

## Burgess Chambers & Associates, Inc.

Institutional Investment Advisors

www.burgesschambers.com

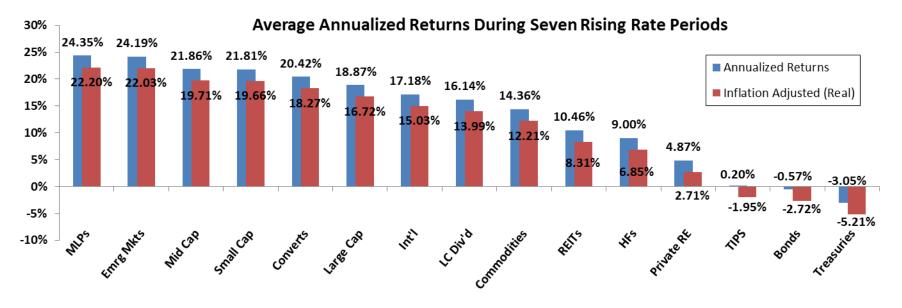
# **BOYNTON BEACH POLICE PENSION FUND INVESTMENT PERFORMANCE PERIOD ENDING JUNE 30, 2014**

#### **Boynton Beach Police Pension Fund**

#### **BCA Market Perspective ©**

### **How Rising Interest Rates Influence Asset Classes July 2014**

The current market environment has kept the 10-year treasury rate hovering between 2.5% and 2.7%, in spite of the Fed slowly dialing back the monthly purchases of bonds and mortgages. With the Fed moving away from supporting bond prices, it is expected that interest rates will slowly begin to rise. So what does that mean for other asset classes and how they may perform in a rising rate environment?



During the past 20 years, there have been seven periods of 5 months or more in which interest rates of the US 10 Year Treasury Note have trended higher by at least 90 bps (.90%). During those periods, the US Treasury market averaged an annualized loss of -3.05%, as gauged by the Barclays Treasury index, and a real annualized loss of -5.21%, when you take into account the annualized rate of inflation.

It is important to note that during the past 20 years the rate of inflation has averaged a mere +2.40%. The above observations do not take into account periods of severe inflation rates, as were prevalent in the 1970s.



#### Boynton Beach Police Pension Fund Total Fund Investment Summary June 30, 2014

- For the quarter, the Fund had an investment gain of \$2.4 million or +3.5% (+3.3% net), slightly below Policy benchmark (+3.9%). The best performing asset category was the RTC Large Cap Defensive Equity Fund (+4.3%).
- Fiscal year to date, the Fund earned \$7.3 million or +11.1% gross (+10.4% net), ahead of the Policy benchmark (+10.0%).
- For the one-year period, the Fund earned \$9.6 million or +14.9% (+14.0% net), ahead of the Policy benchmark (+14.5%).
- For the three-year period, the Fund earned \$16.7 million or +9.1% (+8.3% net) ahead of the actuarial investment return assumption rate (+7.75%).



#### Boynton Beach Police Pension Fund Total Fund Investment Performance June 30, 2014

#### **Dollars**

	<b>Quarter</b>	<b>FYTD</b>	One Year
Beginning Market Value	75,731,397	68,964,431	66,902,413
Ending Market Value	76,782,315	76,782,315	76,782,315
Net Contributions	-1,364,100	+475,174	+270,567
<b>Investment Gain/(Loss)</b>	+2,415,018	+7,342,710	+9,609,335
Investment Return, net	+3.3%	+10.4%	+14.0%
Policy Benchmark	+3.9%	+10.0%	+14.5%
Value Added (pts.)	-0.6	+0.4	-0.5

Fiscal Year: October 1st – September 30th



#### Boynton Beach Police Pension Fund Total Fund Investment Policy Review June 30, 2014

The total Fund's annualized three-year performance achieved the Policy Benchmark.  The total Fund's annualized three-year performance ranked in the top 40th percentile of the universe.  The total Fund's annualized five-year performance achieved the Policy Benchmark.  The total Fund's annualized five-year performance ranked in the top 40th percentile of the universe.  The total Fund's annualized three-year performance achieved the +7.75% actuarial assumption rate.  The total Fund's annualized five-year performance achieved the +7.75% actuarial assumption rate.	<u>Yes</u>	No
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 three-year performance ranked in the top 40th percentile of the universe.  Real Estate Equity's annualized five-year performance achieved the real estate benchmark.  Real Estate Equity's annualized five-year performance ranked in the top 40th percentile of the universe.		
PFIA Compliant Investments in equity securities were 61% which did not exceed 70% of Fund's assets at market value. Foreign equity investments were 22.7% (at market) and did not exceed the 25% of the total Fund's assets at market. Asset allocation among fixed income was 31.9% (at market) within the 30% minimum limitation. Asset allocation among alternatives was 10.0% (at market) within the 20% maximum limitation.		

