Investment Performance Review Period Ending September 30, 2019

# **Delray Beach General Employees Pension Fund**



### **Table Of Contents**

1	Market Environment	Page 1
2	Compliance Report	Page 10
3	Asset Allocation Compliance	Page 12
4	Asset Allocation Pie Chart	Page 16
5	Financial Reconciliation Quarter to Date	Page 18
6	Asset Allocation & Performance Trailing Periods (gross)	Page 20
7	Asset Allocation & Performance Trailing Periods (net)	Page 22
8	Asset Allocation & Performance Fiscal Year Periods (gross)	Page 24
9	Asset Allocation & Performance Fiscal Year Periods (net)	Page 27
10	Historical Rolling Performance Total Fund	Page 29
11	Historical Rolling Performance Total Fund Policy	Page 30
12	Returns Based Analysis	Page 31
13	Vanguard Total Stock MKT (VTSAX) Returns Based Analysis	Page 35
14	Boston LCV Returns Based Analysis	Page 36
15	Rhumbline LCV Returns Based Analysis	Page 40
16	Rhumbline LCG Returns Based Analysis	Page 44
17	Rhumbline MC Returns Based Analysis	Page 48
18	Harding Loevner International Returns Based Analysis	Page 52
19	Harding Loevner Emerging Markets Returns Based Analysis	Page 56
20	Blackrock Multi-Asset Returns Based Analysis	Page 63
21	Financial Reconciliation 2 Quarter Before	Page 64
22	Benchmark History	Page 68
23	Definitions & Disclosure Pages	Page 71

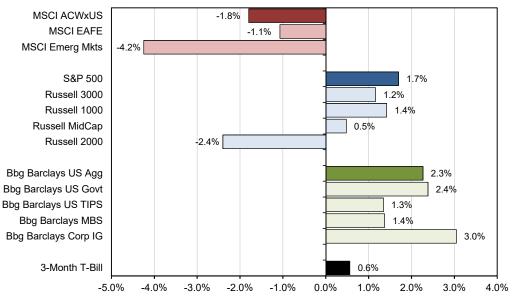


**3rd Quarter 2019 Market Environment** 

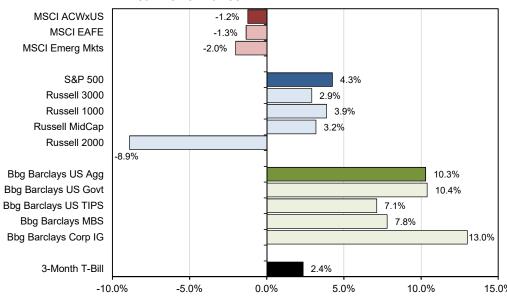


- Broad asset class returns were mixed during the 3rd quarter of 2019 with both US large cap equity and fixed income indices extending their year-to-date gains while US small cap and international indices declined. Volatility was high during the period as investors weighed the effects of ongoing trade disruption and slowing global economic data against the announcement of several new central bank stimulus measures. US stocks continued their year-to-date outperformance relative to international stocks during the period. US markets faced headwinds from continued escalation in the ongoing trade dispute with China, slowing economic data, particularly with regards to manufacturing, and political uncertainty following a late quarter impeachment inquiry against President Donald Trump. However, markets were supported by easing monetary policy from the Federal Reserve (Fed) which cut interest rates twice during the period. In general, lower risk assets performed better through the period as investors weighed the increased risk of a recession. Within domestic equity markets, large cap stocks outperformed small cap equities during the quarter with the S&P 500 Index returning 1.7% versus a -2.4% return on the small cap Russell 2000 Index. US equity returns over the 1-year period were positive for large and mid-cap stocks, returning 4.3% and 3.2% respectively, but small cap stocks posted a loss, falling -8.9%.
- International markets posted negative returns for the 3rd quarter. Similar to US markets, international returns were impacted by continued weakness in economic data, heightened geopolitical uncertainly around global trade and Brexit and newly announced stimulus measures from global central banks including the European Central Bank (ECB) and Peoples Bank of China (PBoC). International returns also faced headwinds from a strengthening US dollar (USD) which appreciated against most major currencies during the period. Developed markets continued their outperformance relative to emerging markets during the period with the MSCI EAFE Index falling -1.1% versus a -4.2% decline for the MSCI Emerging Markets Index. Both developing and emerging markets posted slight losses over the 1-year period, returning -1.3% and -2.0% respectively.
- Fixed income returns outperformed equities during the 3rd quarter as investors looked for relative safety amid the equity market volatility. The broad market Bloomberg Barclays Aggregate Index gained 2.3% as interest rates fell following central bank stimulus from the Fed and other global central banks. The US Treasury Yield Curve also inverted in August, contributing to growing concern around the potential for an upcoming recession. Investment grade corporate issues were the best performing securities for the third quarter in a row, returning 3.0%, outperforming Treasury and securitized issues. Corporate issues benefitted from their relatively high duration and yield. The bond market has meaningfully outperformed the equity market over the trailing 1-year period with the Bloomberg Barclays Aggregate posting a solid 10.3% return.

#### **Quarter Performance**

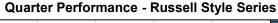


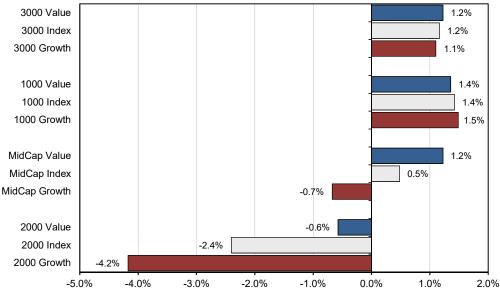
#### 1-Year Performance



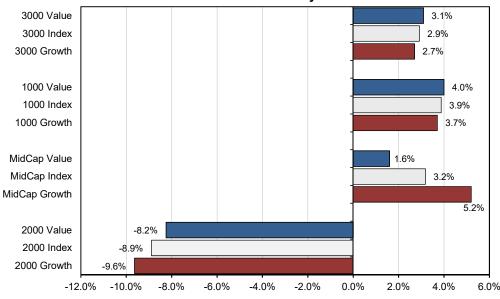


- US equity returns were modestly positive during the 3rd quarter, but results varied considerably across the style and capitalization spectrum. Data released during the quarter showed signs that the US economy could be slowing down. Weakening metrics around manufacturing and sentiment were particularly concerning and employment, typically a bright spot for the US economy, missed expectations for the pace of new jobs and hours worked. A likely contributor to the softening economic data is the ongoing trade war between the US and China. Despite last quarter's agreement to cease escalations following a meeting between President Trump and President Jinping at the G20 summit, the 3rd quarter saw the announcement and implementation of a series of new tariffs from both the US and China. Additionally, in response to new tariffs, the PBoC allowed the yuan to depreciate to its lowest level since 2008 leading US Treasury officials to accuse China of currency manipulation. Even with the apparent breakdown in relations between the two sides, both China and the US agreed to continue negotiations set to take place in October. Markets also reacted to the late quarter announcement of a formal impeachment inquiry against President Trump following a whistle blower report alleging that President Trump pressured the government of Ukraine to investigate the son of political opponent Joe Biden. Despite these substantial headwinds, the US equity market found support from Fed easing of monetary policy in the form of two separate interest rate cuts and ended the period with a gain. The Russell 3000 Index returned 1.2% and 2.9% for the quarter and 1-year period respectively.
- During the quarter, higher market cap stocks outperformed lower market cap stocks across the style spectrum. The large cap Russell 1000 Index gained 1.4% during the period versus a -2.4% return for the small cap Russell 2000 Index. Investors may have been attracted to large cap names as a result of the quarter's volatility as large cap stocks are typically viewed as less risky than their small cap counterparts. When viewed over the most recent 1-year period, large cap stocks significantly outperformed small cap stocks with the Russell 1000 posting a 3.9% gain while the while the Russell 2000 had considerable losses, declining -8.9%.
- In general, value stocks outperformed growth stocks during the 3rd quarter as investors gravitated toward the relative safety these securities typically provide. However, large cap growth stocks slightly outperformed large cap value stocks due to favorable holdings in the technology and industrials sectors as well as a large underweight to the underperforming energy sector. The Russell 1000 Growth Index was the best performing style index for the period, returning 1.5%, with the small cap growth index posting the lowest relative return, a loss of -4.2%. Results over the 1-year period are mixed with value stocks outperforming in large and small cap and growth stocks outperforming in midcap.



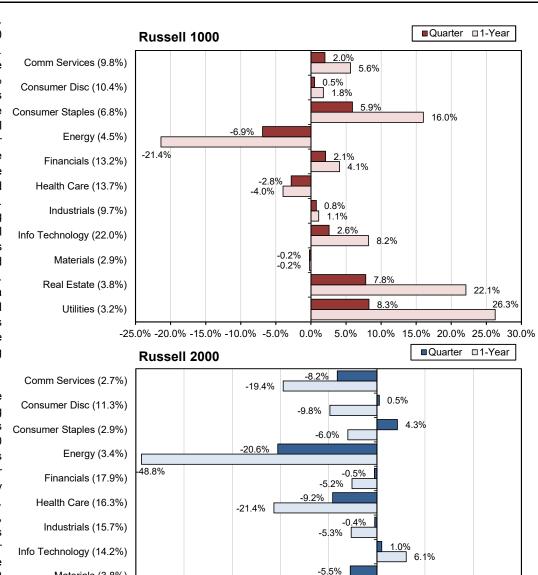


#### 1-Year Performance - Russell Style Series





- Sector performance was mixed across large cap sectors for the 3rd quarter. There were gains for eight out of eleven sectors within the Russell 1000 Index during the period with six sectors outpacing the return of the index. Defensive sectors such as utilities, real estate and consumer staples were the best performers through the quarter returning 8.3%, 7.8% and 5.9% respectively as investors looked toward these sectors for their higher yields and lower historical volatility. Energy, health care and materials stocks were Consumer Staples (6.8%) the worst performers during the period. Energy stocks fell -6.9% as crude oil prices fell during the period despite a sharp upward spike in September following a terrorist attack in Saudi Arabia that temporarily reduced the country's oil production, causing a large disruption in supply. Health care stocks also lagged, declining -2.8%, as discussions in Washington around the potential for increased regulation on drug pricing acted as a headwind. Health care reform has also been a major topic of discussion among candidates for the 2020 US Presidential election, creating additional uncertainty within the sector. Materials returned -0.2% as demand concerns weighed on the economically sensitive sector. Returns over the 1-year period were also generally positive with eight out of eleven sectors posting gains. Similar to the quarter's results, defensive sectors outperformed by a considerable margin. Utilities, real estate and consumer staples performed well returning 26.3%, 22.1% and 16.0% respectively. Technology returns were also strong gaining 8.2%. Energy, health care and materials were the only sectors to post negative results over the 1-year period with energy falling -21.4%, health care dropping -4.0% and materials returning -0.2%.
- Quarterly results for small cap sectors were worse than their large capitalization counterparts with all eleven sectors trailing their corresponding large cap equivalents. Five of eleven economic sectors produced gains during the period with seven of eleven sectors outpacing the Russell 2000 Index return for the quarter. Similar to large caps, defensive sectors performed well as investors gravitated toward their relative safety and higher yields. Utilities were the best performers, returning 5.4% followed closely by REITs and consumer staples which returned 5.1% and 4.3% respectively. The cyclically oriented energy sector was the largest detractor for the period. posting a loss of -20.6%. Health care and communication services stocks also experienced notable declines, falling -9.2% and -8.2% respectively. Over the trailing 1-year period, returns were broadly negative. Utilities, real estate and technology were the only sectors to post gains returning 20.1% 7.3% and 6.1%. The energy sector was an outlier in terms of negative returns dropping -48.8% during the period. There were also notable losses in health care, communication services and materials which declined -21.4%, -19.4% and -18.7% respectively.



-18.7%

-20.0%

-10.0%

0.0%

-30.0%



30.0%

20.1%

20.0%

5.1%

5.4%

10.0%

7.3%

Services sector

Materials (3.8%)

Utilities (4.0%)

-50.0%

-40.0%

Real Estate (7.7%)

Top 10 Weighted Stocks											
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector							
Microsoft Corp	3.82%	4.1%	22.9%	Information Technology							
Apple Inc	3.68%	13.6%	0.8%	Information Technology							
Amazon.com Inc	2.61%	-8.3%	-13.3%	Consumer Discretionary							
Facebook Inc A	1.55%	-7.7%	8.3%	Communication Services							
Berkshire Hathaway Inc B	1.48%	-2.4%	-2.8%	Financials							
JPMorgan Chase & Co	1.36%	6.0%	7.4%	Financials							
Alphabet Inc Class C	1.35%	12.8%	2.1%	Communication Services							
Alphabet Inc A	1.33%	12.8%	1.2%	Communication Services							
Johnson & Johnson	1.25%	-6.4%	-3.8%	Health Care							
Procter & Gamble Co	1.12%	14.2%	54.0%	Consumer Staples							

	Top 10 W	eighted Stoc	ks	
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector
NovoCure Ltd	0.34%	18.3%	42.7%	Health Care
Haemonetics Corp	0.33%	4.8%	10.1%	Health Care
Trex Co Inc	0.28%	26.8%	18.1%	Industrials
Science Applications International	0.27%	1.3%	10.4%	Information Technology
Portland General Electric Co	0.26%	4.8%	27.2%	Utilities
ONE Gas Inc	0.26%	7.0%	19.5%	Utilities
First Industrial Realty Trust Inc	0.26%	8.3%	29.3%	Real Estate
Southwest Gas Holdings Inc	0.26%	2.2%	18.2%	Utilities
Maximus Inc	0.25%	6.9%	20.4%	Information Technology
Teladoc Health Inc	0.25%	2.0%	-21.6%	Health Care

	40 5		0 - 4 - 3	
Тор	10 Performir	ig Stocks (by	/ Quarter)	
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector
Insulet Corp	0.04%	38.2%	55.7%	Health Care
CyrusOne Inc	0.03%	37.9%	28.8%	Real Estate
KLA Corp	0.09%	35.7%	61.1%	Information Technology
New York Community Bancorp Inc	0.02%	27.6%	28.7%	Financials
Entegris Inc	0.02%	26.3%	63.9%	Information Technology
Pilgrims Pride Corp	0.01%	26.2%	77.1%	Consumer Staples
Western Digital Corp	0.06%	25.4%	5.6%	Information Technology
DocuSign Inc	0.03%	24.6%	17.8%	Information Technology
Target Corp	0.19%	24.4%	24.3%	Consumer Discretionary
XPO Logistics Inc	0.02%	23.8%	-37.3%	Industrials

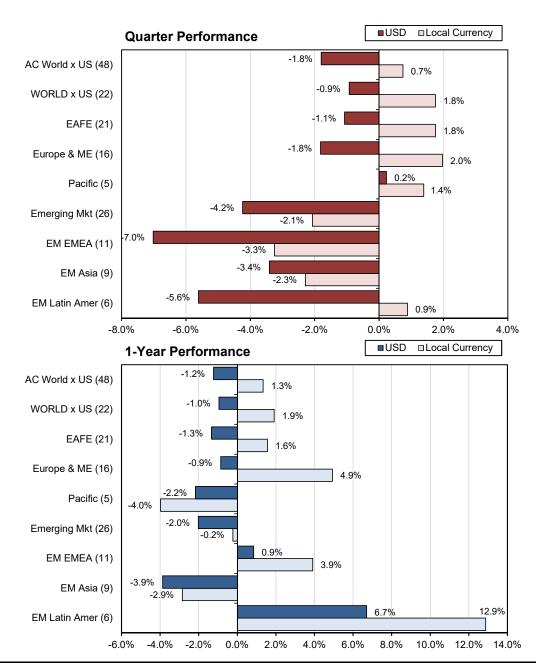
Тор	Top 10 Performing Stocks (by Quarter)											
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector								
NextCure Inc	0.00%	105.9%	N/A	Health Care								
Dova Pharmaceuticals Inc	0.01%	98.2%	33.3%	Health Care								
WW International Inc	0.09%	98.0%	-47.5%	Consumer Discretionary								
R.R.Donnelley & Sons Co	0.01%	94.7%	-27.6%	Industrials								
Infinera Corp	0.05%	87.3%	-25.3%	Information Technology								
Lannett Co Inc	0.02%	84.8%	135.8%	Health Care								
Owens & Minor Inc	0.02%	81.6%	-64.4%	Health Care								
Allakos Inc	0.08%	81.5%	74.8%	Health Care								
Solid Biosciences Inc	0.01%	79.8%	-78.1%	Health Care								
Ardelyx Inc	0.01%	74.7%	8.0%	Health Care								

Bottom 10 Performing Stocks (by Quarter)											
Russell 1000	Weight	1-Qtr Return	1-Year Return	Sector							
2U Inc	0.00%	-56.7%	-78.3%	Information Technology							
PG&E Corp	0.02%	-56.4%	-78.3%	Utilities							
Covetrus Inc	0.00%	-51.4%	N/A	Health Care							
Sarepta Therapeutics Inc	0.02%	-50.4%	-53.4%	Health Care							
Nektar Therapeutics Inc	0.01%	-48.8%	-70.1%	Health Care							
DXC Technology Co	0.03%	-46.2%	-67.9%	Information Technology							
Antero Resources Corp	0.00%	-45.4%	-82.9%	Energy							
Range Resources Corp	0.00%	-45.0%	-77.3%	Energy							
Pluralsight Inc Class A	0.00%	-44.6%	-47.5%	Information Technology							
Fluor Corp	0.01%	-42.5%	-66.1%	Industrials							

Bottom 10 Performing Stocks (by Quarter)											
Russell 2000	Weight	1-Qtr Return	1-Year Return	Sector							
Tocagen Inc	0.00%	-90.1%	-95.8%	Health Care							
Waitr Holdings Inc Class A	0.00%	-79.6%	-88.1%	Consumer Discretionary							
McDermott International Inc	0.02%	-79.1%	-89.0%	Energy							
Sonim Technologies Inc	0.00%	-77.0%	N/A	Information Technology							
Synlogic Inc	0.00%	-74.8%	-83.9%	Health Care							
Mallinckrodt PLC	0.01%	-73.7%	-91.8%	Health Care							
Clovis Oncology Inc	0.01%	-73.6%	-86.6%	Health Care							
Bloom Energy Corp Class A	0.01%	-73.5%	-90.5%	Industrials							
Chaparral Energy Inc Class A	0.00%	-71.5%	-92.4%	Energy							
Pacific Drilling SA	0.01%	-69.3%	-99.7%	Energy							



- Broad international equity returns were negative in USD terms for the 3rd quarter as US investors in international markets faced a meaningful headwind from a USD that strengthened against most major currencies. In local currency terms, developed markets were generally positive while emerging markets posted losses. The MSCI ACWI ex US Index gained 0.7% in local currency terms, but a USD investor experienced a loss of -1.8% due to the currency effect. Similar to US markets, international equity markets balanced headwinds from slowing economic data and concerns around global trade with tailwinds from central bank shifts toward more accommodative policies. Among others, the ECB and PBoC announced new stimulus measures during the quarter. The ECB cut its policy rate and committed to a new quantitative easing program and the PBoC announced new stimulus measures designed to encourage bank lending and reduce borrowing costs as it tries to counteract a cooling economy and the effects of its ongoing trade war with the US. The recent USD strength can also be seen over the 1-year period with USD returns trailing most local currency returns. Returns for the MSCI ACWI ex US Index were 1.3% in local currency terms and -1.2% in USD terms for the trailing year.
- Results for developed market international indices were generally positive in local currency terms, but negative in USD terms for the 3rd quarter, with the MSCI EAFE Index returning 1.8% and -0.9% respectively. Outside of central bank policy and trade, there were notable developments within the political sphere. In Europe, Christine Lagarde was nominated to succeed Mario Draghi as the head of the ECB. Japanese stocks rose as election results appeared to support continuity for Prime Minister Abe's ongoing policy efforts. In the UK, pro-Brexit Boris Johnson was appointed to prime minister, replacing Theresa May. The UK continues to face uncertainty around Brexit as its late October deadline to agree to a withdrawal agreement with the European Union (EU) quickly approaches. Stocks in Hong Kong fell as the government dealt with major pro-democracy protests throughout the quarter. The MSCI EAFE Index returned 1.6% and -1.3% for the last twelve months in local currency and USD terms respectively.
- Emerging markets continued their trend of 2019 underperformance relative to developed markets during the 3rd quarter, posting negative returns in both local currency and USD terms. The MSCI Emerging Markets Index fell -2.1% and -4.2% respectively. As expected, geopolitical tensions around trade continued to put pressure on emerging market stocks. Countries with greater sensitivities to commodity prices or a strong USD tended to underperform during the period. Argentina's stock market fell -46.8% as primary elections in the country saw the defeat of the country's current market friendly president. One year returns for the MSCI Emerging Market Index were -0.2% in local currency terms and -2.0% in USD terms.



