# Jupiter Police Officers' Retirement Fund

Investment Performance Period Ending December 31, 2018



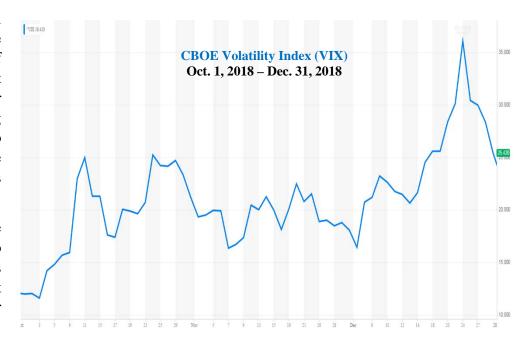
### Jupiter Police Officers' Retirement Fund BCA Market Perspective © 2018: The Year the Vix Struck Quick

Larry Cole Executive Vice-President January 2019

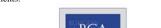
Through the first three quarters of 2018 markets saw stocks trend higher with optimism surrounding the large corporate tax cuts from 35% to 21% - immediately boosting earnings expectations. However, political clamoring in Washington, rising interest rates, a trade war with China, tariffs, and signs of a global economic slowdown took its toll in the final quarter of the year. The -13.5% decline among stocks in the final three months of the year was associated with a steep increase in the CBOE Volatility Index (VIX). The move erased the year's gains with the S&P 500 posting the first negative annual return (-4.4%) since the financial crisis in 2008.

Volatility was fully evident in the Dow Jones Industrial Average as the index experienced swings of +/- 9% nine times in just the month of December, totaling 64 moves of that magnitude for the year. For perspective, 2017 saw just eight such moves. A significant portion of these major market swings occurred late in the trading day, suggesting that algorithmic (or "programmed") trading contributed to the volatility. While the ferocity of price swings during the fourth quarter was high, the duration of the correction was short.

Many of the concerns we ended 2018 with remain as we usher in a new year. Yet there are still positive factors to hold on to. The U.S. economy remains strong and valuations for many stocks are reasonable, interest rates remain at historically low levels, and the Fed is expected to slow or even pause rate hikes for the foreseeable future.

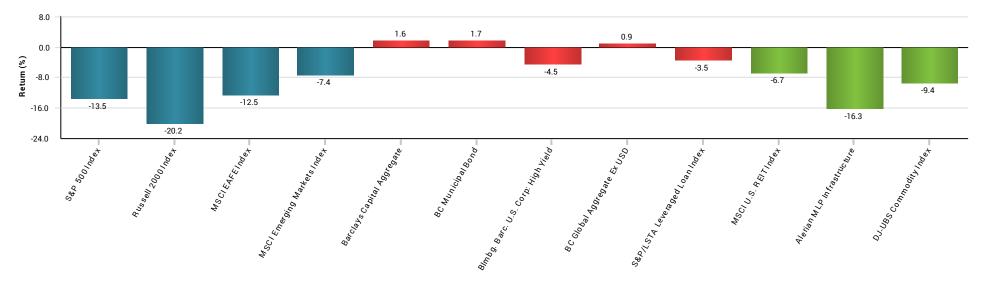


We are reminded in these volatile times that investing is a marathon, not a sprint. Markets are cyclical, with moves up followed by reversals back down. We have been fortunate to see a predominantly bull market for over 9 ½ years. While no one looks forward to down markets, a market correction was overdue and based on where equity fundamentals remain, it looks to be a short-term setback. Long-term investors have historically been served well by "staying the course" and focusing on meeting long term objectives.



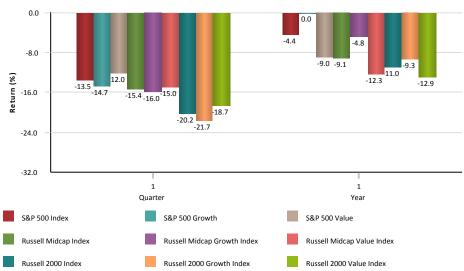
Quarterly Market Summary December 31, 2018

#### 1 Quarter Performance

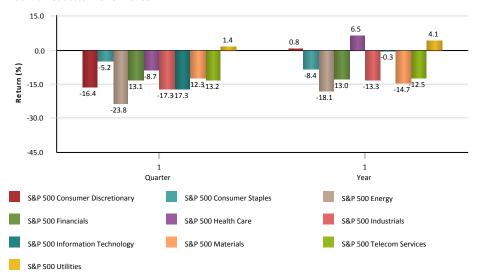


Source: Investment Metrics, LLC

### **US Market Indices Performance**



#### **US Market Sector Performance**



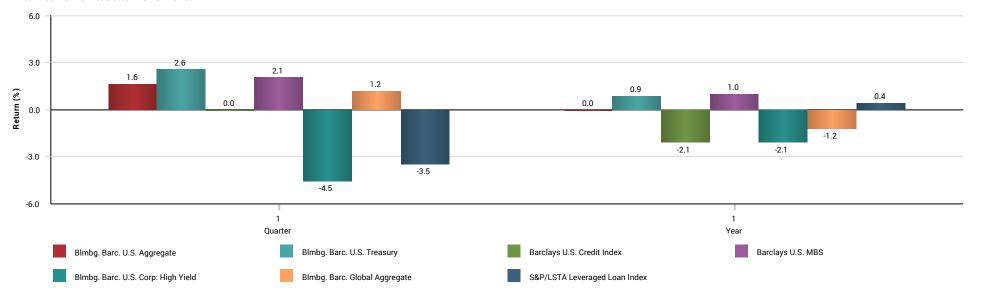
Source: Investment Metrics, LLC

Source: Investment Metrics, LLC

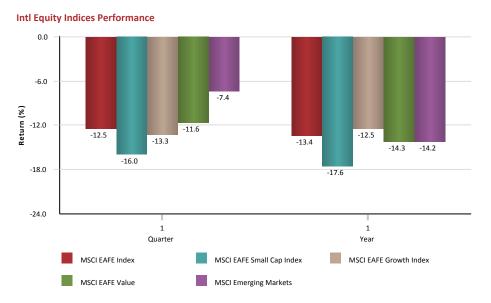


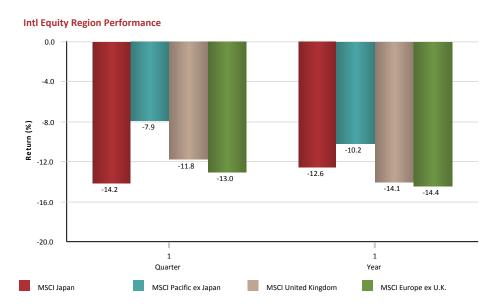
Quarterly Market Summary December 31, 2018

#### **Fixed Income Market Sector Performance**



Source: Investment Metrics, LLC





Source: Investment Metrics, LLC

Source: Investment Metrics, LLC

Copyright © 2017 II



### Jupiter Police Officers' Retirement Fund Total Fund Investment Summary December 31, 2018

The Fund had market-based loss of \$5.6 million or -7.5% gross (-7.6% net) for the quarter, similar to the model portfolio (-7.4%) – ranking in the top 21st percentile. The top three performers were: American Core Realty (+1.9%), C.S.McKee Fixed Income (+1.5%, top 44th) and Cohen & Steers Infrastructure mutual fund (-3.8%, top 13th). The state contribution of \$743,715 that was received on October 24, 2018 remained in the cash account during the market correction.
For the one-year, the total Fund lost \$2.7 million or -3.6% gross (-4.0% net) – similar to the model portfolio (-4.3%) and ranked in the top 29th percentile. The top three performing asset categories were: American Core Realty (+8.7%), Polen Large Cap Growth (+2.6%, top 20th) and C.S.McKee Fixed Income (+0.5%, top 20th).
For the two-year period, the total Fund had earned \$5.7 million or +4.7% gross (+4.2% net) per year – ahead of the model portfolio (+3.5%) and behind of the actuarial assumed rate of return (7.5%).
For the five-year period, the Fund earned \$13.1 million, averaging +4.7% gross (+4.2% net).
The Russell products were sold on December 24, 2018 and the proceeds were used to purchase Fidelity funds. This was carried out to lower fees.

### Jupiter Police Officers' Retirement Fund Total Fund Investment Summary (continued) December 31, 2018

### **Program and Manager Comments**

- 1) Eagle's equity program ranked in the top 13th and 9th percentiles, respectively, for the three and five-year periods.
- 2) The EuroPacific international equity product beat its benchmark for the three-year period and ranked in the top 44th percentile.
- 3) The REIT index product ranked in the 56th and 28th percentiles, for the three and five-year periods, respectively.
- 4) The Private Real Estate product continues to be an excellent bond substitute, adding significant returns over the past three years averaging +8.0 per year vs. +2.2% for fixed income.



