

Burgess Chambers & Associates, Inc.

Institutional Investment Advisors

www.burgesschambers.com

December 31, 2018

Boynton Beach Police Pension Fund

Investment Performance Period Ending December 31, 2018



Boynton Beach Police Pension Fund BCA Market Perspective © 2018: The Year the Vix Struck Quick

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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.



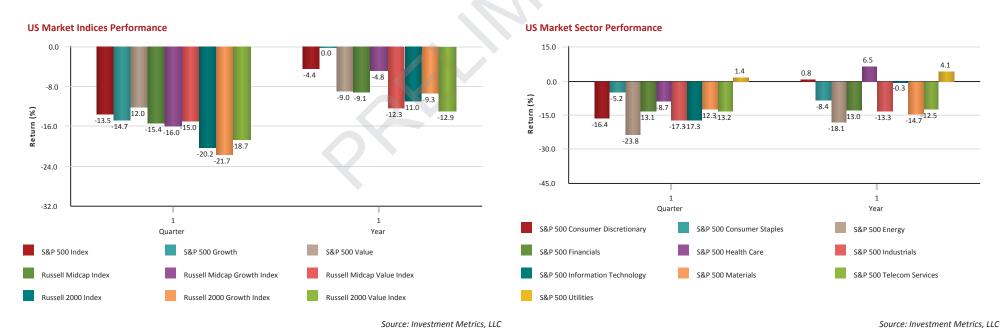
We are reminded in these volatile times that investing is a marathon, not a sprint. Markets are cyclical, with moves up followed by reversals back down. We have been fortunate to see a predominantly bull market for over 9 ½ years. While no one looks forward to down markets, a market correction was overdue 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.

Disclosure: All expressions of opinion reflect the judgment of the author as of the date of publication and are subject to change. Content should not be regarded as a complete analysis of the subjects discussed or as personalized investment advice. All investment strategies have the potential for profit or loss. References to market performance in publications do not represent the returns achieved by Burgess Chambers & Associates or any of its advisory clients.



