



New York City
Firefighters' Variable Supplements Fund
Performance Overview as of June 30, 2013

Total Fund Overview

New York City Firefighters' Variable Supplements Fund

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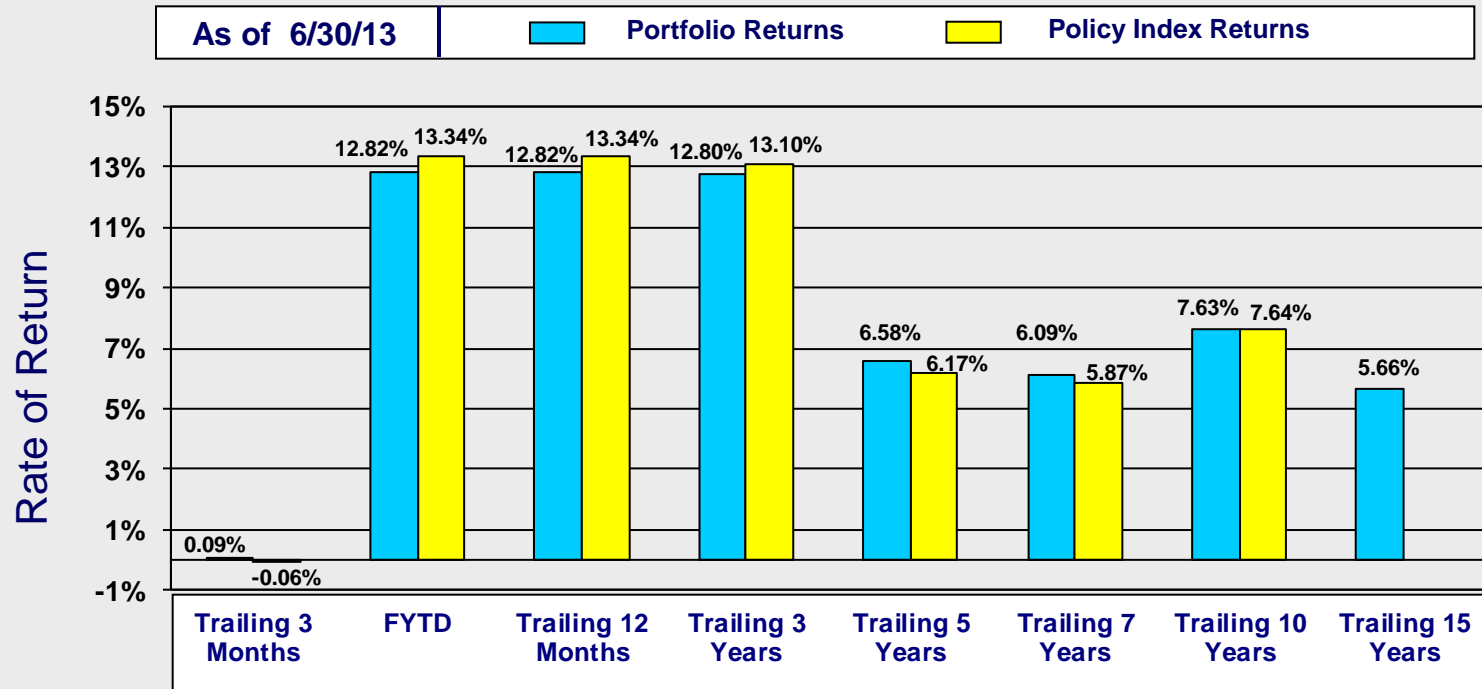


Appendix



Total Portfolio Returns: June 30, 2013

\$407M Under Management



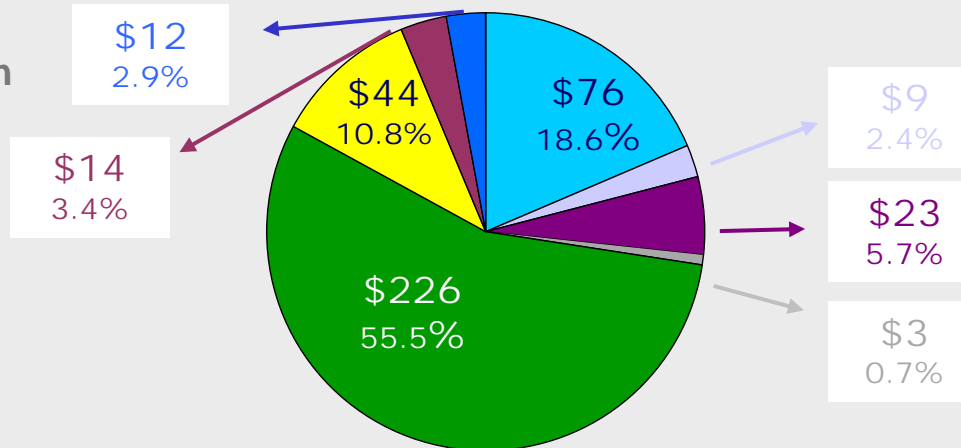
	3 Years	5 Years	7 Years	10 Years	15 Years
Plan Std Dev	10.3	13.9	12.5	11.0	11.6
Benchmark Std Dev	10.4	14.8	13.3	11.6	****

All returns in the report are Gross, unless stated otherwise.