### Jupiter Police Officers' Retirement Fund Total Fund Investment Policy Review December 31, 2018

The total Fund's one-year performance (gross) achieved the 7.5% actuarial assumption rate.  The total Fund's annualized two-year performance (gross) achieved the 7.5% actuarial assumption rate.  The total Fund's annualized two-year performance (gross) achieved the model portfolio.  The total Fund's annualized three-year performance (gross) achieved the 7.5% actuarial assumption rate.  The total Fund's annualized three-year performance (gross) achieved the model portfolio.  The annualized three-year total Fund performance ranked in the top 40th percentile.  The total Fund's annualized five-year performance (gross) achieved the 7.5% actuarial assumption rate.	<u>Yes</u>	No  No  No  No  No  No  No  No  No  No
The total Fund's annualized five-year performance (gross) achieved the return of the model portfolio. The annualized five-year total Fund performance ranked in the top 40th percentile.		
The annualized three-year Eagle Capital large cap value performance achieved the Russell 1000 Growth. The annualized three-year Eagle Capital large cap value performance ranked in the top 40th percentile. The annualized five-year Eagle Capital large cap value performance achieved the Russell 1000 Growth. The annualized five-year Eagle Capital large cap value performance ranked in the top 40th percentile.		
The annualized three-year Advent convertible performance achieved the ML Conv x144A All Quality Index. The annualized three-year Advent convertible performance ranked in the top 40th percentile. (Actual: 45th) The annualized five-year Advent convertible performance achieved the ML Conv x144A All Quality Index. The annualized five-year Advent convertible performance ranked in the top 40th percentile.		
The annualized three-year Euro-Pacific international performance achieved the MSCI EAFE index.  The annualized three-year Euro-Pacific international performance ranked in the top 40th percentile. (Actual: 44th)		
The American Realty Private RE three-year performance achieved the NCREIF ODCE.  The American Realty Private RE five-year performance achieved the NCREIF ODCE.		$\boxtimes$
The annualized three-year C.S. McKee fixed income performance achieved the fixed income benchmark. The annualized three-year C.S. McKee fixed income performance ranked in the top 40th percentile. The annualized five-year C.S. McKee fixed income performance achieved the fixed income benchmark. The annualized five-year C.S. McKee fixed income performance ranked in the top 40th percentile.		

### Jupiter Police Officers' Retirement Fund Total Fund Investment Policy Review (continued) December 31, 2018

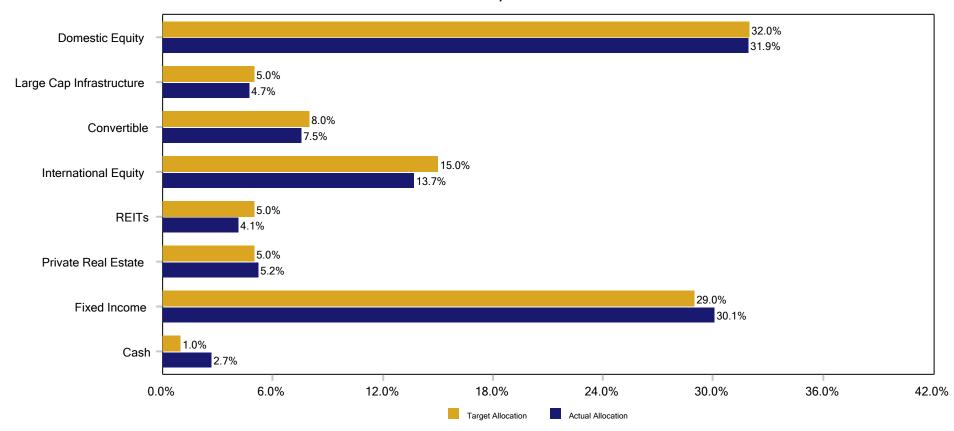
	<b>Yes</b>	<u>No</u>
Total equity securities (including the REIT and convertibles), were within the 70% at market limitation.	$\boxtimes$	
No more than 25% of the total Fund's assets at market were invested in foreign securities.	$\boxtimes$	
The fixed income portfolio was invested in 5% or less in securities of any single corporate issuer.	$\boxtimes$	
The Fund's assets were invested in 5% or less of the common stock or capital of any one issuing company.	$\boxtimes$	
PFIA compliant.	$\boxtimes$	

### Jupiter Police Officers' Retirement Fund Investment Performance - Net December 31, 2018

	<u>Quarter</u>	One Year	Two Years	Three Years	Five Years
Beginning Market Value	74,690,694	72,053,935	63,242,855	58,059,579	52,996,896
Contributions	676,694	391,963	751,765	2,042,581	3,612,658
Gain/Loss	-5,633,524	-2,712,035	5,739,244	9,631,705	13,124,309
Ending Market Value	69,733,864	69,733,864	69,733,864	69,733,864	69,733,864
Total Fund (%)	-7.6	-4.0	4.2	4.9	4.2
Model Portfolio (%)	-7.4	-4.3	3.5	5.1	4.4



### Jupiter Police Officers' Retirement Fund Actual vs. Target Asset Allocation December 31, 2018

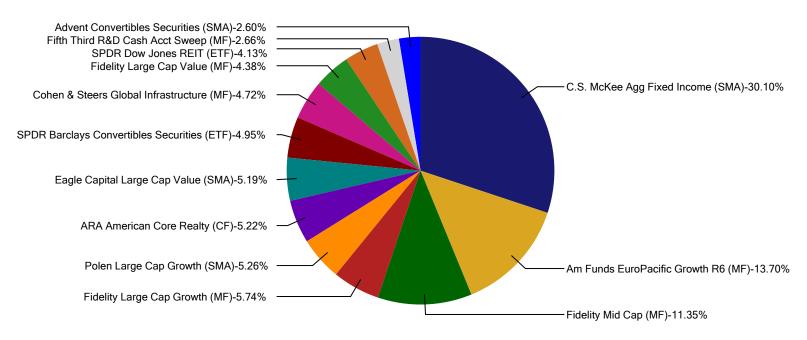


	Market Value Actual \$	Percent Actual	Percent Target	Percent Difference
Total Fund	69,733,864	100.0	100.0	0.0
Domestic Equity	22,261,233	31.9	32.0	-0.1
Large Cap Infrastructure	3,294,888	4.7	5.0	-0.3
Convertible	5,258,730	7.5	8.0	-0.5
International Equity	9,550,341	13.7	15.0	-1.3
REITs	2,880,828	4.1	5.0	-0.9
Private Real Estate	3,639,867	5.2	5.0	0.2
Fixed Income	20,990,487	30.1	29.0	1.1
Cash	1,857,491	2.7	1.0	1.7



### Jupiter Police Officers' Retirement Fund Asset Allocation

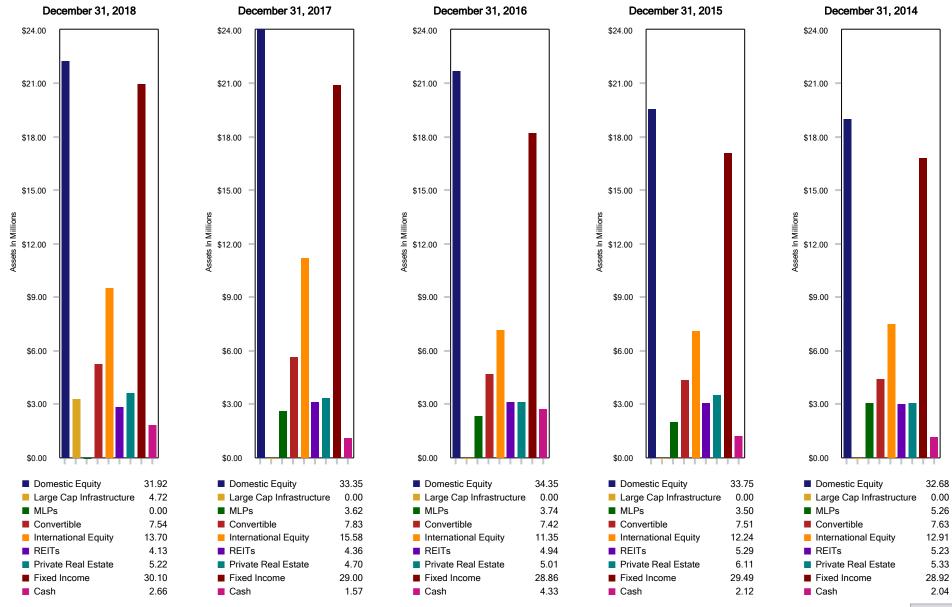
December 31, 2018: 69,733,864



	Market Value \$	Allocation (%)
■ C.S. McKee Agg Fixed Income (SMA)	20,990,487	30.10
Am Funds EuroPacific Growth R6 (MF)	9,550,341	13.70
■ Fidelity Mid Cap (MF)	7,917,750	11.35
■ Fidelity Large Cap Growth (MF)	4,000,791	5.74
Polen Large Cap Growth (SMA)	3,668,877	5.26
ARA American Core Realty (CF)	3,639,867	5.22
Eagle Capital Large Cap Value (SMA)	3,621,905	5.19
■ SPDR Barclays Convertibles Securities (ETF)	3,448,423	4.95
■ Cohen & Steers Global Infrastructure (MF)	3,294,888	4.72
■ Fidelity Large Cap Value (MF)	3,051,910	4.38
SPDR Dow Jones REIT (ETF)	2,880,828	4.13
■ Fifth Third R&D Cash Acct Sweep (MF)	1,857,491	2.66
Advent Convertibles Securities (SMA)	1,810,307	2.60



