

# New York City Board of Education Retirement System

Performance Overview as of September 30, 2010

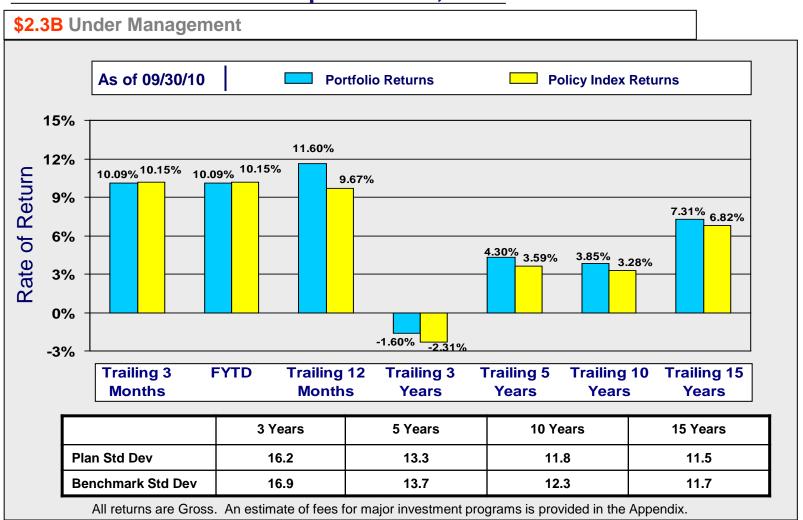
# **Total Fund Overview**

# New York City Board of Education Retirement System

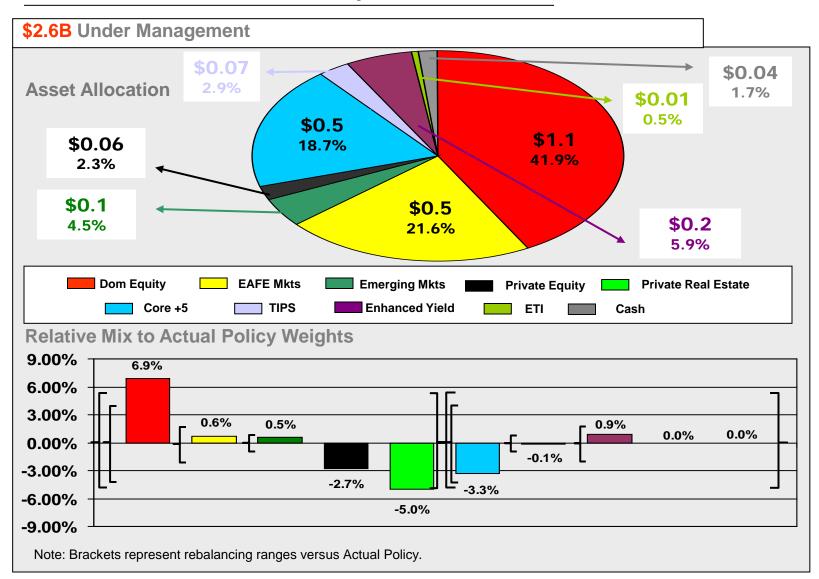
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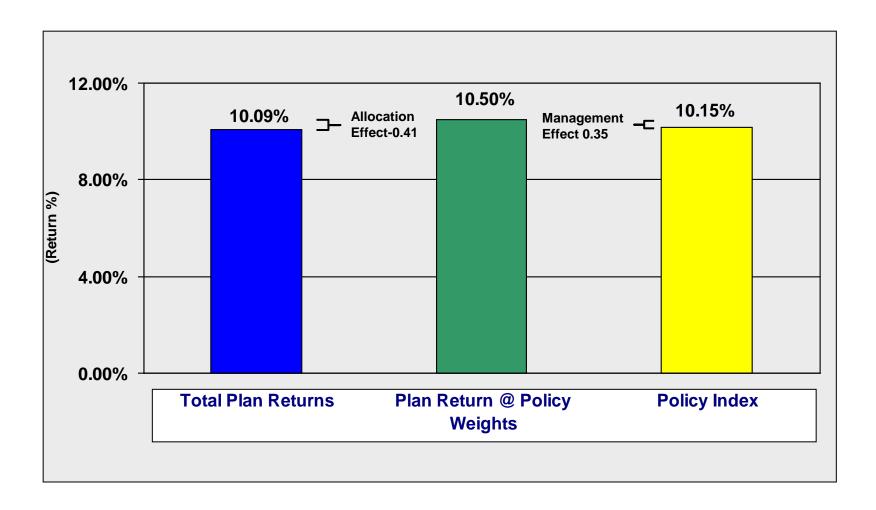
## **Total Portfolio Returns: September 30, 2010**