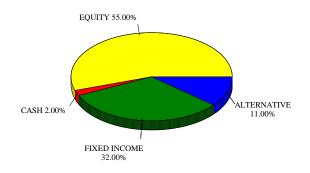


#### Boynton Beach Police Pension Fund Total Fund Actual vs Target Asset Allocation June 30, 2014

#### ACTUAL ASSET ALLOCATION

# CASH 0.47% FIXED INCOME 29.71%

#### TARGET ASSET ALLOCATION

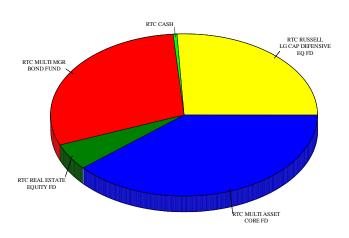


MARKET VALUE	PERCENT	MARKET VALUE	PERCENT	MARKET VALUE	PERCENT
ACTUAL	ACTUAL	TARGET	TARGET	DIFFERENCE	DIFFERENCE
49,546,320.2	64.5%	42,230,273.1	55.0%	7,316,047.1	9.5%
22,812,374.1	29.7%	24,570,340.7	32.0%	(1,757,966.6)	(2.3%)
4,060,634.7	5.3%	8,446,054.6	11.0%	(4,385,419.9)	(5.7%)
362,985.6	0.5%	1,535,646.3	2.0%	(1,172,660.7)	(1.5%)
\$76.782.314.7	100.0%	\$76.782.314.7	100.0%	\$0.0	0.0%
	49,546,320.2 22,812,374.1 4,060,634.7	ACTUAL         ACTUAL           49,546,320.2         64.5%           22,812,374.1         29.7%           4,060,634.7         5.3%           362,985.6         0.5%	ACTUAL         ACTUAL         TARGET           49,546,320.2         64.5%         42,230,273.1           22,812,374.1         29.7%         24,570,340.7           4,060,634.7         5.3%         8,446,054.6           362,985.6         0.5%         1,535,646.3	ACTUAL         ACTUAL         TARGET         TARGET           49,546,320.2         64.5%         42,230,273.1         55.0%           22,812,374.1         29.7%         24,570,340.7         32.0%           4,060,634.7         5.3%         8,446,054.6         11.0%           362,985.6         0.5%         1,535,646.3         2.0%	ACTUAL         ACTUAL         TARGET         TARGET         DIFFERENCE           49,546,320.2         64.5%         42,230,273.1         55.0%         7,316,047.1           22,812,374.1         29.7%         24,570,340.7         32.0%         (1,757,966.6)           4,060,634.7         5.3%         8,446,054.6         11.0%         (4,385,419.9)           362,985.6         0.5%         1,535,646.3         2.0%         (1,172,660.7)



#### Boynton Beach Police Pension Fund Total Fund Asset Allocation

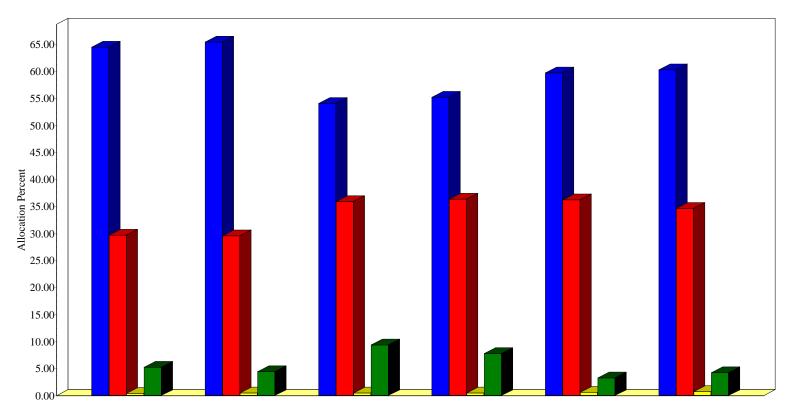
TOTAL MARKET VALUE AS OF JUNE 30, 2014 \$ 76,782,315



