (91) 6.56 (56)IM U.S. SMID Cap Core Equity (MF) Median 4.80 1.56 2.04 9.20 6.83 3.78



## Peer Group Analysis - IM U.S. Large Cap Core Equity (MF) 24.00 52.00 44.00 20.00 36.00 16.00 0 0 0 0 0 28.00 12.00 0 0 20.00 Return Return 8.00 0 12.00 0 0 0 4.00 4.00 0 0.00 0 0 -4.00 -4.00 -12.00 -20.00 -8.00 QTR FYTD 1 YR 2 YR 3 YR 4 YR 5 YR 2017 2016 2015 2014 2013 Vanguard Inst Index (VINIX) -0.77 (44) 5.82 (40) 13.96 (41) N/A N/A N/A N/A Vanguard Inst Index (VINIX) N/A N/A N/A N/A N/A S&P 500 Index S&P 500 Index -0.76 (43) 5.84 (39) 13.99 (40) 15.57 (35) 10.78 (14) 11.26 (14) 13.31 (14) 21.83 (36) 11.96 (25) 1.38 (29) 13.69 (15) 32.39 (39) Median -1.11 5.35 13.31 14.54 9.25 9.66 12.05 Median 20.84 9.98 -0.22 11.35 31.80 Comparative Performance 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr Ending Sep-2017 Ending Ending Ending Ending Ending Dec-2017 Jun-2017 Mar-2017 Dec-2016 Sep-2016 Vanguard Inst Index (VINIX) 6.63 (38) 4.48 (45) 3.08 (46) N/A N/A N/A S&P 500 Index 6.64 (38) 4.48 (45)3.09 (46)6.07 (35)3.82 (44)3.85 (50) IM U.S. Large Cap Core Equity (MF) Median 4.38 3.00 5.68 3.64 3.83 6.39







## 3 Yr Rolling Under/Over Performance - 5 Years Over Performance Under Performance 12.0 0.0 6.0 18.0 24.0 -6.0 Total International Policy (%) X Latest Date Over Performance Earliest Date

## 3 Yr Rolling Percentile Ranking - 5 Years Return Percentile Rank 25.0 50.0 75.0 100.0 6/15 12/15 6/16 12/16 6/17 3/18 5-25 25-Median Median-75 75-95 **Total Period** Count Count Count Count Total International Equity 20 0 (0%) 16 (80%) 4 (20%) 0 (0%) Total International Policy 20 0 (0%) 0 (0%) 1 (5%) 19 (95%)

## 7.84 7.35 6.86 6.86 5.88 5.39 11.80 11.90 12.00 12.10 Risk (Standard Deviation %) 12.20 12.30 12.40

9.02							
8.20 - 7.38 - 6.56 - 8							
₹ 6.56 =							
o 2 5.74 −							
4.92							
11.56	11.60	11.64	11.68	11.72	11.76	11.80	11.84
			Risk (Standard [	Deviation %)			

Return	Standard Deviation
7.58	11.94
6.18	12.29
7.22	11.87
	7.58 6.18

Historical Statistics - 3 Years

	Return	Deviation
<ul> <li>Total International Equity</li> </ul>	8.23	11.60
<ul> <li>Total International Policy</li> </ul>	5.89	11.78
Median	8.10	11.63

Tilstorical Statistics - 5 Te	zais							
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Total International Equity	3.83	99.12	89.65	1.81	0.33	0.63	0.92	7.72
Total International Policy	0.00	100.00	100.00	0.00	N/A	0.51	1.00	7.82
Historical Statistics - 5 Ye	ears							
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Total International Equity	3.98	102.41	87.28	2.68	0.55	0.72	0.93	7.02
Total International Policy	0.00	100.00	100.00	0.00	N/A	0.52	1.00	7.37

Peer Group Scattergram - 5 Years



## Peer Group Analysis - IM International Large Cap Value Equity (SA+CF) 30.00 44.00 25.00 36.00 20.00 28.00 0 0 15.00 0 20.00 0 Return Return 0 10.00 12.00 • 0 0 5.00 4.00 0 0.00 -4.00 0 00 -5.00 -12.00 -10.00 -20.00 QTR FYTD 1 YR 2 YR 3 YR 4 YR 5 YR 2017 2016 2015 2014 2013 RBC Int'l (Voyageur) -1.41 (58) 3.77 (35) 17.47 (25) 16.53 (26) 8.81 (19) 6.28 (25) 10.23 (7) RBC Int'l (Voyageur) 28.05 (32) 6.82 (23) 1.40 (23) -2.87 (32) 33.30 (3) 2.63 (67) 14.80 (54) 13.23 (62) 5.55 (72) 3.90 (71) 6.50 (71) MSCI EAFE (Net) Index 25.03 (60) 1.00 (80) -0.81 (39) -4.90 (60) 22.78 (55) Median -1.26 3.32 15.24 14.11 6.70 4.78 7.63 Median 26.26 4.01 -1.92 -4.26 23.25 Comparative Performance 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr Ending Ending Ending Ending Ending Ending Dec-2017 Sep-2017 Jun-2017 Mar-2017 Dec-2016 Sep-2016 RBC Int'l (Voyageur) 5.25 (26) 6.53 (31) 6.27 (44) 7.47 (61) 0.85 (37) 12.90 (2) MSCI EAFE (Net) Index 4.23 (50)5.40 (60)6.12 (48)7.25 (67)-0.71 (59) 6.43 (61) IM International Large Cap Value Equity (SA+CF) Median 4.21 6.02 7.70 -0.20 7.01 5.66