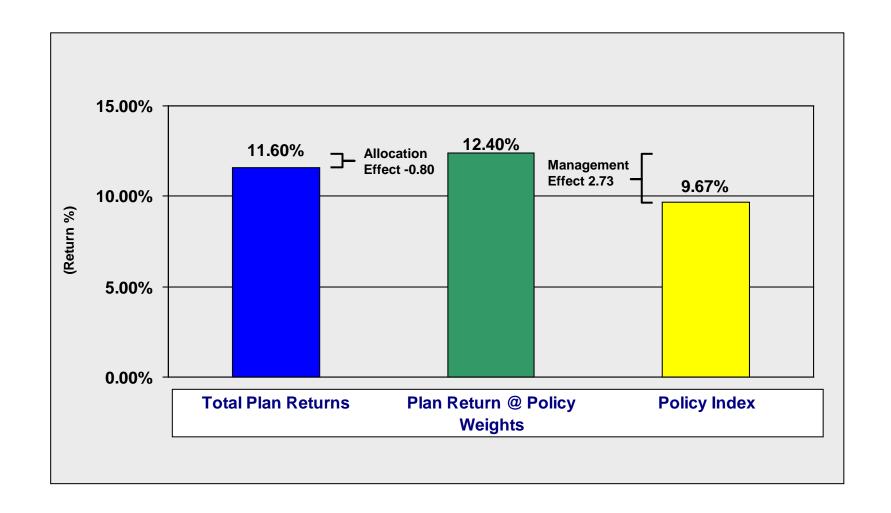
## Portfolio Asset Allocation: September 30, 2010



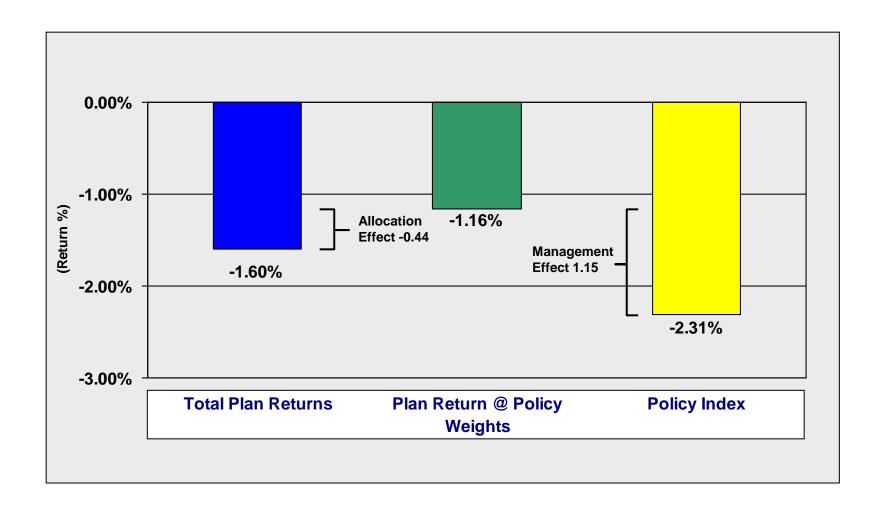
# Performance Attribution: Total Plan - Quarter Ending September 30, 2010



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



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



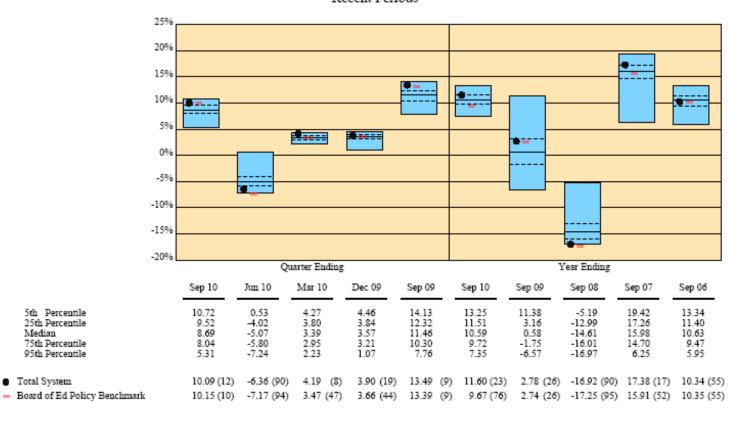
# **Total Plan - Quarter Ending September 30, 2010**

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

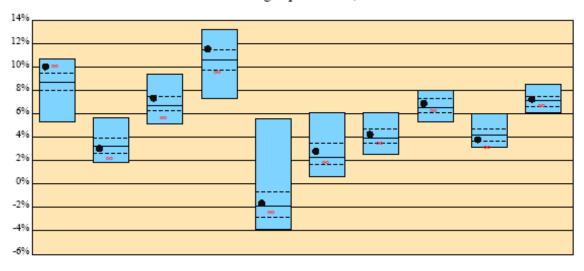
<u>Plan</u>	<u>Quarter</u>	12 Months	<u>3</u> Years	<u>Benchmark</u>
Domestic Equity	0.09	0.11	0.08	Russell 3000 Index
EAFE Markets	0.11	1.71	1.02	MSCI EAFE Index
Emerging Markets	0.04	0.03	-0.13	MSCI Emerging Markets Index
Domestic Fixed	0.04	0.26	-0.01	NYC Core +5 Index
Enhanced Yield	0.03	0.08	0.15	Citigroup BB&B Index
TIPS	0.01	0.02	0.02	Barclays Capital US TIPS Index
Private Equity	-0.28	-0.04	-0.14	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