	VALUE	PERCENT
RTC MULTI ASSET CORE FD	29,700,064	38.68
RTC MULTI MGR BOND FUND	22,812,374	29.71
RTC RUSSELL LG CAP DEFENSIVE EQ FD	19,846,256	25.85
RTC REAL ESTATE EQUITY FD	4,060,635	5.29
RTC CASH	362,986	0.47



#### Boynton Beach Police Pension Fund Total Fund Asset Distribution June 30, 2014



	QUARTER TO DATE	1 YEAR	2 YEARS	3 YEARS	4 YEARS	5 YEARS
EQUITY	64.53	65.50	54.13	55.27	59.75	60.35
FIXED INCOME	29.71	29.59	35.94	36.41	36.28	34.65
CASH	0.47	0.49	0.53	0.52	0.66	0.73
ALTERNATIVE	5.29	4.42	9.40	7.80	3.32	4.27



# Boynton Beach Police Pension Fund Total Fund June 30, 2014 Gross of Fees

Name	Market Values	QTD ROR	FYTD ROR	1 Year ROR	2 Year ROR	3 Year ROR	5 Year ROR
Equity	Walket Values	KOK	KOK	KOK	KOK	KOK	KOK
RTC Multi Asset Core Fd	29,700,064	3.7%	12.0%	17.9%	N/A	N/A	N/A
RTC Russell Lg Cap Defensive Eq Fd	19,846,256	4.3%	17.3%	N/A	N/A	N/A	N/A
Total Equity	49,546,320	4.0%	14.1%	19.3%	17.7%	10.1%	15.3%
	43,040,020	4.070	14.170	13.570	17.770	10.170	10.070
Fixed Income	00.040.074		4.007		o =o/	4.007	
RTC Multi Mgr Bond Fund	22,812,374	2.4%	4.9%	5.8%	3.5%	4.9%	7.8%
Total Fixed Income	22,812,374	2.4%	4.9%	5.8%	3.5%	4.9%	7.8%
<u>Cash</u>							
RTC Cash	362,986	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%
Alternative							
RTC Real Estate Equity Fd	4,060,635	3.1%	8.9%	12.6%	13.0%	12.9%	10.1%
Total Alternative	4,060,635	3.1%	8.9%	12.6%	14.3%	10.4%	8.4%
TOTAL: (1, 2, 3, 4)	76,782,315	3.5%	11.1%	14.9%	13.3%	9.1%	12.9%
Policy Benchmark		3.9%	10.0%	14.5%	12.7%	9.3%	13.1%
RTC Multi-Asset Core		4.4%	12.3%	19.0%	N/A	N/A	N/A
MSCI ACWI NR		5.0%	13.9%	22.9%	19.7%	10.3%	14.3%
SP GI Infrastructure		8.1%	N/A	N/A	N/A	N/A	N/A
Russell 1000 Index		5.1%	18.2%	25.4%	23.3%	16.6%	19.3%
Fixed Income Bnch		2.0%	3.8%	4.4%	1.8%	3.7%	4.9%
ML 3M TBill		0.0%	0.0%	0.1%	0.1%	0.1%	0.1%
Real Estate Bnch		2.8%	8.6%	12.3%	12.1%	12.2%	9.5%
NFI ODCE EQ		2.8%	8.6%	12.3%	12.1%	12.2%	N/A
NAREIT		7.1%	16.0%	13.0%	11.6%	11.9%	23.6%

<sup>1</sup> Policy Benchmark (IPS hybrid benchmark objective): March '14 30% MSCI ACWI + 25% Russell 1000 + 32% BC Aggregate + 2% NAREIT + 2% S&P Global Infrastructure Index + 5% 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 + 111% 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 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.

