

# New York City Board of Education Retirement System

Performance Overview as of June 30, 2010

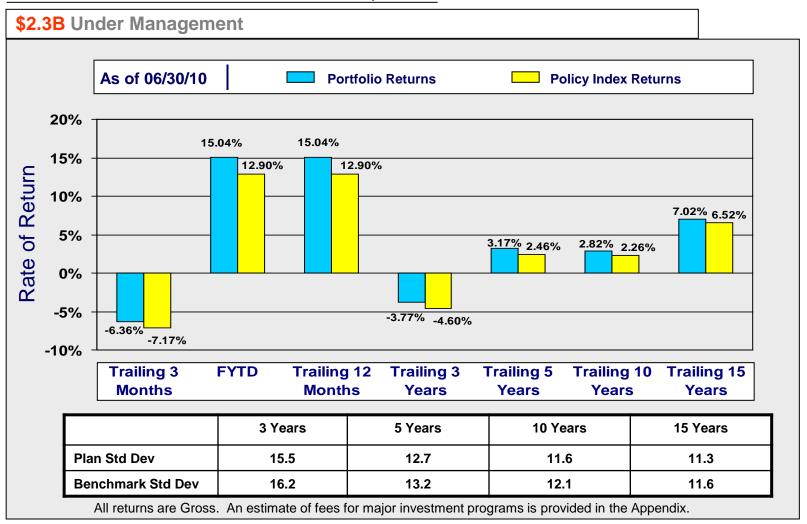
# **Total Fund Overview**

# New York City Board of Education Retirement System

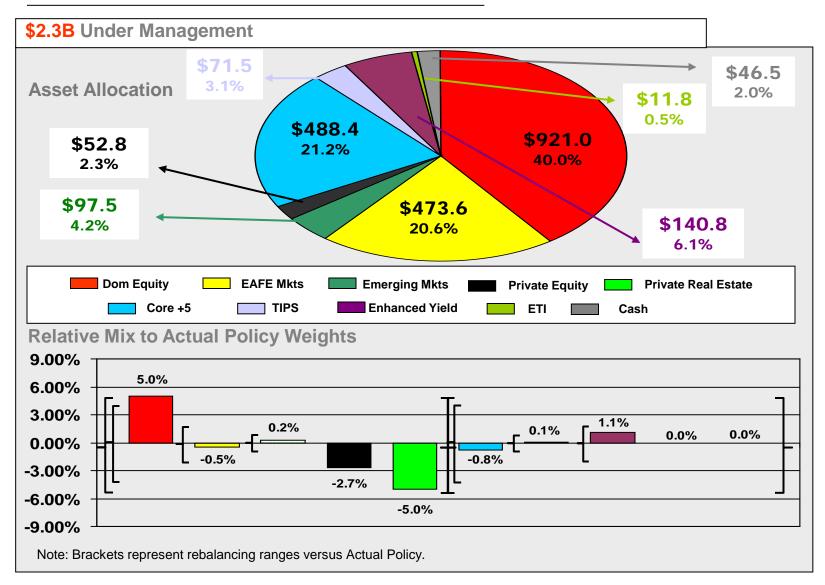
# **Table of Contents:**



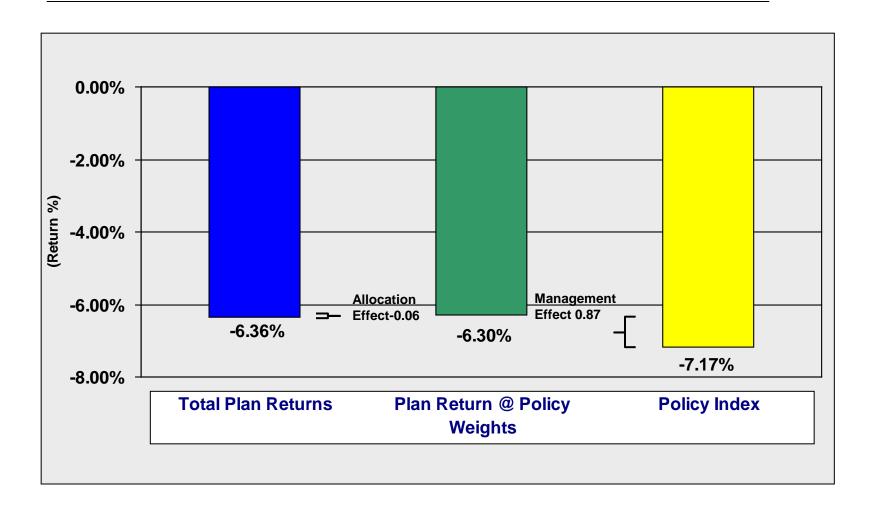
## **Total Portfolio Returns: June 30, 2010**



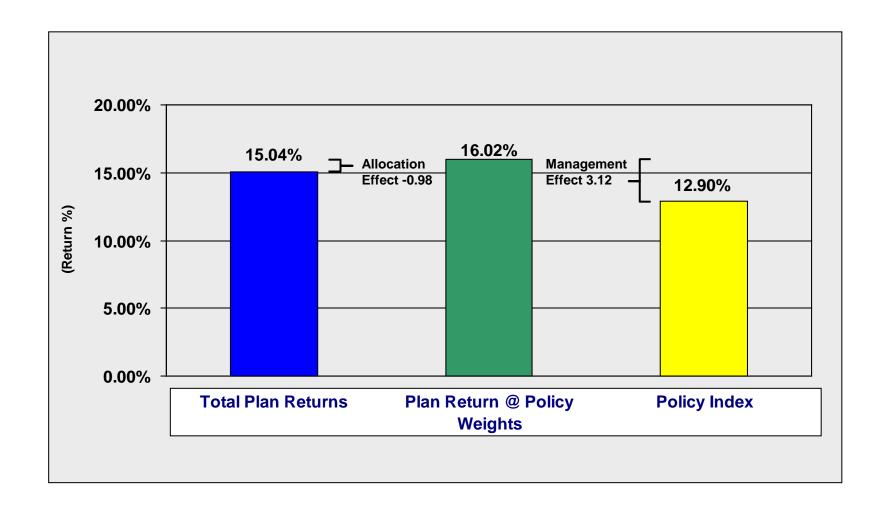
# Portfolio Asset Allocation: June 30, 2010



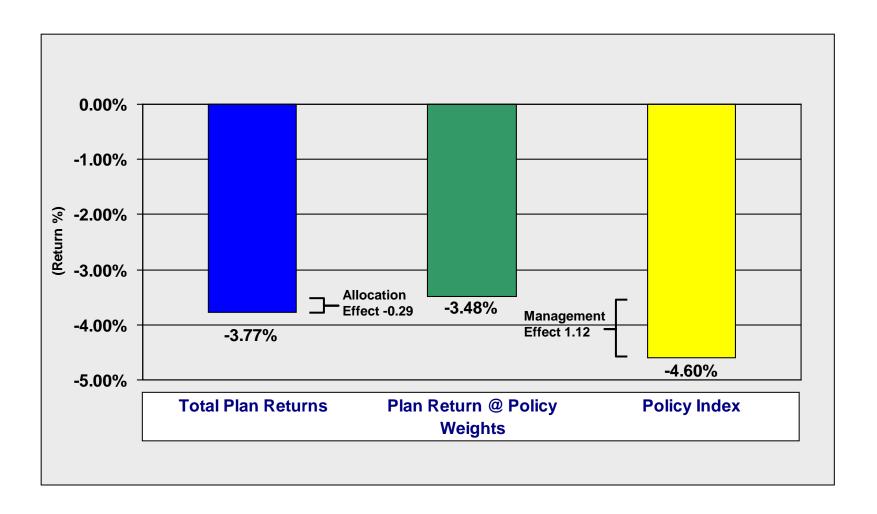
# Performance Attribution: Total Plan - Quarter Ending June 30, 2010