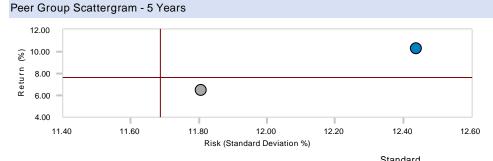


## 3 Yr Rolling Under/Over Performance - 5 Years 32.0 Over Performance . 88 Under Performance -8.0 0.0 8.0 16.0 32.0 -8.0 24.0 MSCI EAFE (Net) Index (%) X Latest Date Over Performance Earliest Date

## 3 Yr Rolling Percentile Ranking - 5 Years Return Percentile Rank 25.0 75.0 100.0 6/16 12/13 12/14 6/15 12/15 12/16 6/17 3/18 6/13 6/14 5-25 25-Median Median-75 75-95 **Total Period** Count Count Count Count RBC Int'l (Voyageur) 20 18 (90%) 2 (10%) 0 (0%) 0 (0%) MSCI EAFE (Net) Index 20 0 (0%) 2 (10%) 18 (90%) 0 (0%)

## Peer Group Scattergram - 3 Years 10.00 8 8.00 4.00 11.80 12.00 12.00 Risk (Standard Deviation %) Return Standard Powistion

Risk (Standard Deviation %)							
	Return	Standard Deviation					
<ul><li>RBC Int'l (Voyageur)</li></ul>	8.81	12.49					
<ul> <li>MSCI EAFE (Net) Index</li> </ul>	5.55	12.08					
Median	6.70	11.91					



	Return	Deviation
<ul><li>RBC Int'l (Voyageur)</li></ul>	10.23	12.44
<ul><li>MSCI EAFE (Net) Index</li></ul>	6.50	11.81
Median	7.63	11.69

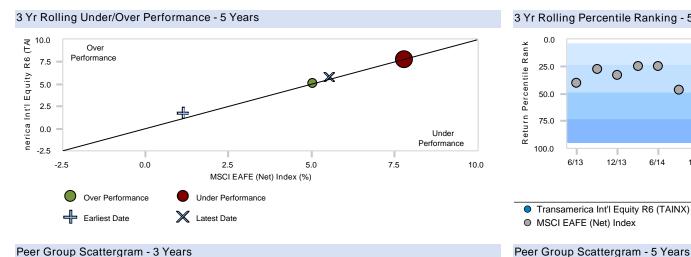
Historical Statistics - 3 Y	ears							
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
RBC Int'l (Voyageur)	4.53	108.56	90.34	3.38	0.69	0.70	0.96	8.16
MSCI EAFE (Net) Index	0.00	100.00	100.00	0.00	N/A	0.47	1.00	8.00
Historical Statistics - 5 Y	ears							
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
RBC Int'l (Voyageur)	4.80	111.01	90.28	3.81	0.74	0.82	0.97	7.40
MSCI EAFE (Net) Index	0.00	100.00	100.00	0.00	N/A	0.57	1.00	7.26



## Peer Group Analysis - IM International Large Cap Core Equity (MF) 35.00 44.00 30.00 36.00 25.00 28.00 0 0 20.00 20.00 15.00 Return Return 12.00 10.00 4.00 0 00 5.00 -4.00 0.00 0 -12.00 -5.00 -10.00 -20.00 QTR FYTD 1 YR 2 YR 3 YR 4 YR 5 YR 2017 2016 2015 2014 2013 3.61 (29) 13.74 (62) 11.94 (76) Transamerica Int'l Equity R6 (TAINX) -0.55 (17) 5.73 (23) N/A N/A Transamerica Int'l Equity R6 (TAINX) 2.58 (84) 0.56 (64) 1.58 (2) N/A N/A MSCI EAFE (Net) Index -1.53 (61) 2.63 (58) 14.80 (51) 13.23 (57) 5.55 (30) 3.90 (42) 6.50 (28) MSCI EAFE (Net) Index 5.03 (43) 1.00 (59) 0.81 (25) 4.90 (32) 2.78 (19) Median -1.18 2.93 14.84 13.52 4.96 3.62 5.98 Median 4.71 6.02 0.41 1.43 2.27 Comparative Performance 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr Ending Ending Ending Ending Ending Ending Dec-2017 Sep-2017 Jun-2017 Mar-2017 Dec-2016 Sep-2016 Transamerica Int'l Equity R6 (TAINX) 4.18 (50) 3.65 (90) 5.91 (46) 7.19 (56) -1.28 (50) 7.41 (30) MSCI EAFE (Net) Index 4.23 (46)5.40 (55) 6.12 (39) 7.25 (55)-0.71 (35) 6.43 (60)IM International Large Cap Core Equity (MF) Median 5.80 7.63 6.74 4.18 5.50 -1.30