### Jupiter Police Officers' Retirement Fund Historical Asset Allocation December 31, 2018





# Jupiter Police Officers' Retirement Fund Asset Allocation & Performance - Gross December 31, 2018

	Market Value	QTD ROR - Rank	1 Year ROR - Rank	2 Year ROR - Rank	3 Year ROR - Rank	5 Year ROR - Rank
Total Fund  Model Portfolio	69,733,864	-7.5 (21) -7.4	<b>-3.6 (29)</b> -4.3	<b>4.7 (57)</b> 3.5	<b>5.4 (62)</b> 5.1	4.7 (47) 4.4
Equity	43,246,020	-11.9	-6.2	5.9	6.9	5.3
Domestic Equity	22,261,233	-13.7	-4.1	7.9	9.1	8.4
Eagle Capital Large Cap Value (SMA)	3,621,905	-13.3 (48)	-4.2 (16)	8.8 (7)	9.4 (13)	8.8 (9)
Fidelity Large Cap Value (MF) Russell 1000 Value Index	3,051,910	<b>N/A</b> -11.7	<b>N/A</b> -8.3	<b>N/A</b> 2.1	<b>N/A</b> 7.0	<b>N/A</b> 5.9
Polen Large Cap Growth (SMA) Russell 1000 Growth Index	3,668,877	<b>-12.5 (22)</b> -15.9	<b>2.6 (20)</b> -1.5	<b>N/A</b> 13.2	<b>N/A</b> 11.1	<b>N/A</b> 10.4
Fidelity Large Cap Growth (MF) Russell 1000 Growth Index	4,000,791	<b>N/A</b> -15.9	<b>N/A</b> -1.5	<b>N/A</b> 13.2	<b>N/A</b> 11.1	<b>N/A</b> 10.4
Fidelity Mid Cap (MF) S&P MidCap 400 Index	7,917,750	<b>N/A</b> -17.3	<b>N/A</b> -11.1	<b>N/A</b> 1.7	<b>N/A</b> 7.7	<b>N/A</b> 6.0
Large Cap Infrastructure	3,294,888	-3.5	N/A	N/A	N/A	N/A
Cohen & Steers Global Infrastructure (MF) FTSE Global Core Infrastructure 50/50 Index	3,294,888	<b>-3.8</b> -2.4	<b>N/A</b> -3.2	<b>N/A</b> 7.5	<b>N/A</b> 8.9	<b>N/A</b> 6.6
Convertible	5,258,730	-9.7	-3.3	4.9	5.8	4.4
Advent Convertibles Securities (SMA)  ML All Convertibles Excl. 144A All Qualities Index	1,810,307	<b>-10.3 (82)</b> -9.5	<b>-4.8 (100)</b> -1.4	<b>3.7 (81)</b> 5.9	<b>5.0 (78)</b> 7.6	<b>3.9 (83)</b> 5.7
SPDR Barclays Convertibles Securities (ETF) Blmbg. Barc. U.S. Convertibles: 500MM	3,448,423	<b>-9.4</b> -9.3	<b>-1.6</b> -1.8	<b>N/A</b> 7.3	<b>N/A</b> 8.3	<b>N/A</b> 6.5
International Equity	9,550,341	-12.5	-14.5	6.1	4.6	0.7
Am Funds EuroPacific Growth R6 (MF) MSCI EAFE Index	9,550,341	<b>-12.5</b> -12.5	<b>-14.5</b> -13.4	<b>6.2</b> 4.3	<b>4.6</b> 3.4	<b>N/A</b> 1.0



# Jupiter Police Officers' Retirement Fund Asset Allocation & Performance - Gross December 31, 2018

	Market Value	QTD ROR - Rank	1 Year ROR - Rank	2 Year ROR - Rank	3 Year ROR - Rank	5 Year ROR - Rank
REITs	2,880,828	-6.6	-4.2	-0.3	1.9	7.9
SPDR Dow Jones REIT (ETF) Wilshire U.S. REIT Index	2,880,828	<b>-6.6</b> -6.9	<b>-4.2</b> -4.8	<b>-0.3</b> -0.4	<b>1.9</b> 2.1	<b>7.9</b> 7.9
Private Real Estate	3,639,867	1.9	8.7	8.4	8.0	10.1
ARA American Core Realty (CF)  NCREIF Fund Index-ODCE (VW)	3,639,867	<b>1.9</b> 1.8	<b>8.7</b> 8.4	<b>8.4</b> 8.0	<b>8.0</b> 8.2	<b>10.1</b> 10.4
Fixed Income	20,990,487	1.5	0.5	1.9	2.2	2.7
C.S. McKee Agg Fixed Income (SMA) Fixed Income Benchmark	20,990,487	<b>1.5 (44)</b> 1.8	<b>0.5 (20)</b> 0.9	<b>1.9 (63)</b> 1.6	<b>2.2 (68)</b> 1.7	<b>2.7 (60)</b> 2.2
Cash	1,857,491	0.6	1.5	1.0	0.7	0.4
Fifth Third R&D Cash Acct Sweep (MF)	1,857,491	0.5	1.5	1.0	0.7	0.4
Fifth Third Fund Acct Cash Sweep (MF) ICE BofAML 3 Month U.S. T-Bill	-	<b>0.0</b> 0.6	<b>0.0</b> 1.9	<b>0.0</b> 1.4	<b>0.0</b> 1.0	<b>0.0</b> 0.6



### Jupiter Police Officers' Retirement Fund Asset Allocation & Performance - Net December 31, 2018

	Market Value	QTD ROR - Rank	1 Year ROR - Rank	2 Year ROR - Rank	3 Year ROR - Rank	5 Year ROR - Rank
Total Fund	69,733,864	-7.6	-4.0	4.2	4.9	4.2
Model Portfolio		-7.4	-4.3	3.5	5.1	4.4
Equity	43,246,020	-12.0	-6.6	5.4	6.4	4.7
Domestic Equity	22,261,233	-13.7	-4.5	7.5	8.6	7.9
Eagle Capital Large Cap Value (SMA)	3,621,905	-13.6	-5.1	7.7	8.3	7.7
Fidelity Large Cap Value (MF) Russell 1000 Value Index	3,051,910	<b>N/A</b> -11.7	<b>N/A</b> -8.3	<b>N/A</b> 2.1	<b>N/A</b> 7.0	<b>N/A</b> 5.9
Polen Large Cap Growth (SMA) Russell 1000 Growth Index	3,668,877	<b>-12.7</b> -15.9	<b>1.9</b> -1.5	<b>N/A</b> 13.2	<b>N/A</b> 11.1	<b>N/A</b> 10.4
Fidelity Large Cap Growth (MF) Russell 1000 Growth Index	4,000,791	<b>N/A</b> -15.9	<b>N/A</b> -1.5	<b>N/A</b> 13.2	<b>N/A</b> 11.1	<b>N/A</b> 10.4
Fidelity Mid Cap (MF) S&P MidCap 400 Index	7,917,750	<b>N/A</b> -17.3	<b>N/A</b> -11.1	<b>N/A</b> 1.7	<b>N/A</b> 7.7	<b>N/A</b> 6.0
Large Cap Infrastructure	3,294,888	-3.5	N/A	N/A	N/A	N/A
Cohen & Steers Global Infrastructure (MF) FTSE Global Core Infrastructure 50/50 Index	3,294,888	<b>-4.0 (13)</b> -2.4	<b>N/A</b> -3.2	<b>N/A</b> 7.5	<b>N/A</b> 8.9	<b>N/A</b> 6.6
Convertible	5,258,730	-9.8	-4.0	4.1	5.0	3.5
Advent Convertibles Securities (SMA)  ML All Convertibles Excl. 144A All Qualities Index	1,810,307	<b>-10.5</b> -9.5	<b>-5.8</b> -1.4	<b>2.6</b> 5.9	<b>3.9</b> 7.6	<b>2.9</b> 5.7
SPDR Barclays Convertibles Securities (ETF) Blmbg. Barc. U.S. Convertibles: 500MM	3,448,423	<b>-9.5 (41)</b> -9.3	<b>-2.0 (51)</b> -1.8	<b>N/A</b> 7.3	<b>N/A</b> 8.3	<b>N/A</b> 6.5
International Equity	9,550,341	-12.6	-14.9	5.5	4.0	0.1
Am Funds EuroPacific Growth R6 (MF) MSCI EAFE Index	9,550,341	<b>-12.6 (55)</b> -12.5	<b>-14.9 (39)</b> -13.4	<b>5.7 (35)</b> 4.3	<b>4.1 (44)</b> 3.4	<b>N/A</b> 1.0