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

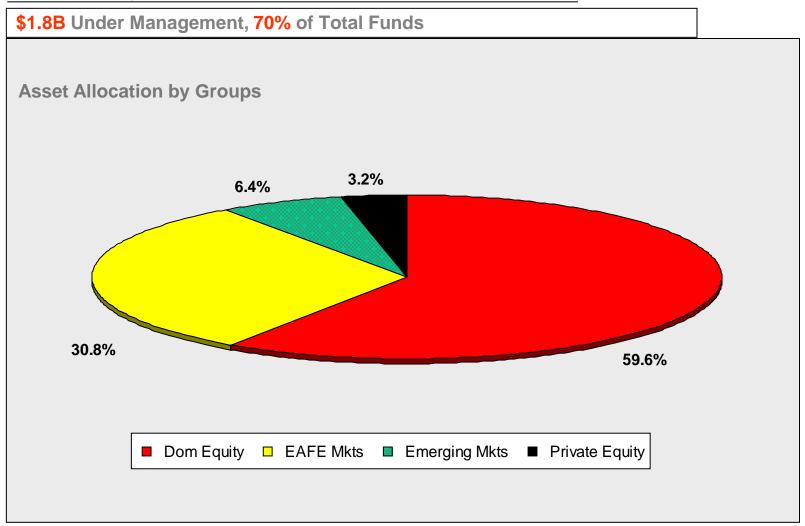


		1 Quarter	2 Quarters	3 Quarters	l Year	3 Years	4 Years	5 Years	7 Years	10 Years	15 Years
	5th Percentile 25th Percentile	10.72 9.52	5.69 3.94	9.44 7.52	13.25 11.51	5.60 -0.67	6.07 3.47	6.07 4.76	8.02 7.29	6.06 4.74	8.57 7.52
	Median 75th Percentile	8.69 8.04	3.27 2.63	6.75 6.26	10.59 9.72	-1.86 -2.80	2.29	3.92 3.52	6.51 6.08	4.23 3.64	7.16 6.65
	95th Percentile	5.31	1.89	5.15	7.35	-3.86	0.60	2.55	5.34	3.20	6.09
)	Total System	10.09 (12)	3.09 (55)	7.41 (27)	11.60 (23)	-1.59 (42)	2.84 (36)	4.30 (38)	6.94 (35)	3.85 (65)	7.31 (34)
9	Board of Ed Policy Benchmark	10.15 (10)	2.25 (86)	5.80 (86)	9.67 (76)	-2.31 (61)	1.96 (61)	3.59 (69)	6.39 (60)	3.28 (92)	6.82 (67)

# New York City Board of Education Retirement System

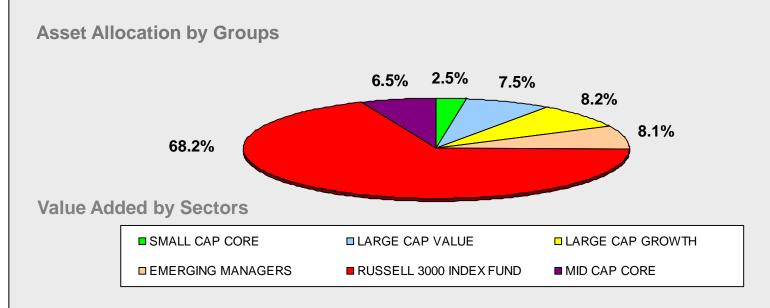
# **Equity Analysis**

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



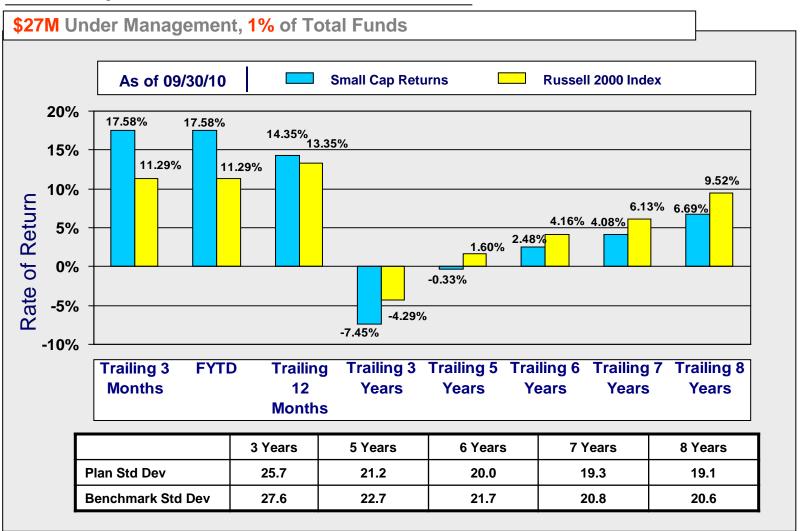
# Total Domestic Equity Asset Allocation: Quarter Ending September 30, 2010