Standard



## 3 Yr Rolling Percentile Ranking - 5 Years Return Percentile Rank 25.0 50.0 75.0 100.0 12/13 6/14 12/14 6/15 12/15 6/16 12/16 6/17 3/18 6/13 5-25 25-Median Median-75 75-95 **Total Period** Count Count Count Count Transamerica Int'l Equity R6 (TAINX) 4 2 (50%) 2 (50%) 0 (0%) 0 (0%) MSCI EAFE (Net) Index 20 4 (20%) 16 (80%) 0 (0%) 0 (0%)

## Peer Group Scattergram - 3 Years 5.98 5.72 5.46 5.20 0 4.68 11.50 11.60 11.70 11.80 11.90 12.00 12.10 12.20 Risk (Standard Deviation %)

6.60							
<u>@</u> 6.40 –						0	
6.20 — 6.00 —							
5.80			-	1	1		
11.36	11.44	11.52	11.60	11.68	11.76	11.84	11.92
			Risk (Standard D	Deviation %)			

	Return	Standard Deviation
<ul> <li>Transamerica Int'l Equity R6 (TAINX)</li> </ul>	5.73	11.63
<ul> <li>MSCI EAFE (Net) Index</li> </ul>	5.55	12.08
Median	4.96	11.78

Historical Statistics - 3 Years

Return	Standard Deviation
N/A	N/A
6.50	11.81
5.98	11.49
	N/A 6.50

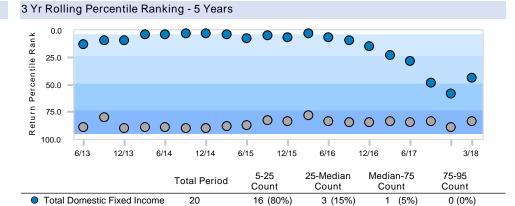
riistoricai Statistics - 3 Tears								
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Transamerica Int'l Equity R6 (TAINX)	2.53	96.87	94.70	0.47	0.05	0.50	0.94	7.50
MSCI EAFE (Net) Index	0.00	100.00	100.00	0.00	N/A	0.47	1.00	8.00
Historical Statistics - 5 Years								
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Transamerica Int'l Equity R6 (TAINX)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MSCI EAFE (Net) Index	0.00	100.00	100.00	0.00	N/A	0.57	1.00	7.26

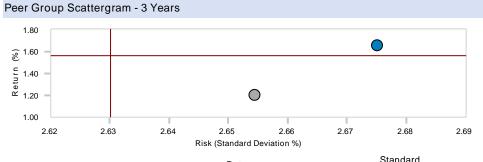


## Peer Group Analysis - IM U.S. Broad Market Core Fixed Income (SA+CF) 5.30 12.00 4.49 10.00 3.68 8.00 2.87 6.00 0 0 2.06 0 4.00 Return Return 1.25 0 0 2.00 0.44 00 0.00 -0.37 -2.00 0 0 -1.18 -4.00 -1.99 -6.00 -2.80 QTR **FYTD** 1 YR 2 YR 3 YR 4 YR 5 YR 2017 2016 2015 2014 2013 Total Domestic Fixed Income -0.66 0.27 (5) 2.09 (21) 1.48 (47) 1.65 3.07 (19) 2.85 (8) Total Domestic Fixed Income 3.84 (62) 3.12 (49) 0.67 (64) 8.04 (3) 0.09 (6) (6) (44)Fixed Income Policy -1.46 (68) -1.08 (76) 1.20 (85) 0.82 (83) 1.20 (84) 1.82 (84) Fixed Income Policy 3.54 (85) 2.65 (76) 0.55 (74) 5.97 (67) -2.02 (74) 2.31 (84) Median -1.37 -0.89 1.65 1.36 1.56 2.64 2.15 Median 4.05 3.10 0.82 6.16 -1.56 Comparative Performance 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr Ending Ending Ending Ending Ending Ending Dec-2017 Sep-2017 Jun-2017 Mar-2017 Dec-2016 Sep-2016 Total Domestic Fixed Income 0.93 (4) 0.45 (100) 1.35 (91) 1.05 (34) -2.52 (20) 0.27 (95) Fixed Income Policy 0.39 (81) 0.85 (76) 1.45 (76) 0.82 (77) -2.98 (76) 0.46 (77) IM U.S. Broad Market Core Fixed Income (SA+CF) Median 0.92 1.54 0.93 0.69 0.52 -2.80