### Jupiter Police Officers' Retirement Fund Asset Allocation & Performance - Net December 31, 2018

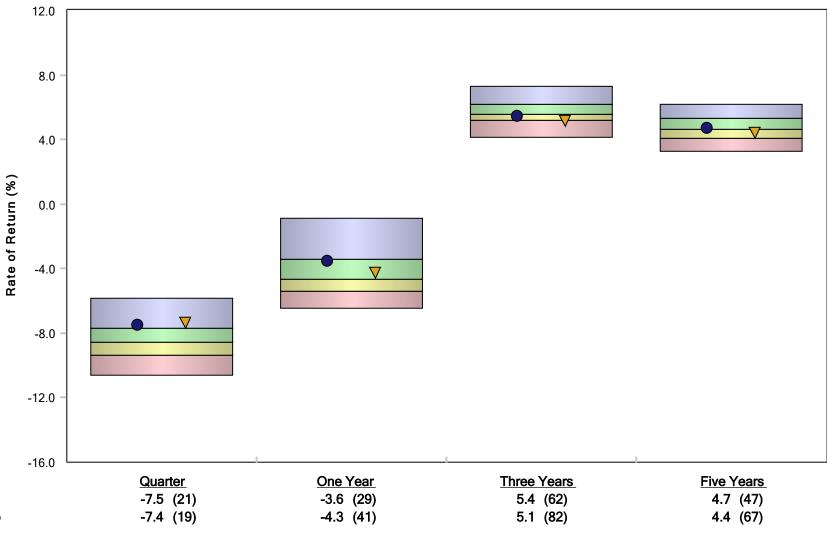
	Market Value	QTD ROR - Rank	1 Year ROR - Rank	2 Year ROR - Rank	3 Year ROR - Rank	5 Year ROR - Rank
REITs	2,880,828	-6.6	-4.5	-0.6	1.7	7.6
SPDR Dow Jones REIT (ETF) Wilshire U.S. REIT Index	2,880,828	<b>-6.6 (41)</b> -6.9	<b>-4.5 (27)</b> -4.8	<b>-0.6 (56)</b> -0.4	<b>1.7 (56)</b> 2.1	<b>7.6 (28)</b> 7.9
Private Real Estate	3,639,867	1.7	7.5	7.2	6.8	8.9
ARA American Core Realty (CF)  NCREIF Fund Index-ODCE (VW)	3,639,867	<b>1.7</b> 1.8	<b>7.5</b> 8.4	<b>7.2</b> 8.0	<b>6.8</b> 8.2	<b>8.9</b> 10.4
Fixed Income	20,990,487	1.4	0.2	1.6	1.9	2.4
C.S. McKee Agg Fixed Income (SMA) Fixed Income Benchmark	20,990,487	<b>1.4</b> 1.8	<b>0.2</b> 0.9	<b>1.6</b> 1.6	<b>1.9</b> 1.7	<b>2.4</b> 2.2
Cash	1,857,491	0.6	1.5	1.0	0.7	0.4
Fifth Third R&D Cash Acct Sweep (MF)	1,857,491	0.5	1.5	1.0	0.7	0.4
Fifth Third Fund Acct Cash Sweep (MF) ICE BofAML 3 Month U.S. T-Bill	-	<b>0.0</b> 0.6	<b>0.0</b> 1.9	<b>0.0</b> 1.4	<b>0.0</b> 1.0	<b>0.0</b> 0.6

<sup>1</sup> Model Portfolio: From 6/2018: 10% R1000 Value, 10% R1000 Growth, 8% ML Converts ex144A, 12% S&P 400 Mid cap, 15% MSCI EAFE, 5% Wilshire REIT, 5% NCREIF ODCE, 5% FTSE Global Core Infrastructure 50/50 Index, 24% BC Intermediate Agg Bond, 5% 1-10 yr TIPS, 1% TBill. Prior from 4/2014 10% R1000 Value, 10% R1000 Growth, 8% ML Converts ex144A, 12% S&P 400 Mid cap, 15% MSCI EAFE, 5% Wilshire REIT, 5% NCREIF ODCE, 5% Alerian MLP, 25% BC Int Agg Bond, 5% 1-10 yr TIPS. Prior from 4/2012 10% R1000 Value, 10% R1000 Growth, 8% ML Converts ex144A, 12% S&P 400 Mid cap, 15% MSCI EAFE, 5% Wilshire REIT, 5% NCREIF ODCE, 30% BC Agg Bond, 5% 1-10 yr TIPS; From 1/2010 14% R1000 Value, 14% R1000 Growth, 12% S&P 400 Mid cap, 15% MSCI EAFE, 5% Wilshire REIT, 35% BC Agg Bond, 5% 1-10 yr TIPS; From 5/07 45% R3000, 10% EAFE, 10% Wilshire REIT, 35% LBAG; from 4/04 50% R3000, 10% EAFE, 10% Wilshire REIT, 30% LB Int Ag; from 4/03 45% R3000, 10% EAFE, 10% Wilshire REIT, 35% LB Int Ag; from 1/03 60% S&P 500,40% ML Dom Bd; and from 6/02 50% S&P 500,50% ML Dom Bd.



<sup>2</sup> Fixed Income Bnch: From 2/2014 100% BC Intermediate Aggregate; prior from 4/2012 100% BC Agg. Bond; From 5/07 100% LBAG; from 4/03 100% LB Int Agg; from 6/02 100% ML Dom Bd.

### Jupiter Police Officers' Retirement Fund Peer Universe Quartile Ranking December 31, 2018

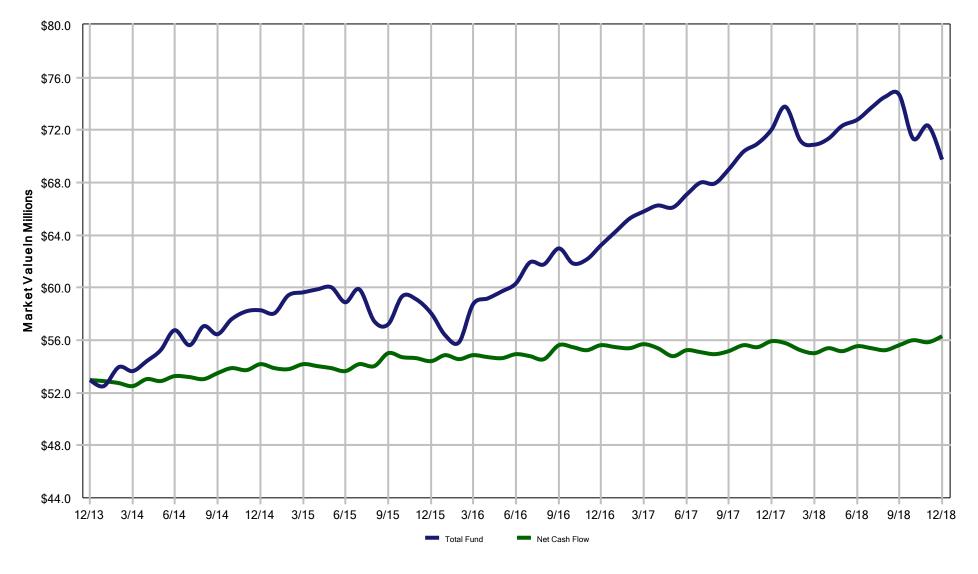


	<u>Quarter</u>	One Year	Three Years	Five Years	
<ul><li>Total Fund</li></ul>	-7.5 (21)	-3.6 (29)	5.4 (62)	4.7 (47) 4.4 (67)	
▼ Model Portfolio	-7.4 (19)	-4.3 (41)	5.1 (82)		
5th Percentile	-5.8	-0.9	7.3	6.2	
1st Quartile	-7.7	-3.4	6.2	5.3	
Median	-8.6	-4.7	5.6	4.7	
3rd Quartile	-9.4	-5.4	5.2	4.1	
95th Percentile	-10.6	-6.5	4.1	3.3	

Parentheses contain percentile rankings.



### Jupiter Police Officers' Retirement Fund Growth of Investments January 1, 2014 Through December 31, 2018





Beginning MV

\$52,996,896

**Annualized ROR** 

# Jupiter Police Officers' Retirement Fund Capital Market Line Period Ending December 31, 2018

Period Ending December 31, 2018 5 Years Risk/Reward **5 Years Statistics** Standard 20 Total Fund Return Beta Alpha Deviation 18 Total Fund 4.70 5.74 0.98 0.40 Model Portfolio 15 Model Portfolio 4.36 5.75 1.00 0.00 Russell 1000 Index Russell 1000 Index 8.21 9.63 1.57 1.48 12 Russell Midcap Index Russell Midcap Index 6.26 10.13 1.70 -0.90 Russell 2000 Index Russell 2000 Index 4.41 2.11 14.17 -3.946 ML All Conv Ex.144A AQ Index ML All Conv Ex.144A AQ Index 7.42 5.73 1.18 0.63 3 MSCI EAFE Index MSCI EAFE Index 1.00 10.69 1.59 -5.39 Blmbg. Barc. U.S. Aggregate Index 12 16 18 Blmbg. Barc. U.S. Aggregate Index 2.52 2.89 0.04 2.39 Risk (Standard Deviation %) 3 Years Risk/Reward 3 Years Statistics Standard 20 Return Beta Alpha Total Fund Deviation 18 Total Fund 5.41 5.93 1.00 0.30 15 Model Portfolio 5.09 5.83 1.00 0.00 Russell 1000 Index Russell 1000 Index 9.09 10.66 1.76 0.29 12 Russell Midcap Index Russell Midcap Index 7.04 10.89 1.82 -1.90 Russell 2000 Index Russell 2000 Index 7.36 14.84 2.25 -3.22 ML All Conv Ex.144A AQ Index ML All Conv Ex.144A AQ Index 7.61 7.72 1.20 1.52 3 MSCI EAFE Index MSCI EAFE Index 3.38 10.73 1.58 -4.16



2.19

18

16

10

Risk (Standard Deviation %)