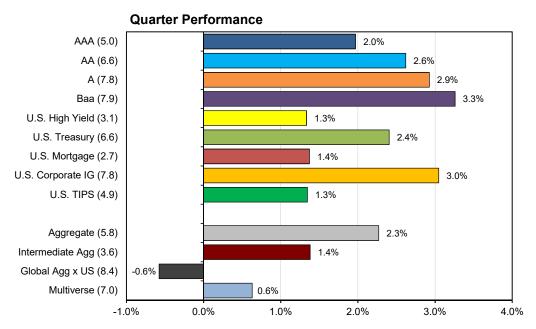


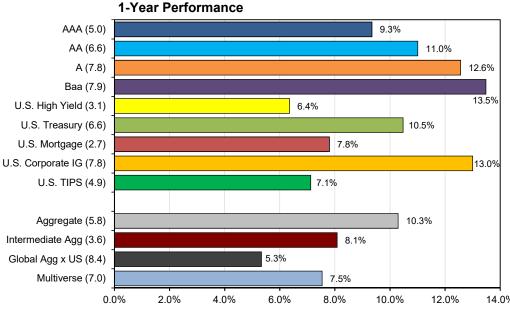
MSCI - EAFE	Sector Weight	Quarter Return	1-Year Return					
Communication Services	5.4%	-0.9%	-0.7%					
Consumer Discretionary	11.5%	0.3%	-2.0%					
Consumer Staples	12.0%	1.9%	6.9%					
Energy	5.1%	-6.5%	-14.5%					
Financials	18.6%	-2.6%	-6.3%					
Health Care	11.6%	2.4%	4.3%					
Industrials	14.7%	-2.0%	-2.1%					
Information Technology	6.7%	-0.5%	1.8%					
Materials	7.0%	-5.4%	-5.7%					
Real Estate	3.6%	-1.3%	4.3%					
Utilities	3.8%	2.4%	13.2%					
Total	100.0%	-1.1%	-1.3%					
MSCI - ACWIXUS	Sector Weight	Quarter Return	1-Year Return					
Communication Services	6.8%	-2.9%	-1.0%					
Consumer Discretionary	11.4%	-0.7%	-1.6%					
Consumer Staples	10.2%	1.5%	6.8%					
Energy	6.7%	-4.6%	-9.8%					
Financials	21.6%	-3.6%	-3.2%					
Health Care	8.5%	1.1%	0.9%					
Industrials	11.9%	-2.5%	-2.4%					
Information Technology	8.9%	2.2%	4.1%					
Materials	7.3%	-6.5%	-7.2%					
Real Estate	3.2%	-3.1%	5.0%					
Utilities	3.5%	1.3%	12.6%					
Total	100.0%	-1.8%	-1.2%					
MSCI - Emerging Mkt	Sector Weight	Quarter Return	1-Year Return					
Communication Services	11.6%	-5.2%	-2.5%					
Consumer Discretionary	13.1%	-3.1%	0.1%					
Consumer Staples	6.9%	-0.8%	3.0%					
Energy	7.7%	-4.0%	-2.3%					
Financials	24.7%	-8.0%	1.6%					
Health Care	2.6%	-6.6%	-24.2%					
Industrials	5.4%	-5.2%	-4.4%					
Information Technology	15.1%	5.6%	3.9%					
Materials	7.3%	-10.7%	-15.9%					
Real Estate	2.9%	-8.8%	6.8%					
Utilities	2.8%	-3.6%	7.2%					
Total	100.0%	-4.2%	-2.0%					

Description		MSCI-EAFE	MSCI-ACWIXUS	Quarter	1- Year
United Kingdom  16.4%  11.0%  2.25%  7.6%  1.17%  1.17%  1.18%  Switzerland  9.4%  6.3%  0.3%  12.0%  Germany  8.5%  5.7%  4.0%  7.7%  1.4%  6.1%  Netherlands  4.0%  2.7%  2.4%  9.5%  Possible 1.9%  Spain  2.9%  2.9%  2.0%  3.8%  3.5%  2.4%  1.19%  3.8%  3.5%  Spain  2.9%  2.0%  3.8%  3.5%  Sweden  2.0%  1.7%  4.8%  4.8%  4.9%  1.17%  4.8%  4.8%  4.8%  4.9%  1.17%  4.8%  3.9%  Denmark  1.8%  1.2%  1.0%  3.9%  Singapore  1.3%  0.9%  5.8%  5.8%  5.9%  1.7%  1.8%  1.9%  1.	Country				
United Kingdom	Japan	24.6%	16.5%	3.1%	-4.7%
Switzerland	United Kingdom	16.4%	11.0%	-2.5%	-2.9%
Germany	France	11.4%	7.6%	-1.7%	-1.6%
Australia 7.0% 4.7% -1.4% 6.1% 6.1% Netherlands 4.0% 2.7% 2.4% 9.5% 1-18% 9.5% 1-18	Switzerland	9.4%	6.3%	0.3%	12.0%
Netherlands	Germany	8.5%	5.7%	-4.0%	-7.1%
Hong Kong	Australia	7.0%	4.7%	-1.4%	6.1%
Spain   2.9%   2.0%   -3.8%   -3.5%	Netherlands	4.0%	2.7%	2.4%	9.5%
Sweden   2.6%   1.7%   4.8%   .9.0%   1.1aly   2.3%   1.6%   .0.1%   3.9%   1.2%   .1.0%   2.3%   3.9%   1.2%   .1.0%   2.3%   3.9%   3.9%   .1.2%   .1.0%   2.3%   3.9%   .1.2%   .1.0%   2.3%   3.9%   .1.2%   .1.0%   2.3%   3.9%   .0.2%   3.4%   .0.8%   .0.2%   .1.0%   0.7%   .1.8%   .9.3%   .1.2%	Hong Kong	3.5%	2.4%	-11.9%	-1.8%
Sweden	Spain	2.9%	2.0%	-3.8%	-3.5%
Denmark		2.6%	1.7%	-4.8%	-8.0%
Singapore   1,3%   0,9%   -5,8%   -0,2%	Italy	2.3%	1.6%	-0.1%	3.9%
Belgium	Denmark	1.8%	1.2%	-1.0%	2.3%
Finland	Singapore	1.3%	0.9%	-5.8%	-0.2%
Norway	Belgium	1.0%	0.7%	3.4%	-0.8%
Israel   0.6%   0.4%   -3.7%   -12.5%     Ireland   0.5%   0.4%   0.6%   -4.6%     New Zealand   0.2%   0.2%   -2.9%   10.0%     Austria   0.2%   0.2%   -3.1%   -16.0%     Portugal   0.2%   0.1%   1.6%   -2.5%     Total EAFE Countries   100.0%   67.0%   1.1%   1.3%     Canada   7.0%   0.5%   3.0%     Total Developed Countries   74.0%   -0.9%   -1.0%     China   8.3%   -4.7%   -3.9%     Korea   3.2%   -4.5%   -13.8%     Taiwan   3.0%   5.2%   -0.2%     India   2.3%   -5.2%   4.7%     Brazil   2.3%   -5.2%   4.7%     Brazil   2.3%   -4.6%   25.4%     South Africa   1.2%   -12.6%   -6.4%     Russia   1.0%   -1.4%   18.0%     Thailand   0.8%   -6.0%   -0.9%     Saudi Arabia   0.7%   -9.5%   4.0%     Mexico   0.7%   -9.5%   4.0%     Mexico   0.7%   -1.7%   -14.8%     Indonesia   0.5%   -5.2%   11.9%     Malaysia   0.5%   -6.3%   -10.4%     Philippines   0.3%   -1.2.1%   -12.2%     Qatar   0.3%   -0.2%   5.0%     Chile   0.3%   -7.3%   -16.8%     United Arab Emirates   0.2%   0.2%   -0.3%     Turkey   0.2%   11.7%   16.5%     Colombia   0.1%   -3.9%   3.4%     Argentina   0.1%   -4.6%   -3.2.3%     Czech Republic   0.0%   -1.1%   -42.6%     Paksitan   0.0%   -1.1%   -42.6%     Cach   -1.2.6%   -4.2%   -2.0%     Total Emerging Countries   26.0%   -4.2%   -2.0%	Finland	1.0%	0.7%	-1.8%	-9.3%
Ireland	Norway	0.7%	0.4%	-3.4%	-13.4%
New Zealand   0.2%   0.2%   -2.9%   10.0%   Austria   0.2%   0.2%   0.2%   -3.1%   -16.0%   -16.0%   0.2%   0.1%   1.6%   -2.5%   101.0%   1.6%   -2.5%   101.0%   1.6%   -2.5%   101.0%   1.6%   -2.5%   101.0%   1.6%   -2.5%   101.0%   1.1%   -1.3%   1.3%   1.3%   1.0%   1.	Israel	0.6%	0.4%	-3.7%	-12.5%
Austria   0.2%   0.2%   -3.1%   -16.0%     Portugal   0.2%   0.1%   1.6%   -2.5%     Total EAFE Countries   100.0%   67.0%   1.1%   -1.3%     Canada   7.0%   0.5%   3.0%     Total Developed Countries   74.0%   -0.9%   -1.0%     China   8.3%   -4.7%   -3.9%     Korea   3.2%   -4.5%   -13.8%     Taiwan   3.0%   5.2%   -0.2%     India   2.3%   -5.2%   4.7%     Brazil   2.0%   -4.6%   25.4%     South Africa   1.2%   -12.6%   -6.4%     Russia   1.0%   -1.4%   18.0%     Thailand   0.8%   -6.0%   -0.9%     Saudi Arabia   0.7%   -9.5%   4.0%     Mexico   0.7%   -1.7%   -14.8%     Indonesia   0.5%   -5.2%   11.9%     Malaysia   0.5%   -6.3%   -10.4%     Philippines   0.3%   -4.6%   13.1%     Poland   0.3%   -12.1%   -12.2%     Qatar   0.3%   -0.2%   5.0%     Chile   0.3%   -7.3%   -16.8%     United Arab Emirates   0.2%   -0.3%   -7.3%   -16.8%     United Arab Emirates   0.2%   -0.3%   -7.3%   -16.8%     United Arab Emirates   0.1%   -7.3%   -7.3%     Greece   0.1%   -3.1%   6.8%     Hungary   0.1%   -3.1%   6.8%     Argentina   0.1%   -3.9%   3.4%     Argentina   0.1%   -3.9%   3.4%     Argentina   0.0%   7.4%   21.5%     Pakistan   7.0da Emerging Countries   26.0%   -4.2%   -2.0%    Total Emerging Countries   26.0%   -4.2%   -2.0%	Ireland	0.5%	0.4%	-0.6%	-4.6%
Portugal	New Zealand	0.2%	0.2%	-2.9%	10.0%
Portugal	Austria		0.2%	-3.1%	-16.0%
Canada         7.0%         0.5%         3.0%           Total Developed Countries         74.0%         0.9%         -1.0%           China         8.3%         4.7%         -3.9%           Korea         3.2%         4.5%         -13.8%           Taiwan         3.0%         5.2%         -0.2%           India         2.3%         -5.2%         4.7%           Brazil         2.0%         4.6%         25.4%           South Africa         1.2%         -12.6%         -6.4%           Russia         1.0%         -1.4%         18.0%           Thailand         0.8%         -6.0%         -0.9%           Saudi Arabia         0.7%         -9.5%         4.0%           Mexico         0.7%         -9.5%         4.0%           Indonesia         0.5%         -5.2%         11.9%           Malaysia         0.5%         -5.2%         11.9%           Malaysia         0.5%         -6.3%         -10.4%           Philippines         0.3%         -4.6%         13.1%           Poland         0.3%         -12.1%         -12.2%           Qatar         0.3%         -0.2%         5.0%	Portugal	0.2%		1.6%	-2.5%
Total Developed Countries         74.0%         -0.9%         -1.0%           China         8.3%         -4.7%         -3.9%           Korea         3.2%         -4.5%         -13.8%           Taiwan         3.0%         5.2%         -0.2%           India         2.3%         -5.2%         4.7%           Brazil         2.0%         -4.6%         25,4%           South Africa         1.2%         -12.6%         -6.4%           Russia         1.0%         -1.4%         18.0%           Thailand         0.8%         -6.0%         -0.9%           Saudi Arabia         0.7%         -9.5%         4.0%           Mexico         0.7%         -1.7%         -14.8%           Indonesia         0.5%         -5.2%         11.9%           Malaysia         0.5%         -5.2%         11.9%           Malaysia         0.5%         -6.3%         -10.4%           Philippines         0.3%         -4.6%         13.1%           Qatar         0.3%         -12.1%         -12.2%           Qatar         0.3%         -7.3%         -16.8%           United Arab Emirates         0.2%         -0.2%         -0.3% <td>Total EAFE Countries</td> <td>100.0%</td> <td>67.0%</td> <td>-1.1%</td> <td>-1.3%</td>	Total EAFE Countries	100.0%	67.0%	-1.1%	-1.3%
China         8.3%         -4.7%         -3.9%           Korea         3.2%         -4.5%         -13.8%           Taiwan         3.0%         5.2%         -0.2%           India         2.3%         -5.2%         -0.2%           India         2.3%         -5.2%         4.7%           Brazil         2.0%         -4.6%         25.4%           South Africa         1.2%         -12.6%         -6.4%           Russia         1.0%         -1.4%         18.0%           Thailand         0.8%         -6.0%         -0.9%           Saudi Arabia         0.7%         -9.5%         4.0%           Mexico         0.7%         -9.5%         4.0%           Indonesia         0.5%         -5.2%         11.9%           Malaysia         0.5%         -5.2%         11.9%           Malaysia         0.5%         -6.3%         -10.4%           Poland         0.3%         -4.6%         13.1%           Poland         0.3%         -4.6%         13.1%           Poland         0.3%         -12.1%         -12.2%           Qatar         0.2%         0.2%         5.0%           Chile	Canada		7.0%	0.5%	3.0%
China         8.3%         -4.7%         -3.9%           Korea         3.2%         -4.5%         -13.8%           Taiwan         3.0%         5.2%         -0.2%           India         2.3%         -5.2%         -0.2%           India         2.3%         -5.2%         4.7%           Brazil         2.0%         -4.6%         25.4%           South Africa         1.2%         -12.6%         -6.4%           Russia         1.0%         -1.4%         18.0%           Thailand         0.8%         -6.0%         -0.9%           Saudi Arabia         0.7%         -9.5%         4.0%           Mexico         0.7%         -9.5%         4.0%           Indonesia         0.5%         -5.2%         11.9%           Malaysia         0.5%         -5.2%         11.9%           Malaysia         0.5%         -6.3%         -10.4%           Poland         0.3%         -4.6%         13.1%           Poland         0.3%         -4.6%         13.1%           Poland         0.3%         -12.1%         -12.2%           Qatar         0.2%         0.2%         5.0%           Chile	Total Developed Countries		74.0%	-0.9%	-1.0%
Korea         3.2%         -4.5%         -13.8%           Talwan         3.0%         5.2%         -0.2%           India         2.3%         -5.2%         4.7%           Brazil         2.0%         -4.6%         25.4%           South Africa         1.2%         -12.6%         -6.4%           Russia         1.0%         -1.4%         18.0%           Thailand         0.8%         -6.0%         -0.9%           Saudi Arabia         0.7%         -9.5%         4.0%           Mexico         0.7%         -1.7%         -14.8%           Indonesia         0.5%         -5.2%         11.9%           Malaysia         0.5%         -5.2%         11.9%           Malaysia         0.5%         -6.3%         -10.4%           Polland         0.3%         -4.6%         13.1%           Poland         0.3%         -12.1%         -12.2%           Qatar         0.3%         -0.2%         5.0%           Chile         0.3%         -7.3%         -16.8%           United Arab Emirates         0.2%         11.7%         16.5%           Colombia         0.1%         -6.1%         -7.3%	China		8.3%	-4.7%	-3.9%
India         2.3%         -5.2%         4.7%           Brazil         2.0%         -4.6%         25.4%           South Africa         1.2%         -12.6%         -6.4%           Russia         1.0%         -1.4%         18.0%           Thailand         0.8%         -6.0%         -0.9%           Saudi Arabia         0.7%         -9.5%         4.0%           Mexico         0.7%         -1.7%         -14.8%           Indonesia         0.5%         -5.2%         11.9%           Malaysia         0.5%         -6.3%         -10.4%           Philippines         0.3%         -4.6%         13.1%           Poland         0.3%         -12.1%         -12.2%           Qatar         0.3%         -0.2%         5.0%           Chile         0.3%         -7.3%         -16.8%           United Arab Emirates         0.2%         -0.2%         -0.3%           Turkey         0.2%         11.7%         16.5%           Colombia         0.1%         -6.1%         -7.3%           Peru         0.1%         -9.3%         -4.0%           Greece         0.1%         -3.1%         6.8%	Korea			-4.5%	-13.8%
Brazil         2.0%         -4.6%         25.4%           South Africa         1.2%         -12.6%         -6.4%           Russia         1.0%         -1.4%         18.0%           Thailand         0.8%         -6.0%         -0.9%           Saudi Arabia         0.7%         -9.5%         4.0%           Mexico         0.7%         -1.7%         -14.8%           Indonesia         0.5%         -5.2%         11.9%           Malaysia         0.5%         -6.3%         -10.4%           Philippines         0.3%         -4.6%         13.1%           Poland         0.3%         -12.1%         -12.2%           Qatar         0.3%         -0.2%         5.0%           Chile         0.3%         -7.3%         -16.8%           United Arab Emirates         0.2%         -0.2%         -0.3%           Turkey         0.2%         11.7%         16.5%           Colombia         0.1%         -6.1%         -7.3%           Peru         0.1%         -9.3%         4.0%           Greece         0.1%         -9.3%         3.4%           Hungary         0.1%         -3.1%         6.8%	Taiwan		3.0%	5.2%	-0.2%
South Africa         1.2%         -12.6%         -6.4%           Russia         1.0%         -1.4%         18.0%           Thailand         0.8%         -6.0%         -0.9%           Saudi Arabia         0.7%         -9.5%         4.0%           Mexico         0.7%         -1.7%         -14.8%           Indonesia         0.5%         -5.2%         11.9%           Malaysia         0.5%         -6.3%         -10.4%           Philippines         0.3%         -4.6%         13.1%           Poland         0.3%         -12.1%         -12.2%           Qatar         0.3%         -0.2%         5.0%           Chile         0.3%         -7.3%         -16.8%           United Arab Emirates         0.2%         -0.2%         -0.3%           Turkey         0.2%         11.7%         16.5%           Colombia         0.1%         -6.1%         -7.3%           Peru         0.1%         -6.1%         -7.3%           Peru         0.1%         -3.1%         6.8%           Hungary         0.1%         -3.9%         3.4%           Argentina         0.1%         -46.8%         -32.3%	India		2.3%	-5.2%	4.7%
Russia         1.0%         -1.4%         18.0%           Thailand         0.8%         -6.0%         -0.9%           Saudi Arabia         0.7%         -9.5%         4.0%           Mexico         0.7%         -1.7%         -14.8%           Indonesia         0.5%         -5.2%         11.9%           Malaysia         0.5%         -6.3%         -10.4%           Philippines         0.3%         -4.6%         13.1%           Poland         0.3%         -12.1%         -12.2%           Qatar         0.3%         -0.2%         5.0%           Chile         0.3%         -7.3%         -16.8%           United Arab Emirates         0.2%         -0.2%         -0.3%           Turkey         0.2%         11.7%         16.5%           Colombia         0.1%         -6.1%         -7.3%           Peru         0.1%         -9.3%         -4.0%           Greece         0.1%         -3.1%         6.8%           Hungary         0.1%         -3.1%         6.8%           Hungary         0.1%         -3.9%         3.4%           Czech Republic         0.0%         -10.1%         -12.6%	Brazil		2.0%	-4.6%	25.4%
Thailand         0.8%         -6.0%         -0.9%           Saudi Arabia         0.7%         -9.5%         4.0%           Mexico         0.7%         -1.7%         -14.8%           Indonesia         0.5%         -5.2%         11.9%           Malaysia         0.5%         -6.3%         -10.4%           Philippines         0.3%         -4.6%         13.1%           Poland         0.3%         -12.1%         -12.2%           Qatar         0.3%         -7.3%         -16.8%           United Arab Emirates         0.2%         -0.2%         -0.3%           Turkey         0.2%         11.7%         16.5%           Colombia         0.1%         -6.1%         -7.3%           Peru         0.1%         -9.3%         -4.0%           Greece         0.1%         -3.1%         6.8%           Hungary         0.1%         -3.9%         3.4%           Argentina         0.1%         -3.9%         3.4%           Czech Republic         0.0%         -10.1%         -12.6%           Egypt         0.0%         7.4%         21.5%           Pakistan         0.0%         1.1%         -32.7%	South Africa		1.2%	-12.6%	-6.4%
Saudi Arabia         0.7%         -9.5%         4.0%           Mexico         0.7%         -1.7%         -14.8%           Indonesia         0.5%         -5.2%         11.9%           Malaysia         0.5%         -6.3%         -10.4%           Philippines         0.3%         -4.6%         13.1%           Poland         0.3%         -12.1%         -12.2%           Qatar         0.3%         -7.3%         -16.8%           United Arab Emirates         0.2%         -0.2%         -0.3%           Turkey         0.2%         11.7%         16.5%           Colombia         0.1%         -6.1%         -7.3%           Peru         0.1%         -9.3%         -4.0%           Greece         0.1%         -3.1%         6.8%           Hungary         0.1%         -3.9%         3.4%           Argentina         0.1%         -3.9%         3.4%           Czech Republic         0.0%         -10.1%         -12.6%           Egypt         0.0%         7.4%         21.5%           Total Emerging Countries         26.0%         -4.2%         -2.0%	Russia		1.0%	-1.4%	18.0%
Mexico         0.7%         -1.7%         -14.8%           Indonesia         0.5%         -5.2%         11.9%           Malaysia         0.5%         -6.3%         -10.4%           Philippines         0.3%         -4.6%         13.1%           Poland         0.3%         -12.1%         -12.2%           Qatar         0.3%         -0.2%         5.0%           Chile         0.3%         -7.3%         -16.8%           United Arab Emirates         0.2%         -0.2%         -0.3%           Turkey         0.2%         11.7%         16.5%           Colombia         0.1%         -6.1%         -7.3%           Peru         0.1%         -9.3%         -4.0%           Greece         0.1%         -3.1%         6.8%           Hungary         0.1%         -3.9%         3.4%           Argentina         0.1%         -3.9%         3.4%           Zech Republic         0.0%         -10.1%         -12.6%           Egypt         0.0%         7.4%         21.5%           Total Emerging Countries         26.0%         -4.2%         -2.0%	Thailand		0.8%	-6.0%	-0.9%
Indonesia         0.5%         -5.2%         11.9%           Malaysia         0.5%         -6.3%         -10.4%           Philippines         0.3%         -4.6%         13.1%           Poland         0.3%         -12.1%         -12.2%           Qatar         0.3%         -0.2%         5.0%           Chile         0.3%         -7.3%         -16.8%           United Arab Emirates         0.2%         -0.2%         -0.3%           Turkey         0.2%         11.7%         16.5%           Colombia         0.1%         -6.1%         -7.3%           Peru         0.1%         -9.3%         -4.0%           Greece         0.1%         -3.1%         6.8%           Hungary         0.1%         -3.9%         3.4%           Argentina         0.1%         -46.8%         -32.3%           Czech Republic         0.0%         -10.1%         -12.6%           Egypt         0.0%         7.4%         21.5%           Pakistan         0.0%         1.1%         -32.7%           Total Emerging Countries         26.0%         -4.2%         -2.0%	Saudi Arabia		0.7%	-9.5%	4.0%
Malaysia         0.5%         -6.3%         -10.4%           Philippines         0.3%         -4.6%         13.1%           Poland         0.3%         -12.1%         -12.2%           Qatar         0.3%         -0.2%         5.0%           Chile         0.3%         -7.3%         -16.8%           United Arab Emirates         0.2%         -0.2%         -0.3%           Turkey         0.2%         11.7%         16.5%           Colombia         0.1%         -6.1%         -7.3%           Peru         0.1%         -9.3%         -4.0%           Greece         0.1%         -3.1%         6.8%           Hungary         0.1%         -3.9%         3.4%           Argentina         0.1%         -46.8%         -32.3%           Czech Republic         0.0%         -10.1%         -12.6%           Egypt         0.0%         7.4%         21.5%           Pakistan         0.0%         1.1%         -32.7%           Total Emerging Countries         26.0%         -4.2%         -2.0%	Mexico		0.7%	-1.7%	-14.8%
Philippines         0.3%         -4.6%         13.1%           Poland         0.3%         -12.1%         -12.2%           Qatar         0.3%         -0.2%         5.0%           Chile         0.3%         -7.3%         -16.8%           United Arab Emirates         0.2%         -0.2%         -0.3%           Turkey         0.2%         11.7%         16.5%           Colombia         0.1%         -6.1%         -7.3%           Peru         0.1%         -9.3%         -4.0%           Greece         0.1%         -3.1%         6.8%           Hungary         0.1%         -3.9%         3.4%           Argentina         0.1%         -46.8%         -32.3%           Czech Republic         0.0%         -10.1%         -12.6%           Egypt         0.0%         7.4%         21.5%           Pakistan         0.0%         1.1%         -32.7%           Total Emerging Countries         26.0%         -4.2%         -2.0%	Indonesia		0.5%	-5.2%	11.9%
Poland         0.3%         -12.1%         -12.2%           Qatar         0.3%         -0.2%         5.0%           Chile         0.3%         -7.3%         -16.8%           United Arab Emirates         0.2%         -0.2%         -0.3%           Turkey         0.2%         11.7%         16.5%           Colombia         0.1%         -6.1%         -7.3%           Peru         0.1%         -9.3%         -4.0%           Greece         0.1%         -3.1%         6.8%           Hungary         0.1%         -3.9%         3.4%           Argentina         0.1%         -46.8%         -32.3%           Czech Republic         0.0%         -10.1%         -12.6%           Egypt         0.0%         7.4%         21.5%           Pakistan         0.0%         1.1%         -32.7%           Total Emerging Countries         26.0%         -4.2%         -2.0%	Malaysia		0.5%	-6.3%	-10.4%
Qatar         0.3%         -0.2%         5.0%           Chile         0.3%         -7.3%         -16.8%           United Arab Emirates         0.2%         -0.2%         -0.3%           Turkey         0.2%         11.7%         16.5%           Colombia         0.1%         -6.1%         -7.3%           Peru         0.1%         -9.3%         -4.0%           Greece         0.1%         -3.1%         6.8%           Hungary         0.1%         -3.9%         3.4%           Argentina         0.1%         -46.8%         -32.3%           Czech Republic         0.0%         -10.1%         -12.6%           Egypt         0.0%         7.4%         21.5%           Pakistan         0.0%         1.1%         -32.7%           Total Emerging Countries         26.0%         -4.2%         -2.0%	Philippines		0.3%	-4.6%	13.1%
Chile         0.3%         -7.3%         -16.8%           United Arab Emirates         0.2%         -0.2%         -0.3%           Turkey         0.2%         11.7%         16.5%           Colombia         0.1%         -6.1%         -7.3%           Peru         0.1%         -9.3%         -4.0%           Greece         0.1%         -3.1%         6.8%           Hungary         0.1%         -3.9%         3.4%           Argentina         0.1%         -46.8%         -32.3%           Czech Republic         0.0%         -10.1%         -12.6%           Egypt         0.0%         7.4%         21.5%           Pakistan         0.0%         1.1%         -32.7%           Total Emerging Countries         26.0%         -4.2%         -2.0%	Poland		0.3%	-12.1%	-12.2%
United Arab Emirates         0.2%         -0.2%         -0.3%           Turkey         0.2%         11.7%         16.5%           Colombia         0.1%         -6.1%         -7.3%           Peru         0.1%         -9.3%         -4.0%           Greece         0.1%         -3.1%         6.8%           Hungary         0.1%         -3.9%         3.4%           Argentina         0.1%         -46.8%         -32.3%           Czech Republic         0.0%         -10.1%         -12.6%           Egypt         0.0%         7.4%         21.5%           Pakistan         0.0%         1.1%         -32.7%           Total Emerging Countries         26.0%         -4.2%         -2.0%	Qatar		0.3%	-0.2%	5.0%
Turkey         0.2%         11.7%         16.5%           Colombia         0.1%         -6.1%         -7.3%           Peru         0.1%         -9.3%         -4.0%           Greece         0.1%         -3.1%         6.8%           Hungary         0.1%         -3.9%         3.4%           Argentina         0.1%         -46.8%         -32.3%           Czech Republic         0.0%         -10.1%         -12.6%           Egypt         0.0%         7.4%         21.5%           Pakistan         0.0%         1.1%         -32.7%           Total Emerging Countries         26.0%         -4.2%         -2.0%	Chile		0.3%	-7.3%	-16.8%
Colombia         0.1%         -6.1%         -7.3%           Peru         0.1%         -9.3%         -4.0%           Greece         0.1%         -3.1%         6.8%           Hungary         0.1%         -3.9%         3.4%           Argentina         0.1%         -46.8%         -32.3%           Czech Republic         0.0%         -10.1%         -12.6%           Egypt         0.0%         7.4%         21.5%           Pakistan         0.0%         1.1%         -32.7%           Total Emerging Countries         26.0%         -4.2%         -2.0%	United Arab Emirates		0.2%	-0.2%	-0.3%
Colombia         0.1%         -6.1%         -7.3%           Peru         0.1%         -9.3%         -4.0%           Greece         0.1%         -3.1%         6.8%           Hungary         0.1%         -3.9%         3.4%           Argentina         0.1%         -46.8%         -32.3%           Czech Republic         0.0%         -10.1%         -12.6%           Egypt         0.0%         7.4%         21.5%           Pakistan         0.0%         1.1%         -32.7%           Total Emerging Countries         26.0%         -4.2%         -2.0%	Turkey		0.2%	11.7%	16.5%
Greece         0.1%         -3.1%         6.8%           Hungary         0.1%         -3.9%         3.4%           Argentina         0.1%         -46.8%         -32.3%           Czech Republic         0.0%         -10.1%         -12.6%           Egypt         0.0%         7.4%         21.5%           Pakistan         0.0%         1.1%         -32.7%           Total Emerging Countries         26.0%         -4.2%         -2.0%	Colombia		0.1%	-6.1%	-7.3%
Hungary         0.1%         -3.9%         3.4%           Argentina         0.1%         -46.8%         -32.3%           Czech Republic         0.0%         -10.1%         -12.6%           Egypt         0.0%         7.4%         21.5%           Pakistan         0.0%         1.1%         -32.7%           Total Emerging Countries         26.0%         -4.2%         -2.0%	Peru		0.1%	-9.3%	-4.0%
Argentina         0.1%         -46.8%         -32.3%           Czech Republic         0.0%         -10.1%         -12.6%           Egypt         0.0%         7.4%         21.5%           Pakistan         0.0%         1.1%         -32.7%           Total Emerging Countries         26.0%         -4.2%         -2.0%	Greece		0.1%		6.8%
Argentina         0.1%         -46.8%         -32.3%           Czech Republic         0.0%         -10.1%         -12.6%           Egypt         0.0%         7.4%         21.5%           Pakistan         0.0%         1.1%         -32.7%           Total Emerging Countries         26.0%         -4.2%         -2.0%	Hungary		0.1%	-3.9%	3.4%
Egypt         0.0%         7.4%         21.5%           Pakistan         0.0%         1.1%         -32.7%           Total Emerging Countries         26.0%         -4.2%         -2.0%	Argentina		0.1%		-32.3%
Pakistan         0.0%         1.1%         -32.7%           Total Emerging Countries         26.0%         -4.2%         -2.0%	Czech Republic				
Total Emerging Countries 26.0% -4.2% -2.0%	Egypt				
7 M T T T T T T T T T T T T T T T T T T			0.0%	1.1%	-32.7%
Total ACWIxUS Countries 100.0% -1.8% -1.2%	Total Emerging Countries		26.0%	-4.2%	-2.0%
	Total ACWIxUS Countries		100.0%	-1.8%	-1.2%