## 3 Yr Rolling Under/Over Performance - 5 Years € 8.0 Over otal Domestic Fixed Income 0.0 0.7 0.9 Performance Under Performance 4.0 2.0 6.0 8.0 0.0 Fixed Income Policy (%) X Latest Date Over Performance Earliest Date





3.24								
2.88 = 2.52 = 2.16 =								
1.60		0						
1.44 2.85	2.88	2.91	2.94	2.97	3.00	3.03	3.06	3.09
			Risk (Sta	ndard Deviation	on %)			

0 (0%)

0 (0%)

0 (0%)

20 (100%)

20

Return	Deviation
1.65	2.68
1.20	2.65
1.56	2.63
	1.65 1.20

	Return	Standard Deviation
<ul> <li>Total Domestic Fixed Income</li> </ul>	2.85	3.04
<ul> <li>Fixed Income Policy</li> </ul>	1.82	2.91
Median	2.15	2.91

listorical Statistics - 3 Year	S							
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Total Domestic Fixed Income	1.03	101.82	87.01	0.53	0.43	0.44	0.93	1.70
Fixed Income Policy	0.00	100.00	100.00	0.00	N/A	0.28	1.00	1.85
listorical Statistics - 5 Year	s							
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Total Domestic Fixed Income	1.03	112.46	87.29	1.04	0.98	0.84	0.99	1.78
Fixed Income Policy	0.00	100.00	100.00	0.00	N/A	0.53	1.00	1.90

Fixed Income Policy

Peer Group Scattergram - 5 Years



## Peer Group Analysis - IM U.S. Broad Market Core Fixed Income (SA+CF) 5.30 12.00 4.49 10.00 3.68 8.00 0 2.87 6.00 0 0 2.06 0 4.00 Return Return 1.25 0 0 0 2.00 0.44 00 0.00 -0.37 0 -2.00 0 -1.18 -4.00 -1.99 -2.80 -6.00 QTR **FYTD** 1 YR 2 YR 3 YR 4 YR 5 YR 2017 2016 2015 2014 2013 Garcia Hamilton Fixed -0.66 (6) 0.27 2.09 (21) 1.48 (47) 1.65 (44) 3.07 2.85 (8) Garcia Hamilton Fixed 3.84 (62) 3.12 (49) 0.67 (64) 8.04 (3) (19)0.09 (6) Blmbg. Barc. U.S. Aggregate Index -1.46 (68) -1.08 (76) 1.20 0.82 (83) 1.20 (84) 1.82 (84) Blmbg. Barc. U.S. Aggregate Index 3.54 (85) 2.65 (76) 0.55 (74) 5.97 (67) 2.02 (74) (85)2.31 (84) Median -1.37 -0.89 1.65 1.36 2.64 2.15 Median 4.05 3.10 0.82 1.56 1.56 6.16 Comparative Performance 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr Ending Ending Ending Ending Ending Ending Dec-2017 Sep-2017 Jun-2017 Mar-2017 Dec-2016 Sep-2016 Garcia Hamilton Fixed 0.93 (4) 0.45 (100) 1.35 (91) 1.05 (34) -2.52 (20) 0.27 (95) Blmbg. Barc. U.S. Aggregate Index 0.39 (81) 0.85 (76) 1.45 (76) 0.82 (77) -2.98 (76) 0.46 (77) IM U.S. Broad Market Core Fixed Income (SA+CF) Median 0.92 1.54 0.69 0.52 0.93 -2.80



Standard

## 3 Yr Rolling Under/Over Performance - 5 Years 8.0 Over (%) Performance Garcia Hamilton Fixed 0.7 0.9 0.9 Under Performance 0.0 4.0 2.0 6.0 8.0 0.0 Blmbg. Barc. U.S. Aggregate Index (%)

## 3 Yr Rolling Percentile Ranking - 5 Years Return Percentile Rank 25.0 50.0 000000000000000 75.0 100.0 12/13 12/14 6/15 12/15 6/16 12/16 6/17 3/18 6/13 5-25 25-Median Median-75 75-95 **Total Period** Count Count Count Count Garcia Hamilton Fixed 17 13 (76%) 3 (18%) 1 (6%) 0 (0%) Blmbg. Barc. U.S. Aggregate Index 20 0 (0%) 0 (0%) 0 (0%) 20 (100%

## Peer Group Scattergram - 3 Years 1.80 1.40 1.20 0 1.00 2.62 2.63 2.64 2.65 2.66 2.67 2.68 2.69 Risk (Standard Deviation %)

X Latest Date

Earliest Date

Over Performance

3.24								
2.88 =								
2.88 = 2.52 = 2.16 =								
2.16								
1.80		0						
1.44			1	1	1	1	1	
2.85	2.88	2.91	2.94	2.97	3.00	3.03	3.06	3.09
			Risk (Sta	ndard Deviation	on %)			