Blmbg. Barc. U.S. Aggregate Index

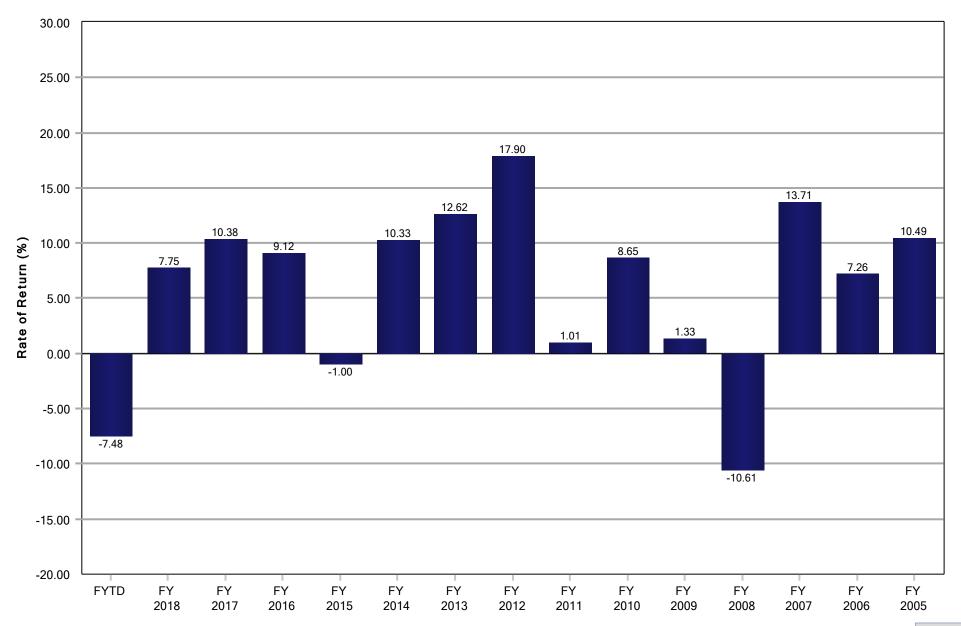
Blmbg. Barc. U.S. Aggregate Index

2.06

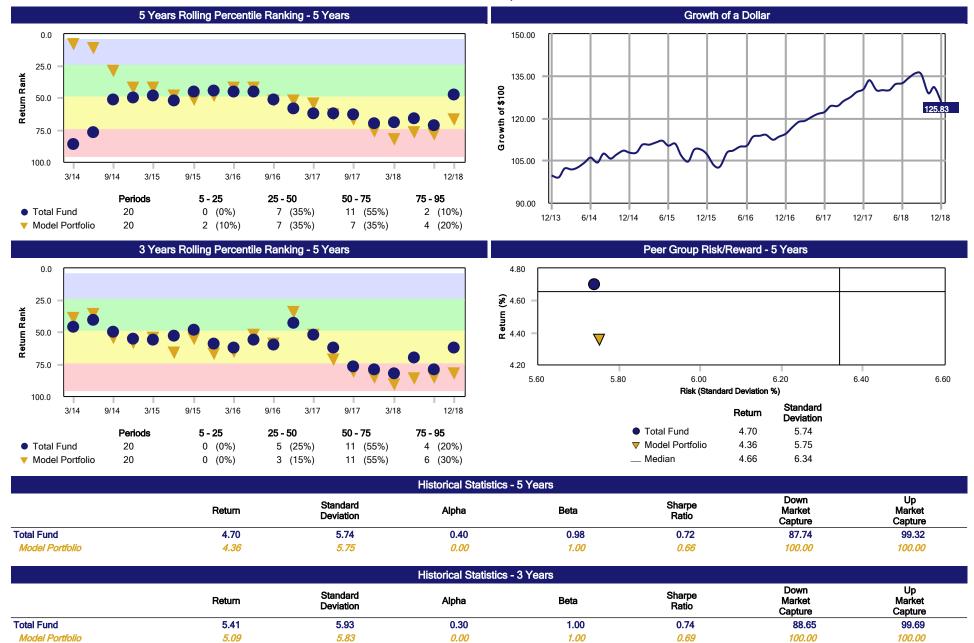
3.07

-0.02

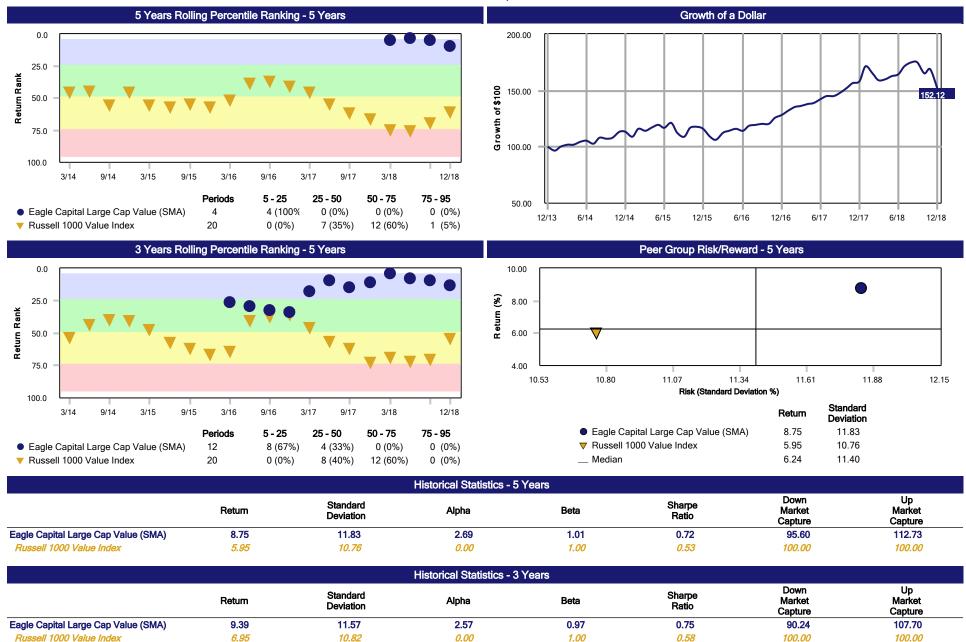
### Jupiter Police Officers' Retirement Fund Fiscal Year Rates of Return December 31, 2018