- Broad fixed income benchmarks continued their trend of 2019 gains during the 3rd guarter. Interest rates fell across the US Treasury Yield Curve through the quarter as the Fed continued to shift toward an easing of monetary policy in an attempt to combat slowing economic data. The Fed cut short-term interest rates twice during the period following their July and September meetings. In addition, it ended its balance sheet reduction plan in September which represents a further easing of monetary policy. After its September meeting, the Fed issued a statement commenting that future changes to monetary policy are not on a preset course and will be evaluated as the Fed receives new information on the state of the economy, but that Fed officials "will continue to monitor the implications of incoming information for the economic outlook and will act as appropriate to sustain the expansion." The Fed response provided market support in a quarter where we saw the formal inversion of the yield curve. Treasury yields on 2-year issues briefly surpassed the yield on 10-year issues in August. This inversion of the yield curve has historically preceded a recession within the next 6-24 months. However, the magnitude of the inversion was mild and short in duration with rates on the 10year Treasury rising above the yield of the 2-year by early September. The bellwether Bloomberg Barclays US Aggregate Index posted positive returns for both the 3rd quarter and the 1-year period, returning 2.3% and 10.3% respectively.
- Within investment grade credit, lower quality issues outperformed higher quality issues during the quarter. Lower quality issues benefitted from their higher durations as interest rates fell during the quarter. On an absolute basis, without negating the duration differences in the sub-indices, Baa rated credit was the best performing investment grade credit quality segment returning 3.3% for the quarter, while AAA was the worst performing, returning 2.0%. High yield issues returned 1.3% for the quarter as these issues did not commensurately benefit from the drop in interest rates due to their relatively low durations. Returns over the 1-year period show lower quality securities outperforming higher quality issues with Baa rated issues returning 13.5% versus a 9.3% return for AAA securities.
- Investment grade corporates outperformed the more defensive Treasury and mortgage backed sectors of the Bloomberg Barclays US Aggregate Index's three broad sectors during the 3rd quarter. Investment grade corporate credit returned 3.0%, as they benefitted from their higher sensitivity to interest rates, low credit spreads and high investor demand for yield. When viewed over the 1-year period, corporate credit outperformed both Treasuries and mortgage backed securities. Corporate issues returned 13.0% versus a 7.8% return for mortgages and 10.5% gain on Treasury securities.

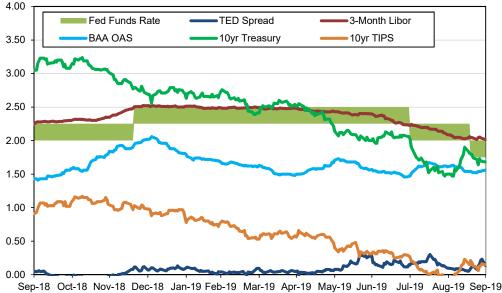




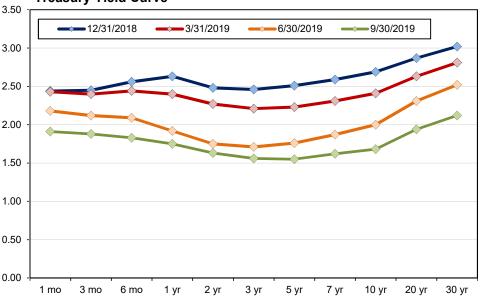


- Global fixed income returns underperformed their domestic counterparts during the 3rd quarter. These indices have lower, or in some cases (Germany, Japan), negative yields, but have higher durations. Given their higher durations, these issues would be expected to perform relatively well during periods of falling rates, however, the returns of these indices are also significantly influenced by fluctuations in their currency denomination relative to the USD. As mentioned, the USD appreciated against most other developed currencies during the quarter, acting as a headwind to global bond indices. The return on global bonds, as represented by the Bloomberg Barclays Global Aggregate ex US Index, was -0.6%. Global bonds also trailed over the 1-year period with the Global Aggregate ex US Index returning 5.3% versus a 10.3% return on the domestically focused Bloomberg Barclays Aggregate Index. As global growth has shown signs of stalling, several international central banks have started to step back from more restrictive postures. The ECB and the PBoC have moved toward an easing of monetary policy and implemented various stimulus programs designed to support their respective economies. The Bank of England and the Bank of Japan made no major policy changes during the quarter as they continue to review macroeconomic data within their respective countries.
- 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 over the last year, the 10-year Treasury yield (green line) fell from high's greater than 3.0%, to yields below 1.5% before ending the guarter at 1.68%. 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 an abrupt increase in credit spreads during the 4th quarter of 2018 as investors moved to higher quality assets during the quarter's risk-off environment. Subsequently, spreads declined steadily, remaining somewhat range bound with increases in May and August. There was little change through the quarter with spreads tightening by about 1 basis point. Spread tightening is equivalent to an interest rate decrease on corporate bonds, which produces an additional tailwind for corporate bond index returns. The green band across the graph illustrates the decrease in the Federal Funds Rate due to the recent easing in US monetary policy. The rate cuts in July and September have pushed the Fed Funds Rate to 1-year lows.
- The lower graph provides a snapshot of the US Treasury yield curve at the end of each of the last four calendar quarters. The downward shift in interest rates as well as a general flattening of the yield curve are clearly visible over the last quarter. As mentioned, the yield curve continues to invert as yields on shorterand middle-term maturities fell less than interest rates at the long-end of the curve.

#### 1-Year Trailing Market Rates



Treasury Yield Curve





Total Fund Compliance			
otal i und Compilance		No	N/A
A. The total plan return equaled or exceeded the total plan benchmark over the trailing three year period.			
B. The total plan return ranked in the top 50% of its peers over the trailing three year period.			
C. The total plan return equaled or exceeded 8.0% (the current assumed actuarial rate of return is 6.75%), and equaled or exceeded the CPI+5%, over the trailing one year period.			

Manager's Compliance		T. Sto			Bosto	Boston		Rhumbline (R1000V)			Rhumbline (R1000G)	
		No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A
A. Perform above the bottom quartile (75th percentile) of his or her peer group over two consecutive quarters or annual period.												
B. Did not fall in the southeastern quadrant of the risk/return scattergram for three- and/or five-year time periods.												
C. Five-year risk-adjusted return (alpha) is above that of the median manager within the appropriate peer group.												
D. Did not underperform its index for four consecutive quarters.												
E. Performed above the median (50th percentile) of his or her peer group over rolling three-year periods.												
F. Positive alpha for three-year time periods.												
G. Has there been organizational stability related to changes in professionals.												
H. Has there been organizational stability related to significant account losses.												
I. Has there been organizational stability related to significant growth of new business.												
J. Has there been organizational stability related to change in ownership.												

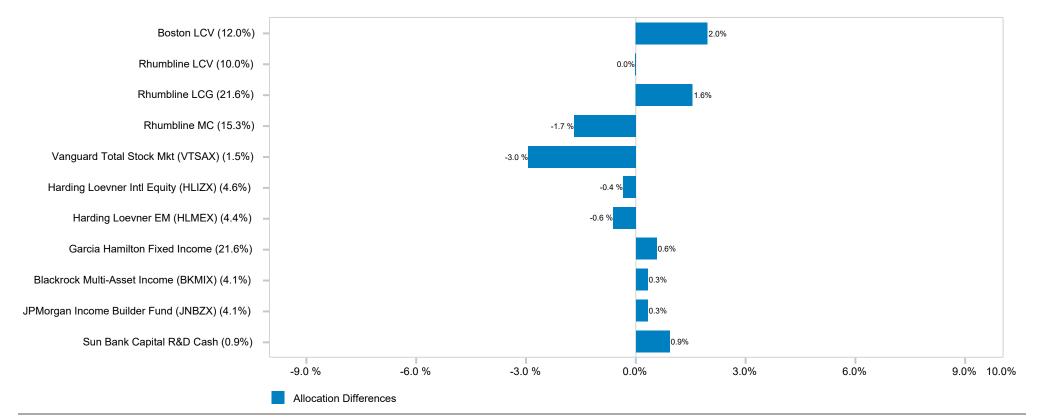


Manager's Compliance	Rhu	mbline Cap	Mid-		Intl Ed	H.L. EM Equity (HLIZX)			Garcia Hamilto Fixed Income			
		No	N/A	Yes	No	N/A	Yes	No	N/A	Yes	No	N/A
A. Perform above the bottom quartile (75th percentile) of his or her peer group over two consecutive quarters or annual period.												
B. Did not fall in the southeastern quadrant of the risk/return scattergram for three- and/or five-year time periods.												
C. Five-year risk-adjusted return (alpha) is above that of the median manager within the appropriate peer group.												
D. Did not underperform its index for four consecutive quarters.												
E. Performed above the median (50th percentile) of his or her peer group over rolling three-year periods.												
F. Positive alpha for three-year time periods.												
G. Has there been organizational stability related to changes in professionals.												
H. Has there been organizational stability related to significant account losses.												
I. Has there been organizational stability related to significant growth of new business.												
J. Has there been organizational stability related to change in ownership.												

Manager's Compliance		lorgar ler (JN		Blacrock Multi- Asset I (BKMIX)							
	Yes	No	N/A	Yes	No	N/A					
A. Perform above the bottom quartile (75th percentile) of his or her peer group over two consecutive quarters or annual period.											
B. Did not fall in the southeastern quadrant of the risk/return scattergram for three- and/or five-year time periods.											
C. Five-year risk-adjusted return (alpha) is above that of the median manager within the appropriate peer group.											
D. Did not underperform its index for four consecutive quarters.											
E. Performed above the median (50th percentile) of his or her peer group over rolling three-year periods.											
F. Positive alpha for three-year time periods.											
G. Has there been organizational stability related to changes in professionals.											
H. Has there been organizational stability related to significant account losses.											
I. Has there been organizational stability related to significant growth of new business.											
J. Has there been organizational stability related to change in ownership.											

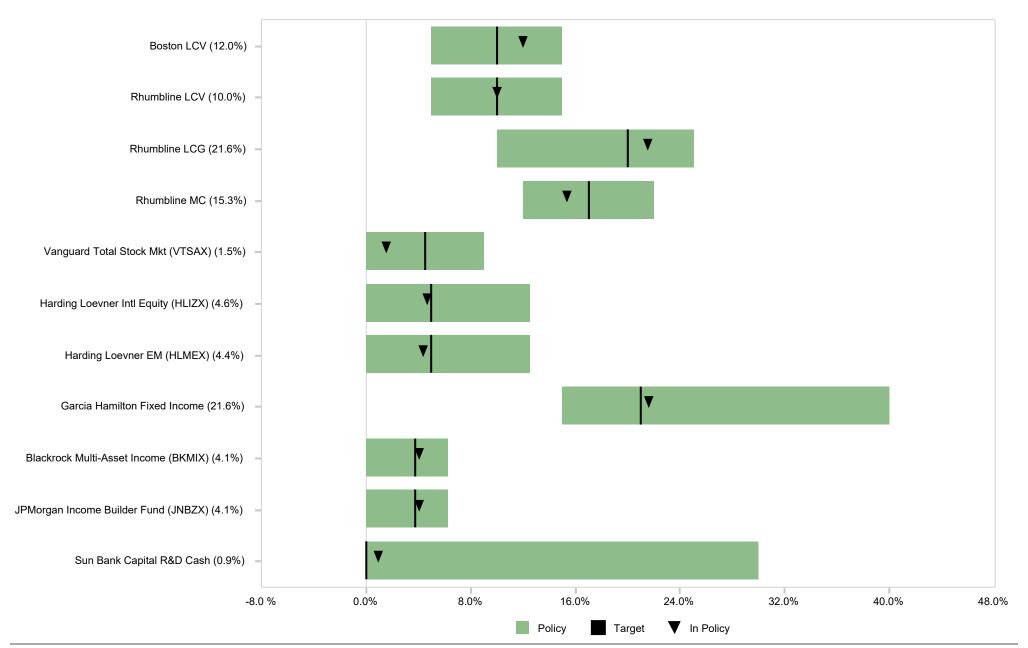


Asset Allocation Compliance					
	Asset Allocation \$	Current Allocation (%)	Target Allocation (%)	Differences (%)	Target Rebal. (\$000)
Total Fund	133,091,268	100.0	100.0	0.0	-
Boston LCV	15,910,859	12.0	10.0	2.0	-2,601,733
Rhumbline LCV	13,275,473	10.0	10.0	0.0	33,654
Rhumbline LCG	28,687,781	21.6	20.0	1.6	-2,069,528
Rhumbline MC	20,373,535	15.3	17.0	-1.7	2,251,980
anguard Total Stock Mkt (VTSAX)	2,062,425	1.5	4.5	-3.0	3,926,682
larding Loevner Intl Equity (HLIZX)	6,165,342	4.6	5.0	-0.4	489,222
larding Loevner EM (HLMEX)	5,836,687	4.4	5.0	-0.6	817,876
Sarcia Hamilton Fixed Income	28,706,949	21.6	21.0	0.6	-757,783
Blackrock Multi-Asset Income (BKMIX)	5,415,917	4.1	3.8	0.3	-424,994
PMorgan Income Builder Fund (JNBZX)	5,416,064	4.1	3.8	0.3	-425,141
Sun Bank Capital R&D Cash	1,240,236	0.9	0.0	0.9	-1,240,236





#### **Executive Summary**

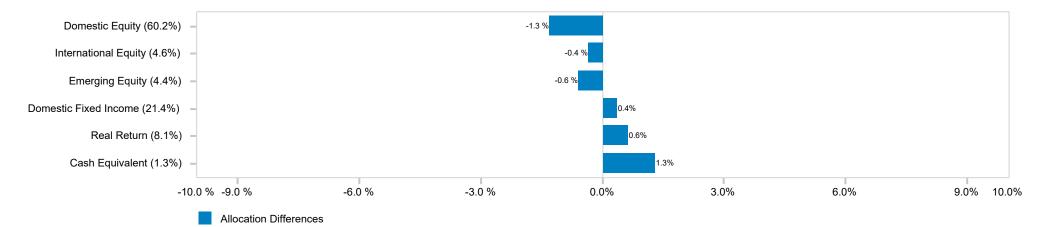




**Page Intentionally Left Blank** 



	Asset Allocation \$	Current Allocation (%)	Target Allocation (%)	Differences (%)	Target Rebal. (\$000)
Domestic Equity	80,110,021	60.2	61.5	-1.3	1,741,109
International Equity	6,165,342	4.6	5.0	-0.4	489,222
Emerging Equity	5,836,687	4.4	5.0	-0.6	817,876
Domestic Fixed Income	28,428,205	21.4	21.0	0.4	-479,039
Real Return	10,831,980	8.1	7.5	0.6	-850,135
Cash Equivalent	1,719,033	1.3	0.0	1.3	-1,719,033
Total Fund	133,091,268	100.0	100.0	0.0	_