# **Performance Attribution: Total Plan – 12 Months Ending June 30, 2010**



# Performance Attribution: Total Plan – 3 Years Ending June 30, 2010



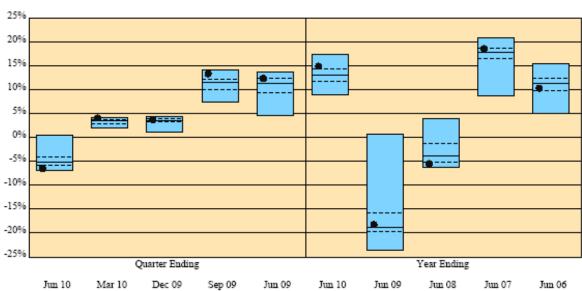
# **Total Plan - Quarter Ending June 30, 2010**

## **Management Effect – Asset Class Breakdown**

<u>Plan</u>	<u>Quarter</u>	12 Months	3 Years	<u>Benchmark</u>
Domestic Equity	0.07	-0.05	0.04	Russell 3000 Index
EAFE Markets	0.80	1.99	1.12	MSCI EAFE Index
Emerging Markets	-0.01	0.00	-0.13	MSCI Emerging Markets Index
Domestic Fixed	0.02	0.40	-0.03	NYC Core +5 Index
Enhanced Yield	-0.01	0.18	0.14	Citigroup BB&B Index
TIPS	0.01	0.01	0.01	Barclays Capital US TIPS Index
Private Equity	0.28	-0.08	-0.05	Russell 3000 Index + 500 b.p.

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

#### City of New York - Board of Education Total Returns of Public Fund Master Trusts > \$1Billion Recent Periods



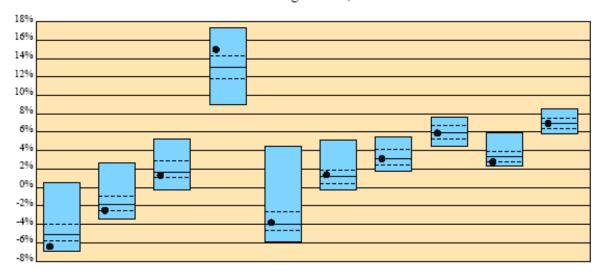
5th Percentile 25th Percentile Median 75th Percentile 95th Percentile

Total System

Jun 10	Mar 10	Dec 09	Sep 09	Jun 09	Jun 10	Jun 09	Jun 08	Jun 07	Jun 06
0.53	4.18	4.46	14.13	13.64	17.35	0.62	3.97	20.99	15.51
-4.00	3.72	3.87	12.31	12.34	14.30	-15.71	-1.28	18.74	12.33
-5.07	3.45	3.57	11.46	11.25	13.09	-18.84	-3.76	17.94	11.26
-5.82	2.95	3.23	10.04	9.36	11.78	-19.79	-5.15	16.48	9.80
-6.98	2.10	1.07	7.38	4.54	9.03	-23.60	-6.31	8.84	5.13

-6.36 (91) 4.19 (4) 3.90 (22) 13.49 (8) 12.52 (21) 15.04 (15) -18.13 (37) -5.35 (81) 18.74 (26) 10.45 (63)

#### City of New York - Board of Education Total Returns of Public Fund Master Trusts > \$1Billion Rates of Return for Periods Ending June 30, 2010



5th Percentile 25th Percentile Median 75th Percentile 95th Percentile

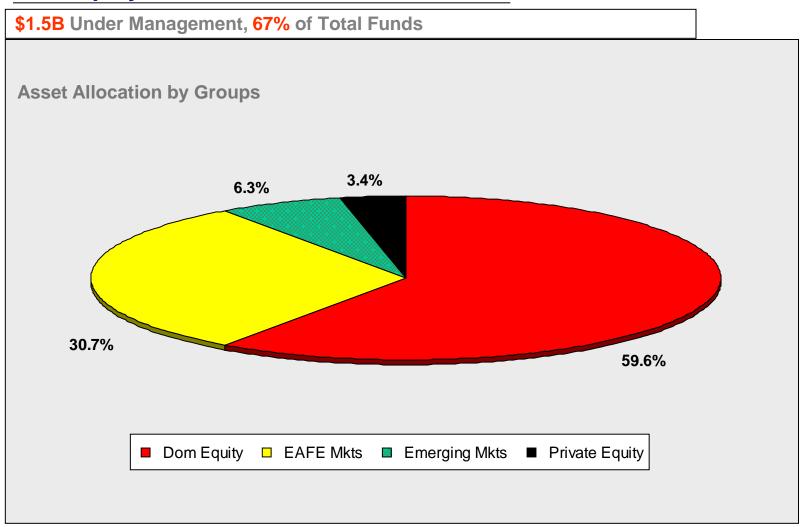
Total System

1 Quarter	2 Quarters	3 Quarters	1 Year	3 Years	4 Years	5 Years	7 Years	10 Years	15 Years
0.53	2.68	5.24	17.35	4.44	5.12	5.47	7.68	5.96	8.50
-4.00	-0.94	2.91	14.30	-2.63	1.92	4.09	6.68	3.87	7.51
-5.07	-1.81	1.68	13.09	-3.96	1.22	3.17	5.90	3.38	6.99
-5.82	-2.50	1.06	11.78	-4.64	0.42	2.46	5.25	2.77	6.42
-6.98	-3.45	-0.32	9.03	-5.96	-0.23	1.81	4.45	2.36	5.84
-6.36 (91)	) -2.44 (73)	1.36 (65)	15.04 (15)	-3.76 (46)	1.43 (43)	3.17 (50)	5.95 (46)	2.83 (73)	7.02 (45

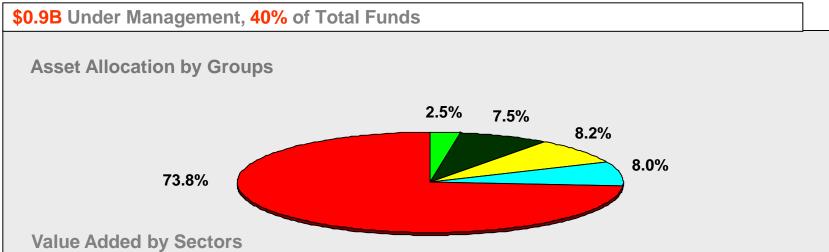
# New York City Board of Education Retirement System