Portfolio Asset Allocation: June 30, 2013

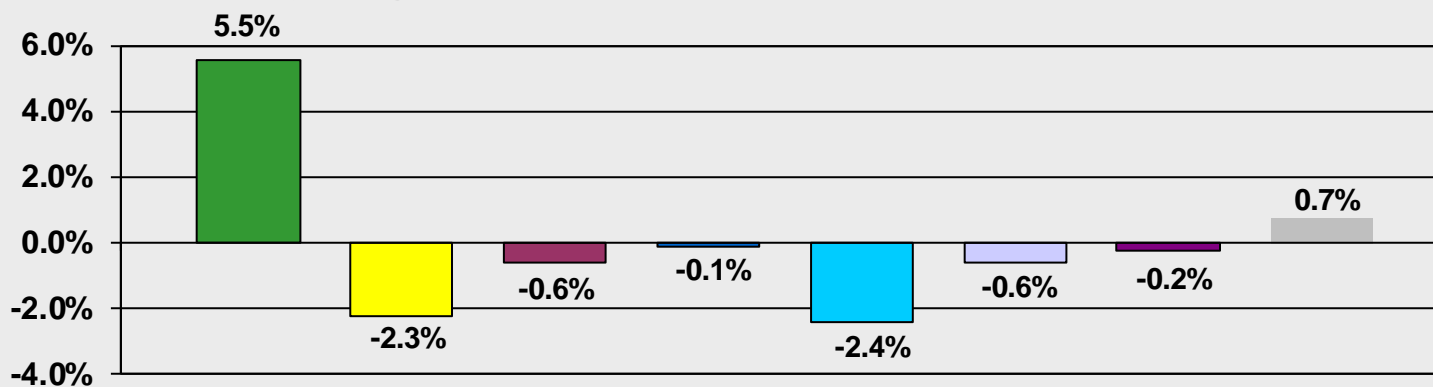
\$407M Under Management

Asset Allocation

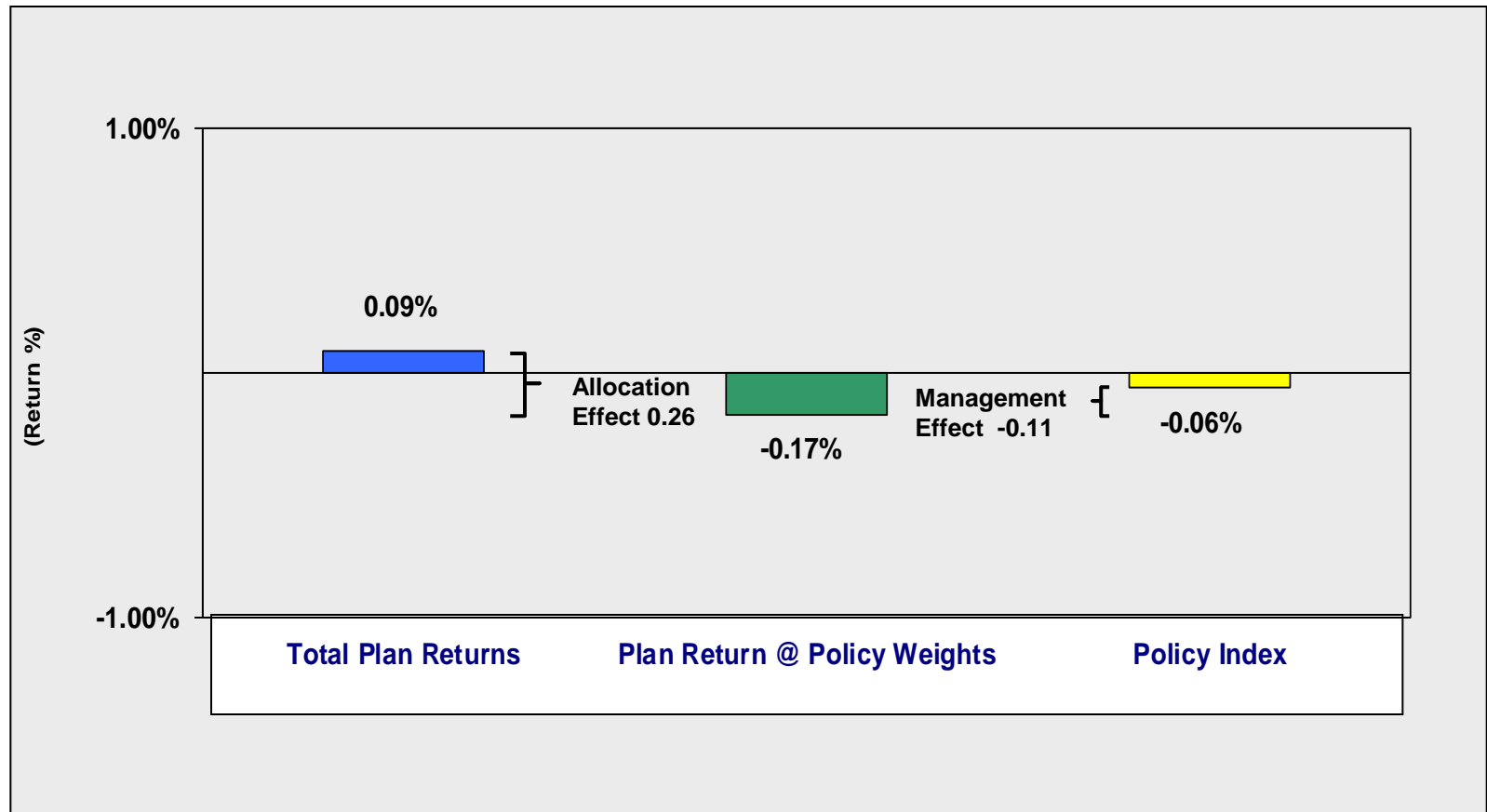


Domestic Equity EAFE Mkts Emerg Mkts REITS Core + 5 TIPS Enhanced Yield Cash

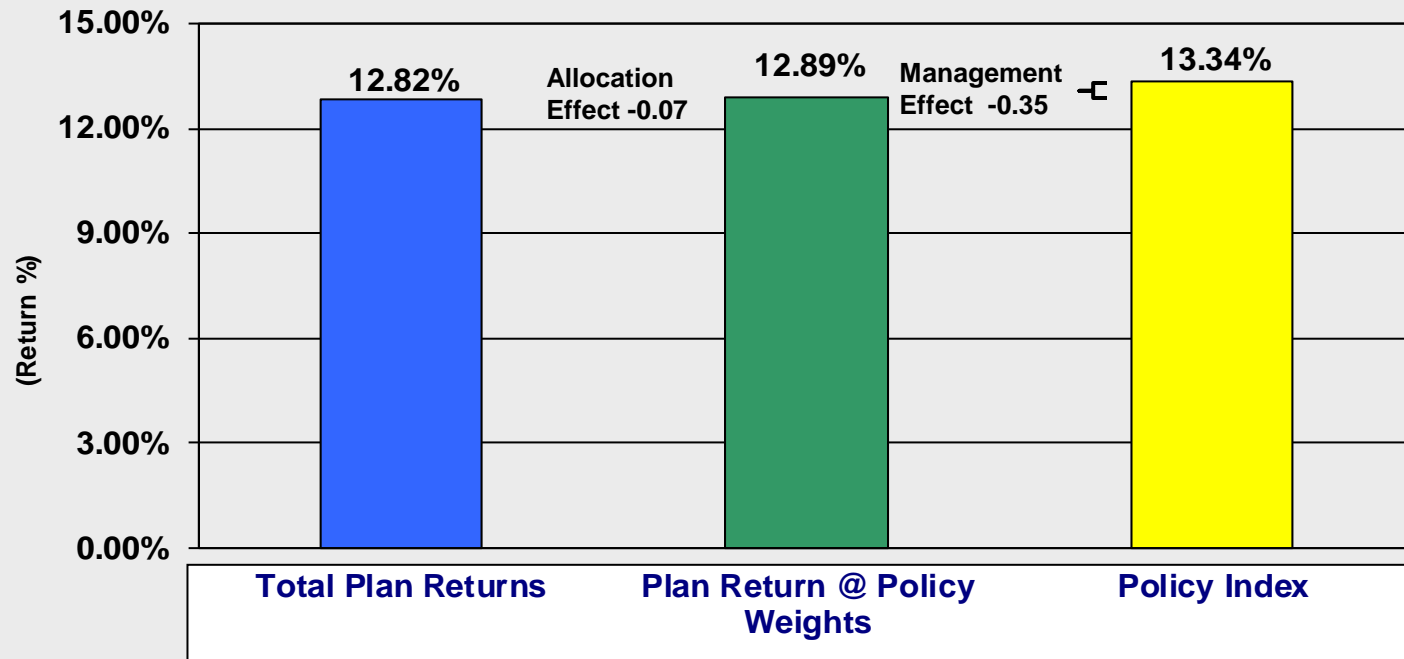
Relative Mix to Policy Weights



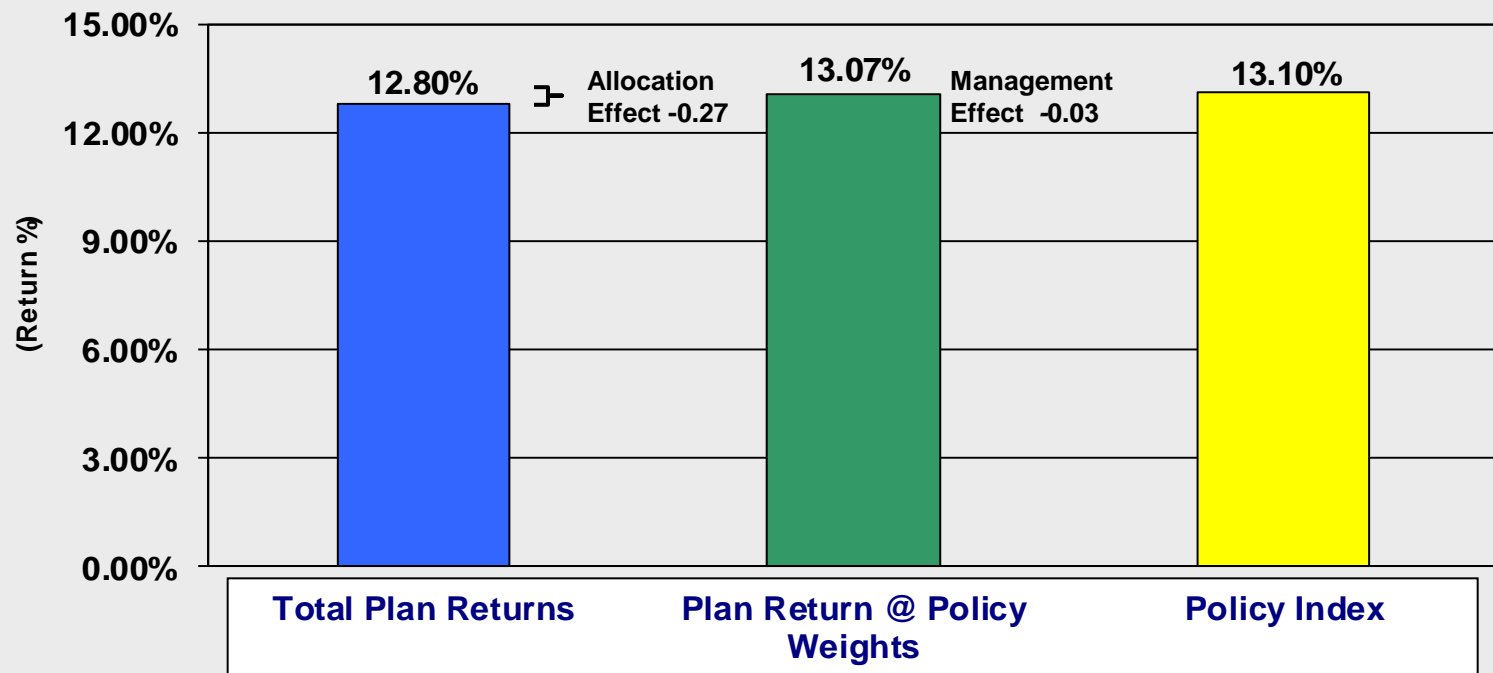
Performance Attribution: Total Plan – Quarter Ending June 30, 2013



Performance Attribution: Total Plan – 12 Months Ending June 30, 2013



Performance Attribution: Total Plan – 3 Years Ending June 30, 2013



Total Plan: June 30, 2013

Allocation Effect – Asset Class Breakdown

<u>Plan</u>	<u>Quarter</u>	<u>12 Months</u>	<u>3 Years</u>	<u>Benchmark</u>
Domestic Equity	0.13	0.11	-0.01	Russell 3000 Index
EAFE Markets	0.01	-0.27	-0.04	MSCI EAFE Index
Emerging Markets	0.01	-0.04	-0.03	MSCI Emerging Markets FREE Index
REITS	-0.01	-0.05	0.03	DJ US Select Real Estate Securities Index