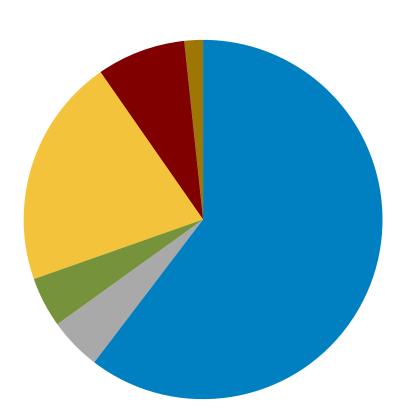


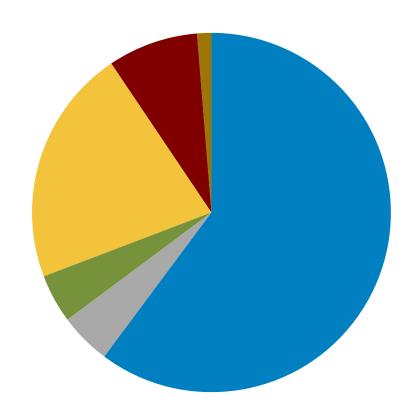




Asset Allocation By Segment as of June 30, 2019 : \$133,606,110

Asset Allocation By Segment as of September 30, 2019 : \$133,091,268



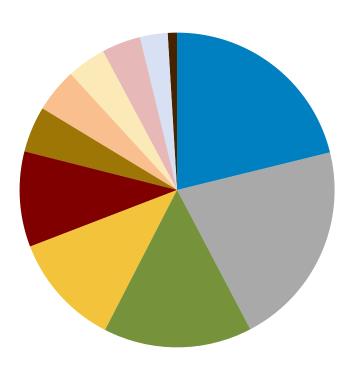


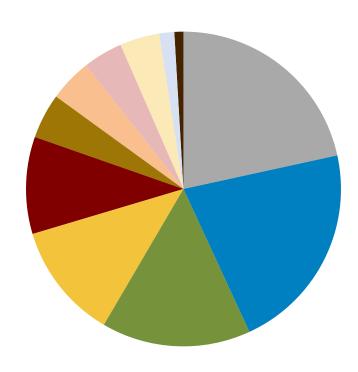
ocation					
Segments	Market Value	Allocation	Segments	Market Value	Allocation
■ Domestic Equity	80,653,512	60.4	■ Domestic Equity	80,110,021	60.2
International Equity	6,314,042	4.7	International Equity	6,165,342	4.6
Emerging Equity	6,042,386	4.5	Emerging Equity	5,836,687	4.4
Domestic Fixed Income	27,659,421	20.7	Domestic Fixed Income	28,428,205	21.4
■ Real Return	10,687,065	8.0	■ Real Return	10,831,980	8.1
Cash Equivalent	2,249,685	1.7	Cash Equivalent	1,719,033	1.3



Asset Allocation By Manager as of June 30, 2019 : \$133,606,110

Asset Allocation By Manager as of September 30, 2019 : \$133,091,268





ocation			Allocation		
	Market Value	Allocation		Market Value	Allocation
■ Rhumbline LCG	28,266,474	21.2	■ Garcia Hamilton Fixed Income	28,706,949	21.6
■ Garcia Hamilton Fixed Income	28,247,705	21.1	Rhumbline LCG	28,687,781	21.6
■ Rhumbline MC	20,393,257	15.3	■ Rhumbline MC	20,373,535	15.3
Boston LCV	15,481,664	11.6	Boston LCV	15,910,859	12.0
■ Rhumbline LCV	13,097,902	9.8	■ Rhumbline LCV	13,275,473	10.0
■ Harding Loevner Intl Equity (HLIZX)	6,314,042	4.7	Harding Loevner Intl Equity (HLIZX)	6,165,342	4.6
Harding Loevner EM (HLMEX)	6,042,386	4.5	Harding Loevner EM (HLMEX)	5,836,687	4.4
Blackrock Multi-Asset Income (BKMIX)	5,347,217	4.0	JPMorgan Income Builder Fund (JNBZX)	5,416,064	4.1
■ JPMorgan Income Builder Fund (JNBZX)	5,339,848	4.0	Blackrock Multi-Asset Income (BKMIX)	5,415,917	4.1
Vanguard Total Stock Mkt (VTSAX)	3,802,786	2.8	Vanguard Total Stock Mkt (VTSAX)	2,062,425	1.5
■ Sun Bank Capital R&D Cash	1,272,830	1.0	Sun Bank Capital R&D Cash	1,240,236	0.9



## Financial Reconciliation Total Fund 1 Quarter Ending September 30, 2019

Financial Reconciliation Quarter to Date									
	Market Value 07/01/2019	Contributions	Distributions	Net Transfers	Management Fees	Other Expenses	Income	Apprec./ Deprec.	Market Value 09/30/2019
Vanguard Total Stock Mkt (VTSAX)	3,802,786	-	-	-1,775,948	-	-	12,222	23,365	2,062,425
Boston LCV	15,481,664	-	-	-	-	-1,740	108,403	322,532	15,910,859
Rhumbline LCV	13,097,902	-	-	-	-	-	-	177,571	13,275,473
Rhumbline LCG	28,266,474	-	-	-	-	-	-	421,307	28,687,781
Rhumbline MC	20,393,257	-	-	-	-	-	-	-19,722	20,373,535
Harding Loevner EM (HLMEX)	6,042,386	-	-	-	-	-	-	-205,698	5,836,687
Harding Loevner Intl Equity (HLIZX)	6,314,042	-	-	-	-	-	-	-148,700	6,165,342
Garcia Hamilton Fixed Income	28,247,705	-	-	-	-13,590	-3,162	201,865	274,132	28,706,949
JPMorgan Income Builder Fund (JNBZX)	5,339,848	-	-	-	-	-	50,955	25,261	5,416,064
Blackrock Multi-Asset Income (BKMIX)	5,347,217	-	-	-	-	-	68,657	43	5,415,917
Sun Bank Capital R&D Cash	1,272,830	207,867	-1,987,965	1,775,948	-	-31,905	3,463	-	1,240,236
Total Fund	133,606,110	207,867	-1,987,965	-	-13,590	-36,808	445,565	870,090	133,091,268



**Page Intentionally Left Blank** 



Asset Allocation & Performance												
	All	ocation					Perform	ance(%)				
	Market Value \$	%	Q	TR	FY	/TD	1	YR	3	YR	5	YR
Total Fund Composite	133,091,268	100.0	0.99	(36)	3.11	(79)	3.11	(79)	8.94	(12)	7.54	(6)
Policy Index			0.67	(62)	3.34	(76)	3.34	(76)	8.34	(29)	7.18	(16)
Difference			0.32		-0.23		-0.23		0.60		0.36	
All Public Plans-Total Fund Median			0.83		4.30		4.30		8.00		6.45	
Total Equity Composite	92,312,102	69.4	0.75		1.64		1.64		11.84		9.73	
Total Equity Index			0.41		1.28		1.28		11.29		9.33	
Difference			0.34		0.36		0.36		0.55		0.40	
Total Domestic Equity	80,310,074	60.3										
Vanguard Total Stock Mkt (VTSAX)	2,062,425	1.5	1.09	(38)	2.88	(34)	2.88	(34)	N/A		N/A	
CRSP U.S. Total Market TR Index			1.11	(38)	2.92	(34)	2.92	(34)	12.82	(28)	10.43	(25)
Difference			-0.02		-0.04		-0.04		N/A		N/A	
IM U.S. Equity (MF) Median			0.37		0.13		0.13		9.99		8.29	
Boston LCV	15,910,859	12.0	2.78	(20)	3.21	(42)	3.21	(42)	12.09	(25)	9.51	(25)
Russell 1000 Value Index			1.36	(58)	4.00	(37)	4.00	(37)	9.43	(69)	7.79	(63)
Difference			1.42		-0.79		-0.79		2.66		1.72	
IM U.S. Large Cap Value Equity (SA+CF) Median			1.63		2.14		2.14		10.45		8.20	
Rhumbline LCV	13,275,473	10.0	1.36	(53)	4.03	(30)	4.03	(30)	9.44	(56)	7.76	(33)
Russell 1000 Value Index			1.36	(53)	4.00	(30)	4.00	(30)	9.43	(56)	7.79	(32)
Difference			0.00		0.03		0.03		0.01		-0.03	
IM U.S. Large Cap Value Equity (MF) Median			1.41		1.87		1.87		9.67		7.17	
Rhumbline LCG	28,687,781	21.6	1.49	(16)	3.71	(33)	3.71	(33)	16.87	(27)	13.37	(23)
Russell 1000 Growth Index			1.49	(16)	3.71	(33)	3.71	(33)	16.89	(27)	13.39	(22)
Difference			0.00		0.00		0.00		-0.02		-0.02	
IM U.S. Large Cap Growth Equity (MF) Median			-0.01		2.32		2.32		15.72		12.20	
Rhumbline MC	20,373,535	15.3	-0.10	(52)	-2.49	(73)	-2.49	(73)	9.36	(58)	8.84	(45)
S&P MidCap 400 Index			-0.09	(52)	-2.49	(73)	-2.49	(73)	9.38	(57)	8.88	(45)
Difference			-0.01		0.00		0.00		-0.02		-0.04	
IM U.S. Mid Cap Equity (MF) Median			0.03		1.37		1.37		10.31		8.36	



	Allo	cation	Performance(%)										
	Market Value \$	%	Q	TR	FY	TD.	1	YR	3	YR	5 `	YR	
Total International Equity													
Harding Loevner Intl Equity (HLIZX)	6,165,342	4.6	-2.40	(61)	-3.34	(62)	-3.34	(62)	6.68	(28)	5.37	(15)	
MSCI EAFE Index			-1.00	(25)	-0.82	(41)	-0.82	(41)	7.01	(24)	3.77	(32)	
Difference			-1.40		-2.52		-2.52		-0.33		1.60		
IM International Equity (MF) Median			-1.90		-1.94		-1.94		5.44		2.81		
Harding Loevner EM (HLMEX)	5,836,687	4.4	-3.40	(48)	0.78	(46)	0.78	(46)	5.56	(44)	3.06	(27)	
MSCI Emerging Markets Index			-4.11	(65)	-1.63	(66)	-1.63	(66)	6.37	(32)	2.71	(35)	
Difference			0.71		2.41		2.41		-0.81		0.35		
IM Emerging Markets Equity (MF) Median			-3.48		0.29		0.29		5.24		2.03		
Total Fixed Income Composite	28,706,949	21.6	1.69		7.48		7.48		2.55		2.78		
Total Fixed Income Index			1.37		8.17		8.17		2.35		2.85		
Difference			0.32		-0.69		-0.69		0.20		-0.07		
Garcia Hamilton Fixed Income	28,706,949	21.6	1.69	(9)	7.48	(78)	7.48	(78)	N/A		N/A		
Bloomberg Barclays Intermediate US Govt/Credit Idx			1.37	(62)	8.17	(38)	8.17	(38)	2.40	(86)	2.68	(82)	
Difference			0.32		-0.69		-0.69		N/A		N/A		
IM U.S. Intermediate Duration (SA+CF) Median			1.42		7.99		7.99		2.68		2.93		
Total Real Return Composite	10,831,980	8.1											
JPMorgan Income Builder Fund (JNBZX)	5,416,064	4.1	1.43	(31)	N/A		N/A		N/A		N/A		
50% MSCI World Ind(Net TR)/50% Bar US Agg Ind			1.43	(31)	6.40	(18)	6.40	(18)	6.70	(19)	5.46	(19)	
Difference			0.00		N/A		N/A		N/A		N/A		
IM Flexible Portfolio (MF) Median			0.72		2.58		2.58		5.02		3.91		
Blackrock Multi-Asset Income (BKMIX)	5,415,917	4.1	1.28	(34)	6.39	(18)	6.39	(18)	N/A		N/A		
50% MSCI World Ind(Net TR)/50% Bar US Agg Ind			1.43	(31)	6.40	(18)	6.40	(18)	6.70	(19)	5.46	(19)	
Difference			-0.15	•	-0.01	• •	-0.01	. ,	N/A	•	N/A	. ,	
IM Flexible Portfolio (MF) Median			0.72		2.58		2.58		5.02		3.91		
Sun Bank Capital R&D Cash	1,240,236	0.9											



Asset Allocation & Performance							
		ocation			Performance(%	)	
	Market Value \$	%	QTR	FYTD	1 YR	3 YR	5 YR
Total Fund Composite	133,091,268	100.0	0.98	3.04	3.04	8.82	7.38
Policy Index			0.67	3.34	3.34	8.34	7.18
Difference			0.31	-0.30	-0.30	0.48	0.20
Total Equity Composite	92,312,102	69.4	0.75	1.60	1.60	11.72	9.61
Total Equity Index			0.41	1.28	1.28	11.29	9.33
Difference			0.34	0.32	0.32	0.43	0.28
Total Domestic Equity	80,310,074	60.3					
/anguard Total Stock Mkt (VTSAX)	2,062,425	1.5	1.09	2.88	2.88	N/A	N/A
CRSP U.S. Total Market TR Index			1.11	2.92	2.92	12.82	10.43
Difference			-0.02	-0.04	-0.04	N/A	N/A
Boston LCV	15,910,859	12.0	2.78	3.10	3.10	11.72	9.27
Russell 1000 Value Index			1.36	4.00	4.00	9.43	7.79
Difference			1.42	-0.90	-0.90	2.29	1.48
Rhumbline LCV	13,275,473	10.0	1.36	4.00	4.00	9.39	7.70
Russell 1000 Value Index			1.36	4.00	4.00	9.43	7.79
Difference			0.00	0.00	0.00	-0.04	-0.09
Rhumbline LCG	28,687,781	21.6	1.49	3.68	3.68	16.83	13.31
Russell 1000 Growth Index			1.49	3.71	3.71	16.89	13.39
Difference			0.00	-0.03	-0.03	-0.06	-0.08
Rhumbline MC	20,373,535	15.3	-0.10	-2.52	-2.52	9.32	8.79
S&P MidCap 400 Index			-0.09	-2.49	-2.49	9.38	8.88
Difference			-0.01	-0.03	-0.03	-0.06	-0.09



	Allo	ocation			Performance(%)	)	
	Market Value \$	%	QTR	FYTD	1 YR	3 YR	5 YR
Total International Equity							
Harding Loevner Intl Equity (HLIZX)	6,165,342	4.6	-2.40	-3.34	-3.34	6.68	5.37
MSCI EAFE Index			-1.00	-0.82	-0.82	7.01	3.77
Difference			-1.40	-2.52	-2.52	-0.33	1.60
Harding Loevner EM (HLMEX)	5,836,687	4.4	-3.40	0.78	0.78	5.56	3.06
MSCI Emerging Markets Index			-4.11	-1.63	-1.63	6.37	2.71
Difference			0.71	2.41	2.41	-0.81	0.35
Total Fixed Income Composite	28,706,949	21.6	1.64	7.27	7.27	2.34	2.63
Total Fixed Income Index			1.37	8.17	8.17	2.35	2.85
Difference			0.27	-0.90	-0.90	-0.01	-0.22
Garcia Hamilton Fixed Income	28,706,949	21.6	1.64	7.27	7.27	N/A	N/A
Bloomberg Barclays Intermediate US Govt/Credit Idx			1.37	8.17	8.17	2.40	2.68
Difference			0.27	-0.90	-0.90	N/A	N/A
Total Real Return Composite	10,831,980	8.1					
JPMorgan Income Builder Fund (JNBZX)	5,416,064	4.1	1.43	N/A	N/A	N/A	N/A
50% MSCI World Ind(Net TR)/50% Bar US Agg Ind			1.43	6.40	6.40	6.70	5.46
Difference			0.00	N/A	N/A	N/A	N/A
Blackrock Multi-Asset Income (BKMIX)	5,415,917	4.1	1.28	6.39	6.39	N/A	N/A
50% MSCI World Ind(Net TR)/50% Bar US Agg Ind			1.43	6.40	6.40	6.70	5.46
Difference			-0.15	-0.01	-0.01	N/A	N/A
Sun Bank Capital R&D Cash	1,240,236	0.9					

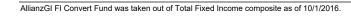


Alloc	nation										
Allocation			Performance(%)								
Market Value \$	%	FYTD	Oct-2018 To Sep-2019	Oct-2017 To Sep-2018	Oct-2016 To Sep-2017	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015	Oct-2013 To Sep-2014	Oct-2012 To Sep-2013	Oct-2011 To Sep-2012	Oct-2010 To Sep-2011
133,091,268	100.0	3.11 (79)	3.11 (79)	10.95 (4)	13.03 (27)	10.68 (24)	0.48 (22)	12.47 (9)	13.40 (30)	19.38 (18)	0.85 (47)
		3.34 (76)	3.34 (76)	9.71 (11)	12.18 (45)	11.13 (17)	0.05 (31)	10.98 (32)	11.68 (55)	17.79 (48)	2.69 (18)
		-0.23	-0.23	1.24	0.85	-0.45	0.43	1.49	1.72	1.59	-1.84
		4.30	4.30	7.09	11.82	9.74	-0.78	9.93	12.00	17.58	0.67
92,312,102	69.4	1.64	1.64	15.22	19.43	14.32	-0.50	16.60	22.52	29.57	-2.25
		1.28	1.28	14.77	18.57	14.84	-1.30	15.96	21.23	28.59	0.04
		0.36	0.36	0.45	0.86	-0.52	0.80	0.64	1.29	0.98	-2.29
80,310,074	60.3										
2,062,425	1.5	2.88 (34)	2.88 (34)	17.62 (31)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		2.92 (34)	2.92 (34)	17.62 (31)	18.64 (40)	14.99 (27)	-0.55 (46)	17.77 (23)	21.59 (55)	29.96 (29)	0.46 (32)
		-0.04	-0.04	0.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		0.13	0.13	13.30	17.48	12.13	-0.93	13.75	22.53	27.33	-1.87
15,910,859	12.0	3.21 (42)	3.21 (42)	14.27 (28)	19.42 (34)	15.54 (30)	-3.23 (49)	20.35 (27)	27.45 (22)	32.67 (10)	-5.35 (86)
		4.00 (37)	4.00 (37)	9.45 (77)	15.12 (75)	16.19 (26)	-4.42 (65)	18.89 (42)	22.30 (60)	30.92 (26)	-1.89 (62)
		-0.79	-0.79	4.82	4.30	-0.65	1.19	1.46	5.15	1.75	-3.46
		2.14	2.14	11.72	17.89	13.33	-3.29	18.40	23.73	28.15	-0.98
-	0.0	N/A	N/A	N/A	23.86 (17)	8.58 (79)	5.07 (31)	19.65 (35)	19.30 (63)	29.94 (34)	N/A
		3.71 (54)	3.71 (54)	26.30 (36)	21.94 (37)	13.76 (23)	3.17 (54)	19.15 (40)	19.27 (64)	29.19 (39)	3.78 (30)
		N/A	N/A	N/A	1.92	-5.18	1.90	0.50	0.03	0.75	N/A
		3.90	3.90	24.38	20.81	11.64	3.53	18.19	20.25	27.69	1.38
13,275,473	10.0	4.03 (30)	4.03 (30)	9.43 (61)	15.13 (72)	16.17 (18)	-4.56 (44)	18.82 (20)	22.20 (53)	30.80 (17)	-1.87 (29)
		4.00 (30)	4.00 (30)	9.45 (60)	15.12 (72)	16.19 (18)	-4.42 (41)	18.89 (19)	22.30 (52)	30.92 (15)	-1.89 (30)
		0.03	0.03	-0.02	0.01	-0.02	-0.14	-0.07	-0.10	-0.12	0.02
		1.87	1.87	10.42	16.75	12.50	-4.90	17.21	22.35	28.44	-3.39
28,687,781	21.6	3.71 (33)	3.71 (33)	26.25 (39)	,	, ,	3.17 (44)	19.11 (23)	19.24 (52)	29.11 (36)	3.77 (17)
			, ,		21.94 (28)	13.76 (18)	, ,		. ,		3.78 (17)
					-0.01	-0.06					-0.01
		2.32	2.32	25.08	20.13	10.96	2.84	16.89	19.37	27.40	0.50
20,373,535	15.3	-2.49 (73)	-2.49 (73)	14.16 (47)	17.50 (39)	15.10 (15)	1.47 (36)	` ,	27.55 (44)	28.53 (27)	-1.12 (38)
		-2.49 (73)	-2.49 (73)	14.21 (47)	17.52 (39)	15.33 (14)	1.40 (37)	11.82 (50)	27.68 (42)	28.54 (27)	-1.28 (39)
		0.00	0.00	-0.05	-0.02	-0.23	0.07	-0.01	-0.13	-0.01	0.16
		1.37	1.37	13.42	16.49	10.59	-0.36	11.70	27.10	25.56	-2.55
	\$ 133,091,268  92,312,102  80,310,074  2,062,425  15,910,859  - 13,275,473	\$ 133,091,268 100.0  92,312,102 69.4  80,310,074 60.3  2,062,425 1.5  15,910,859 12.0  - 0.0  13,275,473 10.0  28,687,781 21.6	\$ 133,091,268 100.0 3.11 (79) 3.34 (76) -0.23 4.30  92,312,102 69.4 1.64 1.28 0.36  80,310,074 60.3  2,062,425 1.5 2.88 (34) 2.92 (34) -0.04 0.13  15,910,859 12.0 3.21 (42) 4.00 (37) -0.79 2.14  - 0.0 N/A 3.71 (54) N/A 3.90  13,275,473 10.0 4.03 (30) 4.00 (30) 0.03 1.87  28,687,781 21.6 3.71 (33) 3.71 (33) 0.00 2.32  20,373,535 15.3 -2.49 (73) -2.49 (73) 0.00	\$ Sep-2019  133,091,268 100.0 3.11 (79) 3.11 (79) 3.34 (76) 3.34 (76) -0.23 -0.23 4.30 4.30  92,312,102 69.4 1.64 1.64 1.28 1.28 0.36 0.36  80,310,074 60.3  2,062,425 1.5 2.88 (34) 2.88 (34) 2.92 (34) 2.92 (34) -0.04 -0.04 0.13 0.13  15,910,859 12.0 3.21 (42) 3.21 (42) 4.00 (37) 4.00 (37) -0.79 -0.79 2.14 2.14  - 0.0 N/A N/A 3.71 (54) 3.71 (54) N/A N/A 3.90 3.90  13,275,473 10.0 4.03 (30) 4.03 (30) 4.00 (30) 4.00 (30) 0.03 0.03 1.87 1.87  28,687,781 21.6 3.71 (33) 3.71 (33) 3.71 (33) 3.71 (33) 0.00 0.00 2.32 2.32  20,373,535 15.3 -2.49 (73) -2.49 (73) -2.49 (73) -2.49 (73) 0.00 0.00	\$	Sep-2019   Sep-2018   Sep-2017	Sep-2019   Sep-2018   Sep-2017   Sep-2016     133,091,268   100.0   3.11 (79)   3.11 (79)   10.95 (4)   13.03 (27)   10.68 (24)	Sep-2019   Sep-2018   Sep-2017   Sep-2016   Sep-2015     133,091,268   100.0   3.11   79   3.11   79   10.95   4   13.03   27   10.88   24   0.085   24   0.085   24   0.085   24   0.085   24   0.085   24   0.085   24   0.085   24   0.085   24   0.085   24   0.085   24   0.085   24   0.085   24   0.085   24   0.085   24   0.085   24   24   24   24   24   24   24   2	133,091,268   100.0   3.11 (79)   3.11 (79)   10.95 (4)   13.03 (27)   10.65 (4)   1.13 (17)   0.048 (32)   0.048 (32)   0.048 (32)   0.048 (32)   0.048 (32)   0.048 (32)   0.023   0.23   0.23   0.24   0.85   0.45   0.43   0.43   0.49   0.78   0.08   0.23   0.23   0.24   0.85   0.45   0.45   0.45   0.78   0.78   0.78   0.08   0.28   0		13,091,268   10.0

AllianzGI FI Convert Fund was taken out of Total Fixed Income composite as of 10/1/2016.