Quarterly Market Summary December 31, 2018

1 Quarter Performance 8.0 1.6 0.9 0.0 Return (%) -3.5 -4.5 -8.0 -6.7 -7.4 -12.5 -13.5 -16.0 -16.3 -24.0

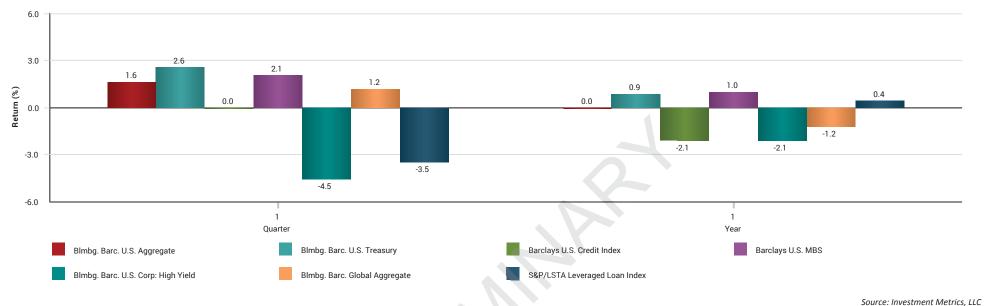


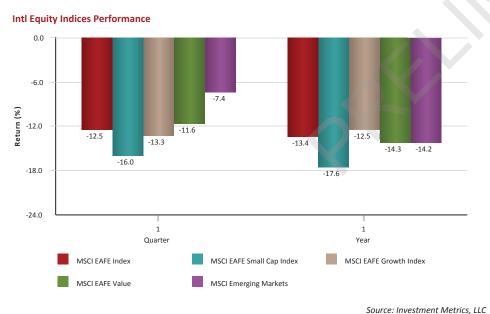


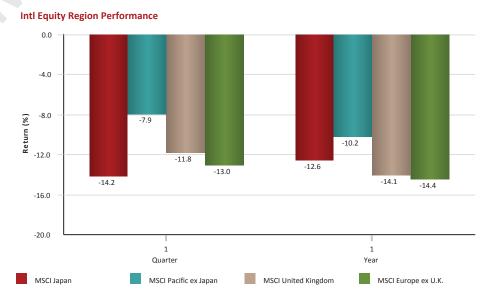
Source: Investment Metrics, LLC

Quarterly Market Summary December 31, 2018

Fixed Income Market Sector Performance







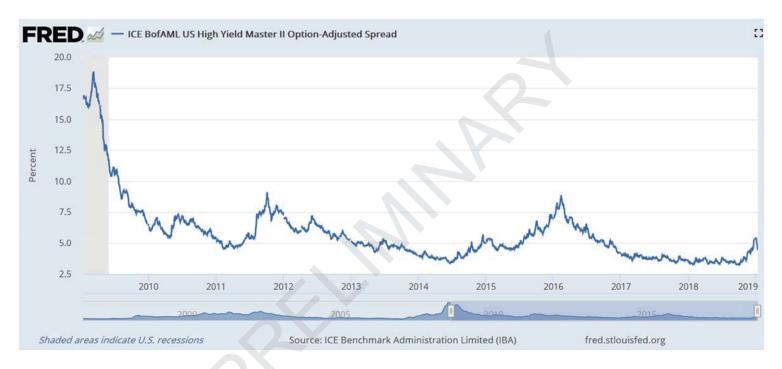
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Source: Investment Metrics, LLC

Boynton Beach Police Pension Fund Total Fund Investment Summary December 31, 2018

The fixed income market can be a powerful gauge for recessions. One statistic of significance is the Option-Adjusted Spread (OAS), measuring the risk/reward of bonds. Following the sell off in December, the OAS surpassed 5%, providing investors a higher risk-adjusted return on their investments.



- For the quarter, the Fund was down 5.8% gross (or -6.0% net; \$6.2 million), ahead of the Policy Benchmark (-7.0%) and ranked in the top 14th percentile. The best performing asset category was the Russell Multi Manager Bond fund (+1.7%).
- For the one-year, the Fund experienced a market-based loss of \$2.5 million or -2.2% gross (-3.0% net), ahead of the Policy Benchmark (-3.7%). The best performing asset category was the Russell Real Estate Fund (+7.0%).
- For the three-year period, the Fund earned \$16.6 million or +6.5% (+5.7% net), ahead of the Policy Benchmark (+5.9%) and ranked in the 23rd percentile.
- For the five-year period, the Fund ranked in the top 6th percentile and earned \$24.9 million or +6.1% (+5.3% net), ahead of the Policy Benchmark (+5.0%).

Boynton Beach Police Pension Fund Total Fund Investment Policy Review December 31, 2018

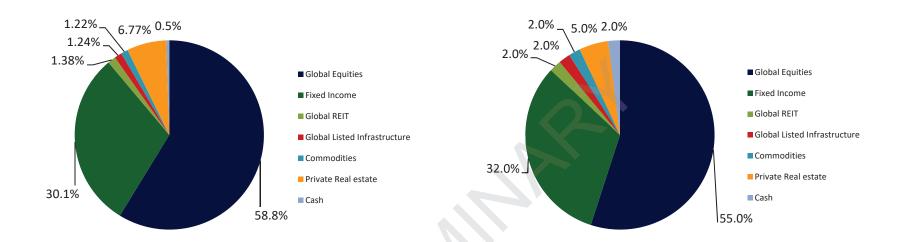
Total Fund annualized three-year performance achieved the Policy Benchmark. Total Fund annualized three-year performance ranked in the top 40th percentile of the universe. Total Fund annualized three-year performance (gross) achieved the +7.5% actuarial assumption rate. Total Fund annualized five-year performance achieved the Policy Benchmark. Total Fund annualized five-year performance ranked in the top 40th percentile of the universe. Total Fund annualized five-year performance (gross) achieved the +7.5% actuarial assumption rate.	Yes	<u>No</u> □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □
Russell Large Cap Defensive Equity annualized three-year performance achieved the Russell 1000 benchmark. Russell Large Cap Defensive Equity annualized five-year performance achieved the Russell 1000 benchmark.	\boxtimes	
Multi Asset Core annualized three-year performance achieved the multi-asset benchmark. Multi Asset Core annualized five-year performance achieved the multi-asset benchmark.	\boxtimes	
Multi Mgr Bonds annualized three-year performance achieved the fixed income benchmark. Multi Mgr Bonds annualized three-year performance ranked in the top 40th percentile of the universe. Multi Mgr Bonds annualized five-year performance achieved the fixed income benchmark. Multi Mgr Bonds annualized five-year performance ranked in the top 40th percentile of the universe.		
Real Estate Equity's annualized three-year performance achieved the real estate benchmark. Real Estate Equity's annualized five-year performance achieved the real estate benchmark.		\boxtimes
PFIA Compliant Investments in equity securities were 58.8% which did not exceed 70% of Fund's assets at market value. Foreign equity investments were 18.2% (at market) and did not exceed the 25% of the total Fund's assets at market. Asset allocation among fixed income was 30.1% (at market) within the 25% minimum limitation. Asset allocation among alternatives was 10.6% (at market) within the 20% maximum limitation.		