# **Equity Analysis**

# **Total Equity Asset Allocation: June 30, 2010**



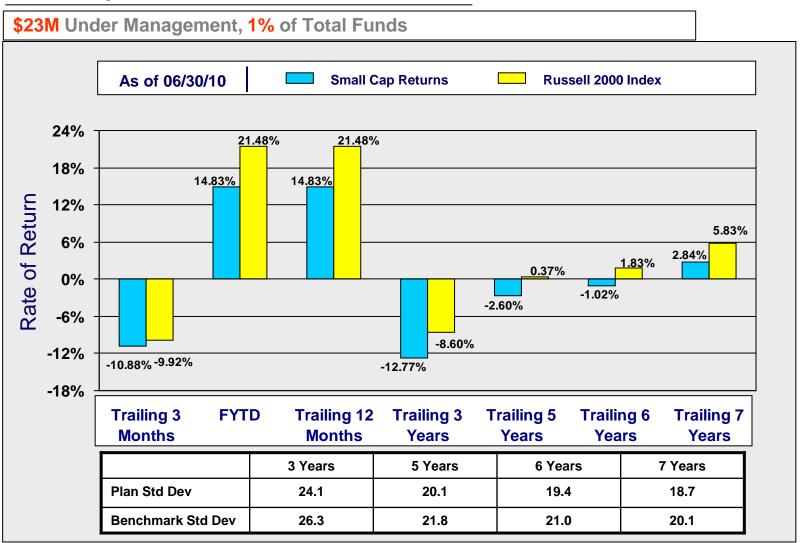
# **Total Domestic Equity Asset Allocation: Quarter Ending June 30, 2010**



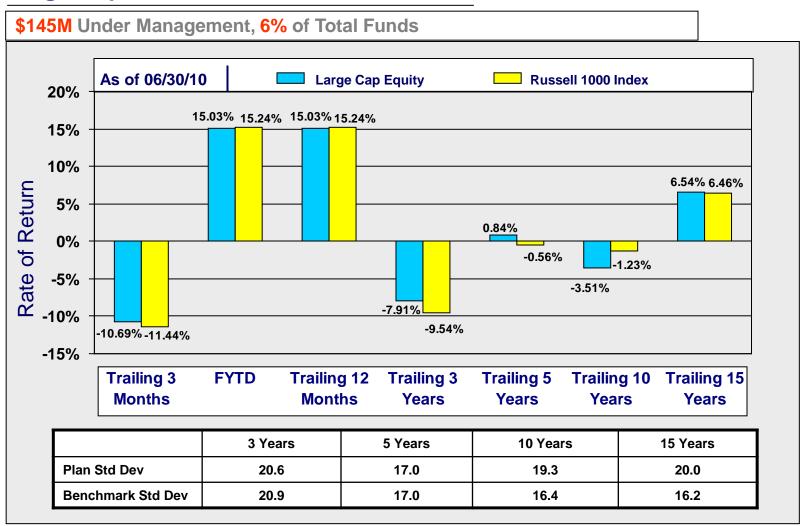
■ SMALL CAP CORE	■ LARGE CAP VALUE	□ LARGE CAP GROWTH
■ EMERGING MANAGERS	■ RUSSELL 3000 INDEX FUND	

Sub Sector	Policy Weight	Actual Weight	Under/Over Weight	Index Return	Actual Return	Difference			
	o.g			rtotaini	rtotam		Allocation	Management	
Mid Cap Value	2.00	0.00	-2.00				-0.04	0.00	
Small Cap Core	2.83	2.50	-0.33	-9.92	-10.40	-0.48	0.04	-0.04	
Small/Mid Cap	2.67	0.00	-2.67				-0.05	0.00	
Emerging Managers	7.50	7.98	0.48	-11.32	-11.18	0.14	0.00	0.01	
Large Cap Value	7.50	7.54	0.04	-11.15	-10.40	0.75	0.00	0.05	
Large Cap Growth	7.50	8.22	0.72	-11.75	-10.95	0.80	0.00	0.07	
Russell 3000 Index Fund	70.00	73.75	3.75	-11.32	-11.26	0.06	0.00	0.04	

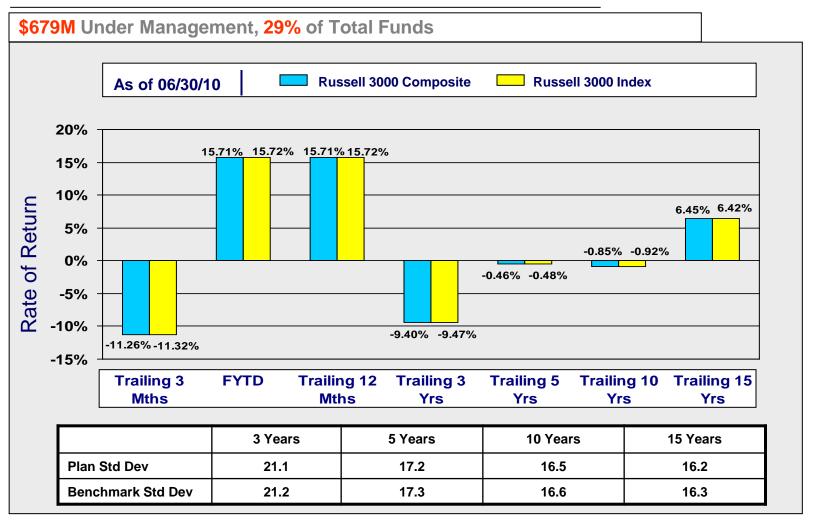
## **Small Cap Returns vs Russell 2000 Index**



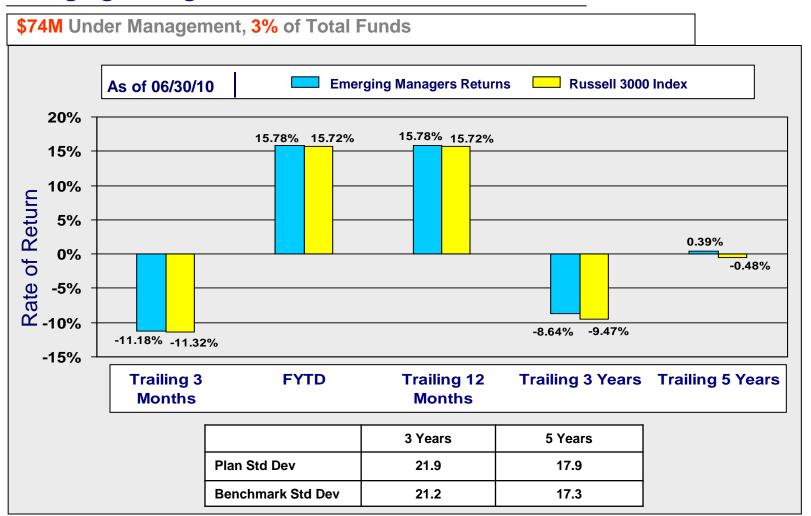
# **Large Cap Returns vs Russell 1000 Index**