Domestic Fixed	0.09	0.20	-0.07	NYC Core +5 Index
Enhanced Yield	0.00	0.00	-0.01	Citigroup BB&B Index
TIPS	0.03	0.08	0.01	Barclays Capital US TIPS Index
State Street Short Term	0.00	-0.19	-0.18	Total Plan

Note: Detailed effects may not add up to total due to reallocation and trading effects.

Total Plan: June 30, 2013

Management Effect – Asset Class Breakdown

<u>Plan</u>	<u>Quarter</u>	<u>12 Months</u>	<u>3 Years</u>	<u>Benchmark</u>
Domestic Equity	0.00	-0.04	-0.02	Russell 3000 Index
EAFE Markets	-0.04	-0.47	-0.07	MSCI EAFE Index
Emerging Markets	-0.04	-0.06	-0.01	MSCI Emerging Markets FREE Index
REITS	0.02	0.02	0.00	DJ US Real Estate Securities Index
Domestic Fixed	0.03	0.18	0.09	NYC Core +5 Index
Enhanced Yield	0.00	0.01	-0.01	Citigroup BB&B Index
TIPS	-0.01	0.01	0.00	Barclays Capital US TIPS Index

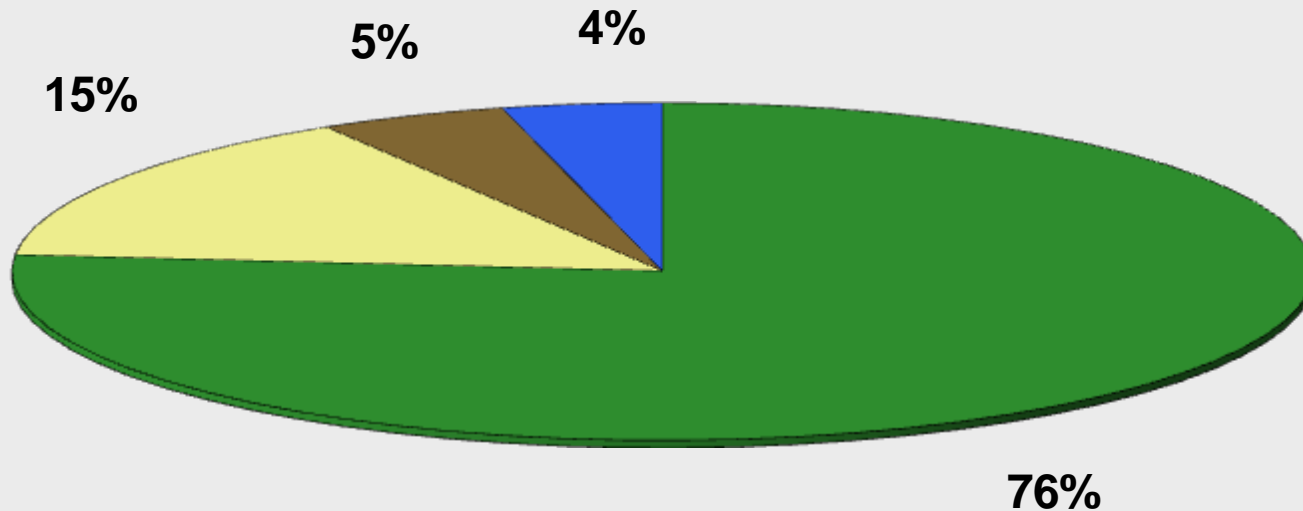
New York City Firefighters' Variable Supplements Fund