Boynton Beach Police Pension Fund Investment Performance - Net December 31, 2018

	<u>Quarter</u>	One Year	Three Years	Five Years
Beginning Market Value	101,897,895	101,992,488	83,370,726	75,449,715
Contributions	3,912,110	121,319	-374,452	-773,160
Gain/Loss	-6,206,547	-2,510,349	16,607,184	24,926,903
Ending Market Value	99,603,458	99,603,458	99,603,458	99,603,458
Total Fund (%)	-6.0	-3.0	5.7	5.3
Policy Benchmark (%)	-7.0	-3.7	5.9	5.0



Boynton Beach Police Pension Fund Actual vs. Target Asset Allocation December 31, 2018

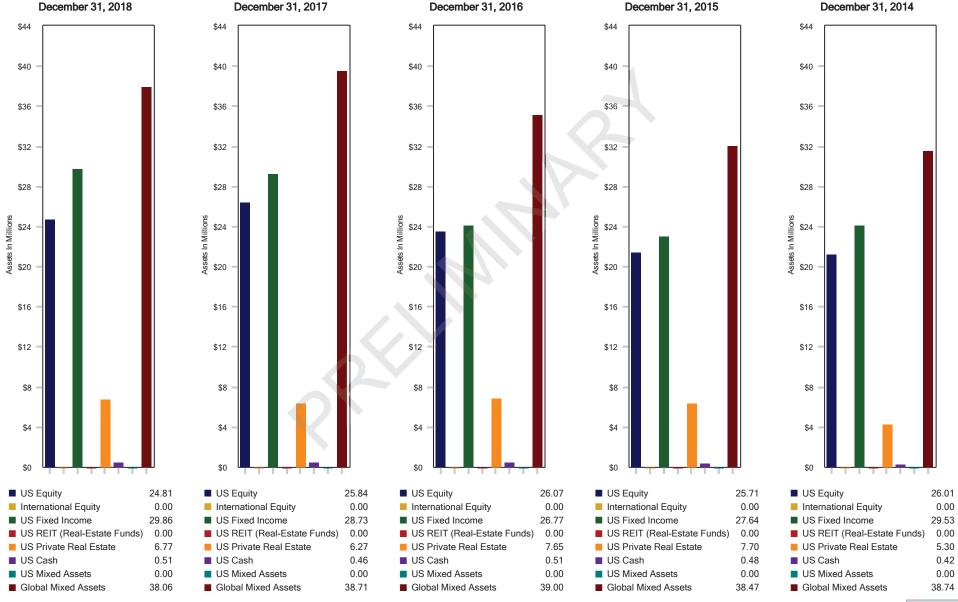


	MV (\$)	Current	Target	Difference
Global Equities	\$ 58,519,888	58.8%	55.0%	3.8%
Fixed Income	\$ 30,014,226	30.1%	32.0%	-1.9%
Global REIT	\$ 1,371,992	1.38%	2.0%	-0.6%
Global Listed Infrastructure	\$ 1,236,486	1.24%	2.0%	-0.8%
Commodities	\$ 1,212,168	1.22%	2.0%	-0.8%
Private Real estate	\$ 6,740,412	6.77%	5.0%	1.8%
Cash	\$ 508,286	0.5%	2.0%	-1.5%
Total	99,603,458	100.0%	100.0%	0.0%

Total International = 18.2% (This calculation includes foreign equity, REIT, listed infrastructure, and fixed income)



Boynton Beach Police Pension Fund Historical Asset Allocation December 31, 2018





Boynton Beach Police Pension Fund Asset Allocation & Performance - Gross December 31, 2018

	Market Value	QTD ROR - Rank	1 Year ROR - Rank	3 Year ROR - Rank	5 Year ROR - Rank
Total Fund	99,603,458	-5.8 (14)	-2.2 (16)	6.5 (23)	6.1 (6)
Policy Benchmark		-7.0	-3.7	5.9	5.0
Russell Large Cap Defensive Equity (CF)	24,709,406	-10.3	-1.8	9.3	8.9
Russell 1000 Defensive Index		-9.1	0.0	9.9	9.1
Russell 1000 Index		-13.8	-4.8	9.1	8.2
Russell Multi-Asset Core (CF)	37,906,442	-9.3	-5.8	7.1	5.6
Multi-Asset Core Composite Index		-10.5	-7.4	5.8	4.1
Russell Multi-Manager Bond (CF)	29,738,912	1.7 (16)	-0.2 (83)	2.7 (34)	3.1 (32)
Fixed Income Benchmark		1.6	0.0	2.1	2.5
Russell Real Estate Equity (CF)	6,740,412	0.4	7.0	8.0	10.3
Real Estate Benchmark		1.6	8.3	8.4	10.5
Russell ST Inv Cash Sweep (CF)	508,286	5.1	5.5	2.2	1.3
ICE BofAML 3 Month U.S. T-Bill		0.6	1.9	1.0	0.6