Peer Group Scattergram - 5 Years

	Return	Deviation
<ul> <li>Garcia Hamilton Fixed</li> </ul>	1.65	2.68
<ul> <li>Blmbg. Barc. U.S. Aggregate Index</li> </ul>	1.20	2.65
Median	1.56	2.63

	Return	Standard Deviation
<ul> <li>Garcia Hamilton Fixed</li> </ul>	2.85	3.04
<ul> <li>Blmbg. Barc. U.S. Aggregate Index</li> </ul>	1.82	2.91
Median	2.15	2.91

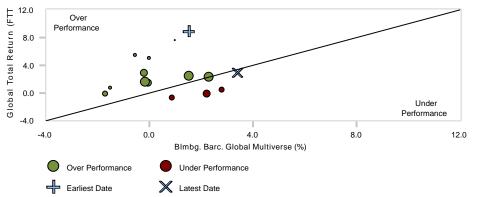
Historical Statistics - 3 Years								
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Garcia Hamilton Fixed	1.03	101.82	87.01	0.53	0.43	0.44	0.93	1.70
Blmbg. Barc. U.S. Aggregate Index	0.00	100.00	100.00	0.00	N/A	0.28	1.00	1.85
Historical Statistics - 5 Years								
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Garcia Hamilton Fixed	1.03	112.46	87.29	1.04	0.98	0.84	0.99	1.78
Blmbg. Barc. U.S. Aggregate Index	0.00	100.00	100.00	0.00	N/A	0.53	1.00	1.90



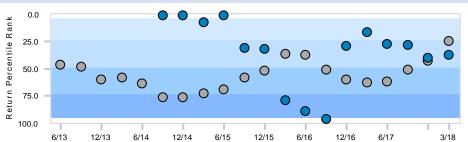
## Peer Group Analysis - IM Global Fixed Income (MF) 14.00 20.00 12.00 16.00 10.00 12.00 8.00 8.00 0 0 6.00 4.00 Return Return 00 4.00 0.00 0 0 0 2.00 -4.00 0.00 -8.00 -12.00 -2.00 -4.00 -16.00 QTR **FYTD** 1 YR 2 YR 3 YR 4 YR 5 YR 2017 2016 2015 2014 2013 Templeton Global Total Return (FTTRX) R6 1.64 (27) -0.11 (89) 0.34 (100) 6.72 (4) 2.81 (37) 2.22 (37) 2.20 (31) Templeton Global Total Return (FTTRX) R6 3.22 (85) 3.81 (2) 4.53 (68) 3.63 (62) 3.80 (2) Blmbg. Barc. Global Multiverse 1.30 (33) 2.37 (24) 7.05 (27) 2.93 (55) 3.41 (25) 1.57 (57) 1.69 (50) Blmbg. Barc. Global Multiverse 7.69 (30) 2.84 (53) 3.29 (39) 3.48 (63) 2.19 (47) Median 0.74 1.63 5.57 2.40 1.72 1.69 Median 3.82 3.27 3.88 1.91 2.52 3.10 Comparative Performance 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr Ending Ending Ending Ending Ending Ending Dec-2017 Sep-2017 Jun-2017 Mar-2017 Dec-2016 Sep-2016 Templeton Global Total Return (FTTRX) R6 -1.73 (100) 1.46 (59) -0.99 (100) 4.56 (4) 8.36 (1) -0.34 (100) Blmbg. Barc. Global Multiverse 1.06 (18) 1.88 (24)2.64 (33) 1.90 (53)-6.68 (75)1.05 (69) IM Global Fixed Income (MF) Median 0.67 -4.37 1.43 1.58 2.27 1.95



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

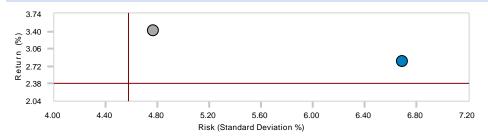


## 3 Yr Rolling Percentile Ranking - 5 Years



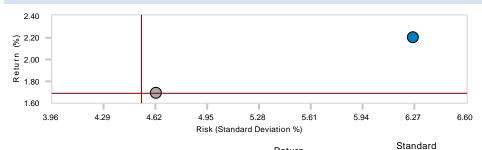
		Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count	
	Templeton Global Total Return (FTTRX) R6	15	5 (33%)	7 (47%)	0 (0%)	3 (20%)	
0	Blmbg. Barc. Global Multiverse	20	1 (5%)	5 (25%)	12 (60%)	2 (10%)	

## Peer Group Scattergram - 3 Years



	Return	Standard Deviation
<ul> <li>Templeton Global Total Return (FTTRX) R6</li> </ul>	2.81	6.70
<ul> <li>Blmbg. Barc. Global Multiverse</li> </ul>	3.41	4.77
Median	2.40	4.57