Equity Analysis

Total Equity Asset Allocation: June 30, 2013

\$295M Under Management, **73%** of Total Funds

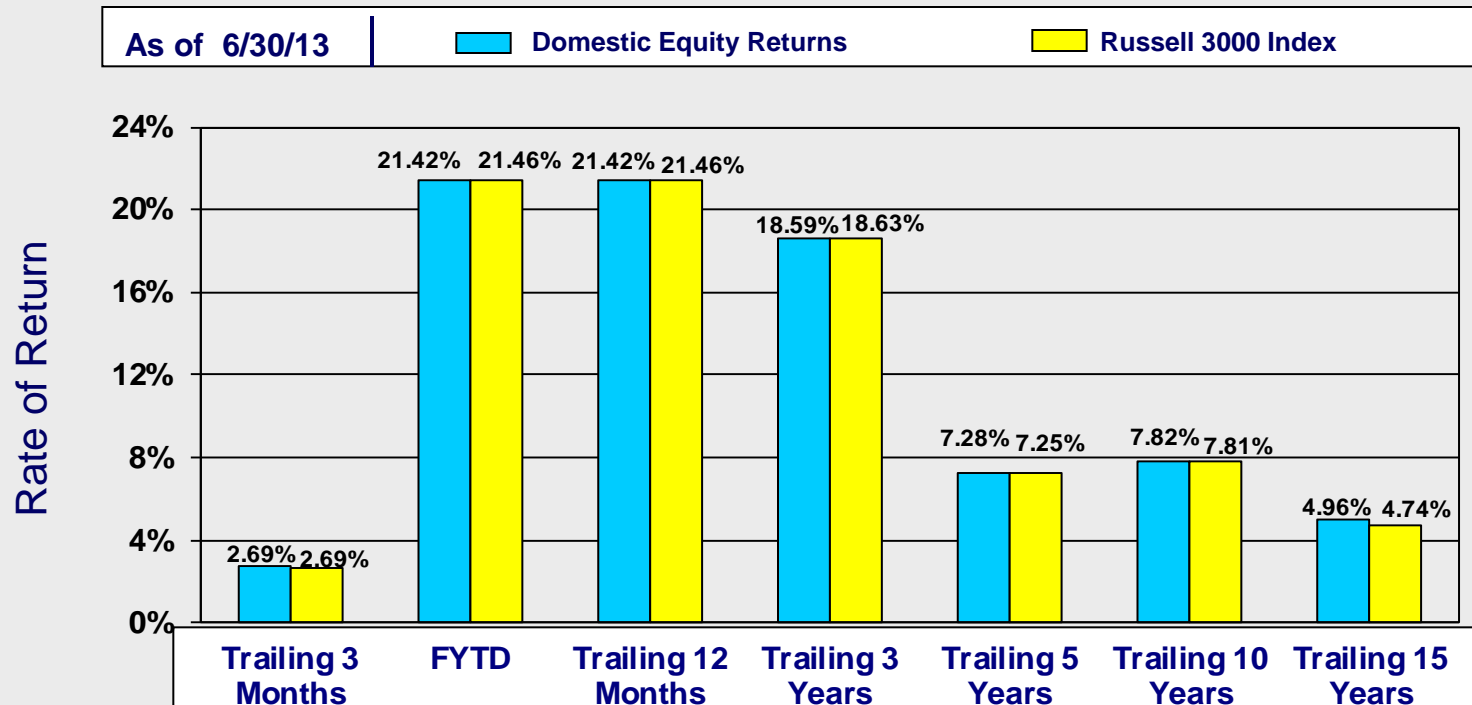
Asset Allocation by Groups



■ Domestic Equity ■ EAFE Mkts ■ Emerg Mkts ■ REITS

Total Domestic Equity Returns vs Russell 3000 Index

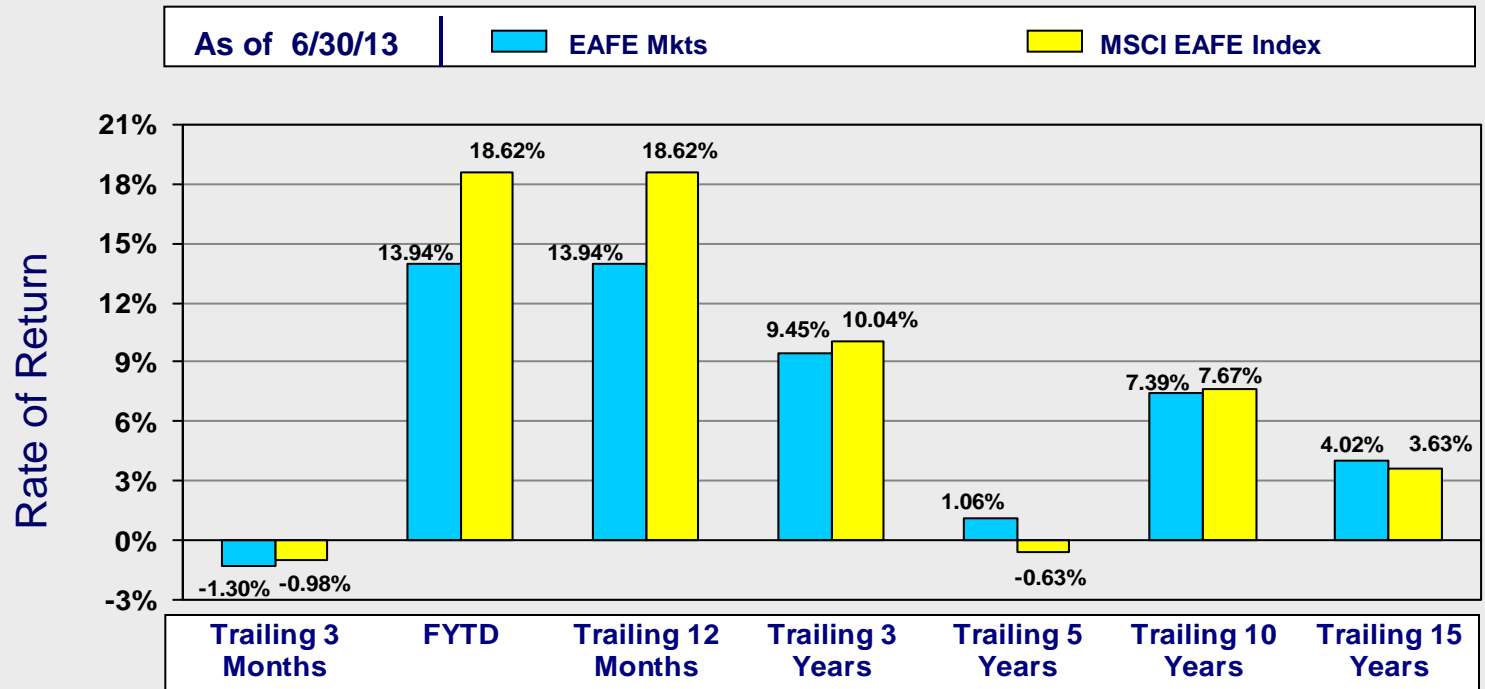
\$226M Under Management, **56%** of Total Funds



	3 Years	5 Years	10 Years	15 Years
Plan Std Dev	14.6	19.7	15.7	16.5
Benchmark Std Dev	14.0	19.0	15.1	16.5

EAFE Markets Returns vs MSCI EAFE Index

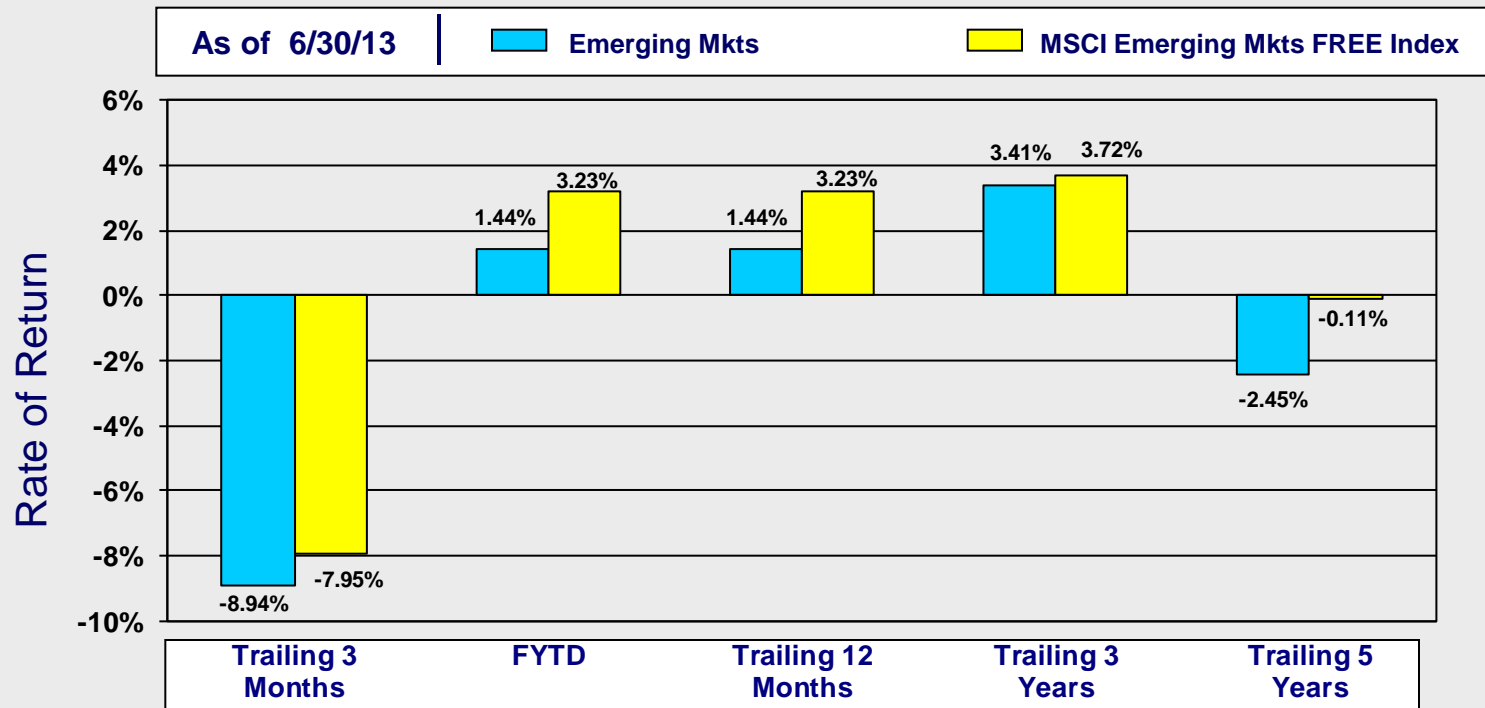
\$44M Under Management, **11%** of Total Funds