Boynton Beach Police Pension Fund Asset Allocation & Performance - Net December 31, 2018

	Market Value	QTD ROR - Rank	1 Year ROR - Rank	3 Year ROR - Rank	5 Year ROR - Rank
Total Fund	99,603,458	-6.0	-3.0	5.7	5.3
Policy Benchmark		-7.0	-3.7	5.9	5.0
Russell Large Cap Defensive Equity (CF)	24,709,406	-10.5	-2.5	8.6	8.2
Russell 1000 Defensive Index		-9.1	0.0	9.9	9.1
Russell 1000 Index		-13.8	-4.8	9.1	8.2
Russell Multi-Asset Core (CF)	37,906,442	-9.6	-6.6	6.1	4.7
Multi-Asset Core Composite Index		-10.5	-7.4	5.8	4.1
Russell Multi-Manager Bond (CF)	29,738,912	1.6	-0.7	2.2	2.5
Fixed Income Benchmark		1.6	0.0	2.1	2.5
Russell Real Estate Equity (CF)	6,740,412	0.0	5.5	6.5	8.9
Real Estate Benchmark	, ,	1.6	8.3	8.4	10.5
Russell ST Inv Cash Sweep (CF)	508,286	5.1	5.5	2.2	1.1
ICE BofAML 3 Month U.S. T-Bill	,	0.6	1.9	1.0	0.6

¹ Policy Benchmark (IPS hybrid benchmark objective): March '14 is 30% MSCI ACWI + 25% Russell 1000 + 32% BC Aggregate + 2% NAREIT + 2% S&P Global Infrastructure Index + 5% NCREIF ODCE EQ (NFI ODCE EQ) + 2% DJ UBS Commodities + 2% ML 3M T-Bills; prior from May'13 48% MSCI ACWI + 35% BC Aggregate + 5% NAREIT + 5% NFI ODCE EQ + 5% DJ UBS Commodities + 2% ML 3M T-Bills; Mar'12 is 34% Russell 1000 + 11% Russell Mid-Cap + 11% MSCI Net EAFE + 4% MSCI Net EAFE + 4% MSCI Net EM + 5% FTSE/NAREIT + 30% BC Aggregate + 5% BC TIPS; from Sep'09 was 34% Russell 1000 + 11% Russell Mid-Cap+ 11% MSCI Net EAFE + 4% MSCI Net EM + 5% Wilshire REIT + 30% BC Aggregate + 5% BC TIPS; from May'05 was 34% Russell 1000 + 16% Russell Mid-Cap+ 10% MSCI Net EAFE + 5% Wilshire REIT + 30% LB Interm Aggregate + 5% Lehman Interm TIPS; from Jul'02 was 60% S&P 500 + 35 LB Gov't/Credit.