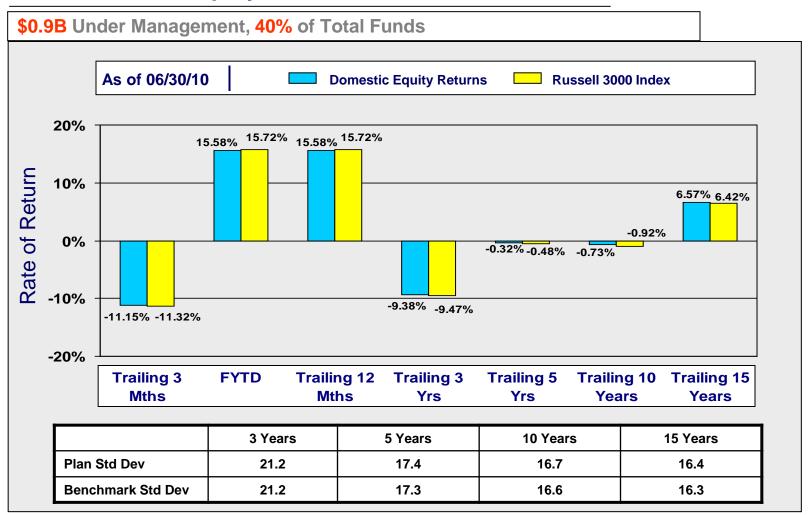
### Russell 3000 Passive Returns vs Russell 3000 Index



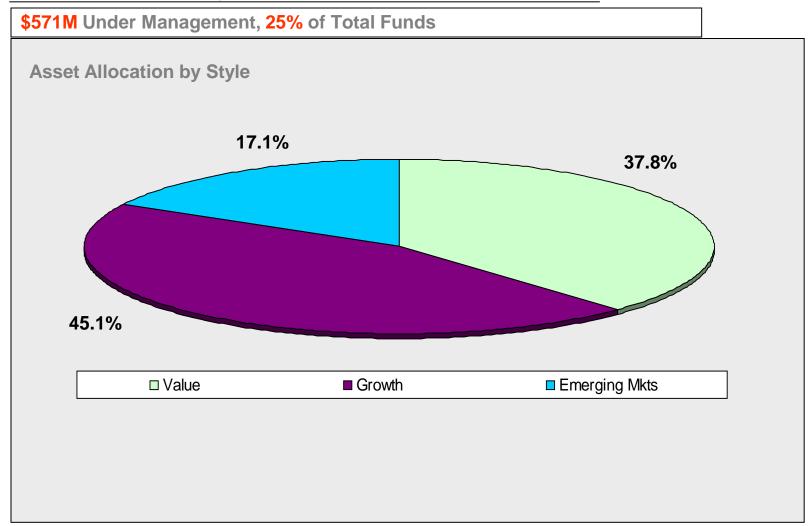
## **Emerging Managers Returns vs Russell 3000 Index**



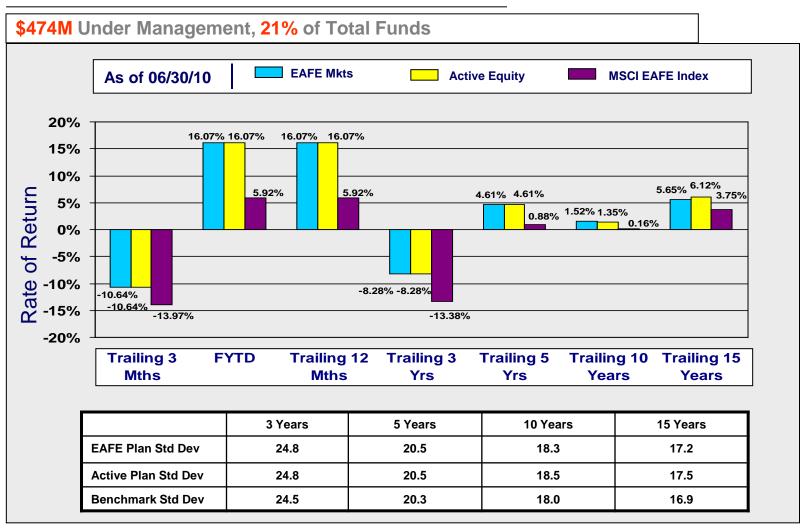
# **Total Domestic Equity Returns vs Russell 3000 Index**



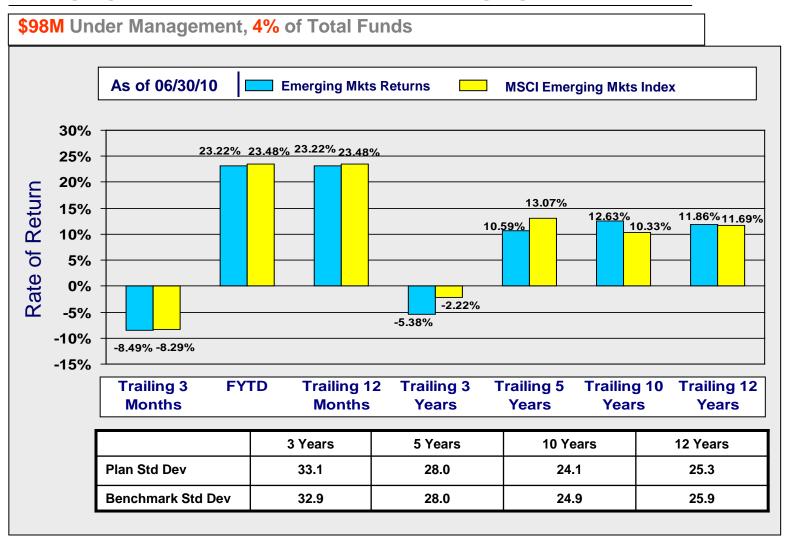
# **International Equity Asset Allocation: June 30, 2010**



### **EAFE Markets Returns vs MSCI EAFE Index**



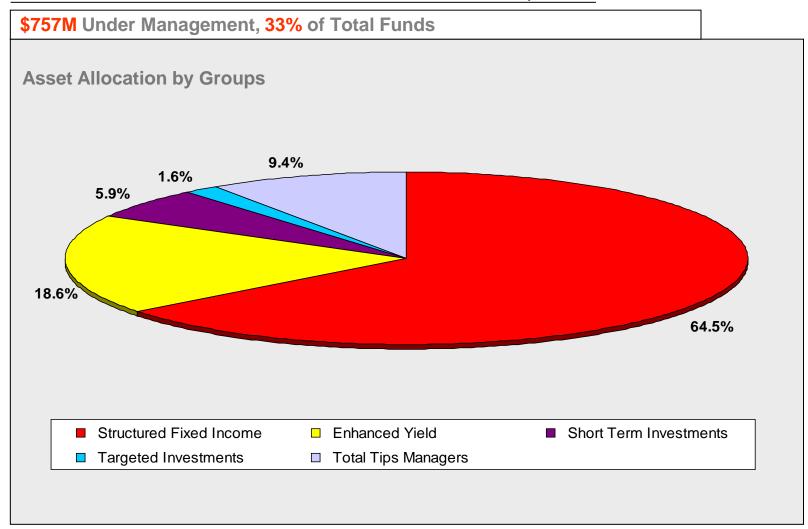
# **Emerging Markets Returns vs MSCI Emerging Markets Index**