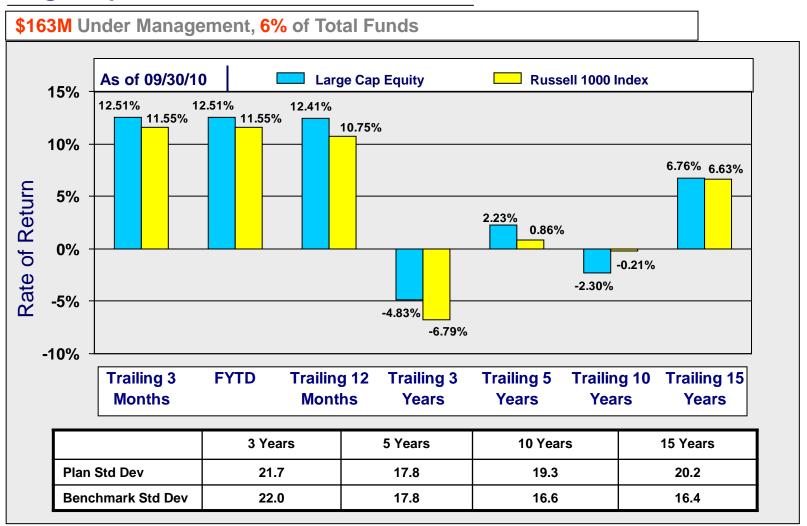


Sub Sector	Policy Weight	Actual Weight	Under/Over Weight	Index Return	Actual Return	Difference		to Out/Under rmance
					11010111		Allocation	Management
Mid Cap Core	7.25	6.49	-0.76				-0.11	0.00
Small Cap Core	2.83	2.52	-0.31	11.29	10.62	-0.67	0.00	0.14
Emerging Managers	7.50	7.61	0.11	11.53	10.97	-0.56	0.00	-0.04
Large Cap Value	7.50	7.15	-0.35	10.13	10.62	0.49	0.00	0.04
Large Cap Growth	7.50	8.06	0.56	13.00	14.25	1.25	0.01	0.09
Russell 3000 Index Fund	67.42	68.16	0.74	11.53	11.56	0.03	-0.01	0.02

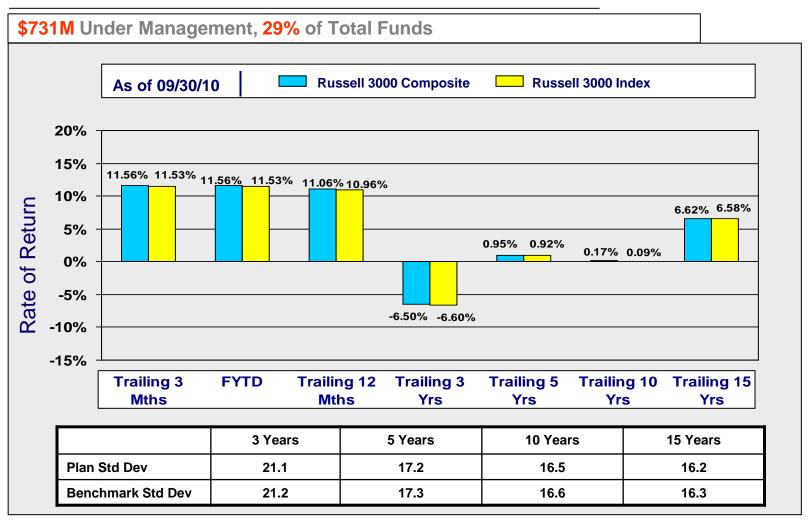
## **Small Cap Returns vs Russell 2000 Index**



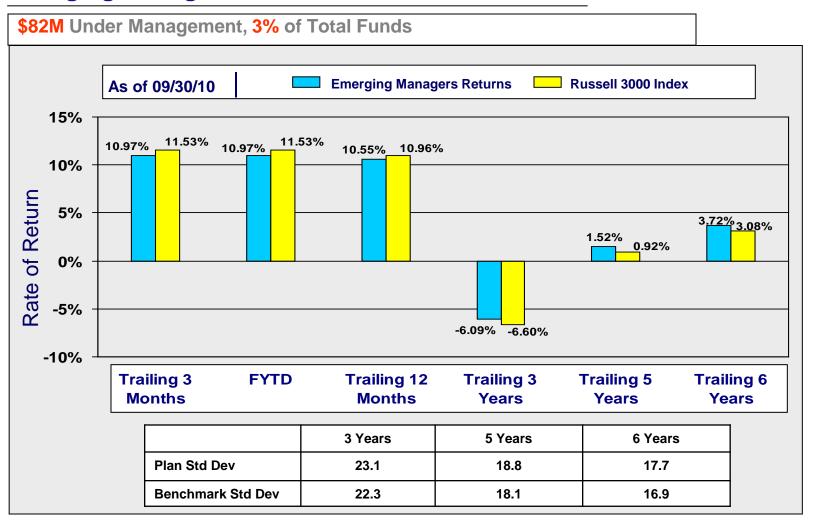
# **Large Cap Returns vs Russell 1000 Index**