	3 Years	5 Years	10 Years	15 Years
Plan Std Dev	17.5	21.3	17.2	17.4
Benchmark Std Dev	18.1	22.8	18.1	17.9

Emerging Markets' Returns vs MSCI Emerging Markets Index

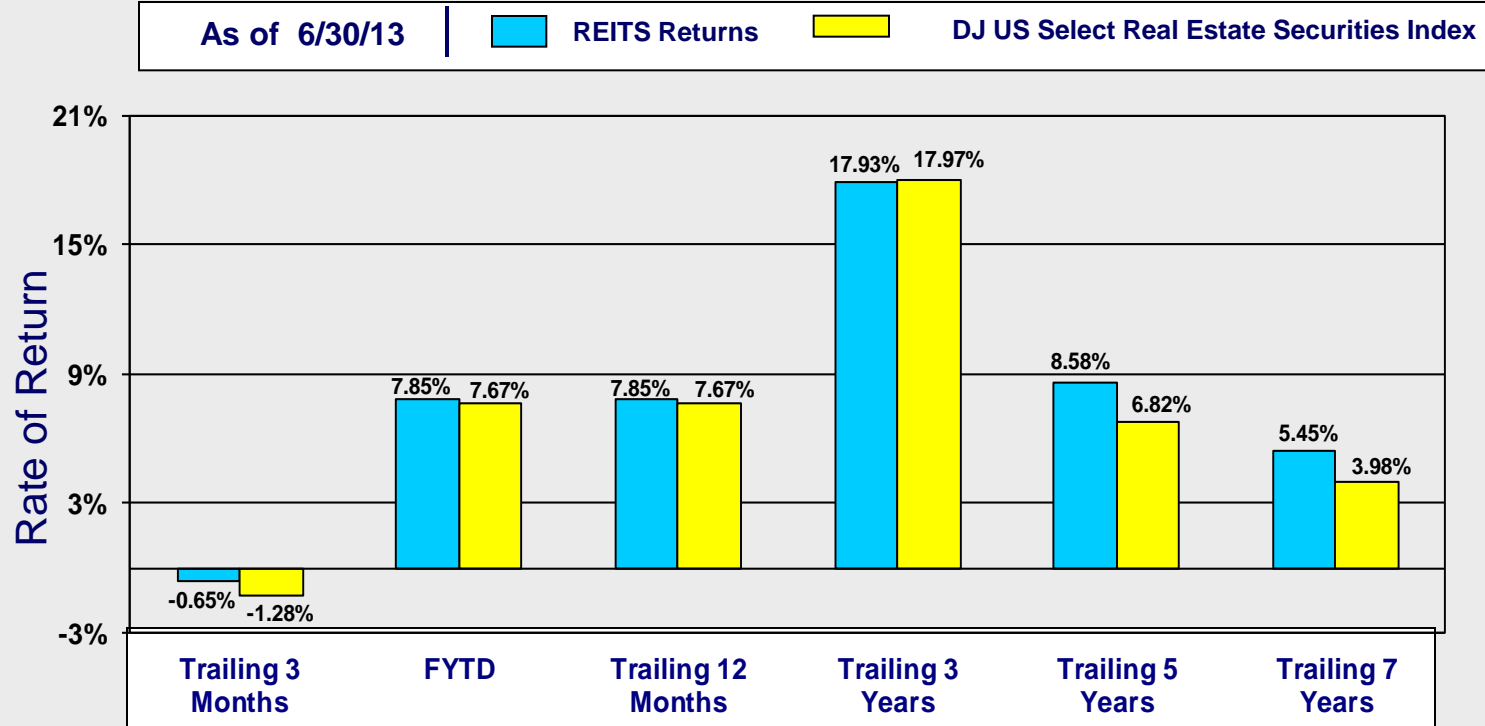
\$14M Under Management, **3%** of Total Funds



	3 Years	4 Years	5 Years
Plan Std Dev	21.4	21.3	27.9
Benchmark Std Dev	20.6	20.4	27.5

REITS Returns vs DJ US Select Real Estate Securities Index

\$12M Under Management, **3%** of Total Funds



	3 Years	4 Years	5 Years	7 Years
Plan Std Dev	17.1	19.2	31.8	28.8
Benchmark Std Dev	16.9	19.4	33.4	30.1

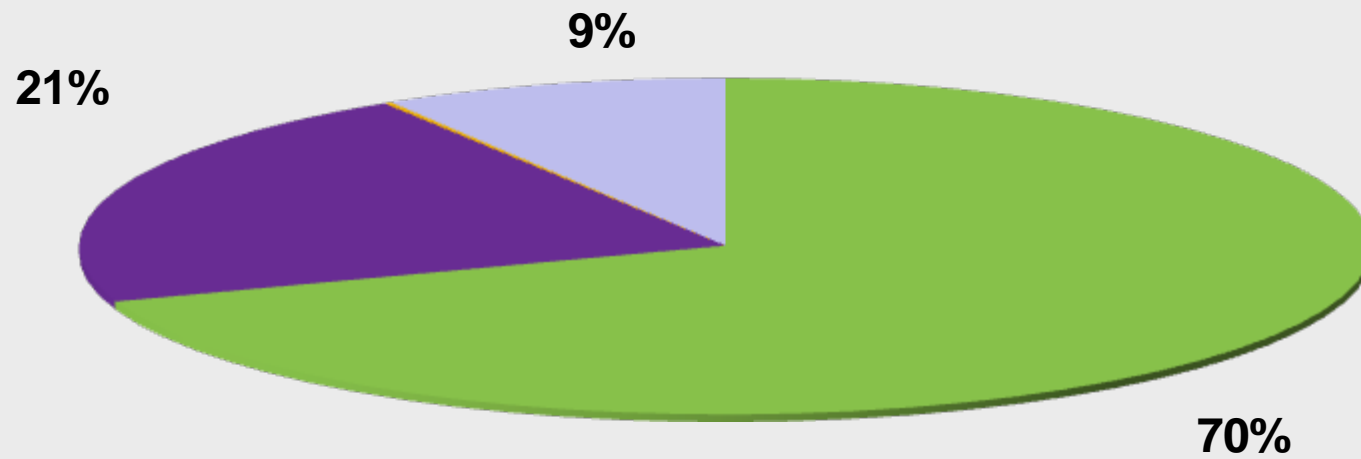
New York City
Firefighters' Variable Supplements Fund