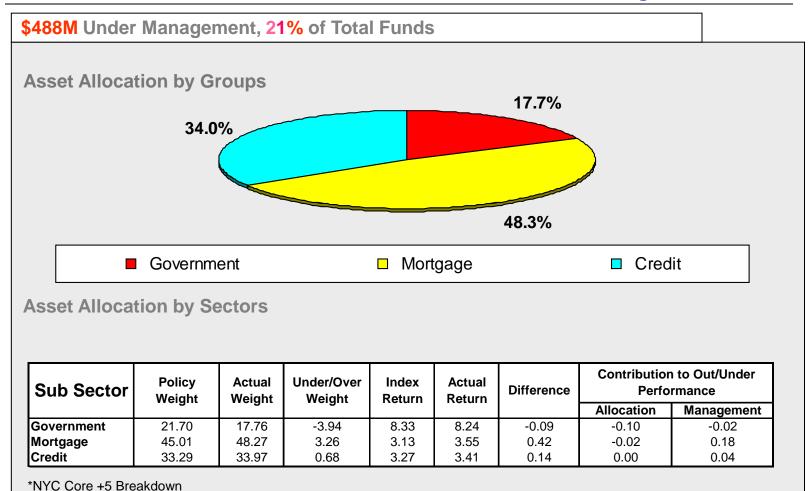
# New York City Board of Education Retirement System

# Fixed Income Analysis

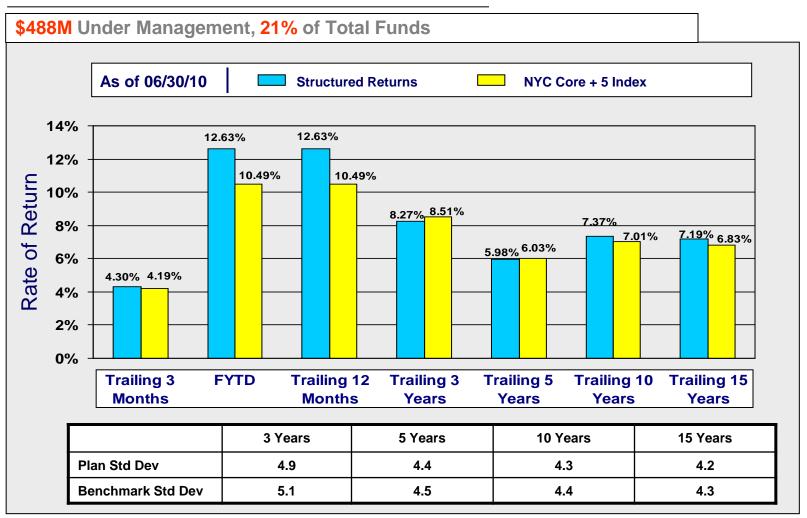
## **Total Fixed Income Asset Allocation: June 30, 2010**



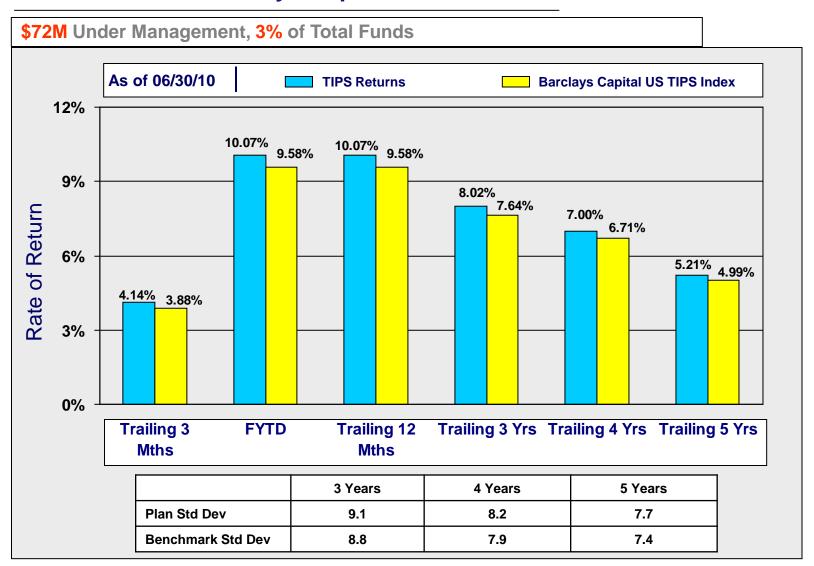
## Structured Fixed Income Asset Allocation: Quarter Ending June 30, 2010



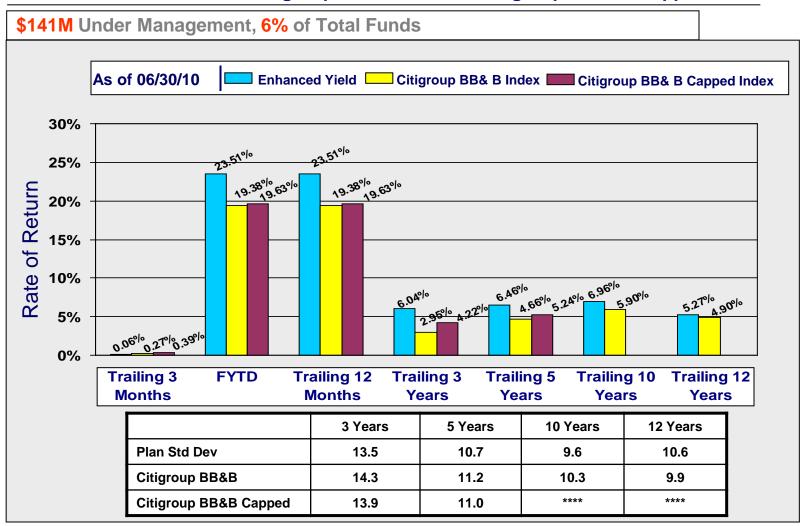
### **Structured Returns vs NYC Core + 5 Index**



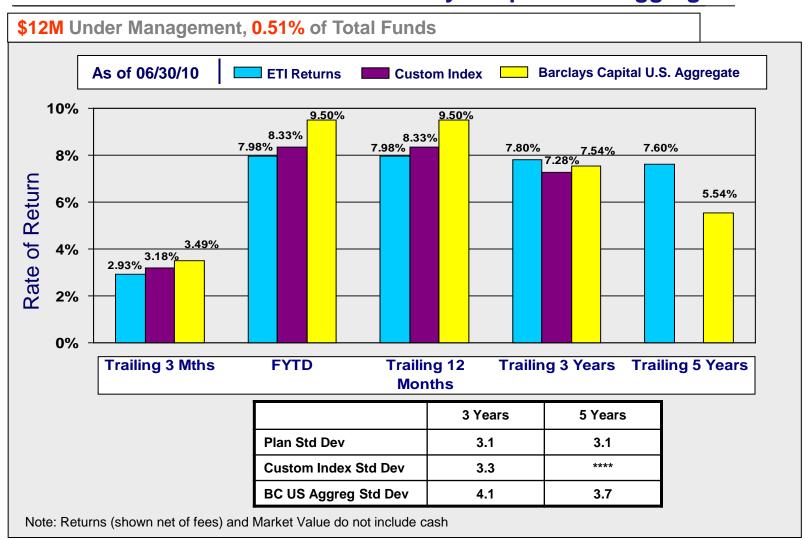
# **TIPS Returns vs Barclays Capital US TIPS Index**