### Jupiter Police Officers' Retirement Fund Total Fund December 31, 2018

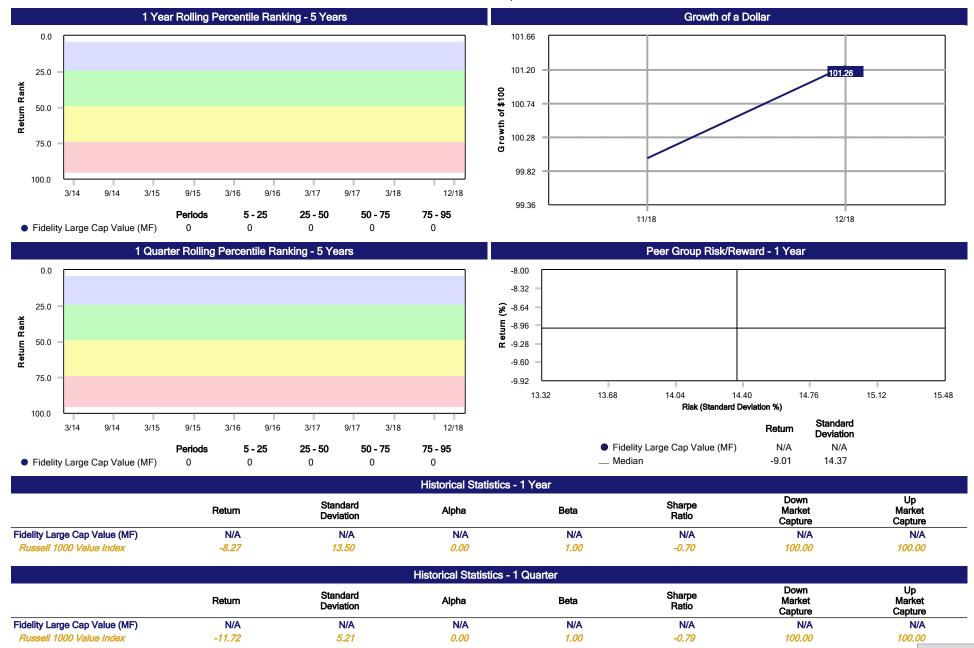


### Jupiter Police Officers' Retirement Fund Eagle Capital Large Cap Value (SMA) December 31, 2018

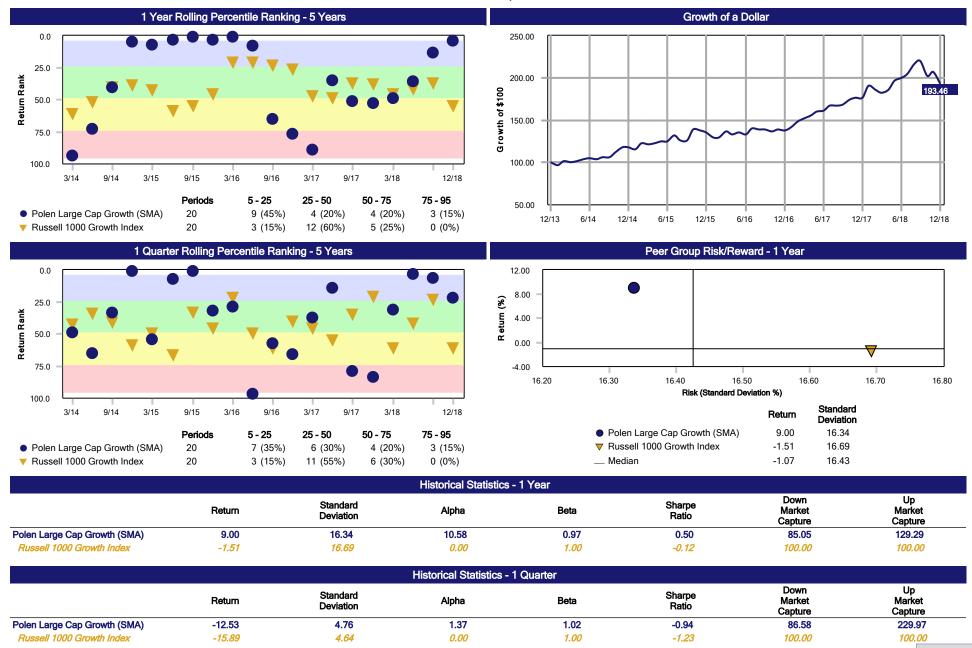




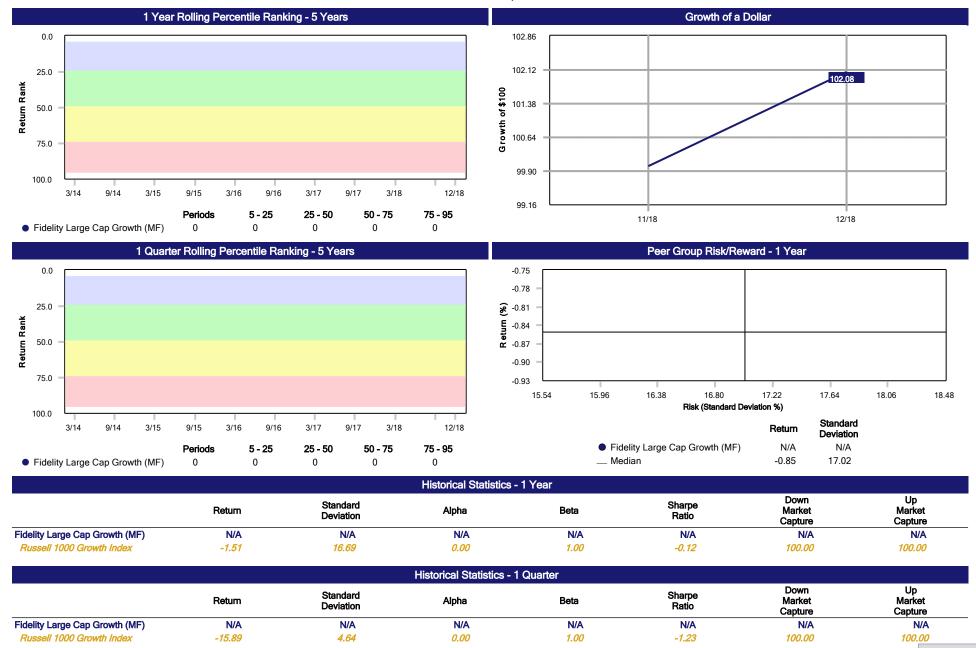
### Jupiter Police Officers' Retirement Fund Fidelity Large Cap Value (MF) December 31, 2018



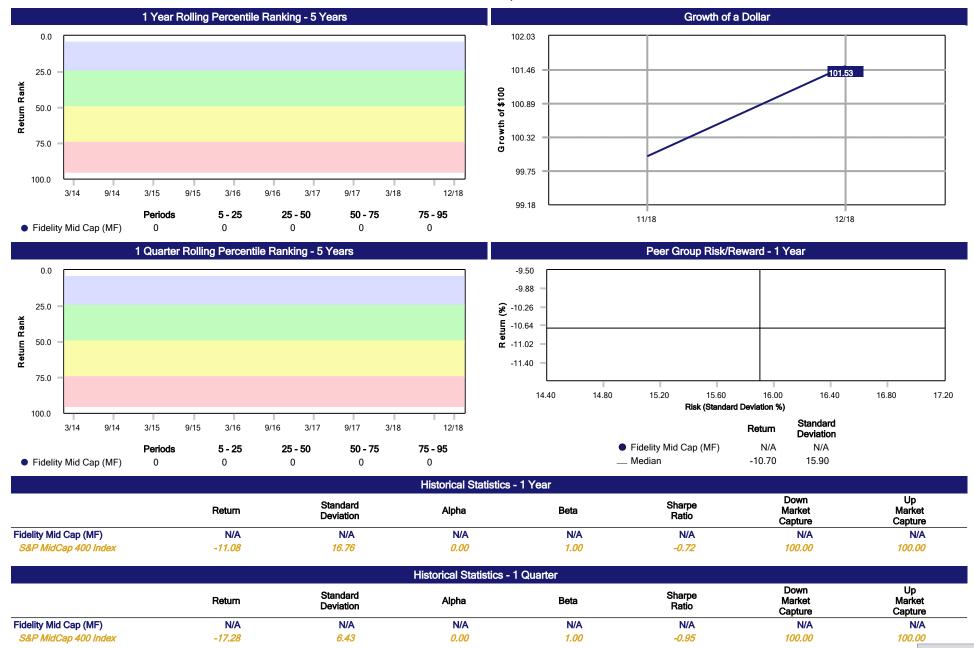
### Jupiter Police Officers' Retirement Fund Polen Large Cap Growth (SMA) December 31, 2018



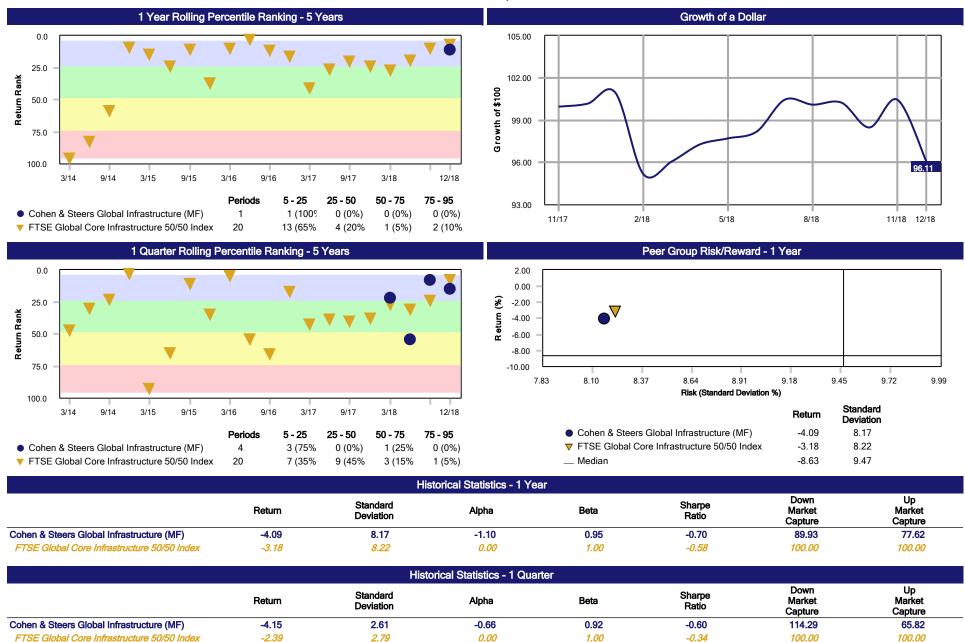
### Jupiter Police Officers' Retirement Fund Fidelity Large Cap Growth (MF) December 31, 2018



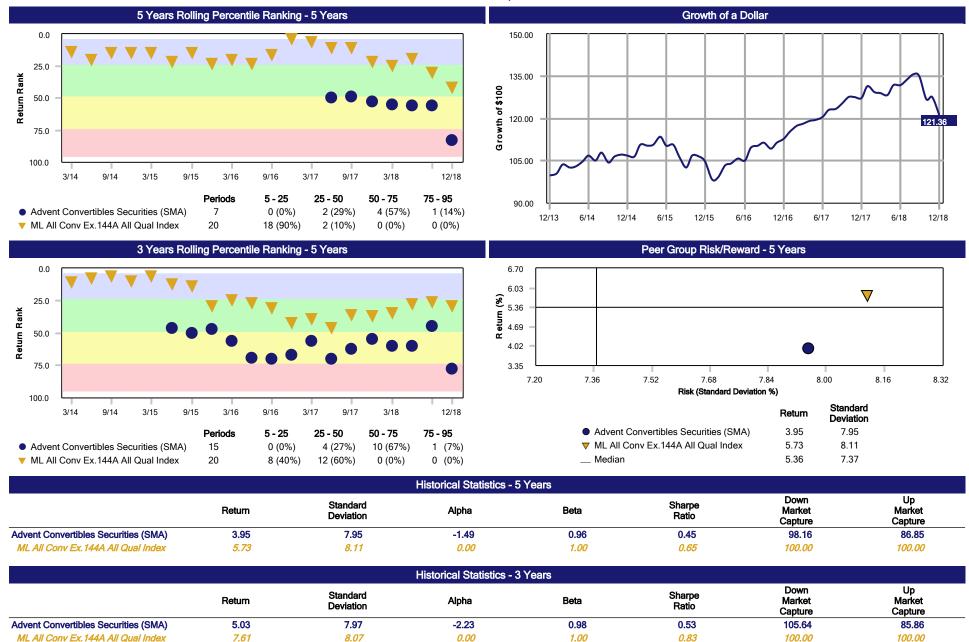
### Jupiter Police Officers' Retirement Fund Fidelity Mid Cap (MF) December 31, 2018