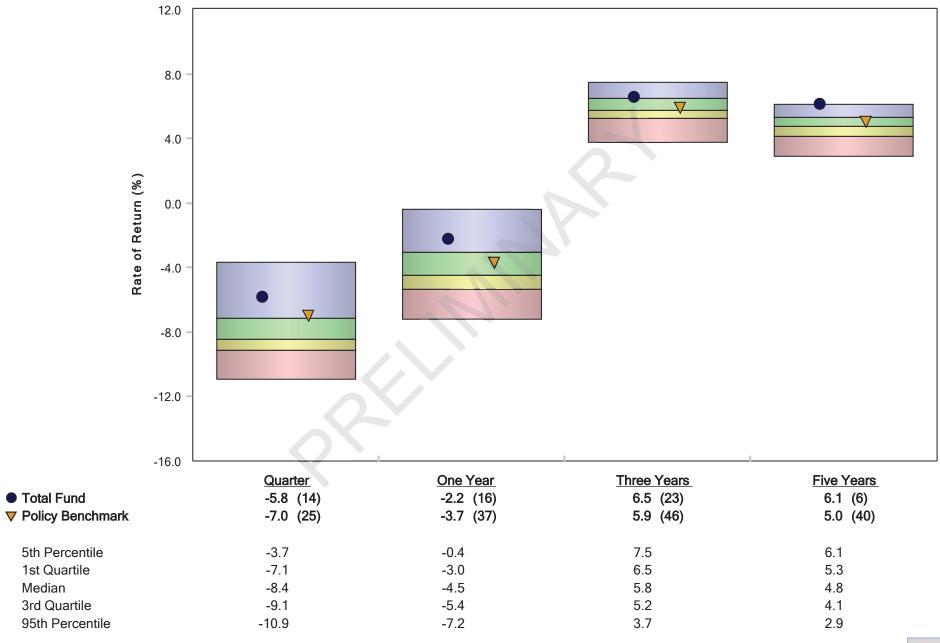


² The Multi-Asset Core Composite Benchmark: 75.0% Russell World Cap 50% Hedged Net Index / 5.0% Bloomberg Commodity Index / 5.0% FTSE EPRA/NAREIT Developed Real Estate Index (Net) / 5.0% S&P Global Infrastructure Index Net / 7.0% Barclays U.S. Aggregate Bond Index / 3.0% Barclays U.S. 1-3 Month Treasury Bill Index. This benchmark is appropriate for evaluating the Russell Multi-Asset Core Fund over a 3 to 5 year horizon.

³ Fixed Income Benchmark (IPS fixed income hybrid): Sep'09 is 100% BC Aggregate; from May05 was 100% LB Intermediate Aggregate; from Jun'02 was 100% Lehman Gov't/Credit.

⁴ Real Estate Benchmark: from Sept'09 is 100% NCREIF ODCE EQ (NFI ODCE EQ); prior was 100% NCREIF Index.

Boynton Beach Police Pension Fund Peer Universe Quartile Ranking December 31, 2018



Parentheses contain percentile rankings.

Calculation based on quarterly data.

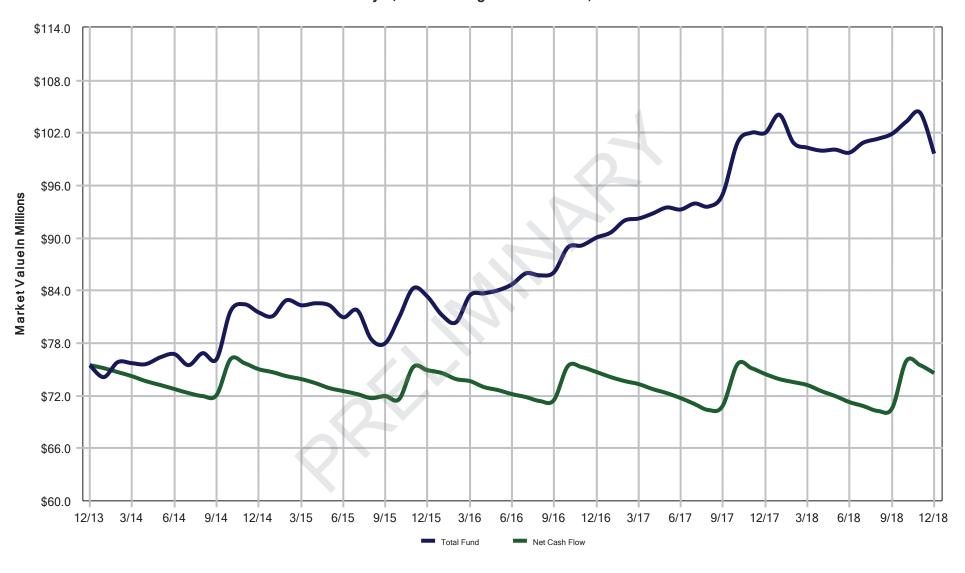
Total Fund

1st Quartile Median

3rd Quartile



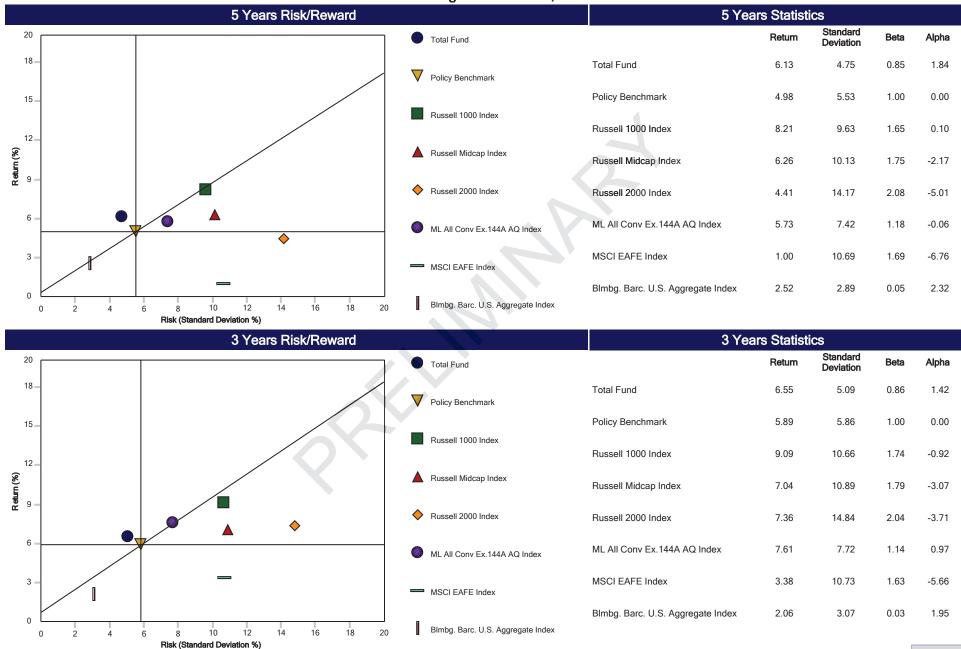
Boynton Beach Police Pension Fund Growth of Investments January 1, 2014 Through December 31, 2018