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



# ETI Returns vs Custom Index & Barclays Capital U.S. Aggregate



# New York City Board of Education Retirement System

# **Appendix**

### Through June 30, 2010

	June 30, 2		3 Mos	YTD	1 Yr	3 Yrs	5 Yrs	10 Yrs	15 Yrs
Assets	%		Apr-10		Jul-09	Jul-07	Jul-05	Jul-00	Jul-95
(\$MM)	Total		•	Jun-10				Jun-10	
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		SMALL CAP							
23.07	1.00	DARUMA -SCC	-10.88	****	****	****	****	****	****
23.07	1.00	TOTAL SMALL CAP CORE	-10.88	****	****	****	****	****	****
		RUSSELL 2000	-9.92	****	****	****	****	***	***
		SMALL CAP CORE MEDIAN	-9.34	****	****	****	****	****	****
23.07	1.00	TOTAL SMALL CAP	-10.88	-8.77	14.83	-12.77	-2.60	****	****
		RUSSELL 2000	-9.92	-1.95	21.48	-8.60	0.37	****	****
		LARGE CAP							
38.15	1.66	PYRAMIS GLOBAL ADVISORS	-10.95	-8.15	11.10	-5.80	0.63	-2.94	5.92
		RUSSELL 1000 GROWTH	-11.75	-7.65	13.62	-6.90	0.38	-5.14	5.01
37.57	1.63	ZEVENBERGEN	-10.94	-7.45	20.44	-2.56	5.06	-3.62	7.98
		RUSSELL 3000 GROWTH	-11.55	-7.25	13.95	-6.97	0.44	-4.89	4.85
75.72	3.29	TOTAL LARGE CAP GROWTH	-10.95	-7.80	15.55	-4.25	2.69	-3.29	6.70
		LARGE CAP GROWTH MEDIAN	-12.12	-8.07	12.35	-6.75	0.20	-3.14	7.40
69.42	3.01	ARONSON JOHNSON	-10.40	-5.23	14.47	-11.34	-0.97	****	****
		RUSSELL 1000 VALUE	-11.15	-5.12	16.92	-12.33	-1.65	****	****
69.42	3.01	TOTAL LARGE CAP VALUE	-10.40	-5.23	14.47	-11.34	-0.97	****	****
		LARGE CAP VALUE MEDIAN	-11.68	-5.92	15.69	-11.39	-1.04	****	****
145.14	6.30	TOTAL LARGE CAP	-10.69	-6.59	15.03	-7.91	0.84	-3.51	6.54
		RUSSELL 1000	-11.44	-6.40	15.24	-9.54	-0.56	-1.23	6.46

## Through June 30, 2010

			3 Mos	YTD	1 Yr	3 Yrs	5 Yrs	10 Yrs	15 Yrs
Assets	%		Apr-10	Jan-10	Jul-09	Jul-07	Jul-05	Jul-00	Jul-95
(\$MM)	Total		Jun-10						
		PROGRESS MANAGERS							
7.64	0.33	FAN ASSET MGMT -LCG	-11.50	-7.36	14.68	-6.44	1.07	-4.34	***
2.58	0.11	FORTALEZA -SCG	-9.11	-2.43	14.66	-11.32	-1.32	****	***
1.15	0.05	GW CAPITAL -SCV	-10.58	-1.08	24.00	****	****	****	***
5.72	0.25	JOHN HSU -LCC	-12.78	-8.37	15.22	-5.63	3.84	-0.49	***
7.94	0.34	HERNDON CAPITAL MGMT-LCV	-11.82	-5.55	20.12	-4.50	****	****	***
6.34	0.28	HIGH POINTE LLC -LCG	-15.47	****	****	****	****	****	***
1.47	0.06	LOMBARDIA CAPITAL -SCV	-7.79	0.80	27.04	****	****	****	***
5.95	0.26	PALISADES -LCV	-12.72	-5.30	13.87	-14.59	****	****	***
7.45	0.32	PROFIT INVESTMENT MGMT -LCG	-13.70	-9.21	12.19	****	****	****	***
7.59	0.33	SEIZERT CAPITAL PTNRS -LCV	-11.06	-6.31	14.98	****	****	****	***
53.84	2.34	TOTAL PROGRESS	-12.32	-7.12	14.52	-8.48	0.44	-0.81	***
		RUSSELL 3000	-11.32	-6.05	15.72	-9.47	-0.48	-0.92	***
		F.I.S. MANAGERS							
1.53	0.07	BRC INV MGMT -SCV	****	****	****	****	****	****	***
1.64	0.07	CAMERON CAPITAL -SCC	-7.00	0.17	5.59	****	****	****	***
1.52	0.07	CUPPS CAPITAL SCG	-8.80	-6.05	****	****	****	****	***
0.98	0.04	DAVID ROSS -SCV	-5.82	3.21	14.65	****	****	****	***
2.64	0.11	<b>ELESSAR INVESTMENT MGMT -SCV</b>	-3.86	5.22	21.06	****	****	****	***
1.37	0.06	<b>EUDAIMONIA -Micro CG</b>	-6.98	-0.04	****	****	****	****	***
3.50	0.15	LOMBARDIA CAPITAL PTNRS -SCV	-7.79	0.81	27.08	****	****	****	***
2.29	0.10	NICHOLS ASSET MGMT -SCG	***	****	****	****	****	****	***
2.26	0.10	OAKBROOK -SCC	-10.28	-0.45	27.61	****	****	****	***
1.97	0.09	PROFIT -SCC	-9.55	-0.58	28.27	****	****	****	***
19.69	0.85	TOTAL F.I.S FUND MGMT	-7.87	-0.05	19.37	****	****	****	***
		RUSSELL 2000	-9.92	-1.95	21.48	****	****	****	***
73.53	3.19	TOTAL EMERGING MGRS	-11.18	-5.33	15.78	-8.64	0.39	****	***
		RUSSELL 3000	-11.32	-6.05	15.72	-9.47	-0.48	****	***