	Allo	cation	Performance(%)									
	Market Value \$	%	FYTD	Oct-2018 To Sep-2019	Oct-2017 To Sep-2018	Oct-2016 To Sep-2017	То	Oct-2014 To Sep-2015	Oct-2013 To Sep-2014	Oct-2012 To Sep-2013	Oct-2011 To Sep-2012	Oct-2010 To Sep-2011
Total International Equity												
Harding Loevner Intl Equity (HLIZX)	6,165,342	4.6	-3.34 (62)	-3.34 (62)	5.85 (10)	18.66 (57)	17.62 (13)	-9.03 (52)	4.34 (49)	16.27 (57)	19.57 (20)	N/A
MSCI EAFE Index			-0.82 (41)	-0.82 (41)	3.25 (21)	19.65 (48)	7.06 (65)	-8.27 (47)	4.70 (44)	24.29 (19)	14.33 (66)	-8.94 (24)
Difference			-2.52	-2.52	2.60	-0.99	10.56	-0.76	-0.36	-8.02	5.24	N/A
IM International Equity (MF) Median			-1.94	-1.94	0.08	19.36	9.32	-8.75	4.26	17.81	16.20	-12.08
Harding Loevner EM (HLMEX)	5,836,687	4.4	0.78 (46)	0.78 (46)	-4.30 (54)	21.95 (42)	19.76 (18)	-17.44 (42)	7.12 (21)	5.79 (23)	23.46 (6)	N/A
MSCI Emerging Markets Index			-1.63 (66)	-1.63 (66)	-0.44 (20)	22.91 (35)	17.21 (38)	-18.98 (58)	4.66 (46)	1.33 (60)	17.34 (45)	-15.89 (35)
Difference			2.41	2.41	-3.86	-0.96	2.55	1.54	2.46	4.46	6.12	N/A
IM Emerging Markets Equity (MF) Median			0.29	0.29	-3.95	21.11	15.70	-18.44	4.28	2.31	16.83	-17.84
Total Fixed Income Composite	28,706,949	21.6	7.48	7.48	0.00	0.33	4.95	1.36	4.05	-1.24	5.25	5.25
Total Fixed Income Index			8.17	8.17	-1.04	0.16	5.43	1.83	3.65	-1.51	5.10	5.26
Difference			-0.69	-0.69	1.04	0.17	-0.48	-0.47	0.40	0.27	0.15	-0.01
Denver Core FI	_	0.0	N/A	N/A	N/A	0.49 (76)	4.26 (97)	2.62 (58)	3.70 (92)	-0.54 (40)	N/A	N/A
Denver FI Index			8.59 (88)	8.59 (88)	-1.01 (77)	0.20 (85)	3.85 (99)	2.73 (54)	2.88 (98)	-1.18 (63)	N/A	N/A
Difference			N/A	N/A	N/A	0.29	0.41	-0.11	0.82	0.64	N/A	N/A
IM U.S. Broad Market Fixed Income (SA+CF) Median			10.42	10.42	-0.61	1.06	5.95	2.81	4.98	-0.84	7.51	5.17
Garcia Hamilton Fixed Income	28.706.949	21.6	7.48 (78)	7.48 (78)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bloomberg Barclays Intermediate US Govt/Credit Idx	.,,.		8.17 (38)	8.17 (38)	-0.96 (96)	0.23 (88)	3.52 (76)	2.68 (52)	2.20 (85)	-0.50 (66)	4.40 (81)	3.40 (62)
Difference			-0.69	-0.69	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
IM U.S. Intermediate Duration (SA+CF) Median			7.99	7.99	-0.38	0.70	3.90	2.70	2.88	-0.27	5.57	3.61
State Street Core FI	_	0.0	N/A	N/A	N/A	0.06 (65)	5.22 (50)	2.97 (7)	3.94 (60)	-1.76 (57)	5.17 (81)	5.25 (14)
SS Fixed Inc Index			10.30 (24)	10.30 (24)	-1.22 (41)	0.07 (64)	5.19 (52)	2.94 (9)	3.96 (59)	-1.68 (53)	5.16 (81)	5.26 (14)
Difference			N/A	N/A	N/A	-0.01	0.03	0.03	-0.02	-0.08	0.01	-0.01
IM U.S. Broad Market Core Fixed Income (MF) Media	n		9.81	9.81	-1.35	0.48	5.21	1.98	4.19	-1.62	6.79	4.30
Total Real Return Composite	10,831,980	8.1										
JPMorgan Income Builder Fund (JNBZX)	5,416,064	4.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
50% MSCI World Ind(Net TR)/50% Bar US Agg Ind	5,410,004	7.1	6.40 (18)	6.40 (18)	4.93 (36)	8.80 (53)	8.47 (51)	-0.98 (19)	8.10 (49)	8.84 (46)	13.48 (64)	0.72 (35)
Difference			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
IM Flexible Portfolio (MF) Median			2.58	2.58	3.38	9.02	8.55	-4.22	7.99	8.17	15.66	-0.87
Blackrock Multi-Asset Income (BKMIX)	5,415,917	4.1	6.39 (18)	6.39 (18)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
50% MSCI World Ind(Net TR)/50% Bar US Agg Ind	0,410,017	¬т. 1	6.40 (18)	6.40 (18)	4.93 (36)	8.80 (53)	8.47 (51)	-0.98 (19)	8.10 (49)	8.84 (46)	13.48 (64)	0.72 (35)
Difference			-0.01	-0.01	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
IM Flexible Portfolio (MF) Median			2.58	2.58	3.38	9.02	8.55	-4.22	7.99	8.17	15.66	-0.87
Isabio i ordono (mi ) modian			2.50	2.00	0.00	0.02	0.00			0.11	. 0.00	0.01





	Alloc	Allocation		Performance(%)								
	Market Value \$	%	FYTD	Oct-2018 To Sep-2019	Oct-2017 To Sep-2018	Oct-2016 To Sep-2017	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015	Oct-2013 To Sep-2014	То	Oct-2011 To Sep-2012	Oct-2010 To Sep-2011
Convertible												
AllianzGI FI Convert	-	0.0	N/A	N/A	N/A	13.56 (19)	7.21 (73)	-2.50 (71)	N/A	N/A	N/A	N/A
ICE BofAML All Convertibles ex Mandatory			3.71 (75)	3.71 (75)	12.96 (12)	16.52 (9)	9.84 (41)	-2.51 (71)	14.45 (16)	20.71 (11)	16.46 (31)	-0.69 (48)
Difference			N/A	N/A	N/A	-2.96	-2.63	0.01	N/A	N/A	N/A	N/A
IM U.S. Convertible Bonds (SA+CF) Median			4.63	4.63	8.99	9.90	8.65	-0.14	9.93	15.41	14.01	-0.83
Sun Bank Capital R&D Cash	1,240,236	0.9										



Asset Allocation & Performance												
	Allo	cation					Perform	ance(%)				
	Market Value \$	%	FYTD	Oct-2018 To Sep-2019	Oct-2017 To Sep-2018	Oct-2016 To Sep-2017	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015	Oct-2013 To Sep-2014	Oct-2012 To Sep-2013	Oct-2011 To Sep-2012	Oct-2010 To Sep-2011
Total Fund Composite	133,091,268	100.0	3.04	3.04	10.81	12.85	10.49	0.29	12.25	13.20	19.17	0.71
Policy Index Difference			3.34 -0.30	3.34 -0.30	9.71 1.10	12.18 0.67	11.13 -0.64	0.05 0.24	10.98 1.27	11.68 1.52	17.79 1.38	2.69 -1.98
Total Equity Composite	92,312,102	69.4	1.60	1.60	15.10	19.23	14.09	-0.53	16.59	22.52	29.57	-2.26
Total Equity Index Difference			1.28 0.32	1.28 0.32	14.77 0.33	18.57 0.66	14.84 -0.75	-1.30 0.77	15.96 0.63	21.23 1.29	28.59 0.98	0.04 -2.30
Total Domestic Equity	80,310,074	60.3										
Vanguard Total Stock Mkt (VTSAX) CRSP U.S. Total Market TR Index Difference	2,062,425	1.5	2.88 2.92 -0.04	2.88 2.92 -0.04	17.62 17.62 0.00	N/A 18.64 N/A	N/A 14.99 N/A	N/A -0.55 N/A	N/A 17.77 N/A	N/A 21.59 N/A	N/A 29.96 N/A	N/A 0.46 N/A
Boston LCV Russell 1000 Value Index Difference	15,910,859	12.0	3.10 4.00 -0.90	3.10 4.00 -0.90	13.80 9.45 4.35	18.83 15.12 3.71	15.48 16.19 -0.71	-3.23 -4.42 1.19	20.35 18.89 1.46	27.45 22.30 5.15	32.67 30.92 1.75	-5.35 -1.89 -3.46
Dana LCG Russell 1000 Growth Index Difference	-	0.0	N/A 3.71 N/A	N/A 3.71 N/A	N/A 26.30 N/A	23.31 21.94 1.37	8.10 13.76 -5.66	4.58 3.17 1.41	19.10 19.15 -0.05	18.79 19.27 -0.48	29.38 29.19 0.19	N/A 3.78 N/A
Rhumbline LCV Russell 1000 Value Index Difference	13,275,473	10.0	4.00 4.00 0.00	4.00 4.00 0.00	9.39 9.45 -0.06	15.07 15.12 -0.05	16.10 16.19 -0.09	-4.64 -4.42 -0.22	18.81 18.89 -0.08	22.20 22.30 -0.10	30.80 30.92 -0.12	-1.89 -1.89 0.00
Rhumbline LCG Russell 1000 Growth Index Difference	28,687,781	21.6	3.68 3.71 -0.03	3.68 3.71 -0.03	26.21 26.30 -0.09	21.85 21.94 -0.09	13.63 13.76 -0.13	3.10 3.17 -0.07	19.10 19.15 -0.05	19.24 19.27 -0.03	29.11 29.19 -0.08	3.76 3.78 -0.02
Rhumbline MC S&P MidCap 400 Index Difference	20,373,535	15.3	-2.52 -2.49 -0.03	-2.52 -2.49 -0.03	14.11 14.21 -0.10	17.43 17.52 -0.09	15.04 15.33 -0.29	1.39 1.40 -0.01	11.79 11.82 -0.03	27.55 27.68 -0.13	28.53 28.54 -0.01	-1.15 -1.28 0.13

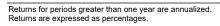


	Allo	ocation Performance(%)										
	Market Value \$	%	FYTD	Oct-2018 To Sep-2019	Oct-2017 To Sep-2018	Oct-2016 To Sep-2017	Oct-2015 To Sep-2016	Oct-2014 To Sep-2015	Oct-2013 To Sep-2014	Oct-2012 To Sep-2013	Oct-2011 To Sep-2012	Oct-2010 To Sep-2011
Total International Equity	-			•	•	•		•	•		•	<u> </u>
Harding Loevner Intl Equity (HLIZX)	6,165,342	4.6	-3.34	-3.34	5.85	18.66	17.62	-9.03	4.34	16.27	19.57	N/A
MSCI EAFE Index			-0.82	-0.82	3.25	19.65	7.06	-8.27	4.70	24.29	14.33	-8.94
Difference			-2.52	-2.52	2.60	-0.99	10.56	-0.76	-0.36	-8.02	5.24	N/A
Harding Loevner EM (HLMEX)	5,836,687	4.4	0.78	0.78	-4.30	21.95	19.76	-17.44	7.12	5.79	23.46	N/A
MSCI Emerging Markets Index			-1.63	-1.63	-0.44	22.91	17.21	-18.98	4.66	1.33	17.34	-15.89
Difference			2.41	2.41	-3.86	-0.96	2.55	1.54	2.46	4.46	6.12	N/A
Total Fixed Income Composite	28,706,949	21.6	7.27	7.27	-0.22	0.15	4.81	1.36	4.02	-1.24	5.25	5.25
Total Fixed Income Index			8.17	8.17	-1.04	0.16	5.43	1.83	3.65	-1.51	5.10	5.26
Difference			-0.90	-0.90	0.82	-0.01	-0.62	-0.47	0.37	0.27	0.15	-0.01
Denver Core FI	-	0.0	N/A	N/A	N/A	0.27	4.03	2.40	3.46	-0.73	N/A	N/A
Denver FI Index			8.59	8.59	-1.01	0.20	3.85	2.73	2.88	-1.18	N/A	N/A
Difference			N/A	N/A	N/A	0.07	0.18	-0.33	0.58	0.45	N/A	N/A
Garcia Hamilton Fixed Income	28,706,949	21.6	7.27	7.27	N/A							
Bloomberg Barclays Intermediate US Govt/Credit Idx	(		8.17	8.17	-0.96	0.23	3.52	2.68	2.20	-0.50	4.40	3.40
Difference			-0.90	-0.90	N/A							
State Street Core FI	-	0.0	N/A	N/A	N/A	-0.02	5.17	2.97	3.94	-1.76	5.17	5.25
SS Fixed Inc Index			10.30	10.30	-1.22	0.07	5.19	2.94	3.96	-1.68	5.16	5.26
Difference			N/A	N/A	N/A	-0.09	-0.02	0.03	-0.02	-0.08	0.01	-0.01
Total Real Return Composite	10,831,980	8.1										
JPMorgan Income Builder Fund (JNBZX)	5,416,064	4.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
50% MSCI World Ind(Net TR)/50% Bar US Agg Ind			6.40	6.40	4.93	8.80	8.47	-0.98	8.10	8.84	13.48	0.72
Difference			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Blackrock Multi-Asset Income (BKMIX)	5,415,917	4.1	6.39	6.39	N/A							
50% MSCI World Ind(Net TR)/50% Bar US Agg Ind			6.40	6.40	4.93	8.80	8.47	-0.98	8.10	8.84	13.48	0.72
Difference			-0.01	-0.01	N/A							
Convertible												
AllianzGI FI Convert	-	0.0	N/A	N/A	N/A	13.56	7.21	-2.50	N/A	N/A	N/A	N/A
ICE BofAML All Convertibles ex Mandatory			3.71	3.71	12.96	16.52	9.84	-2.51	14.45	20.71	16.46	-0.69
Difference			N/A	N/A	N/A	-2.96	-2.63	0.01	N/A	N/A	N/A	N/A
Sun Bank Capital R&D Cash	1,240,236	0.9										



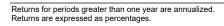
As of September 30, 2019

Historical Rolling P	Performance				
	QTR	1 YR	3 YR	5 YR	Inception
09/30/2019	0.99	3.11	8.94	7.54	8.49
06/30/2019	3.59	6.28	9.74	7.18	8.53
03/31/2019	10.53	4.68	9.58	7.21	8.48
12/31/2018	-10.84	-5.69	6.45	5.58	8.17
09/30/2018	4.10	10.95	11.55	9.42	8.69
06/30/2018	2.03	10.32	8.01	9.53	8.61
03/31/2018	-0.42	10.93	7.15	9.24	8.62
12/31/2017	4.89	16.15	8.27	10.73	8.72
09/30/2017	3.51	13.03	7.92	9.90	8.61
06/30/2017	2.60	12.71	6.45	10.11	8.55
03/31/2017	4.26	13.31	6.85	9.17	8.53
12/31/2016	2.08	10.12	6.19	10.07	8.44
09/30/2016	3.22	10.68	7.75	11.11	8.44
06/30/2016	3.14	1.35	8.23	8.45	8.39
03/31/2016	1.33	-2.12	7.36	7.98	8.35
12/31/2015	2.60	-0.76	9.18	8.46	8.38
09/30/2015	-5.49	0.48	8.62	9.06	8.35
06/30/2015	-0.38	5.61	12.32	11.82	8.69
03/31/2015	2.73	10.00	11.82	10.91	8.80
12/31/2014	3.89	9.58	13.93	11.18	8.77
09/30/2014	-0.67	12.47	15.04	11.00	8.69
06/30/2014	3.76	18.46	11.92	13.06	8.82
03/31/2014	2.34	14.92	10.89	13.71	8.75
12/31/2013	6.63	19.67	11.33	12.39	8.74
09/30/2013	4.62	13.40	10.93	8.82	8.53
06/30/2013	0.66	13.27	11.81	6.27	8.41
03/31/2013	6.57	10.60	9.91	5.93	8.48
12/31/2012	1.04	12.76	9.01	3.27	8.27
09/30/2012	4.50	19.38	9.73	3.36	8.32
06/30/2012	-1.71	4.48	11.24	3.06	8.20
03/31/2012	8.65	7.29	14.36	4.04	8.38
12/31/2011	6.97	2.27	9.95	2.61	8.06
09/30/2011	-8.54	0.85	4.08	2.12	7.82
06/30/2011	0.93	18.10	4.63	4.80	8.38
03/31/2011	3.57	11.90	3.98	4.45	8.44
12/31/2010	5.48	12.33	0.62	4.00	8.36
09/30/2010	7.11	9.75	-0.67	3.27	8.18
06/30/2010	-4.37	11.57	-1.97	2.17	7.91
03/31/2010	3.97	24.59	0.51	3.43	8.26
12/31/2009	3.06	15.70	-0.32	2.44	8.15





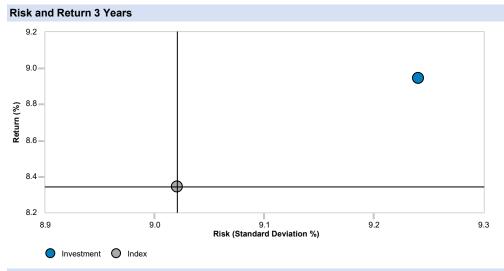
Historical Rolling P	Performance				
	QTR	1 YR	3 YR	5 YR	Inception
09/30/2019	0.67	3.34	8.34	7.18	8.50
06/30/2019	3.47	6.94	9.27	6.89	8.55
03/31/2019	10.82	5.44	8.94	6.97	8.50
12/31/2018	-10.49	-5.58	5.93	5.22	8.18
09/30/2018	4.18	9.71	11.00	8.72	8.69
06/30/2018	2.02	8.67	7.66	8.72	8.61
03/31/2018	-0.76	9.09	6.81	8.30	8.61
12/31/2017	4.01	14.48	7.92	9.82	8.73
09/30/2017	3.19	12.18	7.64	9.10	8.65
06/30/2017	2.42	12.26	6.29	9.31	8.61
03/31/2017	4.15	12.39	6.79	8.54	8.59
12/31/2016	1.91	9.96	6.06	9.16	8.51
09/30/2016	3.27	11.13	7.26	10.17	8.52
06/30/2016	2.54	2.29	7.59	7.82	8.47
03/31/2016	1.90	-0.61	6.72	7.51	8.45
12/31/2015	3.00	-0.15	8.26	7.90	8.45
09/30/2015	-4.95	0.05	7.44	8.45	8.41
06/30/2015	-0.37	4.57	10.76	11.18	8.73
03/31/2015	2.37	9.02	10.49	10.19	8.84
12/31/2014	3.21	8.66	12.18	10.59	8.83
09/30/2014	-0.66	10.98	13.44	10.63	8.78
06/30/2014	3.87	16.42	10.86	13.04	8.90
03/31/2014	2.03	12.17	9.85	14.37	8.83
12/31/2013	5.41	16.93	10.47	12.67	8.83
09/30/2013	4.21	11.68	10.54	8.80	8.68
06/30/2013	0.08	11.62	11.75	6.78	8.59
03/31/2013	6.36	10.29	9.93	6.41	8.68
12/31/2012	0.67	11.11	9.19	4.18	8.48
09/30/2012	4.16	17.79	10.17	3.97	8.55
06/30/2012	-1.11	4.83	12.41	3.61	8.45
03/31/2012	7.15	7.14	16.51	4.51	8.61
12/31/2011	6.73	3.77	11.80	3.30	8.36
09/30/2011	-7.30	2.69	5.04	2.74	8.13
06/30/2011	1.06	19.26	5.85	5.28	8.62
03/31/2011	3.79	12.43	4.91	4.90	8.68
12/31/2010	5.61	12.90	2.10	4.45	8.59
09/30/2010	7.67	10.56	0.15	3.59	8.41
06/30/2010	-4.73	13.60	-1.51	2.35	8.11
03/31/2010	4.22	31.30	1.16	3.84	8.49
12/31/2009	3.42	19.27	0.13	2.69	8.37

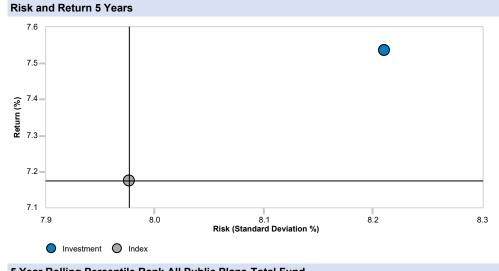


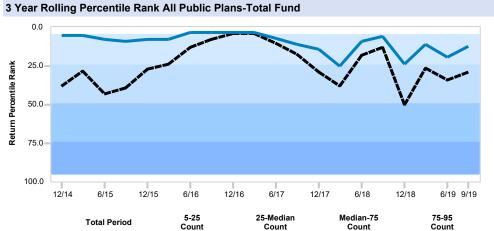


Historical Statis	stics 3 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	8.94	9.24	0.81	105.28	10	103.66	2
Index	8.34	9.02	0.77	100.00	10	100.00	2

<b>Historical Statis</b>	stics 5 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	7.54	8.21	0.82	104.49	16	103.43	4
Index	7.18	7.98	0.80	100.00	16	100.00	4







0 (0%)

11 (55%)

0 (0%)