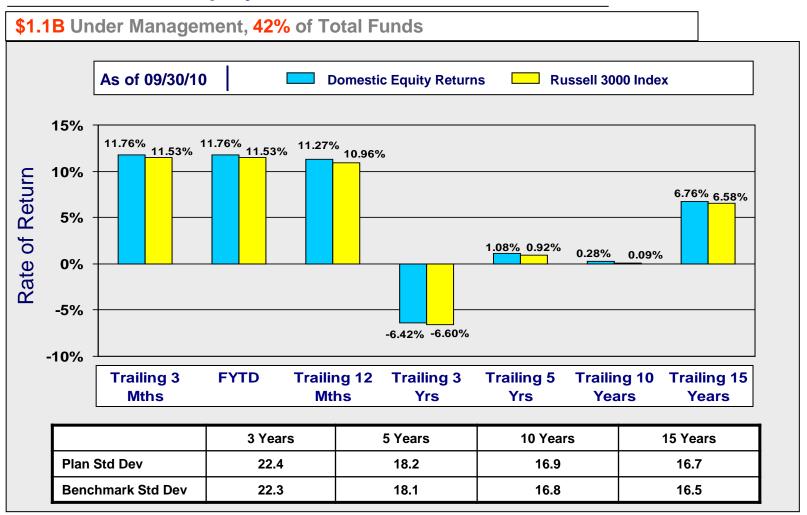
### Russell 3000 Passive Returns vs Russell 3000 Index



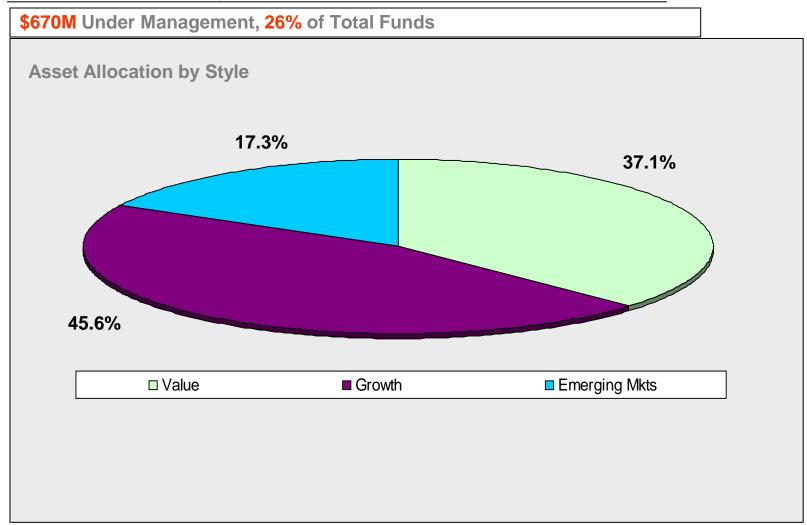
## **Emerging Managers Returns vs Russell 3000 Index**



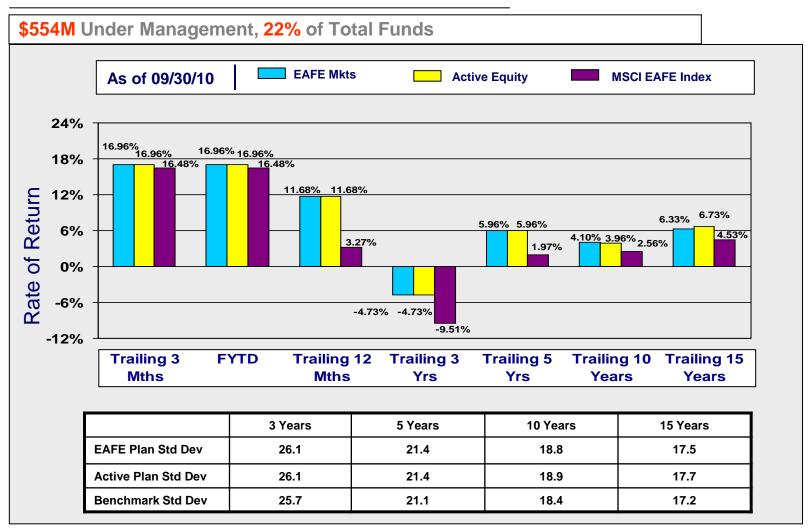
# **Total Domestic Equity Returns vs Russell 3000 Index**