Through	June 30, 2	010							
•	•		3 Mos	YTD	1 Yr	3 Yrs	5 Yrs	10 Yrs	15 Yrs
Assets	%			Jan-10		Jul-07	Jul-05	Jul-00	Jul-95
(\$MM)	Total		Jun-10						
		RUSSELL 3000							
679.30	29.49	BLACKROCK R3000	-11.26	-6.00	15.71	-9.40	-0.46	-0.86	****
679.30	29.49	TOTAL RUSSELL 3000	-11.26	-6.00	15.71	-9.40	-0.46	-0.85	6.45
		RUSSELL 3000	-11.32	-6.05	15.72	-9.47	-0.48	-0.92	6.42
241.73	10.49	TOTAL ACTIVE	-10.85	-6.39	15.18	-9.28	0.03	-2.58	5.48
679.30	29.49	TOTAL PASSIVE	-11.26	-6.00	15.71	-9.40	-0.46	-0.33	6.80
921.03	39.98	TOTAL DOMESTIC EQUITY	-11.15	-6.10	15.58	-9.38	-0.32	-0.73	6.57
		INTERNATIONAL EQUITIES							
		DEVELOPED MARKETS							
257.47	11.18	BAILLIE	-11.44	-8.02	15.96	****	****	****	****
		MSCI EAFE GROWTH	-12.44	-10.73	8.59	-11.70	1.69	-1.61	2.57
80.0	0.00	BANK OF IRELAND	****	****	****	****	****	****	****
0.07	0.00	G.E. INVESTMENT	****	****	****	****	****	****	****
215.93	9.37	SPRUCEGROVE	-9.68	-5.42	16.21	-10.18	2.82	****	****
		MSCI EAFE VALUE	-15.53	-15.73	3.21	-15.10	0.01	1.84	5.07
473.55	20.56	TOTAL ACTIVE DEVELOPED MARKETS	-10.64	-6.83	16.07	-8.28	4.61	1.35	6.12
473.55	20.56	TOTAL DEVELOPED MARKETS	-10.64	-6.83	16.07	-8.28	4.61	1.52	5.65
		MSCI EAFE (NET DIVIDEND)	-13.97	-13.23	5.92	-13.38	0.88	0.16	3.75
		INTERNATIONAL EQUITY MEDIAN	-12.21	-10.81	9.21	-11.07	2.77	2.30	6.67
		EMERGING MARKETS							
0.14	0.01	GENESIS INV MGMT	****	****	****	****	****	****	****
97.32	4.22	STATE STREET	-8.50	-6.38	23.26	-5.39	****	****	****
97.46	4.23	TOTAL EMERGING MARKETS	-8.49	-6.37	23.22	-5.38	10.59	12.63	****
		MSCI EMERGING MARKET FREE	-8.29	-6.04	23.48	-2.22	13.07	10.33	****
		EMERGING MARKET MEDIAN	-8.04	-5.47	23.49	-0.76	13.17	11.23	****
571.01	24.79	TOTAL INTERNATIONAL EQUITY	-10.28	-6.75	17.23	-7.81	5.69	3.28	6.24

Through Ju	ine 30, 2010
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Through .	June 30, 2	010							
			3 Mos	YTD	1 Yr	3 Yrs	-	10 Yrs	15 Yrs
Assets	%		Apr-10	Jan-10	Jul-09	Jul-07	Jul-05	Jul-00	Jul-95
(\$MM)	Total		Jun-10						
		PRIVATE EQUITY INVESTMENTS							
8.35	0.36	FAIRVIEW PRIVATE EQUITY FD	****	****	****	****	****	****	****
37.64	1.63	MESIROW PTNRS FD III	****	****	****	****	****	****	****
6.79	0.29	MESIROW PTNRS FD IV	****	****	****	****	****	****	****
52.78	2.29	TOTAL PRIVATE EQUITY	***	****	****	****	****	****	****
1544.83	67.05	TOTAL EQUITY - PUBLIC & PRIVATE	-10.43	-5.94	16.26	-8.69	1.65	0.50	6.97
		FIXED INCOME MANAGEMENT							
		GOVERNMENT							
86.74	3.76	STATE STREET	8.24	9.74	10.59	10.29	6.30	7.84	7.53
86.74	3.76	ALL TREASURY / AGENCY	8.24	9.74	10.59	10.29	6.30	7.66	7.36
		NYC - TREASURY AGENCY PLUS 5	8.33	9.86	10.37	9.99	6.09	7.68	7.38
		MORTGAGE							
235.72	10.23	PIMCO	3.55	6.08	11.31	8.67	6.59	7.15	7.18
		CITIGROUP MORTGAGE INDEX	3.13	4.71	7.83	8.42	6.33	6.60	6.58
		CREDIT							
95.37	4.14	PRUDENTIAL CREDIT	3.45	5.78	****	****	****	****	****
70.51	3.06	TAPLIN, CANIDA	3.34	6.01	17.01	5.82	4.56	7.36	7.03
165.87	7.20	ALL INVESTMENT GRADE CREDIT	3.41	5.88	17.04	5.83	4.57	7.36	6.95
		NYC - INVESTMENT GRADE CREDIT	3.27	5.54	14.16	7.03	5.12	6.86	6.55
488.33	21.20	TOTAL STRUCTURED	4.30	6.65	12.63	8.27	5.98	7.37	7.19
		NYC - CORE PLUS FIVE	4.19	6.00	10.49	8.51	6.03	7.01	6.83
		ACTIVE TIPS MANAGERS							
71.52	3.10	PIMCO-TIPS-MTA	4.14	4.80	10.07	8.02	5.21	****	****
71.52	3.10	TOTAL ACTIVE TIPS MANAGERS	4.14	4.80	10.07	8.02	5.21	****	****
		BARCLAYS CAPITAL US TIPS INDEX	3.88	4.47	9.58	7.64	4.99	****	****

## Through June 30, 2010

Through	June 30, 2	010							
			3 Mos	YTD	1 Yr	3 Yrs		10 Yrs	
Assets	%		•	Jan-10	Jul-09	Jul-07	Jul-05	Jul-00	Jul-95
(\$MM)	Total		Jun-10						
		ENHANCED YIELD							
68.57	2.98	LOOMIS SAYLES & CO	0.52	5.20	28.58	6.76	7.32	8.07	****
		NYC-LOOMIS (ML-MST II 7-03/BB&B PRIOR)	-0.07	4.74	27.53	6.39	7.10	7.27	****
72.24	3.14	SEIX HIGH YIELD	-0.40	3.49	18.38	5.29	5.55	****	****
140.81	6.11	TOTAL ENHANCED YIELD	0.06	4.36	23.51	6.04	6.46	6.96	****
		CITIGROUP BB & B	0.27	3.74	19.38	2.95	4.66	5.90	****
		CITIGROUP BB & B CAPPED	0.39	3.72	19.63	4.22	5.24	****	****
		ENHANCED YIELD MEDIAN	0.36	4.25	22.06	6.19	6.96	7.64	****
		ETI							
2.24	0.10	ACCESS/RBC	2.38	4.44	8.47	8.95	****	****	****
0.05	0.00	CCB-PPAR	3.18	5.23	9.92	8.63	****	****	****
0.10	0.00	CCD-PPAR	3.29	5.79	10.75	10.11	****	****	***
0.11	0.00	LIIF-PPAR	3.84	6.04	****	****	****	****	****
0.01	0.00	NCBCI-PPAR	3.16	4.72	****	****	****	****	****
8.37	0.36	AFL-CIO HOUSING INV TRUST	2.63	4.77	7.62	7.52	****	****	****
0.95	0.04	CPC REVOLVING	0.51	0.98	2.06	3.88	****	****	****
11.84	0.51	TOTAL ETI (with cash)	2.43	4.39	7.36	7.57	7.40	5.39	5.35
		BARCLAYS CAPITAL AGGREGATE	3.49	5.33	9.50	7.54	5.54	6.47	6.40
		BERS CUSTOM INDEX (NO CASH)	3.18	4.83	8.33	7.28	****	****	****
44.53	1.93	SHORT TERM INVESTMENTS	0.13	0.33	0.93	2.72	3.57	3.45	4.19
0.39	0.02	BNY - CD	****	****	****	****	****	****	****
757.43	32.88	TOTAL FIXED	3.20	5.53	12.96	7.42	5.81	6.92	6.76
1.57	0.07	SECURITIES LENDING	***	***	****	****	****	****	***
2303.82	100.00	TOTAL BOARD OF EDUCATION	-6.36	-2.44	15.04	-3.77	3.17	2.82	7.02
		BOARD OF ED POLICY BENCHMARK	-7.17	-3.95	12.90	-4.60	2.46	2.26	6.52