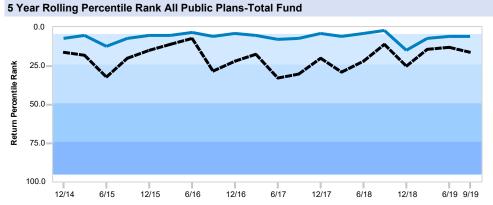
0 (0%)

0 (0%)

0 (0%)

20 (100%)

9 (45%)



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	20	20 (100%)	0 (0%)	0 (0%)	0 (0%)
Index	20	15 (75%)	5 (25%)	0 (0%)	0 (0%)



Investment

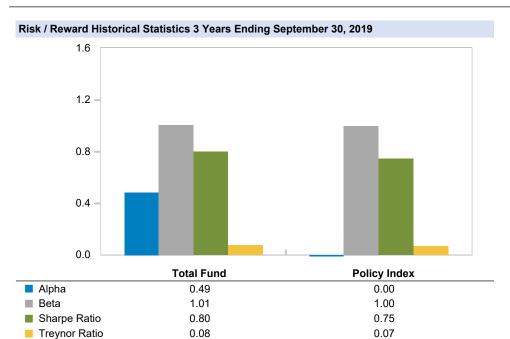
\_\_ Index

20

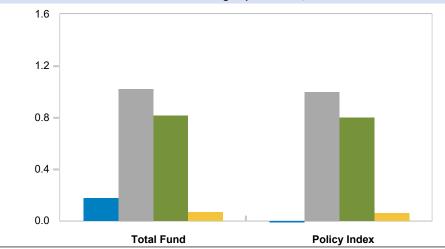
20





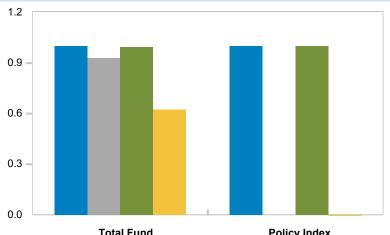


#### Risk / Reward Historical Statistics 5 Years Ending September 30, 2019



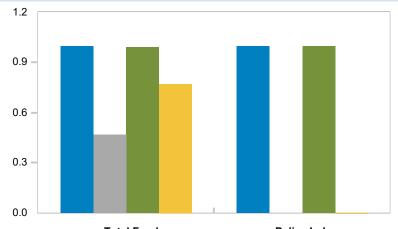
	Total Fund	Policy Index
Alpha	0.18	0.00
Beta	1.03	1.00
Sharpe Ratio	0.82	0.80
Treynor Ratio	0.07	0.06

#### Benchmark Relative Historical Statistics 3 Years Ending September 30, 2019



0.0		
	Total Fund	Policy Index
Actual Correlation	1.00	1.00
Information Ratio	0.93	N/A
R-Squared	1.00	1.00
Tracking Error	0.62	0.00

#### Benchmark Relative Historical Statistics 5 Years Ending September 30, 2019



Total Fund	Policy Index
1.00	1.00
0.47	N/A
0.99	1.00
0.77	0.00
	1.00 0.47 0.99

Benchmark: Policy Index



**Page Intentionally Left Blank** 

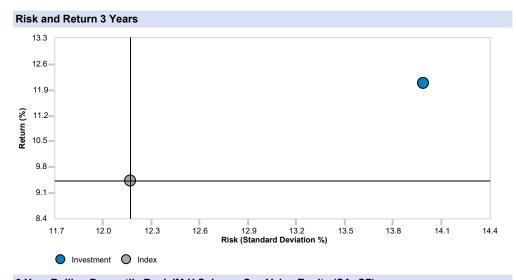


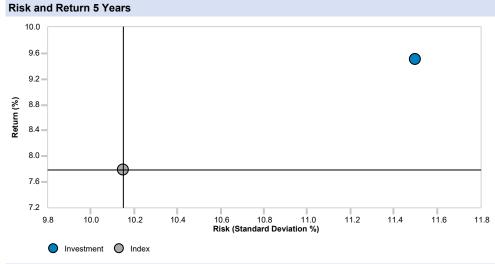


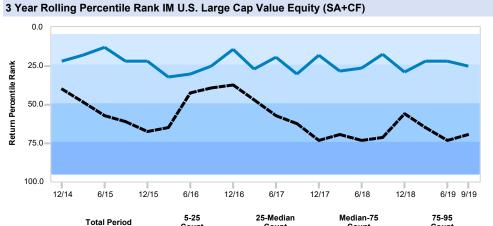


Historical Stati	stics 3 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	12.09	13.99	0.78	120.14	10	114.15	2
Index	9.43	12.17	0.68	100.00	10	100.00	2

Historical Statistics 5 Years								
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters	
Investment	9.51	11.50	0.77	113.96	16	100.51	4	
Index	7.79	10.15	0.70	100.00	16	100.00	4	







Count

7 (35%)

6 (30%)

Count

0 (0%)

14 (70%)

Count

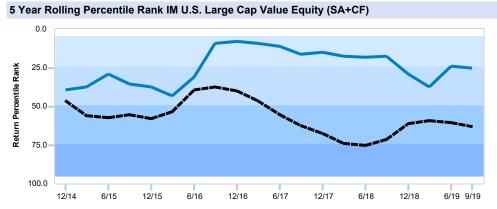
0 (0%)

0 (0%)

Count

13 (65%)

0 (0%)



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count	
Investment	20	11 (55%	9 (45%)	0 (0%)	0 (0%)	
Index	20	0 (0%)	5 (25%)	15 (75%)	0 (0%)	



Investment

\_\_ Index

20

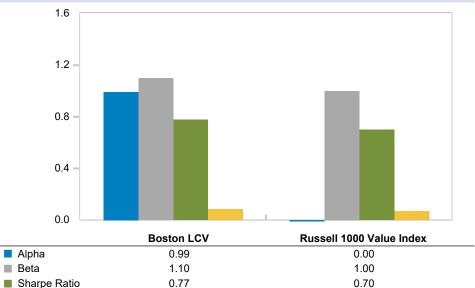
20





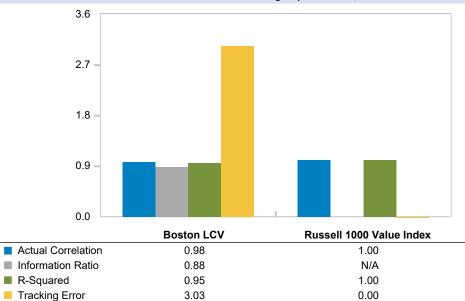
# Risk / Reward Historical Statistics 3 Years Ending September 30, 2019 2.0 1.5 1.0 0.5 0.0 **Boston LCV** Russell 1000 Value Index Alpha 0.00 1.52 Beta 1.12 1.00 Sharpe Ratio 0.86 0.74

# Risk / Reward Historical Statistics 5 Years Ending September 30, 2019



# Benchmark Relative Historical Statistics 3 Years Ending September 30, 2019

0.10

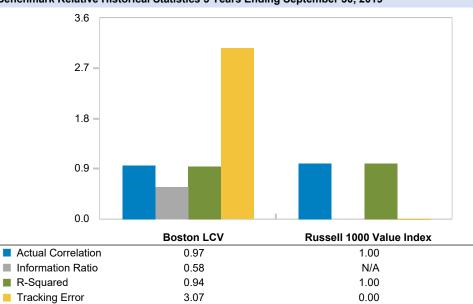


0.08

# Benchmark Relative Historical Statistics 5 Years Ending September 30, 2019

0.08

Treynor Ratio



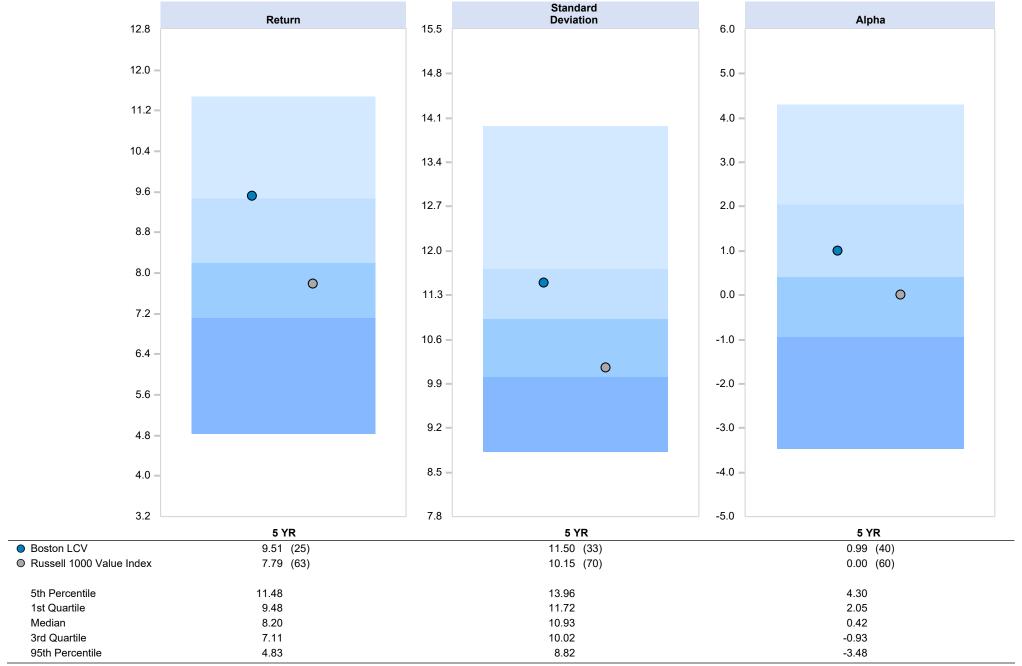
0.07

Benchmark: Russell 1000 Value Index

Treynor Ratio



As of September 30, 2019

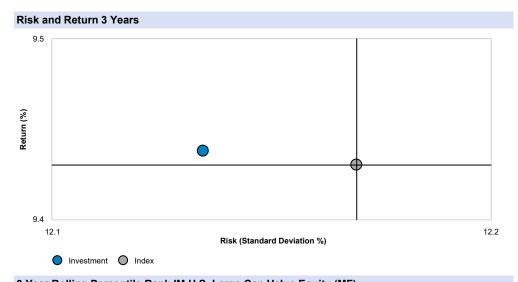


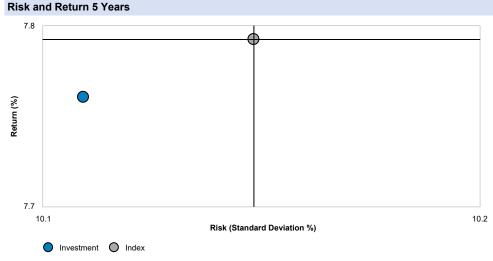
Parentheses contain percentile rankings. Calculation based on quarterly periodicity.

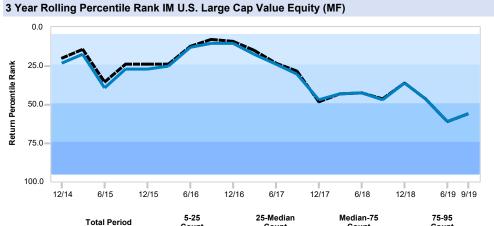


Historical Stati	stics 3 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	9.44	12.13	0.68	99.81	10	99.63	2
Index	9.43	12.17	0.68	100.00	10	100.00	2

Historical Statistics 5 Years								
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters	
Investment	7.76	10.11	0.70	99.58	16	99.59	4	
Index	7.79	10.15	0.70	100.00	16	100.00	4	







Count

10 (50%)

8 (40%)

Count

2 (10%)

2 (10%)

Count

0 (0%)

0 (0%)

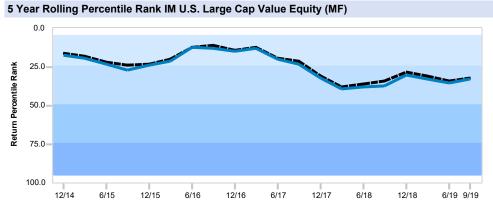
Count

8 (40%)

10 (50%)

20

20



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	20	11 (55%)	9 (45%)	0 (0%)	0 (0%)
Index	20	12 (60%)	8 (40%)	0 (0%)	0 (0%)



Investment

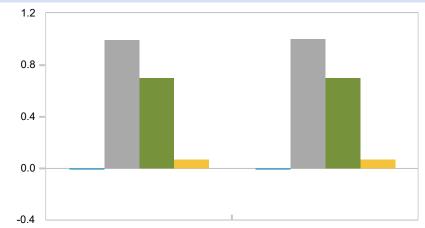
\_\_ Index





# Risk / Reward Historical Statistics 3 Years Ending September 30, 2019 1.2 0.9 0.6 0.3 0.0 **Rhumbline LCV** Russell 1000 Value Index Alpha 0.03 0.00 Beta 1.00 1.00

# Risk / Reward Historical Statistics 5 Years Ending September 30, 2019

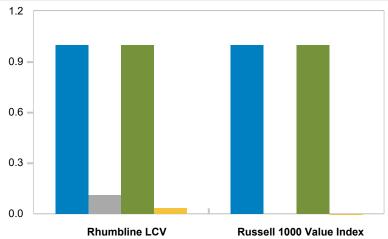


	Rhumbline LCV	Russell 1000 Value Index
Alpha	0.00	0.00
Beta	1.00	1.00
Sharpe Ratio	0.70	0.70
Treynor Ratio	0.07	0.07

# Benchmark Relative Historical Statistics 3 Years Ending September 30, 2019

0.74

0.08

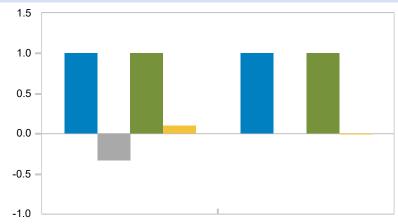


0.74

0.08

0.0			
0.3 –			
0.0	Rhumhline I CV	Russell 1000 Value Index	
	Rhumbline LCV	Russell 1000 Value Index	
Actual Correlation     Information Ratio	Rhumbline LCV 1.00 0.11	Russell 1000 Value Index 1.00 N/A	
■ Actual Correlation	1.00	1.00	

# Benchmark Relative Historical Statistics 5 Years Ending September 30, 2019



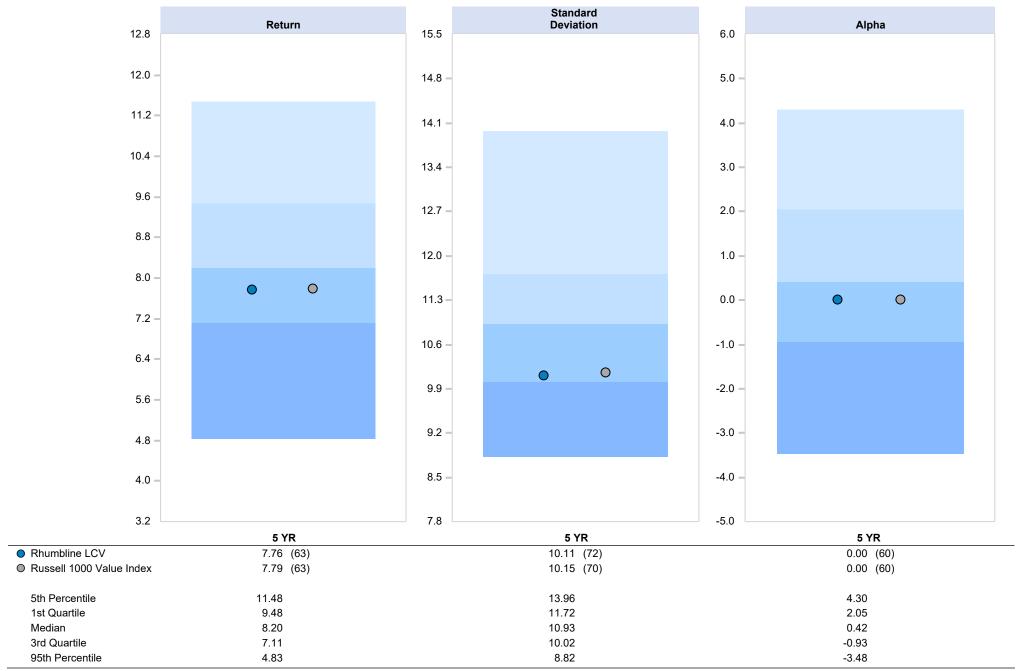
	Rhumbline LCV	Russell 1000 Value Index
Actual Correlation	1.00	1.00
Information Ratio	-0.33	N/A
R-Squared	1.00	1.00
Tracking Error	0.10	0.00

Benchmark: Russell 1000 Value Index

■ Sharpe Ratio

Treynor Ratio



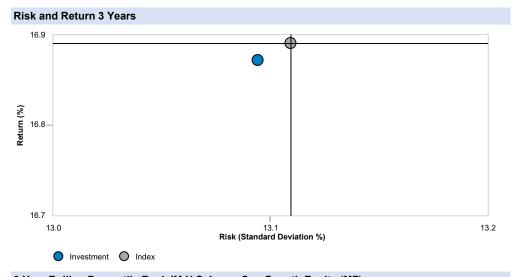


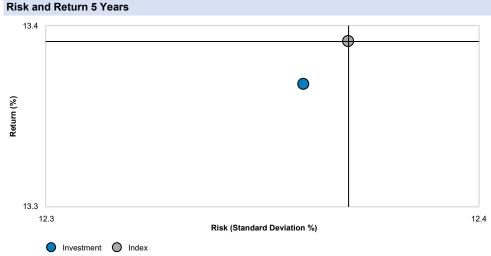
Parentheses contain percentile rankings. Calculation based on quarterly periodicity.



Historical Stati	stics 3 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	16.87	13.09	1.15	99.90	11	99.91	1
Index	16.89	13.11	1.15	100.00	11	100.00	1

Historical Statistics 5 Years								
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters	
Investment	13.37	12.36	1.02	99.84	18	99.88	2	
Index	13.39	12.37	1.02	100.00	18	100.00	2	







Count

8 (40%)

8 (40%)

Count

0 (0%)

0 (0%)

Count

0 (0%)

0 (0%)

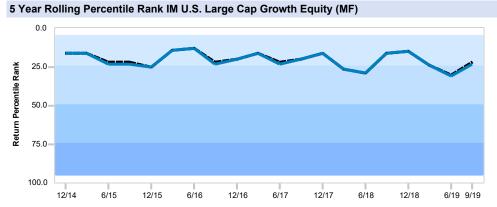
Count

12 (60%)

12 (60%)

20

20



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	20	17 (85%)	3 (15%)	0 (0%)	0 (0%)
Index	20	17 (85%)	3 (15%)	0 (0%)	0 (0%)



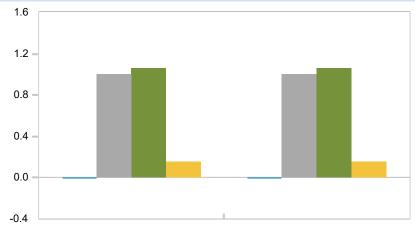
Investment

\_\_ Index



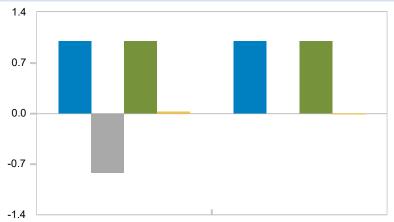


# Risk / Reward Historical Statistics 3 Years Ending September 30, 2019



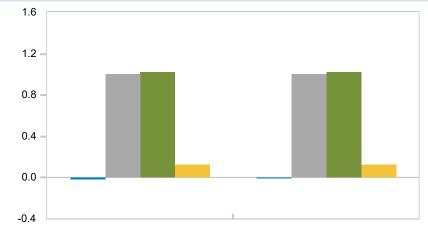
	Rhumbline LCG	Russell 1000 Growth Index
■ Alpha	0.00	0.00
Beta	1.00	1.00
Sharpe Ratio	1.06	1.06
Trevnor Ratio	0.15	0.15

# Benchmark Relative Historical Statistics 3 Years Ending September 30, 2019



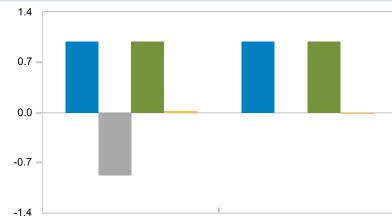
	Rhumbline LCG	Russell 1000 Growth Index
Actual Correlation	1.00	1.00
Information Ratio	-0.83	N/A
R-Squared	1.00	1.00
Tracking Error	0.02	0.00

# Risk / Reward Historical Statistics 5 Years Ending September 30, 2019



	Rhumbline LCG	Russell 1000 Growth Index
■ Alpha	-0.01	0.00
■ Beta	1.00	1.00
Sharpe Ratio	1.02	1.02
Treynor Ratio	0.13	0.13

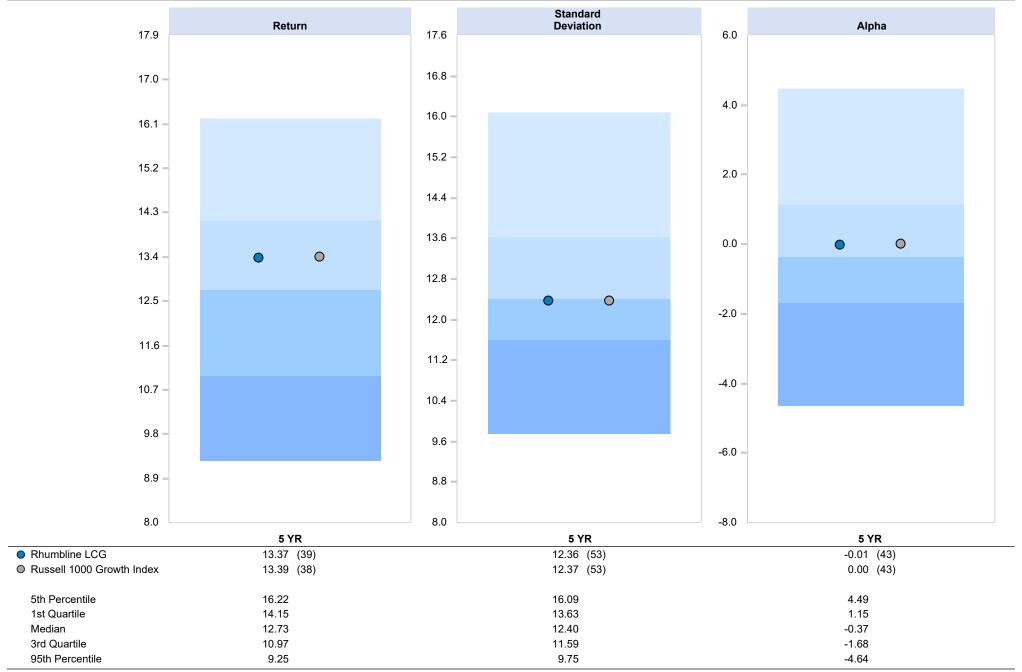
# Benchmark Relative Historical Statistics 5 Years Ending September 30, 2019



	Rhumbline LCG	Russell 1000 Growth Index
Actual Correlation	1.00	1.00
Information Ratio	-0.87	N/A
R-Squared	1.00	1.00
Tracking Error	0.03	0.00

Benchmark: Russell 1000 Growth Index



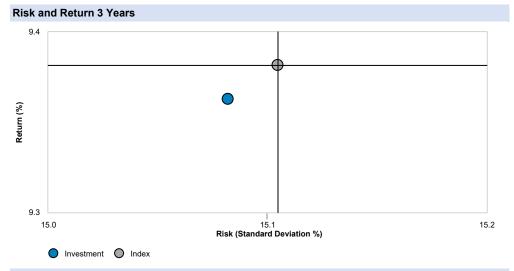


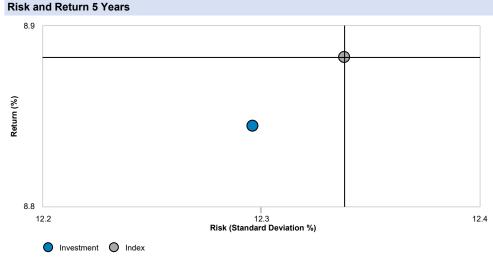
Parentheses contain percentile rankings. Calculation based on quarterly periodicity.