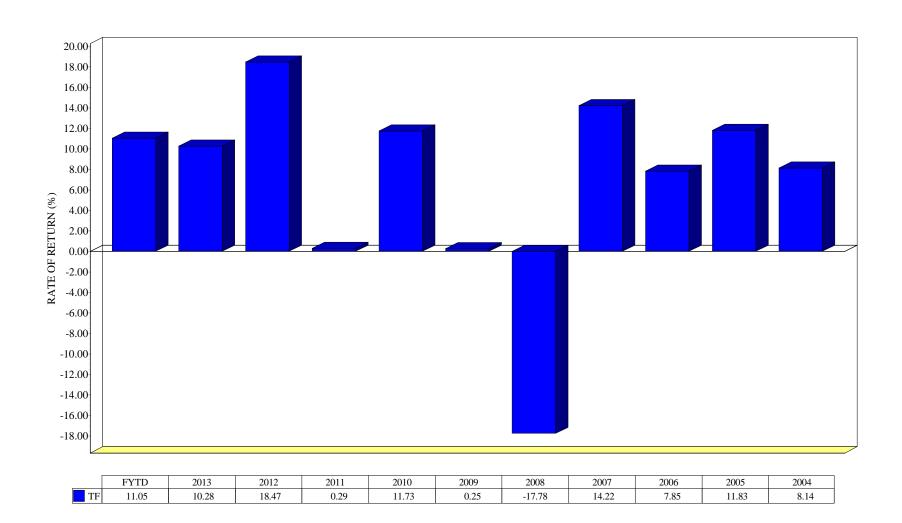


<sup>2</sup> The Multi-Asset Core Composite Benchmark is comprised of 75.0% Russell World Cap 50% Hedged Net Index / 7.5% Dow Jones UBS Commodity Index / 7.5% FTSE EPRA/NAREIT Developed Real Estate Index (Net) / 7.0% Barclays U.S. Aggregate Bond Index / 3.0% Barclays U.S. 1-3 Month Treasury Bill Index. This benchmark is appropriate for evaluating the Russell Multi-Asset Core Fund over a 3 to 5 year horizon.

<sup>3</sup> Fixed Income Bnch (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.

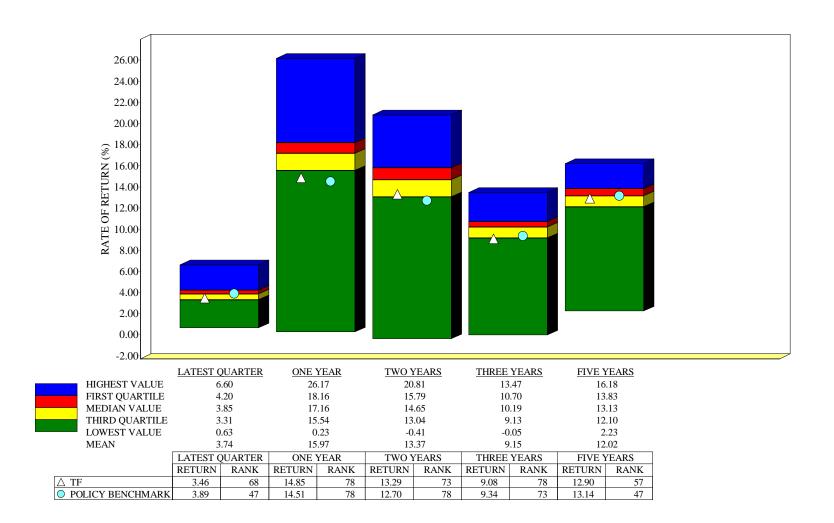
<sup>4</sup> Real Estate Bnch: from Sept'09 is 100% NFI ODCE EQ; prior was 100% NCREIF.

#### Boynton Beach Police Pension Fund Total Fund Fiscal Year Rates of Return September 30, 2003 Through June 30, 2014



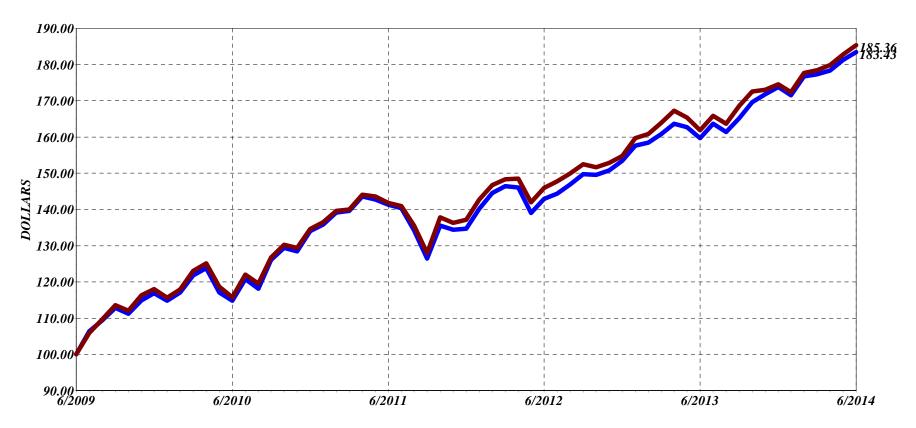


# Boynton Beach Police Pension Fund Quartile Ranking Total Fund Versus BNY Mellon Public Funds Universe June 30, 2009 Through June 30, 2014