Fixed Income Analysis

Total Fixed Income Asset Allocation: June 30, 2013

\$109M Under Management, **27%** of Total Funds

Asset Allocation by Groups



■ Structured Fixed Income

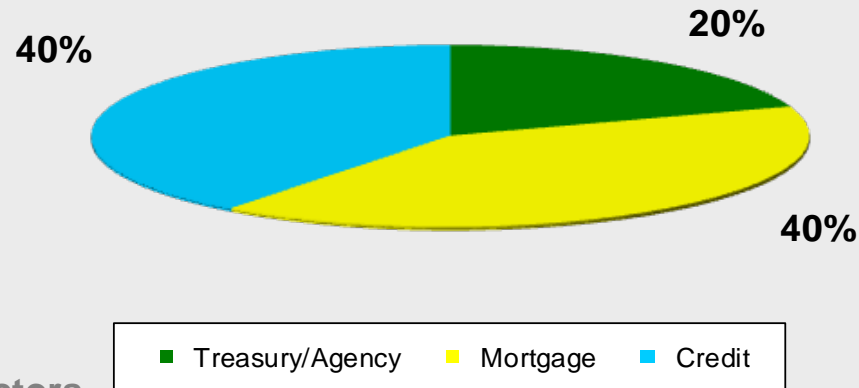
■ Enhanced Yield

■ TIPS Managers

Structured Fixed Income Asset Allocation: Quarter Ending June 30, 2013

\$76M Under Management , **19%** of Total Funds

Asset Allocation by Groups



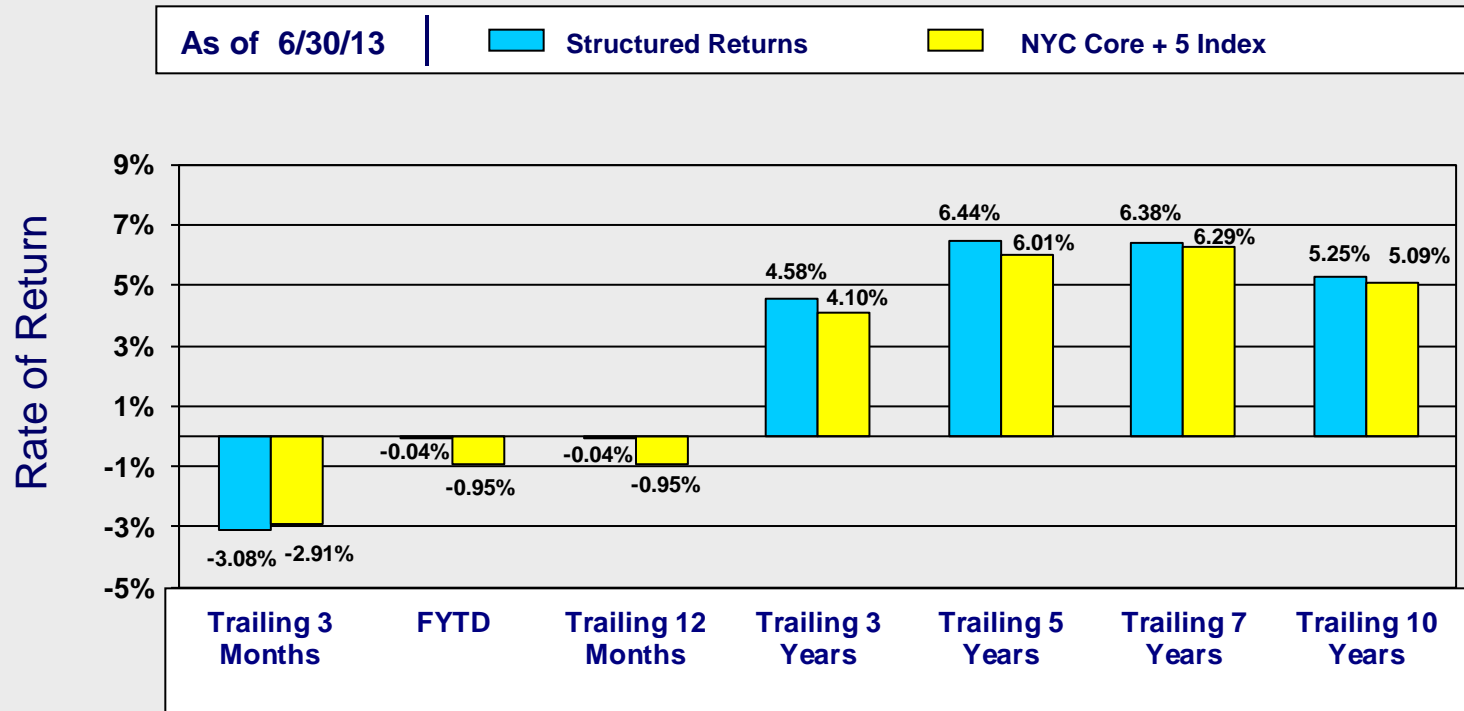
Value Added by Sectors

Sub Sector	Policy Weight	Actual Weight	Under/Over Weight	Index Return	Actual Return	Difference	Contribution to Out/Under Performance	
							Allocation	Management
Government	18.63	19.76	1.13	-4.33	-4.35	-0.02	-0.01	-0.01
Mortgage	40.04	40.56	0.52	-1.98	-2.26	-0.29	0.00	-0.11
Credit	41.33	39.69	-1.64	-3.13	-3.25	-0.13	0.01	-0.07

*NYC Core +5 Breakdown

Structured Returns vs NYC Core + 5 Index

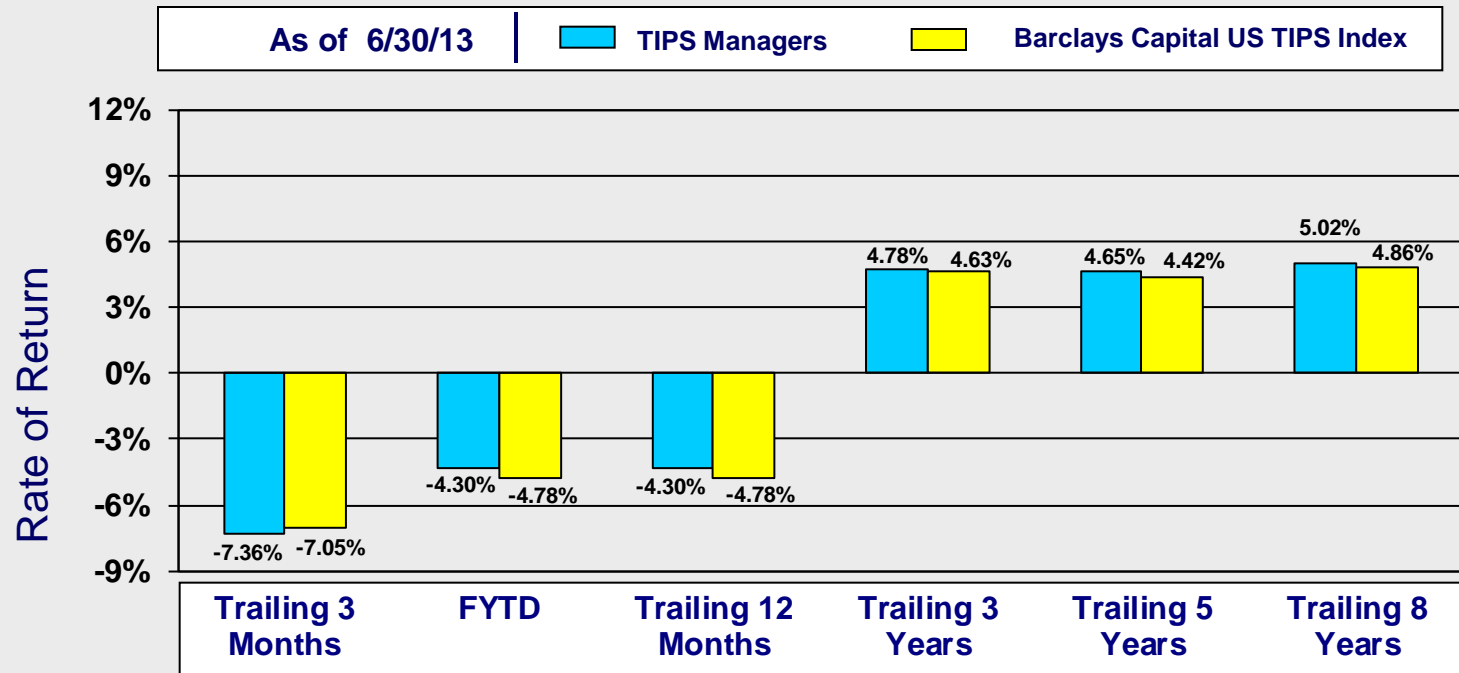
\$76M Under Management, **19%** of Total Funds