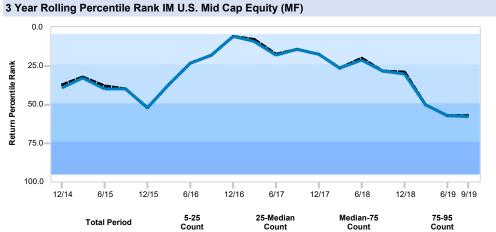


Historical Stati	stics 3 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	9.36	15.08	0.57	99.86	9	99.91	3
Index	9.38	15.10	0.57	100.00	9	100.00	3

<b>Historical Statis</b>	stics 5 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	8.84	12.30	0.68	99.57	15	99.57	5
Index	8.88	12.34	0.68	100.00	15	100.00	5







9 (45%)

9 (45%)

3 (15%)

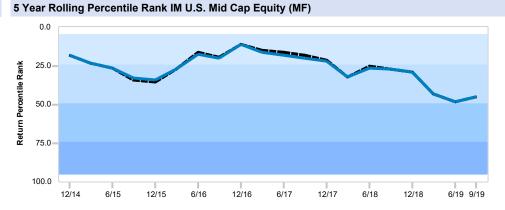
3 (15%)

0 (0%)

0 (0%)

8 (40%)

8 (40%)



	Total Period	5-2 Cou		25-Me Cou		Media Cou		75-9 Cou		
Investment	20	9	(45%)	11	(55%)	0	(0%)	0	(0%)	
Index	20	10	(50%)	10	(50%)	0	(0%)	0	(0%)	



Investment

\_\_ Index

20

20

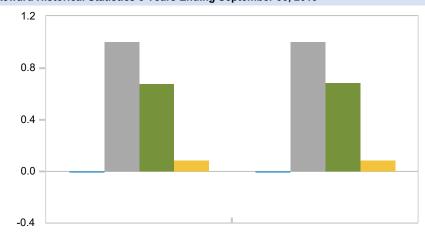




# Risk / Reward Historical Statistics 3 Years Ending September 30, 2019

1.2		
0.9 –		
0.6 –		
0.3 –		
0.0	Rhumbline MC	S&P MidCap 400 Index
■ Alpha	0.00	0.00
■ Beta	1.00	1.00

# Risk / Reward Historical Statistics 5 Years Ending September 30, 2019

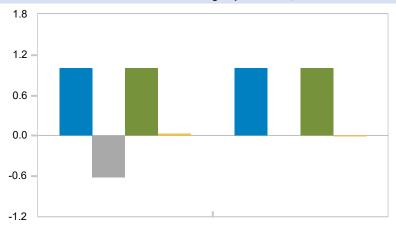


	Rhumbline MC	S&P MidCap 400 Index
■ Alpha	-0.01	0.00
■ Beta	1.00	1.00
Sharpe Ratio	0.68	0.68
Treynor Ratio	0.08	0.08

# Benchmark Relative Historical Statistics 3 Years Ending September 30, 2019

0.60

0.09

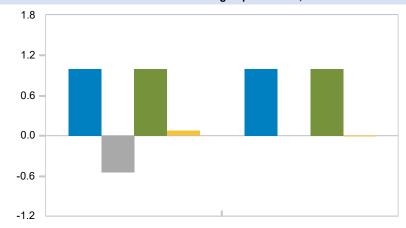


0.60

0.09

	Rhumbline MC	S&P MidCap 400 Index
Actual Correlation	1.00	1.00
Information Ratio	-0.61	N/A
R-Squared	1.00	1.00
Tracking Error	0.04	0.00

# Benchmark Relative Historical Statistics 5 Years Ending September 30, 2019



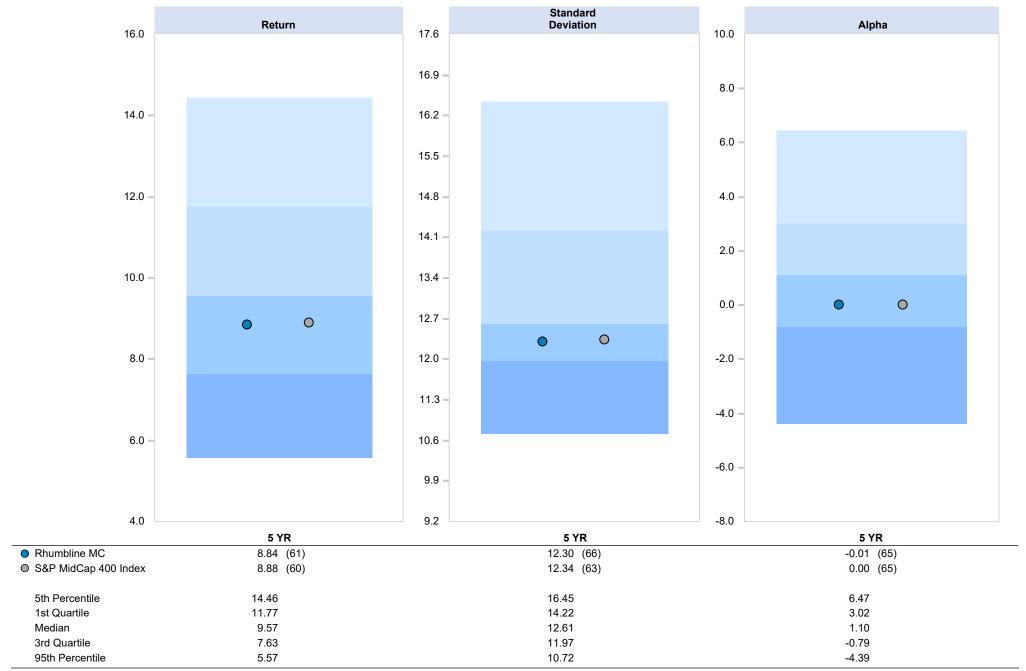
	Rhumbline MC	S&P MidCap 400 Index
Actual Correlation	1.00	1.00
Information Ratio	-0.55	N/A
R-Squared	1.00	1.00
Tracking Error	0.07	0.00

Benchmark: S&P MidCap 400 Index

■ Sharpe Ratio

Treynor Ratio



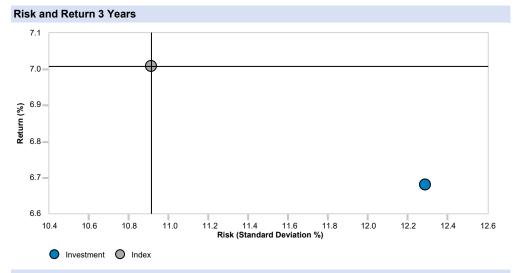


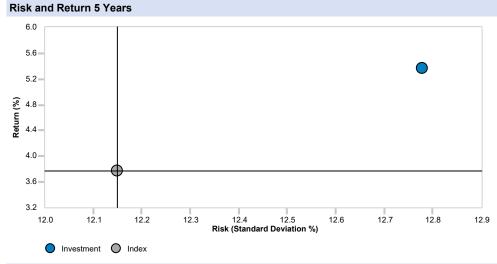
Parentheses contain percentile rankings. Calculation based on quarterly periodicity.

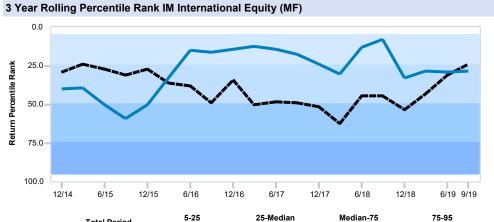


Historical Stati	stics 3 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	6.68	12.29	0.46	104.07	8	107.68	4
Index	7.01	10.91	0.54	100.00	7	100.00	5

<b>Historical Statis</b>	stics 5 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	5.37	12.78	0.40	99.45	14	88.50	6
Index	3.77	12.15	0.29	100.00	11	100.00	9







Count

10 (50%)

15 (75%)

Count

1 (5%)

3 (15%)

Count

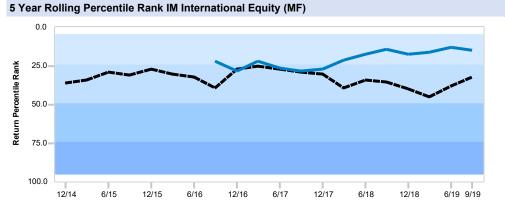
0 (0%)

0 (0%)

Count

9 (45%)

2 (10%)



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count
Investment	13	9 (69%)	4 (31%)	0 (0%)	0 (0%)
Index	20	1 (5%)	19 (95%)	0 (0%)	0 (0%)



Investment

\_\_ Index

**Total Period** 

20

20

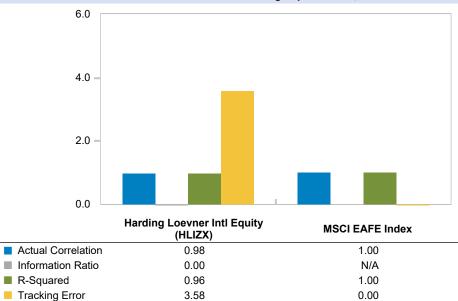




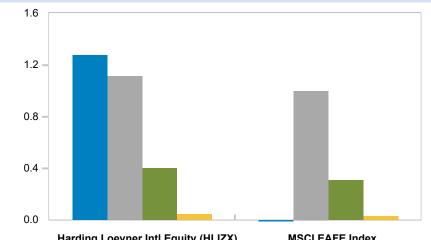
# Risk / Reward Historical Statistics 3 Years Ending September 30, 2019 1.8 0.9 -0.9 -1.8 -2.7

	Harding Loevner Intl Equity (HLIZX)	MSCI EAFE Index
Alpha	-1.44	0.00
Beta	1.20	1.00
Sharpe Ratio	0.43	0.52
Treynor Ratio	0.05	0.06

# Benchmark Relative Historical Statistics 3 Years Ending September 30, 2019

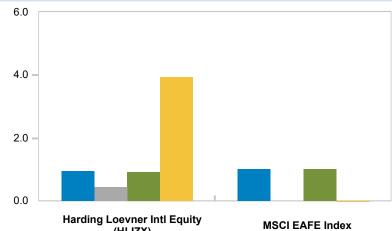


# Risk / Reward Historical Statistics 5 Years Ending September 30, 2019



	Harding Loevner Intl Equity (HLIZX)	MSCI EAFE Index
Alpha	1.28	0.00
Beta	1.12	1.00
Sharpe Ratio	0.40	0.31
Treynor Ratio	0.05	0.03

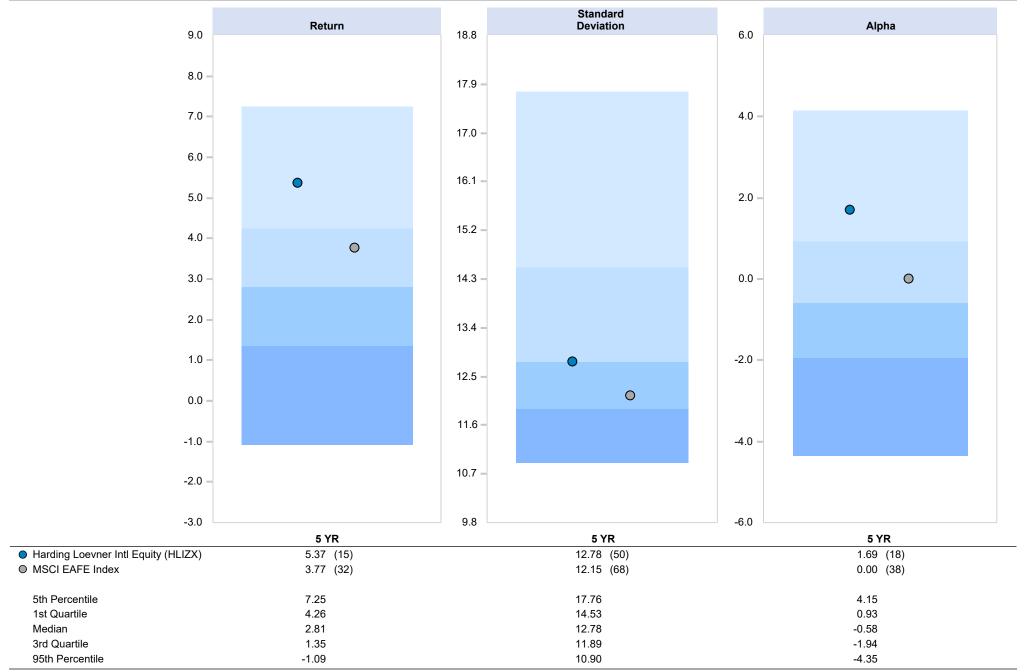
# Benchmark Relative Historical Statistics 5 Years Ending September 30, 2019



	(HLIZX)	MSCI EAFE Ind
Actual Correlation	0.96	1.00
Information Ratio	0.45	N/A
R-Squared	0.92	1.00
Tracking Error	3.94	0.00

Benchmark: MSCI EAFE Index



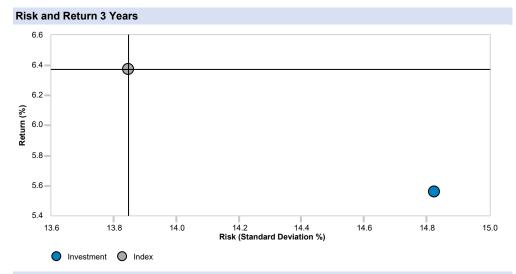


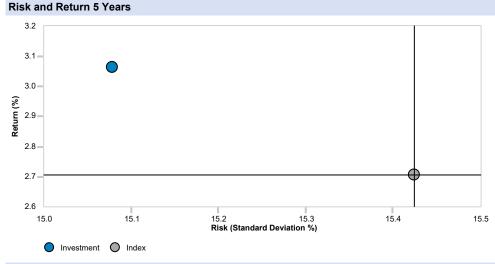
Parentheses contain percentile rankings. Calculation based on monthly periodicity.

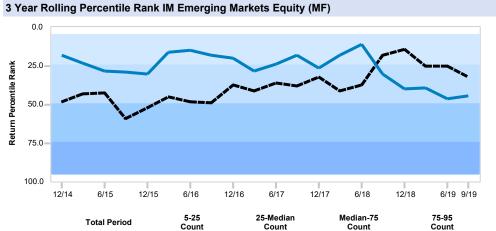


Historical Statistics 3 Years										
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters			
Investment	5.56	14.83	0.34	100.28	7	104.44	5			
Index	6.37	13.85	0.41	100.00	7	100.00	5			

Historical Statis	stics 5 Years						
	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	3.06	15.08	0.21	96.20	13	93.89	7
Index	2.71	15.43	0.19	100.00	13	100.00	7







10 (50%)

4 (20%)

10 (50%)

14 (70%)

0 (0%)

2 (10%)

0 (0%)

0 (0%)



	Total Period	5-25 Count	25-Median Count	Median-75 Count	75-95 Count	
Investment	13	9 (69%)	4 (31%)	0 (0%)	0 (0%)	
Index	20	3 (15%)	15 (75%)	2 (10%)	0 (0%)	



Investment

\_\_ Index

20

20



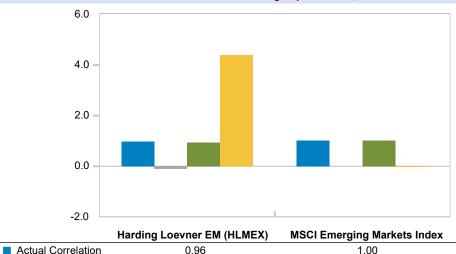


0.03

# Risk / Reward Historical Statistics 3 Years Ending September 30, 2019 1.8 0.9 0.0 -0.9 -1.8 **MSCI Emerging Markets Index** Harding Loevner EM (HLMEX) Alpha 0.00 -1.32 Beta 1.12 1.00 Sharpe Ratio 0.33 0.42 Treynor Ratio 0.05 0.06

# Risk / Reward Historical Statistics 5 Years Ending September 30, 2019 1.6 1.2 -8.0 0.4 0.0 Harding Loevner EM (HLMEX) **MSCI Emerging Markets Index** Alpha 0.00 0.40 Beta 1.00 1.00 ■ Sharpe Ratio 0.21 0.19

# Benchmark Relative Historical Statistics 3 Years Ending September 30, 2019

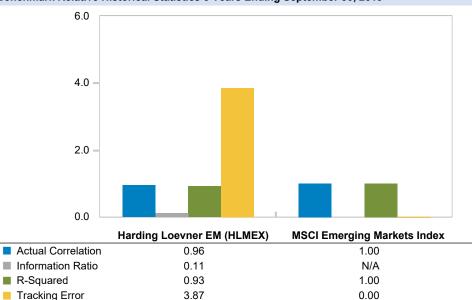


Harding Loevner EM (HLMEX)	MSCI Emerging Markets Index
0.96	1.00
-0.11	N/A
0.93	1.00
4.40	0.00

# Benchmark Relative Historical Statistics 5 Years Ending September 30, 2019

0.03

Treynor Ratio



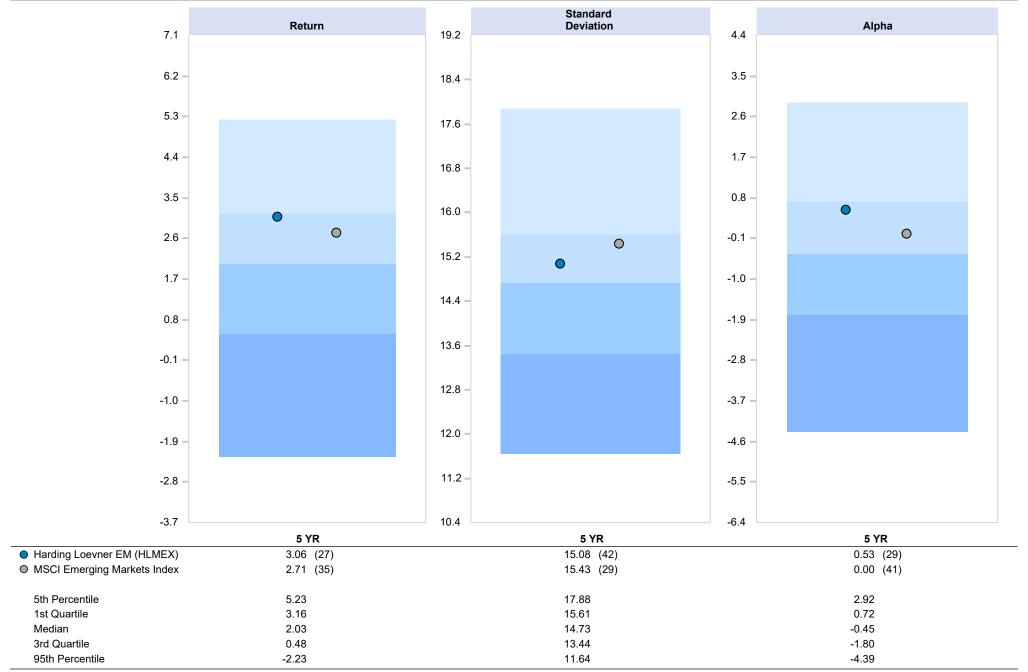
Benchmark: MSCI Emerging Markets Index

■ Information Ratio

R-Squared

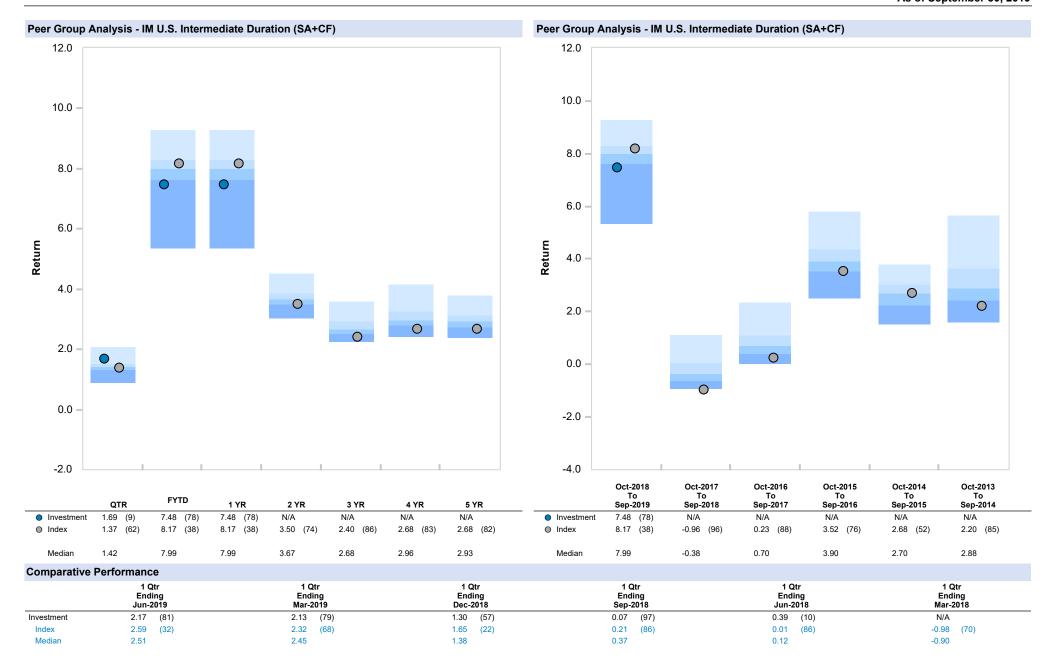
Tracking Error



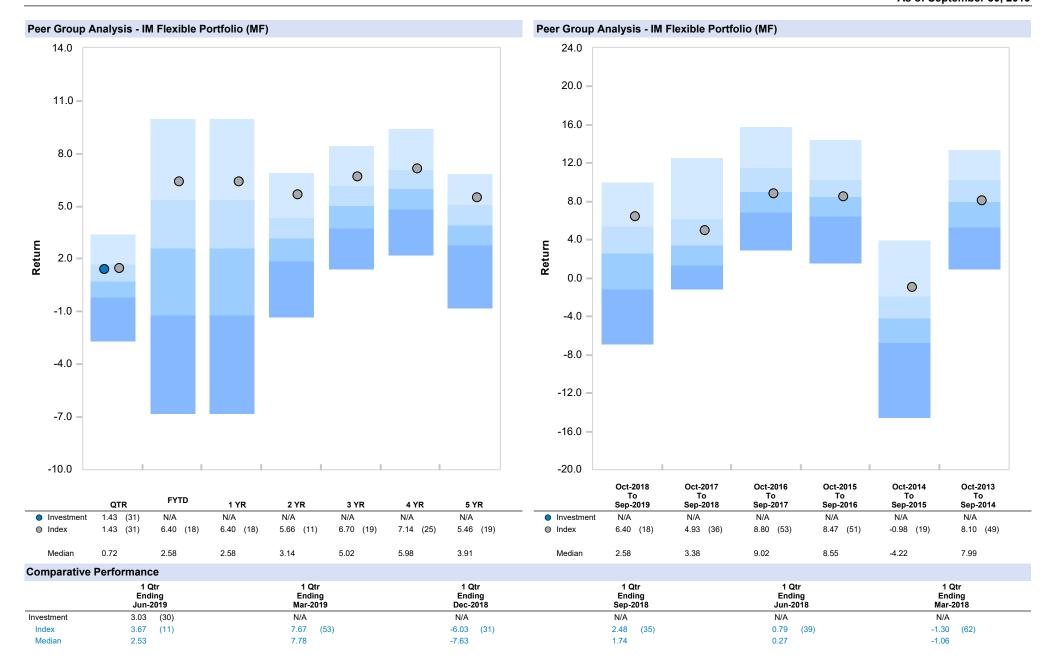


Parentheses contain percentile rankings. Calculation based on monthly periodicity.