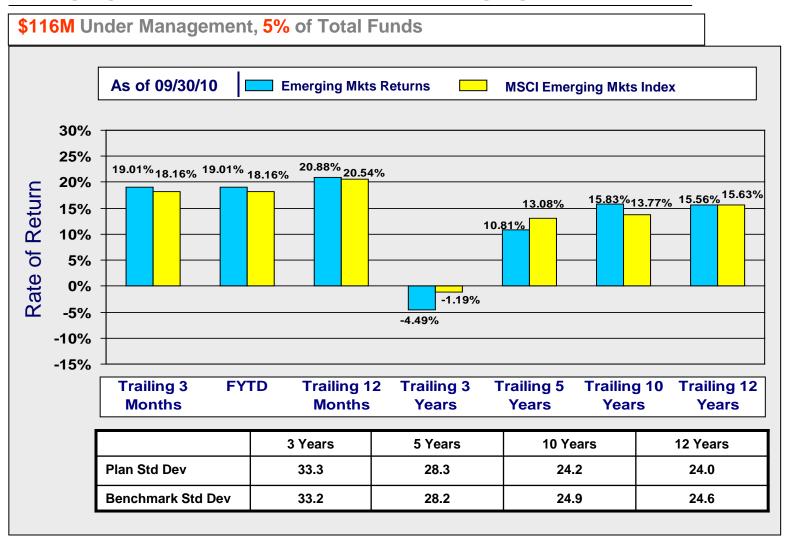
# **International Equity Asset Allocation: September 30, 2010**



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



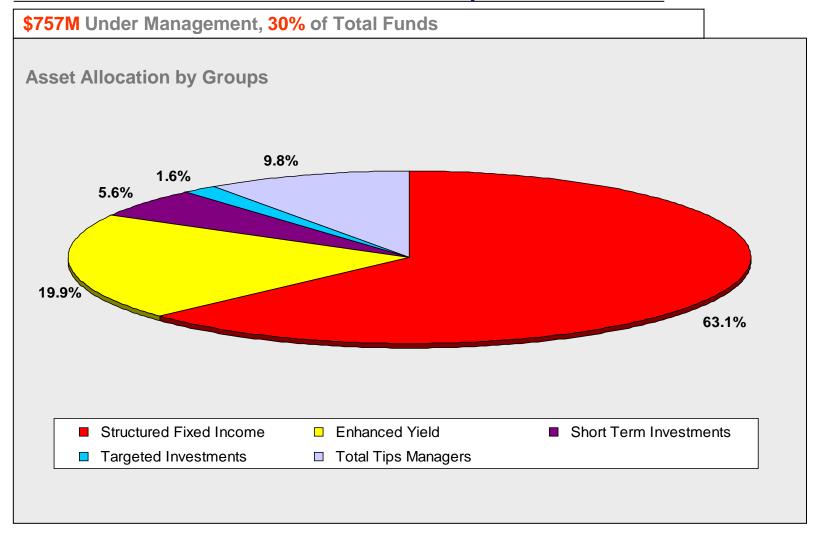
# **Emerging Markets Returns vs MSCI Emerging Markets Index**



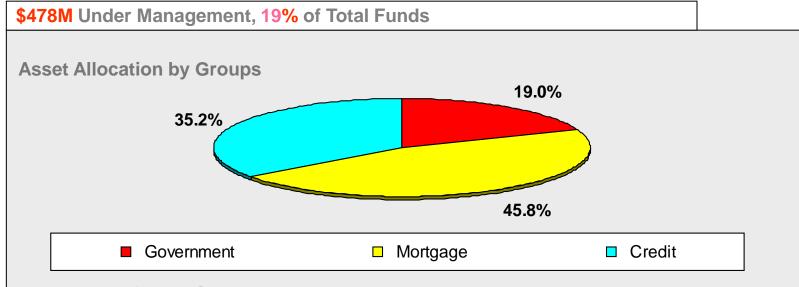
# New York City Board of Education Retirement System