	3 Years	5 Years	7 Years	10 Years
Plan Std Dev	3.3	4.4	4.0	4.2
Benchmark Std Dev	3.5	4.6	4.2	4.3

TIPS Returns vs Barclays Capital US TIPS Index

\$10M Under Management, **2%** of Total Funds



	3 Years	5 Years	8 Years
Plan Std Dev	5.5	7.7	6.9
Benchmark Std Dev	5.5	7.5	6.7

Enhanced Yield Returns vs Citigroup BB & B Index & Citigroup BB & B Capped Index

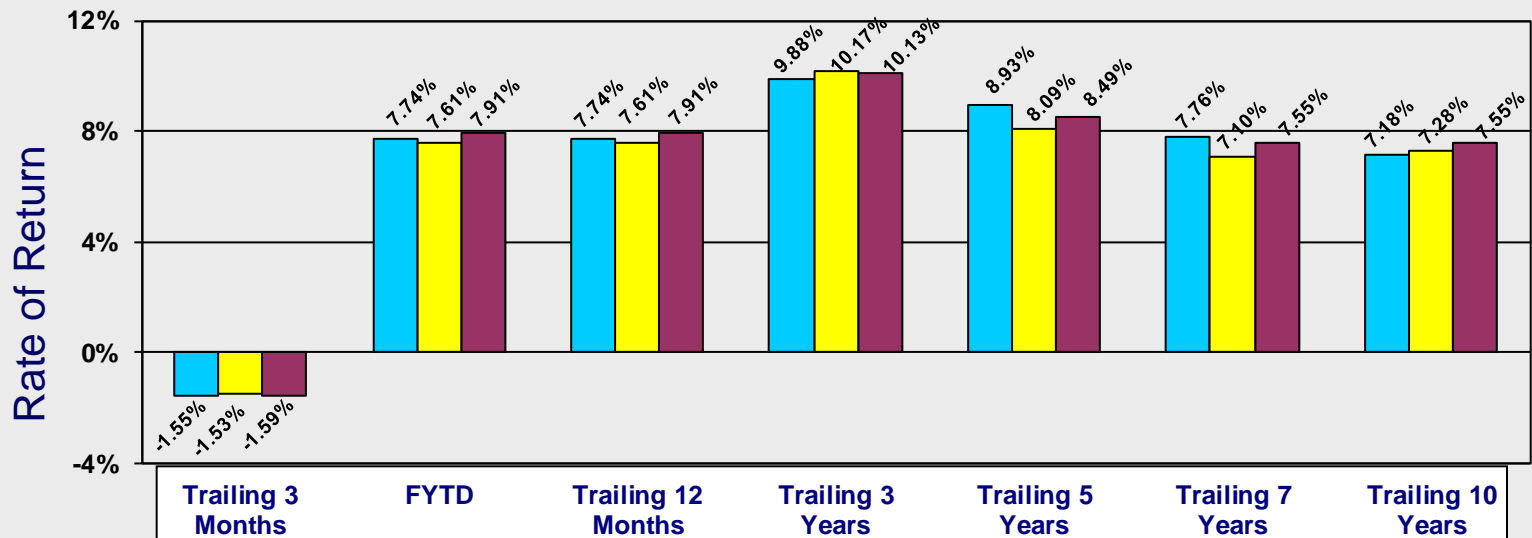
\$23M Under Management, **6%** of Total Funds

As of 6/30/13

Enhanced Yield

Citigroup BB& B Index

Citigroup BB& B Capped Index



	3 Years	5 Year	7 Years	10 Years
Plan Std Dev	6.5	10.7	9.4	8.2
Citigroup BB & B Std Dev	6.0	11.6	10.3	8.9
Citigroup BB & B Capped Std Dev	5.9	11.4	10.0	8.7

New York City Firefighters' Variable Supplements Fund

Appendix

Consolidated Performance Report

Through June 30, 2013

Assets (\$MM)	% Total		3 Mos Apr-13 Jun-13	YTD Jan-13 Jun-13	1 Yr Jul-12 Jun-13	3 Yrs Jul-10 Jun-13	5 Yrs Jul-08 Jun-13	10 Yrs Jul-03 Jun-13	15 Yrs Jul-98 Jun-13
EQUITY MANAGEMENT									
225.98	55.54	BLACKROCK R3000	2.69	14.03	21.42	18.59	****	****	****
225.98	55.54	TOTAL DOMESTIC EQUITY	2.69	14.03	21.42	18.59	7.28	7.82	4.96
		RUSSELL 3000	2.69	14.06	21.46	18.63	7.25	7.81	4.74
INTERNATIONAL EQUITY									
DEVELOPED MARKETS									
43.69	10.74	THORNBURG	-1.26	1.30	14.01	9.47	1.05	****	****
43.69	10.74	TOTAL DEVELOPED MARKETS	-1.30	1.27	13.94	9.45	1.06	7.39	4.02
		MSCI EAFE (NET DIVIDEND)	-0.98	4.10	18.62	10.04	-0.63	7.67	3.63
		INTERNATIONAL EQUITY MEDIAN	-0.79	3.70	18.04	10.72	0.85	9.13	6.21
EMERGING MARKETS									
13.86	3.41	STATE STREET	-8.94	-10.98	1.44	3.41	-2.45	****	****
13.86	3.41	TOTAL EMERGING MARKETS	-8.94	-10.98	1.44	3.41	-2.45	****	****
		MSCI EMERGING MARKETS FREE	-7.95	-9.40	3.23	3.72	-0.11	****	****
		EMERGING MARKETS MEDIAN	-7.40	-7.34	5.37	5.63	1.73	****	****
57.55	14.14	TOTAL INTERNATIONAL EQUITY	-3.25	-1.95	10.67	7.87	0.16	8.24	****
REAL ESTATE EQUITY SECURITIES									
11.74	2.89	MORGAN STANLEY	-0.65	4.95	7.85	17.93	8.58	****	****
11.74	2.89	TOTAL REAL ESTATE EQUITY SECURITIES	-0.65	4.95	7.85	17.93	8.58	****	****
		DJ US SELECT REAL ESTATE SECURITIES	-1.28	5.68	7.67	17.97	6.82	****	****
295.27	72.57	TOTAL EQUITY-PUBLIC & PRIVATE	1.34	10.06	18.23	16.24	5.82	8.19	****