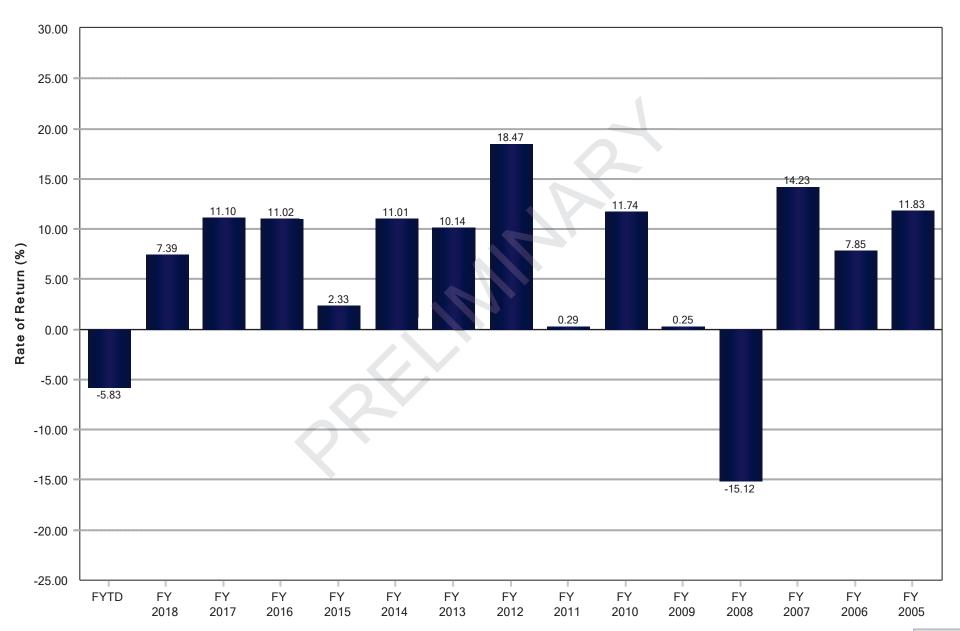


Boynton Beach Police Pension Fund Capital Market Line Period Ending December 31, 2018