#### Boynton Beach Police Pension Fund Total Fund Growth of a Dollar Analysis June 30, 2009 Through June 30, 2014



	LATEST QUARTER	FISCAL YTD	YEAR TO DATE	ONE YEAR	THREE YEARS	FIVE YEARS
<b>T</b> F	3.46	11.05	5.53	14.85	9.08	12.90
— POLICY BENCHMARK	3.89	9.96	6.21	14.51	9.34	13.14



#### Boynton Beach Police Pension Fund RTC Multi Asset Core Fd Performance Profile Through June 30, 2014

	ENDED	RETURN
BEST QUARTER	12/2013	6.08
WORST QUARTER	3/2014	1.78
BEST 4 QUARTERS	6/2014	17.85
WORST 4 QUARTERS	6/2014	17.85

TOTAL # OF PERIODS: 12 # OF POSITIVE PERIODS: 10 # OF NEGATIVE PERIODS: 2

	QUARTER		
	TO	FISCAL	ONE
	DATE	YTD	YEAR
RTC MULTI ASSET CORE FD	3.73	11.99	17.85
MULTI-ASSET INDEX	4.36	12.29	19.03
EXCESS	-0.63	-0.30	-1.18
RISKLESS INDEX	0.01	0.04	0.06
REAL ROR	2.91	10.10	15.64

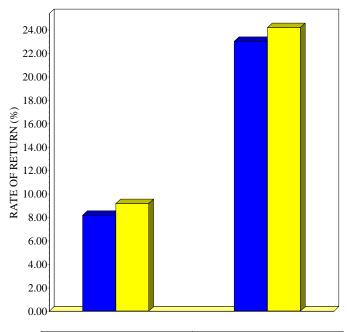
		STD	SHARPE				INFO
PERIOD	RETURN	DEV	RATIO	ALPHA	BETA	R-SQUARED	RATIO
ONE YEAR	17.85	6.92	2.57	-0.66	0.98	98.20	-1.08



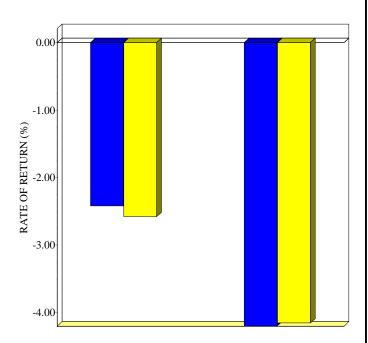
#### Boynton Beach Police Pension Fund RTC Multi Asset Core Fd Performance in Rising and Declining Markets June 30, 2013 Through June 30, 2014