# Fixed Income Analysis

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



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

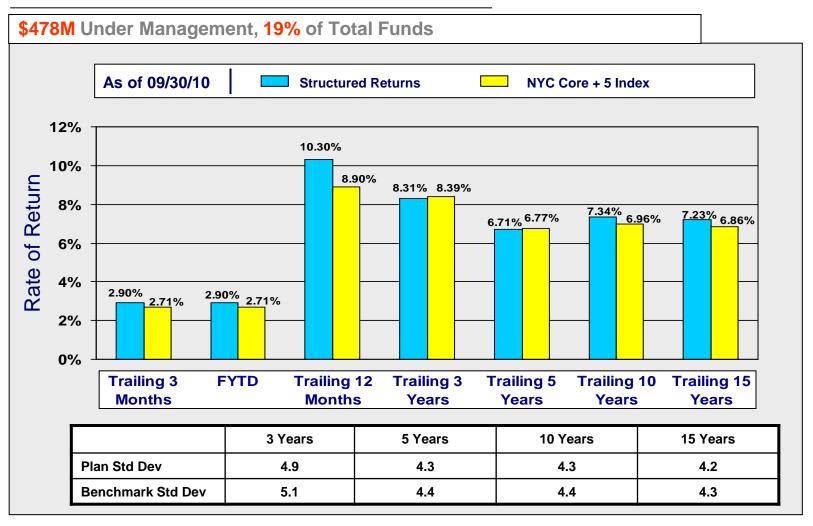


### **Asset Allocation by Sectors**

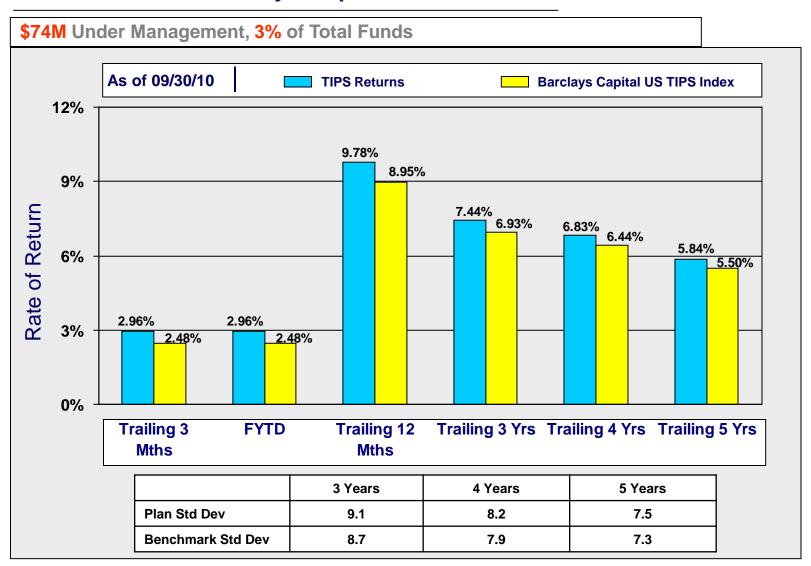
Sub Sector	Policy Weight	Actual Weight	Under/Over Weight	Index Return	Actual Return	Difference		n to Out/Under rmance
	3333		11019.11				Allocation	Management
Government	22.46	18.98	-3.48	4.56	4.51	-0.05	-0.07	-0.01
Mortgage	43.10	45.79	2.69	0.52	1.20	0.68	-0.07	0.36
Credit	34.44	35.23	0.79	4.43	4.46	0.03	0.01	0.01

\*NYC Core +5 Breakdown

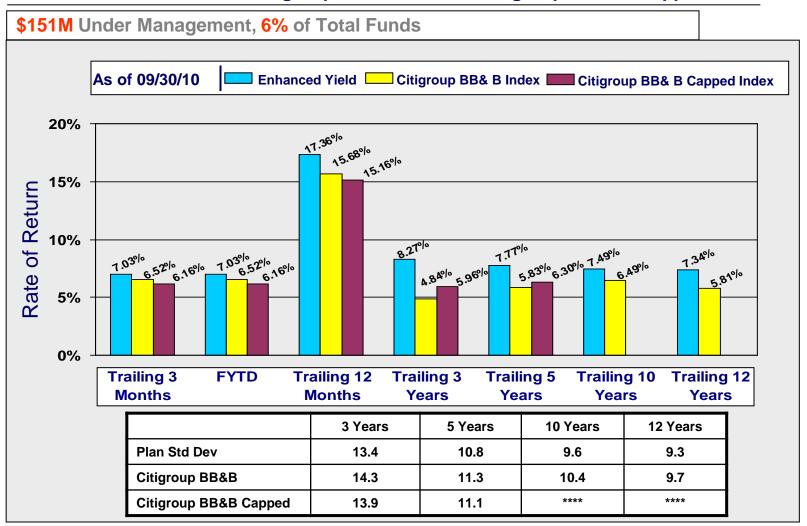
### **Structured Returns vs NYC Core + 5 Index**



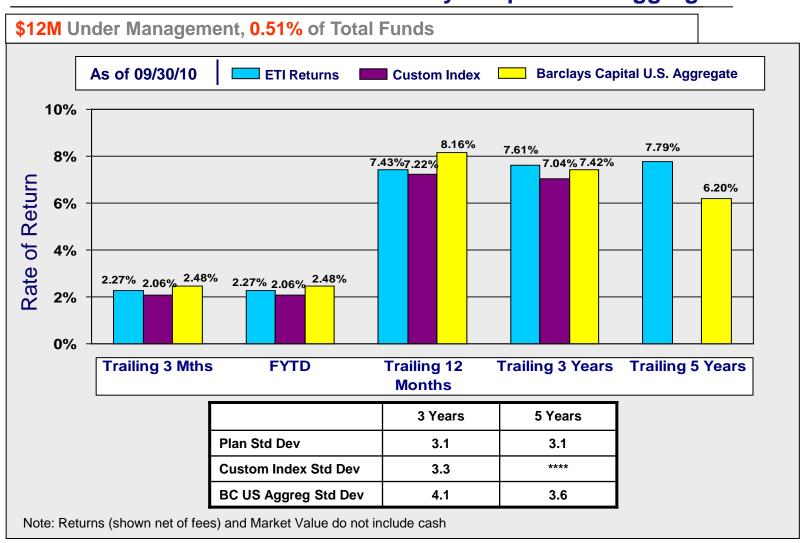
# **TIPS Returns vs Barclays Capital US TIPS Index**