## Peer Group Scattergram - 5 Years



	Return	Standard Deviation
<ul> <li>Templeton Global Total Return (FTTRX) R6</li> </ul>	2.20	6.26
<ul> <li>Blmbg. Barc. Global Multiverse</li> </ul>	1.69	4.62
Median	1.69	4.53

## Historical Statistics - 3 Years

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Templeton Global Total Return (FTTRX) R6	8.62	-5.91	-72.12	3.57	-0.06	0.37	-0.15	3.98
Blmbg. Barc. Global Multiverse	0.00	100.00	100.00	0.00	N/A	0.63	1.00	3.24

## Historical Statistics - 5 Years

	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
Templeton Global Total Return (FTTRX) R6	7.24	25.98	-8.95	2.05	0.08	0.33	0.19	3.96
Blmbg. Barc. Global Multiverse	0.00	100.00	100.00	0.00	N/A	0.32	1.00	3.28



## Peer Group Analysis - IM Global Fixed Income (MF) 14.00 20.00 12.00 16.00 10.00 12.00 8.00 8.00 0 6.00 4.00 Return Return 0 0 4.00 0.00 0 0 0 2.00 -4.00 00 0.00 -8.00 -12.00 -2.00 -4.00 -16.00 QTR FYTD 1 YR 2 YR 3 YR 4 YR 5 YR 2017 2016 2015 2014 2013 PIMCO Diversified (PDIIX) -0.60 (90) 0.18 (82) 4.84 (58) 7.94 (1) 5.32 (1) 4.95 (1) N/A PIMCO Diversified (PDIIX) 8.91 (14) 0.16 (2) 1.25 (1) 3.05 (37) N/A Blmbg. Barc. Global Credit (Hedged) -1.15 (96) -0.14 (89) 3.11 (73) 4.28 (34) 3.13 (29) 3.67 (4) Blmbg. Barc. Global Credit (Hedged) 5.89 (70) 7.33 (7) 0.20 (14) 6.64 (10) 0.68 (16) 3.92 (4) Median 0.74 1.63 5.57 3.10 2.40 1.72 1.69 Median 6.82 3.27 3.88 1.91 2.52 Comparative Performance 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr Ending Ending Ending Ending Ending Ending Dec-2017 Sep-2017 Jun-2017 Mar-2017 Dec-2016 Sep-2016



3.47 (1)

2.32 (15)

1.43

2.37 (45)

1.79 (64)

2.27

3.26 (10)

(66)

1.52

1.95

-0.96 (14)

-1.70 (28)

-4.37

2.23 (16)

(60)

1.44

1.58

PIMCO Diversified (PDIIX)

Blmbg. Barc. Global Credit (Hedged)

IM Global Fixed Income (MF) Median

0.78 (38)

1.02 (19)

0.67

4.32

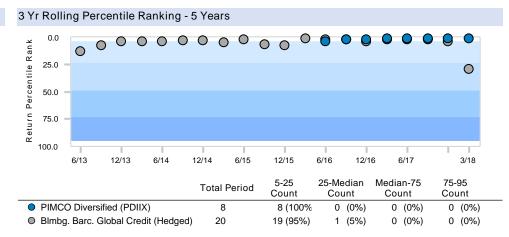
4.56

Standard Deviation N/A 3.26

4.53

4.80

# 3 Yr Rolling Under/Over Performance - 5 Years Over Performance 1.0 Over Performance 2.0 Logo Bimbg. Barc. Global Credit (Hedged) (%) Over Performance Earliest Date Latest Date



1.69

## Peer Group Scattergram - 3 Years 5.88 **3** 4.90 3.92 2.94 $\bigcirc$ 1.96 0.98 2.61 2.90 3.19 3.48 3.77 4.06 4.35 4.64 Risk (Standard Deviation %) Standard

	1.95						_
	1.30	1	I			1	
4.93	2.88	3.12	3.36	3.60	3.84	4.08	
				Risk (Star	ndard Deviatio	on %)	
					Return		
	<ul><li>PIMCO D</li></ul>	PIMCO Diversified (PDIIX)			N/A		
	<ul> <li>Blmbg. Barc. Global Credit (Hedged)</li> </ul>			3.67			

Peer Group Scattergram - 5 Years

4.55 3.90

3.25 2.60

\_\_ Median

	Return	Deviation
<ul> <li>PIMCO Diversified (PDIIX)</li> </ul>	5.32	4.21
<ul><li>Blmbg. Barc. Global Credit (Hedged)</li></ul>	3.13	3.05
Median	2.40	4.57
Historical Statistics - 3 Years		