#### UP MARKET PERFORMANCE

#### DOWN MARKET PERFORMANCE



	YTD	ONE YEAR
TOTAL FUND	8.20	23.03
MULTI-ASSET INDEX	9.19	24.19
DIFFERENCE	-0.99	-1.17
RATIO	0.89	0.95
UP PERIODS	5	10

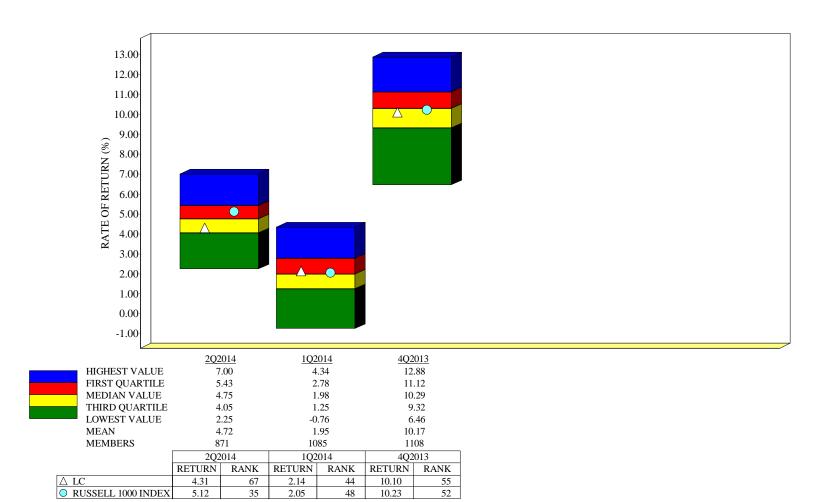


	YTD	ONE YEAR
TOTAL FUND	-2.42	-4.21
MULTI-ASSET INDEX	-2.58	-4.16
DIFFERENCE	0.16	-0.05
RATIO	0.94	1.01
DOWN PERIODS	1	2



#### Boynton Beach Police Pension Fund Quartile Ranking

#### RTC Russell Lg Cap Defensive Eq Fd Versus Large Cap September 30, 2013 Through June 30, 2014





#### Boynton Beach Police Pension Fund RTC Multi Mgr Bond Fund Performance Profile Through June 30, 2014

	ENDED	RETURN
BEST QUARTER	9/2009	8.07
WORST QUARTER	6/2013	-2.50
BEST 4 QUARTERS	6/2010	18.38
WORST 4 QUARTERS	6/2013	1.36

TOTAL # OF PERIODS: 60 # OF POSITIVE PERIODS: 45 # OF NEGATIVE PERIODS: 15

	QUARTER					
	TO	FISCAL	ONE	TWO	THREE	FIVE
	DATE	YTD	YEAR	YEARS	YEARS	YEARS
TOTAL FUND	2.43	4.92	5.77	3.54	4.86	7.83
FIXED INCOME BNCH	2.04	3.78	4.37	1.81	3.66	4.85
EXCESS	0.38	1.13	1.40	1.73	1.20	2.98
RISKLESS INDEX	0.01	0.04	0.06	0.08	0.07	0.11
REAL ROR	1.62	3.15	3.79	1.69	2.99	5.72

		UNIVERSE	STD	SHARPE				INFO
PERIOD	RETURN	RANKING	DEV	RATIO	ALPHA	BETA	R-SQUARED	RATIO
ONE YEAR	5.77	34	2.47	2.31	1.09	1.06	96.22	2.69
TWO YEARS	3.54	34	3.11	1.11	1.54	1.09	95.87	2.50
THREE YEARS	4.86	37	2.90	1.65	1.30	0.96	81.75	0.93
FIVE YEARS	7.83	26	3.39	2.28	2.67	1.04	74.34	1.66



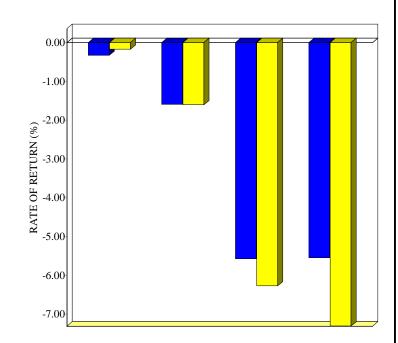
#### Boynton Beach Police Pension Fund RTC Multi Mgr Bond Fund Performance in Rising and Declining Markets June 30, 2009 Through June 30, 2014

#### UP MARKET PERFORMANCE

#### 13.00 12.00 11.00 10.00 \$\infty\$ 9.00 8.00 4.00 3.00 2.00 1.00 0.00

	YTD	ONE YEAR	THREE YEARS	FIVE YEARS
TOTAL FUND	4.91	7.49	10.07	13.16
FIXED INCOME BNCH	4.10	6.08	8.65	9.66
DIFFERENCE	0.81	1.41	1.42	3.49
RATIO	1.20	1.23	1.16	1.36
UP PERIODS	5	8	25	44

#### DOWN MARKET PERFORMANCE



	YTD	ONE YEAR	THREE YEARS	FIVE YEARS
TOTAL FUND	-0.34	-1.60	-5.58	-5.55
FIXED INCOME BNCH	-0.17	-1.61	-6.28	-7.32
DIFFERENCE	-0.17	0.01	0.70	1.76
RATIO	1.98	0.99	0.89	0.76
DOWN PERIODS	1	4	11	16



#### Boynton Beach Police Pension Fund RTC Real Estate Equity Fd Performance Profile Through June 30, 2014

	ENDED	RETURN
BEST QUARTER	12/2010	5.62
WORST QUARTER	9/2009	-8.76
BEST 4 QUARTERS	6/2011	21.67
WORST 4 QUARTERS	6/2010	-7.72