Consolidated Performance Report

Through June 30, 2013

Assets (\$MM)	% Total		3 Mos Apr-13 Jun-13	YTD Jan-13 Jun-13	1 Yr Jul-12 Jun-13	3 Yrs Jul-10 Jun-13	5 Yrs Jul-08 Jun-13	10 Yrs Jul-03 Jun-13	15 Yrs Jul-98 Jun-13
		FIXED INCOME MANAGEMENT							
		GOVERNMENT							
14.95	3.67	PIMCO -GOVT	-4.35	-4.67	-3.78	5.31	****	****	****
14.95	3.67	ALL GOVT-FIRE FIGHTERS	-4.35	-4.67	-3.78	5.31	6.81	5.59	5.59
		NYC - TREASURY AGENCY PLUS FIVE	-4.33	-5.05	-4.52	5.11	6.61	5.46	5.46
		MORTGAGE							
30.66	7.53	PIMCO -MORT	-2.26	-2.30	-0.99	2.66	****	****	****
30.66	7.53	ALL MORTGAGE-FIRE FIGHTERS	-2.26	-2.30	-0.99	2.71	4.68	4.52	****
		CITIGROUP MORTGAGE INDEX	-1.98	-2.02	-1.15	2.51	4.91	4.75	****
		CREDIT							
30.01	7.38	TAPLIN, CANADA -CREDIT	-3.25	-3.14	3.31	6.59	7.95	5.47	****
30.01	7.38	ALL INVESTMENT GRADE CREDIT-FIRE FIGHTERS	-3.25	-3.14	3.31	6.59	7.75	5.56	****
		NYC - INVESTMENT GRADE CREDIT	-3.13	-3.48	1.19	5.37	6.73	5.01	****
75.61	18.58	TOTAL STRUCTURED	-3.08	-3.11	-0.04	4.58	6.44	5.25	****
		NYC - CORE PLUS FIVE	-2.91	-3.21	-0.95	4.10	6.01	5.09	****
		ACTIVE TIPS MANAGERS							
9.65	2.37	PIMCO-TIPS-MTA	-7.36	-7.31	-4.30	4.78	4.65	****	****
9.65	2.37	TOTAL ACTIVE TIPS MANAGERS	-7.36	-7.31	-4.30	4.78	4.65	****	****
		BARCLAYS GLOBAL US TIPS INDEX	-7.05	-7.39	-4.78	4.63	4.42	****	****

Consolidated Performance Report

Through June 30, 2013

Assets (\$MM)	% Total		3 Mos Apr-13 Jun-13	YTD Jan-13 Jun-13	1 Yr Jul-12 Jun-13	3 Yrs Jul-10 Jun-13	5 Yrs Jul-08 Jun-13	10 Yrs Jul-03 Jun-13	15 Yrs Jul-98 Jun-13
		ENHANCED YIELD							
23.37	5.74	T ROWE PRICE	-1.55	1.29	****	****	****	****	****
23.37	5.74	ALL ENHANCED YIELD	-1.55	1.29	7.74	9.88	8.93	7.18	****
		CITIGROUP BB & B	-1.53	0.34	7.61	10.17	8.09	7.28	****
		CITIGROUP BB & B CAPPED	-1.59	0.75	7.91	10.13	8.49	7.55	****
		ENHANCED YIELD MEDIAN	-1.42	1.26	9.30	10.45	9.91	8.32	****
108.83	26.75	TOTAL FIXED INCOME	-3.15	-2.59	1.01	5.41	6.80	5.57	6.00
0.20	0.05	STATE STREET SHORT TERM	-0.04	0.00	0.13	0.67	0.49	1.58	2.91
0.02	0.01	BNY - CD	****	****	****	****	****	****	****
2.75	0.68	SECURITIES LENDING	****	****	****	****	****	****	****
406.88	100.00	TOTAL FIREFIGHTERS	0.09	6.19	12.82	12.80	6.58	7.63	5.66
		FIREFIGHTERS POLICY BENCHMARK	-0.06	6.27	13.34	13.10	6.17	7.64	****

Securities Lending Income

Through June 30, 2013

	U.S. <u>FIXED INCOME</u>	U.S. <u>EQUITY</u>	INTERNATIONAL <u>EQUITY</u>
2001	73,000	57,000	- 0 -
2002	34,000	36,000	- 0 -
2003	22,000	48,000	59,000
2004	45,000	93,000	45,000
2005	76,000	147,000	61,000
2006	79,000	192,000	63,000
2007	164,000	293,000	51,000
2008	451,000	492,000	65,000
2009	123,000	231,000	45,000
2010	49,000	204,000	31,000
2011	62,000	211,000	51,000
2012	60,000	201,000	36,000
2013 (3 months)	7,000	54,000	6,000

Footnotes

Through June 30, 2013

- Effective 4/1/03 the name of the Core +5 benchmark index provider was changed from Salomon to Citigroup.
- Effective 7/1/09, the Core+5 program was restructured.
 - The U.S. Gov't sector benchmark Index was changed from the Citigroup Core+5 Treasury/Gov't Sponsored Index to the Citigroup Core+5 Treasury/Agency Index.
 - The Corporate and Yankee sectors were combined to form the new Investment Grade Credit sector. The benchmark for the new combined sector is the customized Citigroup Credit Index. For historical performance purposes, the old Corporate sector Index is linked to the new Credit sector Index.
 - There were no changes to the Mortgage sector Index.
 - The total Core+5 results and benchmark returns combine the three sectors. Historical total Core+5 returns continue to include the old Corporate and Yankee sector returns.

Glossary of Terms

Through June 30, 2013

General Notes

- All Returns are Gross of investment advisory fees unless otherwise indicated.

Page Specific

Page 4 - Portfolio Asset Allocation

- Rebalancing Ranges: the minimum and maximum weights that actual Asset Allocation may reach before rebalancing between Asset Classes is necessary.

Page 5 - Performance Attribution: Total Plan

- Plan Return at Policy Weights: the return of the Total Plan assuming actual Asset Class results were maintained at target (Adjusted Policy) weights. Figure = (Return of Asset Class 1* Target Weight) plus (Return Of Asset Class 2* Target Weight) plus (.....)
- **Allocation Effect** = Total Plan Return minus Plan Return at Adjusted Policy Weights.
- **Management Effect** = Custom Benchmark (Adjusted Policy Index) Return minus Plan Return at Adjusted Policy Weights
This illustrates how the Managers have added or removed value based on their Security Selection decisions.
- **Policy Index = Custom Benchmark**
The “policy index” is a custom benchmark representing the weighted average return of the benchmark indexes for each major investment program. Weights may reflect an adjustment of actual policy for outstanding commitments for new or revised programs, such as for private market programs, which are invested gradually, or for any new or updated program requiring the completion of RFPs and contracts. The policy index/custom benchmark is calculated monthly based on adjusted policy weights at the beginning of each month. The indexes and most recent adjusted policy weights are as follows:
U.S. Equity: Russell 3000 * 50%
International Developed (EAFE) Markets: MSCI EAFE * 13%
International Emerging Markets: MSCI Emerging Markets * 4%
REITs: DJ US Select Real Estate Securities Index * 3%
Domestic Fixed Income: NYC Core +5 * 21%
TIPS: Barclays Capital U.S. TIPS * 3%
Enhanced Yield: Citigroup BB&B * 6%

Glossary of Terms

Through June 30, 2013

Page 9 - Management Effect - Asset Class Breakdown

- This chart aims to break down the Management Effect shown on the Performance Attribution pages. The aim of the Page is to show the asset classes where Managers are either out performing or under performing their benchmark and to show the basis point effect that this is having on Plan performance.

Page 18– Structured Fixed Income Asset Allocation

- **Value Added By Sectors:** This disaggregates out-performance or under-performance by Asset Allocation and Management Effect.
- **Implied Policy** = Retirement's System Asset Allocation.
- **Implied Return** = Benchmark Return
- **Allocation** = the Contribution to Performance resulting from an overweight or underweight to an asset class. *E.g. an underweight to an Asset Class that under-performs rests in a positive Allocation Effect and vice versa.*
- **Management** = Contribution to Performance from security selection versus the Benchmark, e.g., *If the managers Actual Returns are higher than the Implied Return there will be a positive Management Effect.*