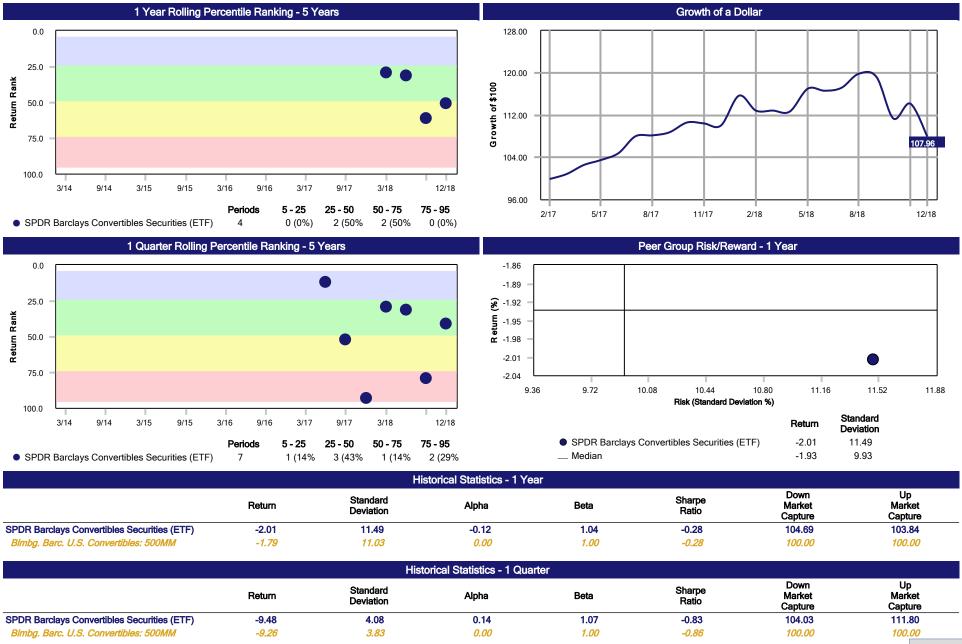
### Jupiter Police Officers' Retirement Fund Cohen & Steers Global Infrastructure (MF) December 31, 2018



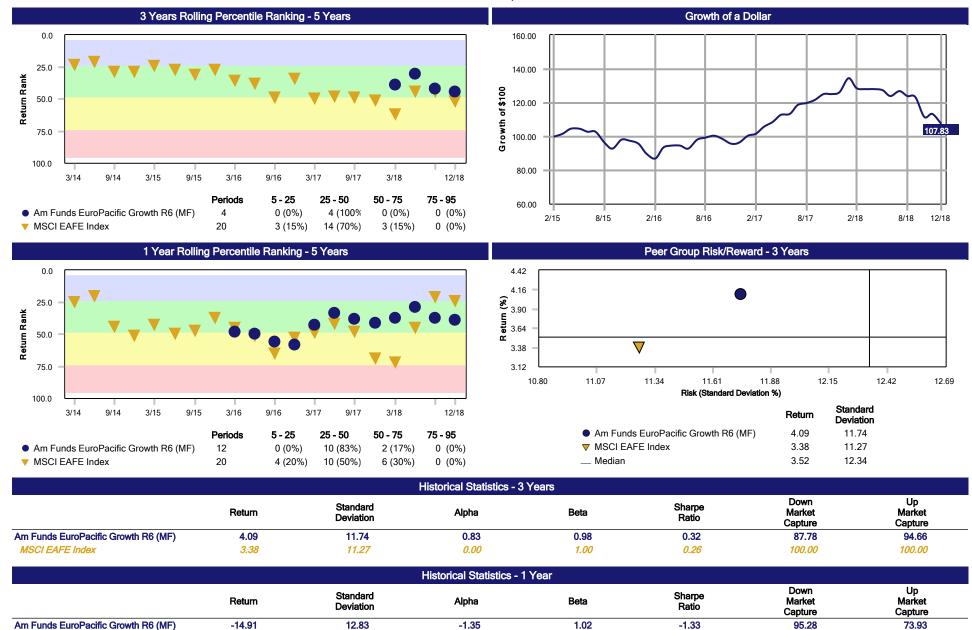
### Jupiter Police Officers' Retirement Fund Advent Convertibles Securities (SMA) December 31, 2018