TOTAL # OF PERIODS: 60 # OF POSITIVE PERIODS: 58 # OF NEGATIVE PERIODS: 2

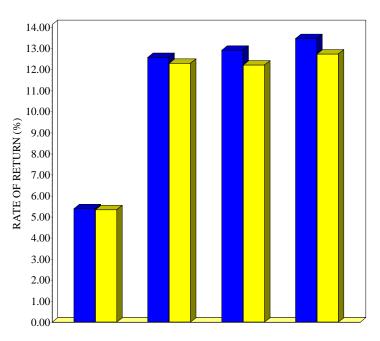
	QUARTER					
	TO	FISCAL	ONE	TWO	THREE	FIVE
	DATE	YTD	YEAR	YEARS	YEARS	YEARS
TOTAL FUND	3.07	8.90	12.57	12.96	12.92	10.08
REAL ESTATE BNCH	2.76	8.64	12.30	12.07	12.22	9.45
EXCESS	0.31	0.26	0.28	0.89	0.69	0.63
RISKLESS INDEX	0.01	0.04	0.06	0.08	0.07	0.11
REAL ROR	2.26	7.08	10.47	10.96	10.92	7.94

		UNIVERSE	STD	SHARPE				INFO
PERIOD	RETURN	RANKING	DEV	RATIO	ALPHA	BETA	R-SQUARED	RATIO
ONE YEAR	12.57	65	4.99	2.51	-0.04	1.03	99.20	0.55
TWO YEARS	12.96	1	5.23	2.46	-0.13	1.08	98.68	1.14
THREE YEARS	12.92	1	5.20	2.47	-0.13	1.07	98.68	0.94
FIVE YEARS	10.08	99	7.66	1.30	0.11	1.05	99.34	0.83



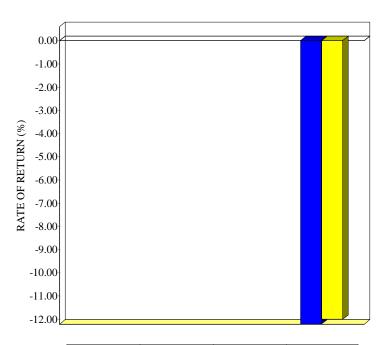
#### Boynton Beach Police Pension Fund RTC Real Estate Equity Fd Performance in Rising and Declining Markets June 30, 2009 Through June 30, 2014

#### UP MARKET PERFORMANCE



	YTD	ONE YEAR	THREE YEARS	FIVE YEARS
TOTAL FUND	5.39	12.57	12.92	13.47
REAL ESTATE BNCH	5.35	12.30	12.22	12.74
DIFFERENCE	0.04	0.28	0.69	0.73
RATIO	1.01	1.02	1.06	1.06
UP PERIODS	6	12.	36	58

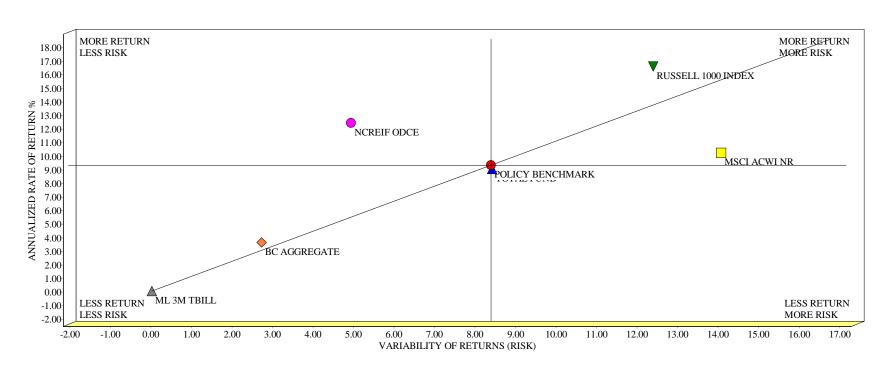
#### DOWN MARKET PERFORMANCE



		YTD	ONE YEAR	THREE YEARS	FIVE YEARS
TOTAL F	UND	N/A	N/A	N/A	-12.23
REAL ES	TATE BNCH	N/A	N/A	N/A	-12.02
DIFFERE	NCE	N/A	N/A	N/A	-0.21
RATIO		N/A	N/A	N/A	1.02
DOWN P	ERIODS	0	0	0	2