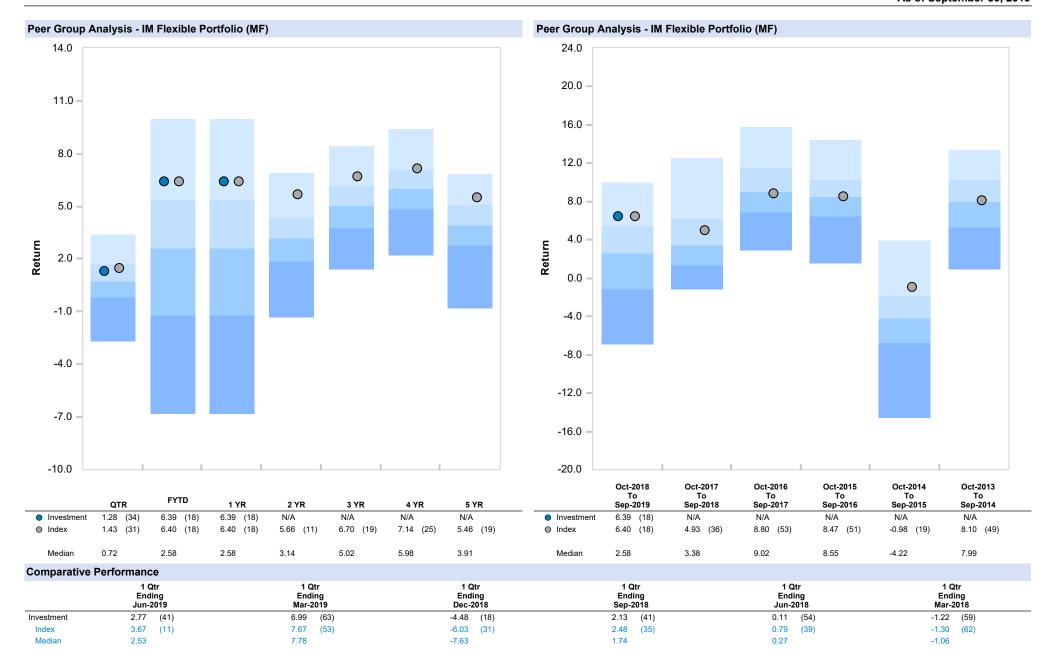














# Financial Reconciliation Total Fund

1 Quarter Ending June 30, 2019

	Market Value 04/01/2019	Contributions	Distributions	Net Transfers	Management Fees	Other Expenses	Income	Apprec./ Deprec.	Market Value 06/30/2019
Vanguard Total Stock Mkt (VTSAX)	2,959,915	-	-	729,757	-	-	6,348	106,765	3,802,786
Boston LCV	14,674,388	-	-	-	-	-1,649	97,834	711,091	15,481,664
Dana LCG	-	-	-	-	-	-	-	-	-
Rhumbline LCV	12,612,617	1,279	-	-	-1,279	-	-	485,284	13,097,902
Rhumbline LCG	29,393,463	2,926	-	-2,500,000	-2,926	-172	-	1,373,183	28,266,474
Rhumbline MC	19,790,504	1,998	-	-	-1,998	-	-	602,754	20,393,257
Harding Loevner EM (HLMEX)	5,962,392	-	-	-	-	-	-	79,994	6,042,386
Harding Loevner Intl Equity (HLIZX)	6,044,762	-	-	-	-	-	-	269,279	6,314,042
Garcia Hamilton Fixed Income	27,664,386	-	-	-	-13,359	-3,096	212,957	386,818	28,247,705
Westwood Income Opp (WHGIX)	-	-	-	-	-	-	-	-	-
JPMorgan Income Builder Fund (JNBZX)	5,182,828	-	-	-	-	-	61,977	95,043	5,339,848
Blackrock Multi-Asset Income (BKMIX)	5,202,868	-	-	-	-	-	70,807	73,541	5,347,217
Sun Bank Capital R&D Cash	1,235,666	375,086	-1,972,961	1,770,243	-	-139,261	4,058	-	1,272,830
Total Fund	130,723,788	381,289	-1,972,961	_	-19,562	-144,178	453,981	4,183,752	133,606,110



# Financial Reconciliation Total Fund

1 Quarter Ending March 31, 2019

Financial Reconciliation Quarter to Date									
	Market Value 01/01/2019	Contributions	Distributions	Net Transfers	Management Fees	Other Expenses	Income	Apprec./ Deprec.	Market Value 03/31/2019
Vanguard Total Stock Mkt (VTSAX)	1,382,748	-	-	1,404,168	-	-	18,749	154,251	2,959,915
Boston LCV	13,246,080	-	-	-	-	-1,488	103,086	1,326,711	14,674,388
Dana LCG	-	-	-	-	-	-	-	-	-
Rhumbline LCV	12,619,341	1,291	-	-1,500,000	-1,291	-128	-	1,493,405	12,612,617
Rhumbline LCG	26,648,429	2,901	-	-1,500,000	-2,901	-657	-	4,245,691	29,393,463
Rhumbline MC	17,291,924	1,960	-	-	-1,960	-	-	2,498,579	19,790,504
Harding Loevner EM (HLMEX)	5,205,308	-	-	-	-	-	-	757,084	5,962,392
Harding Loevner Intl Equity (HLIZX)	5,416,444	-	-	-	-	-	-	628,319	6,044,762
Garcia Hamilton Fixed Income	27,117,116	-	-	-	-26,262	-3,042	223,939	352,636	27,664,386
Westwood Income Opp (WHGIX)	4,784,629	-	-	-5,097,040	-	-	-	312,410	-
JPMorgan Income Builder Fund (JNBZX)	-	-	-	5,097,040	-	-	21,519	64,269	5,182,828
Blackrock Multi-Asset Income (BKMIX)	4,862,809	-	-	-	-	-	65,869	274,190	5,202,868
Sun Bank Capital R&D Cash	1,231,976	405,069	-1,983,482	1,595,832	-	-18,389	4,659	-1	1,235,666
Total Fund	119,806,804	411,221	-1,983,482	-	-32,414	-23,705	437,820	12,107,544	130,723,788



# Financial Reconciliation Total Fund

1 Quarter Ending December 31, 2018

Financial Reconciliation Quarter to Date									
	Market Value 10/01/2018	Contributions	Distributions	Net Transfers	Management Fees	Other Expenses	Income	Apprec./ Deprec.	Market Value 12/31/2018
Vanguard Total Stock Mkt (VTSAX)	1,163,313	-	-	647,389	-	-	11,017	-438,971	1,382,748
Boston LCV	15,439,344	-	-	-	-15,439	-1,735	102,611	-2,278,701	13,246,080
Dana LCG	-	-	-	-	-	-	-	-	-
Rhumbline LCV	14,288,559	1,337	-	-	-1,337	-	-	-1,669,219	12,619,341
Rhumbline LCG	31,676,187	2,822	-	-	-2,822	-	-	-5,027,758	26,648,429
Rhumbline MC	20,893,532	1,856	-	-	-1,856	-	-	-3,601,607	17,291,924
Harding Loevner EM (HLMEX)	5,791,432	-	-	-	-	-	-	-586,124	5,205,308
Harding Loevner Intl Equity (HLIZX)	6,375,642	-	-	-	-	-	-	-959,198	5,416,444
Garcia Hamilton Fixed Income	26,772,904	-	-	-	-	-3,002	174,570	172,644	27,117,116
Westwood Income Opp (WHGIX)	5,106,820	-	-	-	-	-	233,335	-555,526	4,784,629
JPMorgan Income Builder Fund (JNBZX)	-	-	-	-	-	-	-	-	-
Blackrock Multi-Asset Income (BKMIX)	5,090,764	-	-	-	-	-	67,062	-295,017	4,862,809
Sun Bank Capital R&D Cash	1,203,974	2,600,860	-1,891,408	-647,389	-	-38,755	3,695	1,000	1,231,976
Total Fund	133,802,471	2,606,875	-1,891,408	-	-21,454	-43,492	592,289	-15,238,477	119,806,804



# Delray Beach General Fee Analysis As of September 30, 2019

				<u></u>
	Estimated Annual Fee (%)	Market Value (\$)	Estimated Annual Fee (\$)	Fee Schedule
Vanguard Total Stock Mkt (VTSAX)	0.04	2,062,425	825	0.04 % of Assets
Boston LCV	0.50	15,910,859	79,554	0.50 % of First \$50 M 0.40 % Thereafter
Rhumbline LCV	0.04	13,275,473	5,310	0.04 % of Assets
Rhumbline LCG	0.04	28,687,781	11,475	0.04 % of Assets
Rhumbline MC	0.04	20,373,535	8,149	0.04 % of Assets
Total Domestic Equity Composite	0.13	80,310,074	105,314	
Harding Loevner Intl Equity (HLIZX)	0.82	6,165,342	50,556	0.82 % of Assets
Harding Loevner EM (HLMEX)	1.28	5,836,687	74,710	1.28 % of Assets
Total International Equity Composite	1.04	12,002,029	125,265	
Total Equity Composite	0.25	92,312,102	230,579	
Garcia Hamilton Fixed Income	0.20	28,706,949	57,414	0.20 % of First \$50 M 0.18 % Thereafter
Total Fixed Income Composite	0.20	28,706,949	57,414	
JPMorgan Income Builder Fund (JNBZX)	0.52	5,416,064	28,164	0.52 % of Assets
Blackrock Multi-Asset Income (BKMIX)	0.59	5,415,917	31,954	0.59 % of Assets
Total Real Return Composite	0.56	10,831,980	60,117	
Total Fund	0.26	133,091,268	348,111	
I Otal I ullu	0.20	133,031,200	340,111	



Fotal Policy Historical Hybrid Composition  Allocation Mandate	Weight (%)	Allocation Mandate	Weight (%)
Oct-1990	violgin (70)	Jul-2003	TTOIGHT (70)
Blmbg. Barc. U.S. Gov't/Credit	50.00	S&P 500 Index	50.00
S&P 500 Index	50.00	Blmbg. Barc. U.S. Gov't/Credit	50.00
SAF 500 Index	50.00	Billiby. Balc. U.S. Gov (Credit	50.00
Jul-1999		Apr-2007	
Blmbg. Barc. U.S. Gov't/Credit	46.00	Blmbg. Barc. U.S. Aggregate Index	45.00
S&P 500 Index	49.00	Russell 1000 Growth Index	24.50
FTSE 3 Month T-Bill	5.00	S&P 500 Value	24.50
		S&P MidCap 400 Index	6.00
Oct-1999			
S&P 500 Index	50.70	Jul-2009	
Blmbg. Barc. U.S. Gov't/Credit	44.35	Blmbg. Barc. U.S. Aggregate Index	45.00
FTSE 3 Month T-Bill	4.95	Russell 1000 Growth Index	24.50
		Russell 1000 Value Index	12.25
Jan-2000	40.00	S&P 500 Value	12.25
S&P 500 Index	49.93	S&P MidCap 400 Index	6.00
Blmbg. Barc. U.S. Gov't/Credit	43.55		
FTSE 3 Month T-Bill	6.52	Oct-2009	
Apr-2000		Blmbg. Barc. U.S. Aggregate Index	45.00
S&P 500 Index	53.18	Russell 1000 Value Index	24.50
Blmbg. Barc. U.S. Gov't/Credit	42.58	Russell 1000 Growth Index	24.50
FTSE 3 Month T-Bill	42.36	S&P MidCap 400 Index	6.00
TOE 3 MONUT T-DIII	4.24	Jul-2011	
Jul-2000		Blmbg. Barc. U.S. Aggregate Index	45.00
S&P 500 Index	53.24	Russell 1000 Value Index	22.00
Blmbg. Barc. U.S. Gov't/Credit	42.87	Russell 1000 Growth Index	22.00
FTSE 3 Month T-Bill	3.89	S&P MidCap 400 Index	6.00
		MSCI EAFE (Net) Index	2.50
Oct-2000		MSCI EAFE (Net) Index MSCI Emerging Markets (Net) Index	2.50
S&P 500 Index	51.18	MOOT Efficiency markets (Net) index	2.50
Blmbg. Barc. U.S. Gov't/Credit	43.03	Jan-2012	
FTSE 3 Month T-Bill	5.79	Blmbg. Barc. U.S. Aggregate Index	39.00
		Russell 1000 Value Index	22.00
an-2001		Russell 1000 Growth Index	22.00
S&P 500 Index	51.44	Bloomberg Barclays Intermediate US Govt/Credit Idx	6.00
Blmbg. Barc. U.S. Gov't/Credit	43.95	S&P MidCap 400 Index	6.00
FTSE 3 Month T-Bill	4.61	MSCI EAFE (Net) Index	2.50
Amr. 2004		MSCI Emerging Markets (Net) Index	2.50
Apr-2001	50.00	- 3 3 - (,	
S&P 500 Index	50.00		
Blmbg. Barc. U.S. Gov't/Credit	50.00		



Allocation Mandate	Weight (%)
Jan-2013	
Blmbg. Barc. U.S. Aggregate Index	34.00
Russell 1000 Value Index	20.00
Russell 1000 Growth Index	20.00
S&P MidCap 400 Index	15.00
Bloomberg Barclays Intermediate US Govt/Credit Idx	6.00
MSCI EAFE (Net) Index	2.50
MSCI Emerging Markets (Net) Index	2.50
Apr-2014	
Bloomberg Barclays Intermediate US Govt/Credit Idx	17.50
Blmbg. Barc. U.S. Aggregate Index	15.00
Russell 1000 Value Index	20.00
Russell 1000 Growth Index	20.00
S&P MidCap 400 Index	15.00
MSCI EAFE (Net) Index	2.50
MSCI Emerging Markets (Net) Index	2.50
ICE BofAML All Convertibles ex Mandatory	7.50
Mar-2018	
Bloomberg Barclays Intermediate US Govt/Credit Idx	24.75
Blmbg. Barc. U.S. Aggregate Index	0.00
Russell 1000 Value Index	20.00
Russell 1000 Growth Index	20.00
S&P MidCap 400 Index	17.00
MSCI EAFE (Net) Index	5.00
MSCI Emerging Markets (Net) Index	5.00
ICE BofAML All Convertibles ex Mandatory	0.00
S&P 500 Index	3.75
Russell 2500 Index	4.50



Total Equity Historical Hybrid Composition		Total Fixed Income Historical Hybrid Composition	
Allocation Mandate	Weight (%)	Allocation Mandate	Weight (%)
Oct-1990		Apr-1997	
S&P 500 Index	100.00	Blmbg. Barc. U.S. Gov't/Credit	100.00
Apr-2007		Jul-2003	
Russell 1000 Growth Index	44.50	Blmbg. Barc. U.S. Aggregate Index	100.00
S&P 500 Value	44.50		
S&P MidCap 400 Index	11.00	Jan-2012	
		Blmbg. Barc. U.S. Aggregate Index	87.00
Jul-2009		Bloomberg Barclays Intermediate US Govt/Credit Idx	13.00
Russell 1000 Growth Index	44.50		
Russell 1000 Value Index	22.25	Jan-2013	
S&P 500 Value	22.25	Blmbg. Barc. U.S. Aggregate Index	85.00
S&P MidCap 400 Index	11.00	Bloomberg Barclays Intermediate US Govt/Credit Idx	15.00
0-4 2000		Apr-2014	
Oct-2009	44.50	Bloomberg Barclays Intermediate US Govt/Credit Idx	43.00
Russell 1000 Value Index	44.50	Blmbg. Barc. U.S. Aggregate Index	38.00
Russell 1000 Growth Index	44.50	ICE BofAML All Convertibles ex Mandatory	19.00
S&P MidCap 400 Index	11.00	TOE BOTAVIL AII CONVCTUDIES ON INIAINATORY	13.00
Jul-2011		Oct-2016	
Russell 1000 Value Index	40.00	Bloomberg Barclays Intermediate US Govt/Credit Idx	55.00
Russell 1000 Growth Index	40.00	Blmbg. Barc. U.S. Aggregate Index	45.00
S&P MidCap 400 Index	11.00		
MSCI EAFE (Net) Index	4.50	Mar-2018	400.00
MSCI Emerging Markets (Net) Index	4.50	Bloomberg Barclays Intermediate US Govt/Credit Idx	100.00
		Blmbg. Barc. U.S. Aggregate Index	0.00
Jan-2013			
Russell 1000 Value Index	33.30		
Russell 1000 Growth Index	33.30		
S&P MidCap 400 Index	25.00		
MSCI EAFE (Net) Index	4.20		
MSCI Emerging Markets (Net) Index	4.20		
Russell 2500 Index	0.00		
S&P 500 Index	0.00		
Mar-2018			
Russell 1000 Value Index	26.50		
Russell 1000 Growth Index	26.50		
S&P MidCap 400 Index	23.00		
MSCI EAFE (Net) Index	6.50		
MSCI Emerging Markets (Net) Index	6.50		
Russell 2500 Index	6.00		
S&P 500 Index	5.00		



Δ	cti	ve	R	۵tı	ırn

- 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.



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

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

This performance report is based on data obtained by the client's custodian(s), investment fund administrator, or other sources believed to be reliable. While these sources are believed to be reliable, the data providers are responsible for the accuracy and completeness of their statements. Clients are encouraged to compare the records of their custodian(s) to ensure this report fairly and accurately reflects their various asset positions.

The strategies listed may not be suitable for all investors. We believe the information provided here is reliable, but do not warrant its accuracy or completeness. Past performance is not an indication of future performance. Any information contained in this report is for informational purposes only and should not be construed to be an offer to buy or sell any securities, investment consulting, or investment management services.

Additional information included in this document may contain data provided by from index databases, public economic sources and the managers themselves.

This document may contain data provided by Bloomberg Barclays. Bloomberg Barclays Index data provided by way of Barclays Live.

This document may contain data provided by Standard and Poor's. Nothing contained within any document, advertisement or presentation from S&P Indices constitutes an offer of services in jurisdictions where S&P Indices does not have the necessary licenses. All information provided by S&P Indices is impersonal and is not tailored to the needs of any person, entity or group of persons. Any returns or performance provided within any document is provided for illustrative purposes only and does not demonstrate actual performance. Past performance is not a guarantee of future investment results.

This document may contain data provided by MSCI, Inc. Copyright MSCI, 2017. Unpublished. All Rights Reserved. This information may only be used for your internal use, may not be reproduced or redisseminated in any form and may not be used to create any financial instruments or products or any indices. This information is provided on an "as is" basis and the user of this information assumes the entire risk of any use it may make or permit to be made of this information. Neither MSCI, any of its affiliates or any other person involved in or related to compiling, computing or creating this information makes any express or implied warranties or representations with respect to such information or the results to be obtained by the use thereof, and MSCI, its affiliates and each such other person hereby expressly disclaim all warranties (including, without limitation, all warranties of originality, accuracy, completeness, timeliness, non-infringement, merchantability and fitness for a particular purpose) with respect to this information. Without limiting any of the foregoing, in no event shall MSCI, any of its affiliates or any other person involved in or related to compiling, computing or creating this information have any liability for any direct, indirect, special, incidental, punitive, consequential or any other damages (including, without limitation, lost profits) even if notified of, or if it might otherwise have anticipated, the possibility of such damages.

This document may contain data provided by Russell Investment Group. Russell Investment Group is the source owner of the data contained or reflected in this material and all trademarks and copyrights related thereto. The material may contain confidential information and unauthorized use, disclosure, copying, dissemination or redistribution is strictly prohibited. This is a user presentation of the data. Russell Investment Group is not responsible for the formatting or configuration of this material or for any inaccuracy in presentation thereof.

This document may contain data provided by Morningstar. All rights reserved. Use of this content requires expert knowledge. It is to be used by specialist institutions only. The information contained herein: (1) is proprietary to Morningstar and/or its content providers; (2) may not be copied, adapted or distributed; and (3) is not warranted to be accurate, complete or timely. Neither Morningstar nor its content providers are responsible for any damages or losses arising from any use of this information, except where such damages or losses cannot be limited or excluded by law in your jurisdiction. Past financial performance is not quarantee of future results.



**Putting clients first.** 



CHICAGO | CLEVELAND | DALLAS | DETROIT | ORLANDO | PITTSBURGH | RENO