### Jupiter Police Officers' Retirement Fund SPDR Barclays Convertibles Securities (ETF) December 31, 2018



### Jupiter Police Officers' Retirement Fund Am Funds EuroPacific Growth R6 (MF) December 31, 2018



100.00

1.00

-1.29

100.00

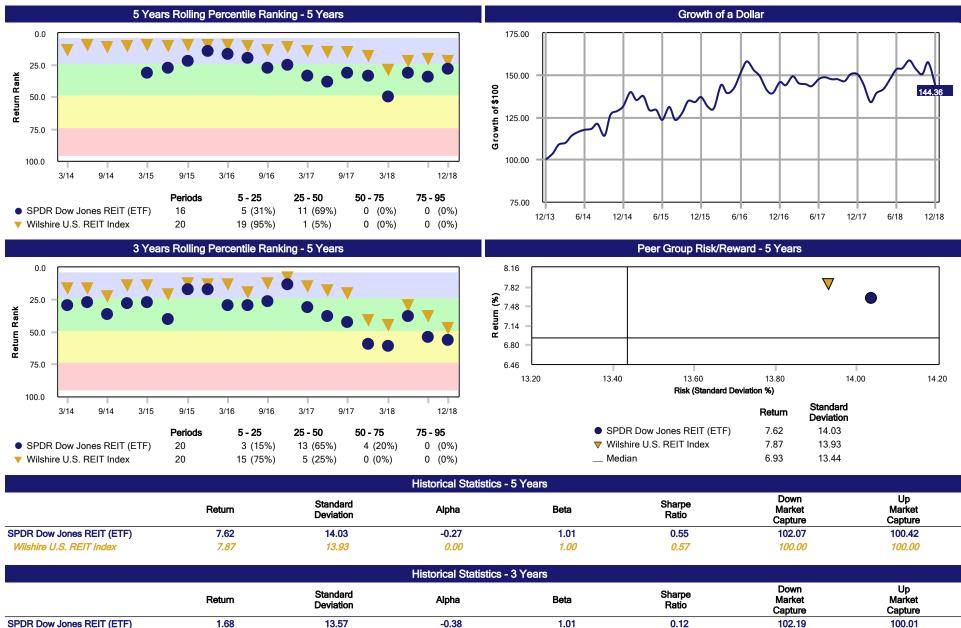
0.00

MSCI EAFE Index

-13.36

11.91

### Jupiter Police Officers' Retirement Fund SPDR Dow Jones REIT (ETF) December 31, 2018





100.00

1.00

0.15

100.00

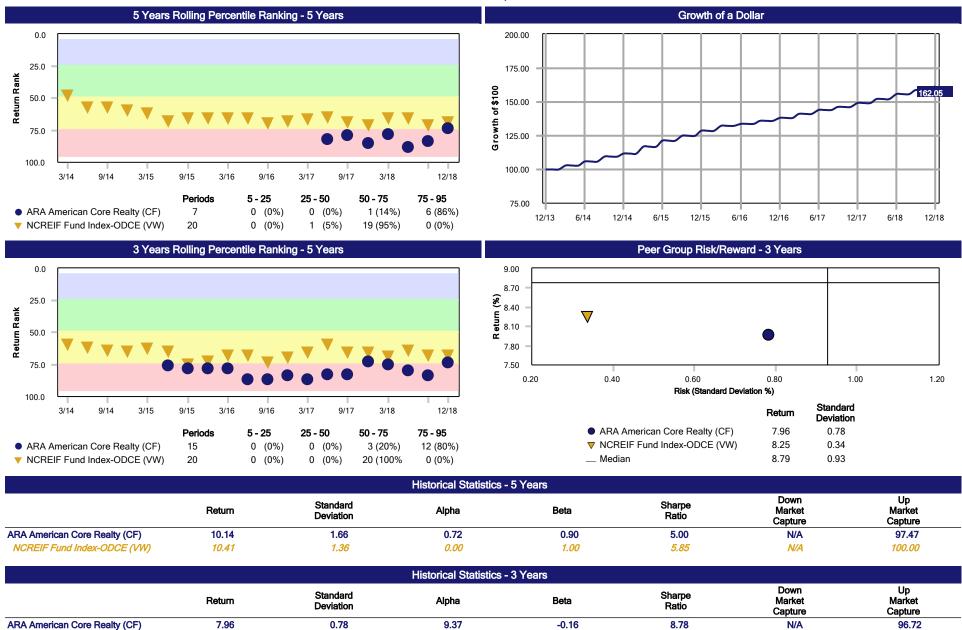
0.00

Wilshire U.S. REIT Index

2.06

13.48

### Jupiter Police Officers' Retirement Fund ARA American Core Realty (CF) December 31, 2018





100.00

1.00

13.18

N/A

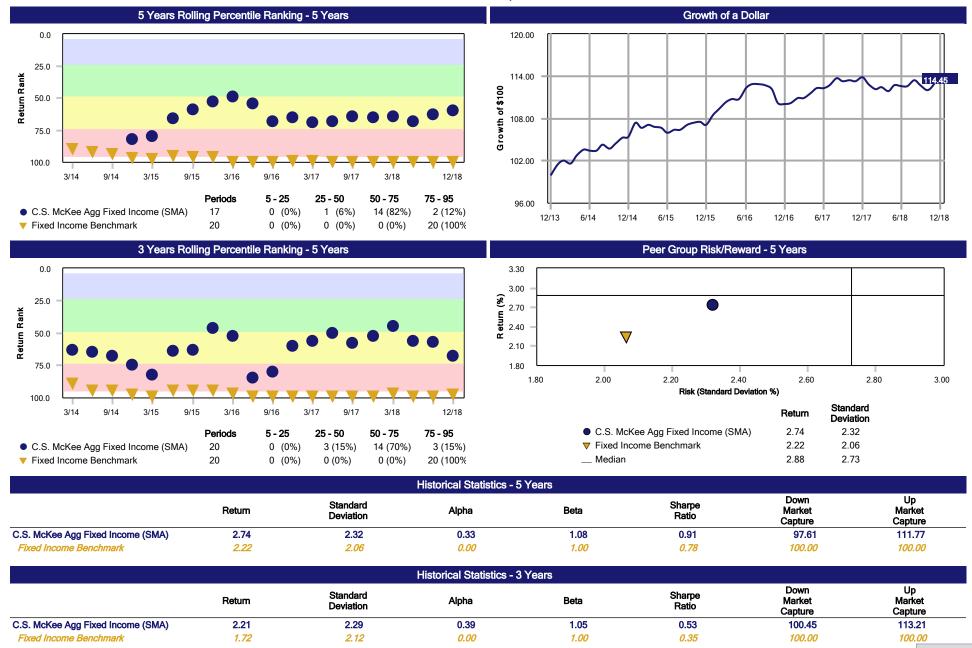
0.00

0.34

NCREIF Fund Index-ODCE (VW)

8.25

# Jupiter Police Officers' Retirement Fund C.S. McKee Agg Fixed Income (SMA) December 31, 2018





### Jupiter Police Officers' Retirement Fund Glossary December 31, 2018

- -ACCRUED INTEREST- Bond interest earned since the last interest payment, but not yet received.
- -ALPHA- A linear regressive constant that measures expected return independent of Beta.
- -ASSET ALLOCATION- The division of portfolio asset classes in order to achieve an expected investment objective.
- -BALANCED UNIVERSES Public Funds, Endowments & Foundations, Corporate peer groups, and PSN peer groups.
- -BETA- A measure of portfolio sensitivity (volatility) in relation to the market, based upon past experience.
- -BOND DURATION- A measure of portfolio sensitivity to interest rate risk.
- -COMMINGLED FUND- An investment fund which is similar to a mutual fund in that investors are permitted to purchase and redeem units that represent ownership in a pool of securities.
- -CONVERTIBLE BONDS Hybrid securities' that offer equity returns during rising equity markets and improved down-market protection.
- -CORE- An equal weighting in both growth and value stocks.
- -CORRELATION COEFFICIENT- A measure of how two assets move together. The measure is bounded by +1 and -1; +1 means that the two assets move together positively, while a measure of -1 means that the assets are perfectly negatively correlated.
- -GROWTH MANAGER- Generally invests in companies that have either experienced above-average growth rates and/or are expected to experience above-average growth rates in the future. Growth portfolios tend to have high price/earnings ratios and generally pay little to no dividends.
- -INDEXES- Indexes are used as "independent representations of markets" (e.g., S&P 500).
- -INFORMATION RATIO- Annualized excess return above the benchmark relative to the annualized tracking error.
- -LARGE CAP- Generally, the term refers to a company that has a market capitalization that exceeds \$10 billion.
- -MANAGER UNIVERSE- A collection of quarterly investment returns from various investment management firms that may be subdivided by style (e.g. growth, value, core).
- -MID CAP- Generally, the term refers to a company that has a market capitalization between \$2 and \$10 billion.
- -NCREIF A quarterly time series composite total rate of return measure of investment performance of a large pool of individual commercial real estate properties acquired in the private market for investment purposes only.
- -NCREIF ODCE Open End Diversified Core Equity index which consists of historical and current returns from 26 open-end commingled funds pursuing core strategy. This index is capitalization weighted, time weighted and gross of fees.
- -NET- Investment return accounts only for manager fees.
- -PROTECTING FLORIDA INVESTMENT ACT (PFIA) SBA publishes a list of prohibited investments (scrutinized companies).
- -RATE OF RETURN- The percentage change in the value of an investment in a portfolio over a specified time period, excluding contributions.
- -RISK MEASURES- Measures of the investment risk level, including beta, credit, duration, standard deviation, and others that are based on current and historical data.
- -R-SQUARED- Measures how closely portfolio returns and those of the market are correlated, or how much variation in the portfolio returns may be explained by the market. An R2 of 40 means that 40% of the variation in a fund's price changes could be attributed to changes in the market index over the time period.



### Jupiter Police Officers' Retirement Fund Glossary December 31, 2018

- -SHARPE RATIO- The ratio of the rate of return earned above the risk-free rate to the standard deviation of the portfolio. It measures the number of units of return per unit of risk.
- -SMALL CAP- Generally refers to a company with a market capitalization \$300 million to \$2 billion.
- -STANDARD DEVIATION- Measure of the variability (dispersion) of historical returns around the mean. It measures how much exposure to volatility was experienced by the implementation of an investment strategy.
- -SYSTEMATIC RISK- Measured by beta, it is the risk that cannot be diversified away (market risk).
- -TIME WEIGHTED (TW) RETURN A measure of the investments versus the investor. When there are no flows the TW & DOLLAR weighted (DW) returns are the same and vice versa.
- -TRACKING ERROR- A measure of how closely a manager's performance tracks an index; it is the annualized standard deviation of the differences between the quarterly returns for the manager and the benchmark.
- -TREYNOR RATIO- A measure of reward per unit of risk. (excess return divided by beta).
- -UP AND DOWN-MARKET CAPTURE RATIO- Ratio that illustrates how a manager performed relative to the market during rising and declining market periods.
- -VALUE MANAGER- Generally invests in companies that have low price-to-earnings and price-to-book ratios and/or above-average dividend yields.



# Jupiter Police Officers' Retirement Fund Disclosure December 31, 2018

Advisory services are offered through or by Burgess Chambers and Associates, Inc., a registered SEC investment advisor.

### Performance Reporting:

- 1. Changes in portfolio valuations due to capital gains or losses, dividends, interest, income and management fees are included in the calculation of returns. All calculations are made in accordance with generally accepted industry standards.
- 2. Transaction costs, such as commissions, are included in the purchase cost or deducted from the proceeds or sale of a security. Differences in transaction costs may affect comparisons.
- 3.Individual client returns may vary due to a variety of factors, including differences in investment objectives, asset allocating and timing of investment decisions.
- 4.Performance reports are generated from information supplied by the client, custodian, and/or investment managers. BCA relies upon the accuracy of this data when preparing reports.
- 5. The market indexes do not include transaction costs, and an investment in a product similar to the index would have lower performance dependent upon costs, fees, dividend reinvestments, and timing. Benchmarks and indexes are for comparison purposes only, and there is no assurance or guarantee that such performance will be achieved.
- 6.Performance information prepared by third party sources may differ from that shown by BCA. These differences may be due to different methods of analysis, different time periods being evaluated, different pricing sources for securities, treatment of accrued income, treatment of cash, and different accounting procedures.
- 7.Certain valuations, such as alternative assets, ETF, and mutual funds, are prepared based on information from third party sources, the accuracy of such information cannot be guaranteed by BCA. Such data may include estimates and maybe subject to revision.
- 8.BCA has not reviewed the risks of individual security holdings.
- 9.BCA investment reports are not indicative of future results.
- Performance rankings are time sensitive and subject to change.
- 11. Mutual Fund (MF) and ETF returns are presented net of fees and ranked in net of fee universes.
- 12. Separately Managed Account (SMA) and Commingled Fund (CF) returns are presented gross of fees and ranked in gross of fees universes.
- 13. Composite returns are reported gross of fees and ranked in universes that encompass both gross and net of fee returns.
- 14. Total Fund returns are presented gross of fees and ranked in a gross of fee universe.
- 15. For a free copy of Part II (mailed w/i 5 bus. days from request receipt) of Burgess Chambers & Associates, Inc.'s most recent Form ADV which details pertinent business procedures, please contact: 407-644-0111, info@burgesschambers.com, 315 East Robinson Street Suite #690, Orlando, Florida 32801.