## **Actual And Estimated Fees**

#### NEW YORK CITY BOARD OF EDUCATION RETIREMENT SYSTEM

## ACTUAL FEES FOR FISCAL YEAR ENDING JUNE 30, 2009 AND ESTIMATED FEES FOR FY 2010 UPDATED THROUGH DECEMBER 2009

	Actual	Estimated
	2009	2010
INVESTMENT STYLE (EQUITIES)	BASIS POINTS	BASIS POINTS
Small Cap	26.65	41.94
Small Cap Core	-	-
Small Cap Value	17.31	
Small Cap Growth Small Cap Fundamental	34.15	41.94
Small Cap Fundamental	-	<del>-</del>
Small/Mid Cap Growth	18.67	-
Mid Cap	10.94	-
Mid Cap Core	-	-
Mid Cap Value	11.94	-
Large Cap	21.53	27.64
Large Cap Growth	26.18	28.51
Large Cap Value	16.99	26.68
Large Cap Core	-	-
Large Cap Fundamental	-	-
Emerging Managers (U.S. Equities)	57.68	59.57
Emerging Managers (Fixed)	-	-
Passive Equities	0.12	0.14
		76.65
Opportunistic		52.26
Activist Environmental	-	-
Environmental Fixed Income	-	-
Int'l Active Equities (EAFE)	19.27	29.00
Int'l Passive Equities (EAFE)	-	29.00
Emerging Markets	43.94	54.93
Emerging markets	40.34	34.33

# **Actual And Estimated Fees**

#### NEW YORK CITY BOARD OF EDUCATION RETIREMENT SYSTEM

## ACTUAL FEES FOR FISCAL YEAR ENDING JUNE 30, 2009 AND ESTIMATED FEES FOR FY 2010 UPDATED THROUGH DECEMBER 2009

	Actual 2009	Estimated 2010
INVESTMENT STYLE (Fixed Income)	BASIS POINTS	BASIS POINTS
Core +5 Fixed Income	6.10	-
Government Sector	2.04	-
Mortgage Sector	6.82	-
Corporate Sector	8.94	-
Yankee Sector	6.06	-
nvestment Grade – Fixed Income	-	7.97
Government Sector	-	5.00
Mortgage Sector	-	8.85
Credit Sector	-	8.23
TIPO	7.50	40.00
TIPS	7.58	10.00
Active TIPS	7.58	10.00
Passive TIPS	-	-
Enhanced Yield	27.01	28.24
Convertible Bonds	-	-
Global Fixed Income	-	-
ETI - AFL-CIO	40.00	40.00
ETI- Access RBC	38.25	39.01
In House Chart Town		
In-House Short Term	-	-
T + 10 UP	10.05	47.15
Total Overall*	13.35	17.12
*Only Public Markets fees are calculated in the overall t	otal	

# **Securities Lending Income**

hrough June 30, 2010				
	U.S.	U.S.	INTERNATIONAL	
	FIXED INCOME	<u>EQUITY</u>	<u>EQUITY</u>	
1989*	\$70,000			
1990	79,000			
1991	111,000			
1992	122,000	\$11,000		
1993	79,000	32,000	\$15,000	
1994	93,000	77,000	20,000	
1995	112,000	93,000	12,000	
1996	99,000	76,000	27,000	
1997	101,000	126,000	40,000	
1998	111,000	170,000	60,000	
1999	159,000	263,000	100,000	
2000	193,000	310,000	97,000	
2001	295,000	208,000	159,000	
2002	209,000	143,000	152,000	
2003	153,000	158,000	195,000	
2004	226,000	255,000	174,000	
2005	384,000	479,000	217,000	
2006	303,000	734,000	246,000	
2007	593.000	1,208,000	272,000	
2008	2,514,000	2,266,000	451,000	
2009	698,000	1,416,000	367,000	
2010 (6 Months)	96,000	366,000	185,000	
Since Inception	<u>\$6,800,000</u>	\$8,391,000	<u>\$2,789,000</u>	

### **Footnotes**

#### Through June 30, 2010

- The Barclays Capital Aggregate (then known as the Lehman Brothers Aggregate) was used prior to 1/1/89. Effective 1/1/89, in the Government Sector, maturities of less than 5 years were dropped from the Salomon and Lehman indices. From that date until 7/1/99 the benchmark was the NYC Core + 5, from Lehman.
- Effective 7/1/94, the NYC Core + 5 Index includes BBB rated securities.
- Effective 7/1/99, the basis of the NYC Index was changed from Lehman Brothers to Salomon. Also effective 7/1/99, only Salomon indices have been used to compare all fixed income managers.
- Effective 4/1/03, the name of the benchmark provider was changed from Salomon to Citigroup.
- Effective 7/1/03, the "NYC-Loomis" benchmark index for the Loomis Sayles Enhanced Yield portfolio reflects a change from the Citigroup BB&B Index to the more appropriate BofA Merrill Lynch High Yield Master II Index.
- 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, 2010

#### **General Notes**

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

#### Page Specific

#### Page 14 - Portfolio Asset Allocation

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

# **Glossary of Terms**

#### Through June 30, 2010

#### Page 15 - 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 = Equal to the 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 weighted 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, of 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 policy weights are as follows:

U.S. Equity: Russell 3000 \* 42.79%

International Developed (EAFE) Markets: MSCI EAFE \* 21% International Emerging Markets: MSCI Emerging Markets \* 4% Private Equity: Russell 3000 + 500 b.p. per annum \* 2.21%

Domestic Fixed Income: NYC Core +5 \*22%

TIPS: Barclays Capital U.S. TIPS \* 3% Enhanced Yield: Citigroup BB&B \* 5%

## **Glossary of Terms**

#### Through June 30, 2010

#### Page 18 - 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 23 - Domestic Equity 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.

#### Page 34 - Structured Fixed Income Asset Allocation

See Domestic Equity Asset Allocation for explanation

#### Page 38 - ETI Returns vs Custom Index and Barclays Capital U.S. Aggregate

- ETI has implemented a Custom Benchmark to better track the performance of the individual ETI programs relative to their
  respective benchmarks. The Custom Benchmark represents the weighted average return of the individual benchmark indexes for
  each program, updated monthly. The indexes are as follows:
- AFL-CIO Housing Inv Trust: Barclays Capital U.S. Aggregate Bond Index
- CPC Revolving: 30 Day Libor + 180 bps per annum
- PPAR: Citigroup GNMA + 65 bps per annum
- Access/RBC: 60% BofA Merrill Lynch 30 yr Mortgage Index plus 40% BofA Merrill Lynch US Treasury 1-10yr Index