Historical Statistics - 3 Years								
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
PIMCO Diversified (PDIIX)	2.05	136.47	99.76	1.45	1.05	1.14	1.23	2.28
Blmbg. Barc. Global Credit (Hedged)	0.00	100.00	100.00	0.00	N/A	0.87	1.00	1.76
Historical Statistics - 5 Years								
	Tracking Error	Up Market Capture	Down Market Capture	Alpha	Information Ratio	Sharpe Ratio	Beta	Downside Risk
PIMCO Diversified (PDIIX)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Blmbg. Barc. Global Credit (Hedged)	0.00	100.00	100.00	0.00	N/A	1.03	1.00	1.95



## Peer Group Analysis - IM Flexible Portfolio (MF) 20.00 44.00 17.00 36.00 14.00 28.00 11.00 20.00 0 8.00 0 12.00 0 Return Return 5.00 4.00 0 2.00 -4.00 -1.00 0 -12.00 -4.00 -20.00 -7.00 -10.00 -28.00 QTR FYTD 1 YR 2 YR 3 YR 4 YR 5 YR 2017 2016 2015 2014 2013 Westwood Income Opportunity Fund (WHGIX) -2.20 (83) 1.07 (64) 4.58 (71) 6.75 (72) N/A N/A N/A Westwood Income Opportunity Fund (WHGIX) N/A N/A ).96 (62)3.66 (44)N/A Real Return Policy Real Return Policy -1.03 (50) 2.42 (37) 7.53 (47) 8.05 (55) 6.04 (14) N/A N/A 1.37 (49)1.38 (39)N/A N/A N/A Median -1.04 1.73 4.01 5.15 Median 2.09 3.21 3.59 3.46 .07 7.04 8.42 4.17 Comparative Performance 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr Ending Ending Ending Ending Ending Ending Dec-2017 Sep-2017 Jun-2017 Mar-2017 Dec-2016 Sep-2016 Westwood Income Opportunity Fund (WHGIX) 3.35 (37) 1.36 (87) 2.07 (59) 3.77 (53) 0.74 (30) 0.54 (93) Real Return Policy 3.49 (33) 2.66 (58)2.26 (53)3.43 (60)0.42 (37) 2.15 (70) IM Flexible Portfolio (MF) Median 2.89 2.83 2.32 3.87 -0.22 3.04



## Peer Group Analysis - IM U.S. Open End Private Real Estate (SA+CF) 20.00 29.00 26.00 17.00 23.00 14.00 20.00 0 0 11.00 0 17.00 Return Return 0 00 8.00 0 14.00 0 0 5.00 00 11.00 0 0 2.00 8.00 -1.00 5.00 2.00 -4.00 QTR FYTD 1 YR 2 YR 3 YR 4 YR 5 YR 2017 2016 2015 2014 2013 American Core Realty 2.23 (50) 4.00 (82) 8.04 (85) 7.38 (88) N/A N/A N/A American Core Realty 8.08 (50) 7.10 (97) N/A N/A N/A NCREIF OEDC 2.15 (62) 4.35 (58) 8.38 (66) 10.25 (61) 10.99 (66) NCREIF OEDC 7.80 (57) 9.27 12.28 (78) 13.34 (60) 8.14 (77) 11.45 (70) (55)15.17 (51) Median 2.23 4.53 8.62 8.66 10.38 11.37 12.13 Median 8.08 9.52 15.23 13.59 14.47 Comparative Performance 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr 1 Qtr Ending Ending Ending Ending Ending Ending Dec-2017 Sep-2017 Jun-2017 Mar-2017 Dec-2016 Sep-2016 American Core Realty 1.73 (89) 1.88 (44) 1.97 (40) 2.27 (30) 1.20 (81) 1.83 (71) NCREIF OEDC 2.15 (57) 1.89 (44)1.71 (69)1.83 (53)2.16 (57) 2.18 (50) IM U.S. Open End Private Real Estate (SA+CF) Median 1.75 1.91 2.26 2.16 2.25 1.91



	Weight (%)	
Jan-1973		
S&P 500 Index	60.00	
Blmbg. Barc. U.S. Gov't/Credit	40.00	
Jul-2003		
Citigroup 3 Month T-Bill Index	5.00	
Bloomberg Barclays Intermediate US Govt/Credit Idx	35.00	
S&P 500 Index	60.00	
Jul-2007		
Russell 3000 Index	55.00	
Bloomberg Barclays Intermed Aggregate Index	35.00	
MSCI EAFE (Net) Index	5.00	
Citigroup 3 Month T-Bill Index	5.00	
Jan-2008		
Russell 3000 Index	50.00	
Bloomberg Barclays Intermed Aggregate Index	40.00	
MSCI EAFE (Net) Index	10.00	
Apr-2010		
Russell 3000 Index	50.00	
MSCI AC World ex USA (Net)	15.00	
Bloomberg Barclays Intermed Aggregate Index	35.00	
Jul-2011		
Russell 3000 Index	50.00	
MSCI AC World ex USA (Net)	15.00	
Blmbg. Barc. U.S. Aggregate Index	35.00	
Apr-2015		
Russell 3000 Index	50.00	
MSCI AC World ex USA (Net)	10.00	
Blmbg. Barc. U.S. Aggregate Index	35.00	
Real Return Policy	5.00	
Jul-2015		
Russell 3000 Index	50.00	
MSCI AC World ex USA (Net)	10.00	
Blmbg. Barc. U.S. Aggregate Index	30.00	
Real Return Policy	5.00	
NCREIF OEDC	5.00	