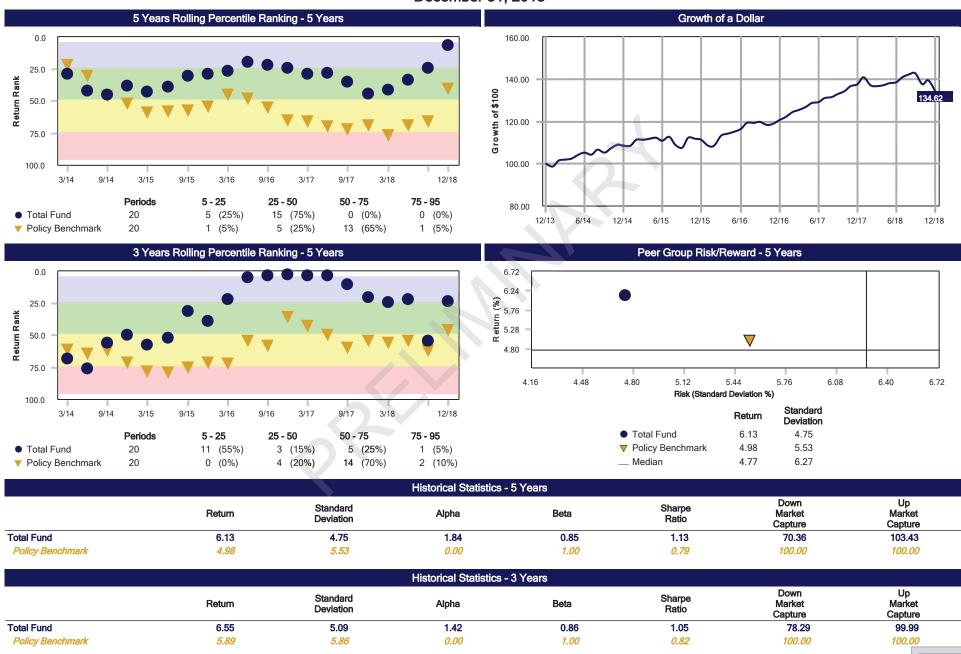


Boynton Beach Police Pension Fund Fiscal Year Rates of Return December 31, 2018



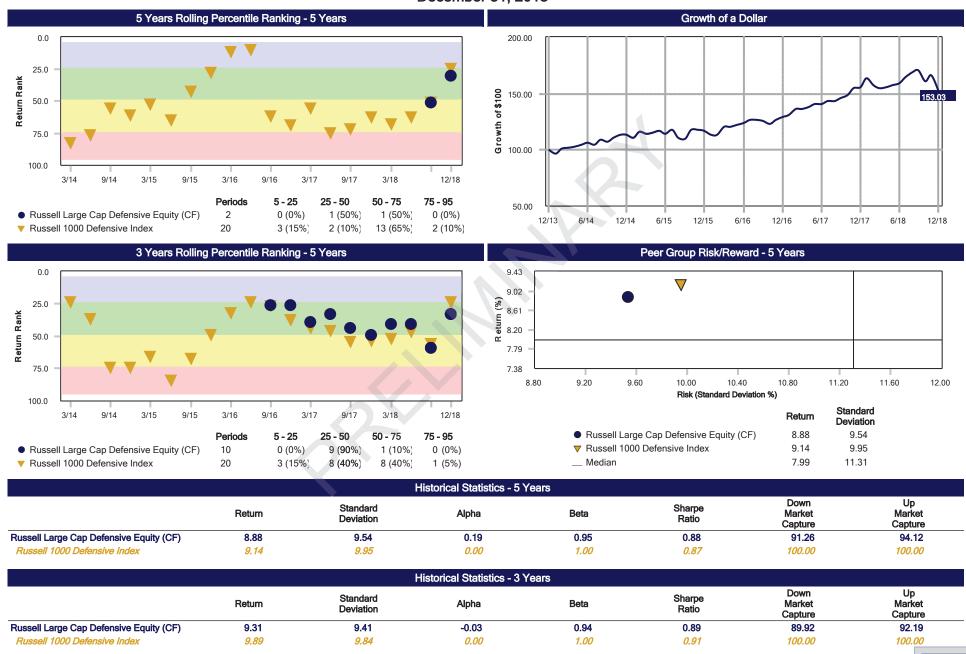


Boynton Beach Police Pension Fund Total Fund December 31, 2018

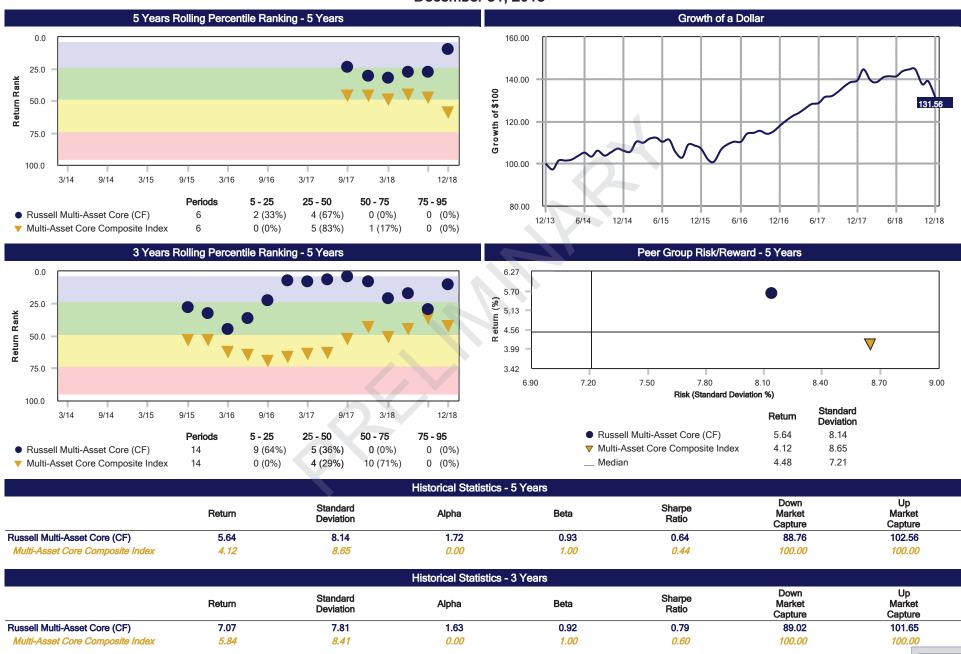




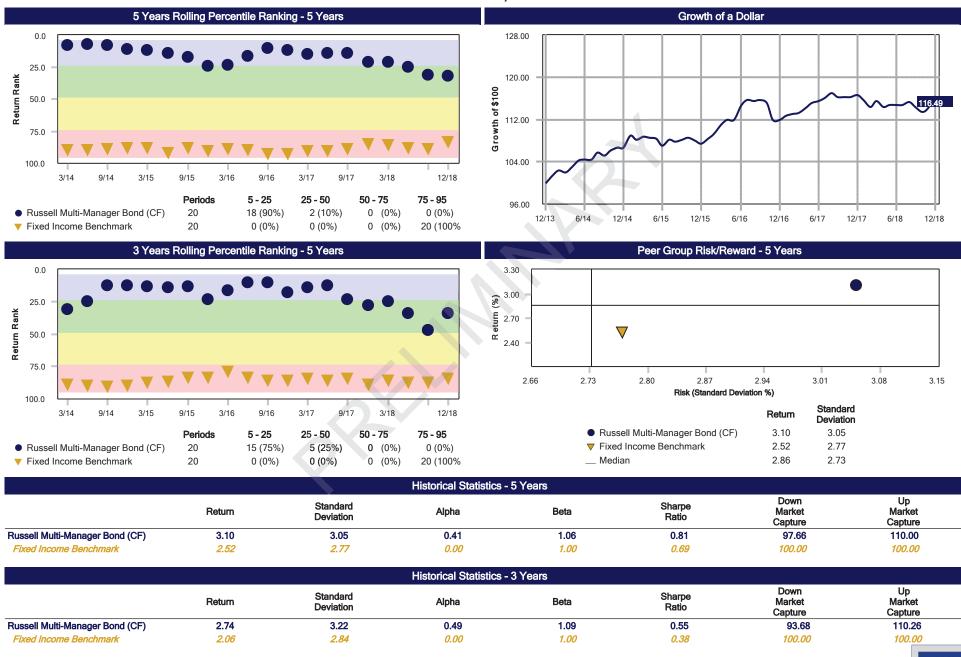
Boynton Beach Police Pension Fund Russell Large Cap Defensive Equity (CF) December 31, 2018



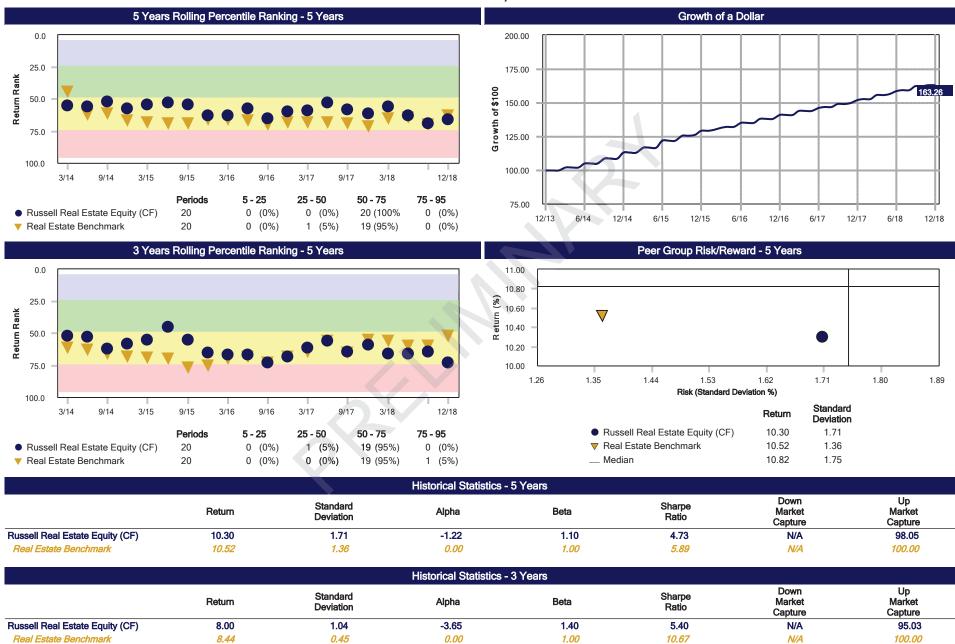
Boynton Beach Police Pension Fund Russell Multi-Asset Core (CF) December 31, 2018



Boynton Beach Police Pension Fund Russell Multi-Manager Bond (CF) December 31, 2018



Boynton Beach Police Pension Fund Russell Real Estate Equity (CF) December 31, 2018



Boynton Beach Police Pension 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.



Boynton Beach Police Pension 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.



Boynton Beach Police Pension 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.
- 10. 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.