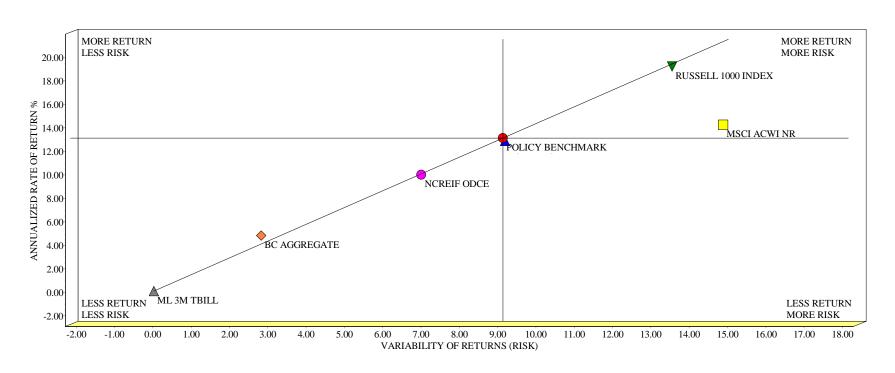
#### Boynton Beach Police Pension Fund Total Fund Capital Market Line June 30, 2011 Through June 30, 2014



	RETURN	STD DEV	BETA	ALPHA	R-SQUARED
▲ TOTAL FUND	9.08	8.42	0.99	-0.17	97.78
<ul> <li>POLICY BENCHMARK</li> </ul>	9.34	8.39	1.00	0.00	100.00
■ MSCI ACWI NR	10.25	14.07	1.00	0.00	100.00
▼ RUSSELL 1000 INDEX	16.63	12.40	1.00	0.00	100.00
♦ BC AGGREGATE	3.66	2.73	1.00	0.00	100.00
▲ ML 3M TBILL	0.07	0.02	1.00	0.00	100.00
<ul><li>NCREIF ODCE</li></ul>	12.45	4.94	1.00	0.00	100.00



#### Boynton Beach Police Pension Fund Total Fund Capital Market Line June 30, 2009 Through June 30, 2014



	RETURN	STD DEV	BETA	ALPHA	R-SQUARED
▲ TOTAL FUND	12.90	9.19	1.00	-0.18	98.32
<ul> <li>POLICY BENCHMARK</li> </ul>	13.14	9.13	1.00	0.00	100.00
■ MSCI ACWI NR	14.28	14.88	1.00	0.00	100.00
▼ RUSSELL 1000 INDEX	19.25	13.55	1.00	0.00	100.00
♦ BC AGGREGATE	4.85	2.82	1.00	0.00	100.00
▲ ML 3M TBILL	0.11	0.03	1.00	0.00	100.00
<ul><li>NCREIF ODCE</li></ul>	10.00	7.01	1.00	0.00	100.00



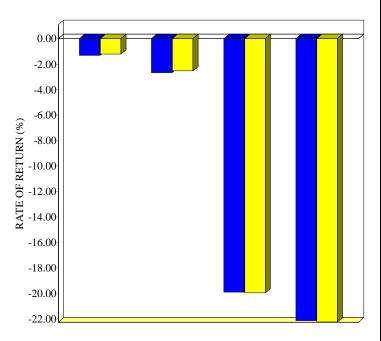
#### Boynton Beach Police Pension Fund Total Fund Performance in Rising and Declining Markets June 30, 2009 Through June 30, 2014

#### UP MARKET PERFORMANCE

#### 34.00 32.00 30.00 28.00 24.00 24.00 22.00 18.00 16.00 14.00 12.00 10.00 8.00 6.00 4.00 2.00 0.00

	YTD	ONE YEAR	THREE YEARS	FIVE YEARS
TOTAL FUND	6.96	18.03	24.97	32.41
POLICY BENCHMARK	7.52	17.50	25.43	32.89
DIFFERENCE	-0.57	0.54	-0.46	-0.48
RATIO	0.92	1.03	0.98	0.99
UP PERIODS	5	10	26	42

#### DOWN MARKET PERFORMANCE



	YTD	ONE YEAR	THREE YEARS	FIVE YEARS
TOTAL FUND	-1.34	-2.70	-19.94	-22.16
POLICY BENCHMARK	-1.22	-2.55	-19.99	-22.28
DIFFERENCE	-0.11	-0.15	0.05	0.12
RATIO	1.09	1.06	1.00	0.99
DOWN PERIODS	1	2	10	18



## **Boynton Beach Police Pension Fund Glossary of Terms**

- -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 BNY Mellon 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 BCA stategy. This index is capitalization weighted, time weighted and gross of fees. 22

## **Boynton Beach Police Pension Fund Glossary of Terms**

- -NET- Investment return accounts only for manager fees.
- -PROTECTING FLORIDA INVESTMENT ACT (PFIA) SBA publishes a list of prohibited investments (scruntinized 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.
- -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 capitilation \$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

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- 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.
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- 5.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.
- 6. 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.
- 7.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.
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