Fixed Income Policy			
		Weight (%)	
Feb-2003			
Blmbg. Barc. U.S. Gov't/Credit		100.00	
Jul-2003			
Bloomberg Barclays Intermediate US Govt/Credit Idx		100.00	
Jul-2007			
Bloomberg Barclays Intermed Aggregate Inde	x	100.00	
Apr-2011			
Blmbg. Barc. U.S. Aggregate Index		100.00	
Total Facility Ballian		Total latera effect   Dellace	
Total Equity Policy		Total International Policy	44.4.4.5
	Weight (%)		Weight (%)
Jan-1926		Nov-2007	
S&P 500 Index	100.00	MSCI EAFE (Net) Index	100.00
Oct-2007		Apr-2010	
Russell 3000 Index	92.00	MSCI AC World ex USA (Net)	100.00
MSCI EAFE (Net) Index	8.00		
Apr-2010			
Russell 3000 Index	75.00		
MSCI AC World ex USA (Net)	25.00		
Apr-2015			
Russell 3000 Index	80.00		
MSCI AC World ex USA (Net)	20.00		



	Estimated Annual Fee (%)	Market Value (\$)	Estimated Annual Fee (\$)	Fee Schedule
Argent Capital Growth Portfolio	0.68	5,946,673	40,733	1.00 % of First \$1 M 0.80 % of Next \$1 M 0.65 % of Next \$2 M 0.50 % Thereafter
Dana Investment Advisors Equity Portfolio	0.65	6,293,159	40,906	0.65 % of Assets
Clarkston Partners, Inst (CISMX)	1.03	2,467,996	25,420	1.03 % of Assets
Vanguard Inst Index (VINIX)	0.04	8,218,113	3,287	0.04 % of Assets
Total Domestic Equity	0.48	22,925,942	110,347	
RBC Int'l (Voyageur)	0.95	3,514,116	33,384	0.95 % of Assets
Transamerica Int'l Equity R6 (TAINX)	0.79	2,216,306	17,509	0.79 % of Assets
Total International Equity	0.89	5,730,422	50,893	
Garcia Hamilton Fixed	0.25	8,954,215	22,386	0.25 % of Assets
Total Domestic Fixed Income	0.25	8,954,215	22,386	
Templeton Global Total Return (FTTRX) R6	0.66	1,866,223	12,317	0.66 % of Assets
PIMCO Diversified (PDIIX)	0.75	2,041,893	15,314	0.75 % of Assets
Total Global Fixed Income	0.71	3,908,115	27,631	
Westwood Income Opportunity Fund (WHGIX)	0.84	1,688,358	14,182	0.84 % of Assets
Real Return Composite	0.84	1,688,358	14,182	
American Core Realty	1.10	2,982,407	32,806	1.10 % of Assets
Total Real Estate (Composite)	1.10	2,982,407	32,806	
Total Fund	0.56	46,502,778	258,245	



**Active Return** 

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

Alpha

- A measure of the difference between a portfolio's actual performance and its expected return based on its level of risk as determined by beta. It determines the portfolio's non-systemic return, or its historical performance not explained by movements of the market.

Beta

- A measure of the sensitivity of a portfolio to the movements in the market. It is a measure of the portfolio's systematic risk.

Consistency

- The percentage of quarters that a product achieved a rate of return higher than that of its benchmark. Higher consistency indicates the manager has contributed more to the product's performance.

Distributed to Paid In (DPI)

- The ratio of money distributed to Limited Partners by the fund, relative to contributions. It is calculated by dividing cumulative distributions by paid in capital. This multiple shows the investor how much money they got back. It is a good measure for evaluating a fund later in its life because there are more distributions to measure against.

**Down Market Capture** 

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

**Downside Risk** 

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

**Excess Return** 

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

Excess Risk

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

Information Ratio

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

**Public Market Equivalent (PME)** 

- Designs a set of analyses used in the Private Equity Industry to evaluate the performance of a Private Equity Fund against a public benchmark or index.

R-Squared

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

Return

- Compounded rate of return for the period.

**Sharpe Ratio** 

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

**Standard Deviation** 

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

Total Value to Paid In (TVPI)

- The ratio of the current value of remaining investments within a fund, plus the total value of all distributions to date, relative to the total amount of capital paid into the fund to date. It is a good measure of performance before the end of a fund's life

**Tracking Error** 

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

**Treynor Ratio** 

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

**Up Market Capture** 

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

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