#### 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 September	r 30.	2010
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			3 Mos	YTD	1 Yr	3 Yrs	5 Yrs	10 Yrs	15 Yrs
Assets	%		Jul-10	Jan-10	Oct-09	Oct-07	Oct-05	Oct-00	Oct-95
(\$MM)	Total		Sep-10						
•		EQUITY MANAGEMENT	-	-	-	-	-	-	-
		SMALL CAP							
27.08	1.06	DARUMA -SCC	17.58	****	****	****	****	****	****
27.08	1.06	TOTAL SMALL CAP CORE	17.58	****	****	****	****	****	***
		RUSSELL 2000	11.29	9.12	13.35	-4.29	1.60	4.00	6.72
		SMALL CAP CORE MEDIAN	10.82	9.38	14.57	-2.45	2.94	7.15	9.77
27.08	1.06	TOTAL SMALL CAP	17.58	7.27	14.35	-7.45	-0.33	****	***
		RUSSELL 2000	11.29	9.12	13.35	-4.29	1.60	4.00	6.72
69.66	2.72	WELLINGTON MID CAP	***	****	****	****	****	****	***
		S&P MIDCAP 400	13.12	11.57	17.78	****	****	****	****
69.66	2.72	TOTAL MID CAP	***	****	****	****	****	****	****
		RUSSELL MIDCAP	13.31	10.97	17.54	****	****	****	****
		LARGE CAP							
42.28	1.65	PYRAMIS GLOBAL ADVISORS	10.92	1.88	10.30	-4.03	2.27	-1.82	6.04
		RUSSELL 1000 GROWTH	13.00	4.36	12.65	-4.35	2.06	-3.44	5.26
44.17	1.73	ZEVENBERGEN	17.63	8.87	18.68	0.40	7.29	-2.02	8.49
		RUSSELL 3000 GROWTH	12.98	4.80	12.81	-4.32	2.08	-3.20	5.08
86.45	3.38	TOTAL LARGE CAP GROWTH	14.25	5.34	14.43	-1.87	4.65	-1.93	7.03
		LARGE CAP GROWTH MEDIAN	12.51	4.01	11.31	-4.69	1.86	-1.62	7.66
76.74	3.00	ARONSON JOHNSON	10.62	4.83	10.21	-7.78	-0.14	****	****
		RUSSELL 1000 VALUE	10.13	4.49	8.90	-9.39	-0.49	2.58	7.36
76.74	3.00	TOTAL LARGE CAP VALUE	10.62	4.83	10.21	-7.78	-0.14	****	****
		LARGE CAP VALUE MEDIAN	10.54	3.88	8.88	-8.23	-0.01	3.87	8.41
163.19	6.38	TOTAL LARGE CAP	12.51	5.10	12.41	-4.83	2.23	-2.30	6.76
		RUSSELL 1000	11.55	4.41	10.75	-6.79	0.86	-0.21	6.63

# Through September 30, 2010

			3 Mos	YTD	1 Yr	3 Yrs	•		15 Yrs
Assets	%		Jul-10	Jan-10		Oct-07	Oct-05	Oct-00	
(\$MM)	Total		Sep-10						
		PROGRESS MANAGERS							
8.62	0.34	FAN ASSET MGMT -LCG	12.80	4.49	12.98	-4.56	2.43	-3.27	****
2.93	0.11	FORTALEZA -SCG	13.36	10.61	14.93	-9.32	0.34	****	****
1.24	0.05	GW CAPITAL -SCV	8.44	7.26	17.38	****	****	****	****
6.53	0.26	JOHN HSU -LCC	14.09	4.53	12.78	-4.06	4.86	1.63	****
8.98	0.35	HERNDON CAPITAL MGMT-LCV	12.99	6.72	10.67	-0.61	5.09	****	***
7.01	0.27	HIGH POINTE LLC -LCG	10.49	****	****	****	****	****	***
1.58	0.06	LOMBARDIA CAPITAL -SCV	7.75	8.62	12.64	****	****	****	***
6.41	0.25	PALISADES -LCV	7.66	1.95	3.73	-12.39	****	****	***
8.32	0.33	PROFIT INVESTMENT MGMT -LCG	11.71	1.42	8.72	****	****	****	***
8.50	0.33	SEIZERT CAPITAL PTNRS -LCV	12.05	4.98	12.80	****	****	****	***
60.12	2.35	TOTAL PROGRESS	11.66	3.72	10.11	-5.74	1.79	0.34	***
		RUSSELL 3000	11.53	4.78	10.96	-6.60	0.92	0.09	6.58
		F.I.S. MANAGERS							
1.73	0.07	BRC INV MGMT -SCV	12.80	****	****	****	****	****	***
1.78	0.07	CAMERON CAPITAL -SCC	8.14	8.33	6.21	****	****	****	***
1.71	0.07	CUPPS CAPITAL SCG	12.71	5.90	15.26	****	****	****	***
0.97	0.04	DAVID ROSS -SCV	-0.61	2.58	6.19	****	****	****	***
2.82	0.11	<b>ELESSAR INVESTMENT MGMT -SCV</b>	6.83	12.41	13.79	****	****	****	***
1.54	0.06	<b>EUDAIMONIA -Micro CG</b>	12.66	12.61	11.65	****	****	****	***
3.77	0.15	LOMBARDIA CAPITAL PTNRS -SCV	7.75	8.63	12.58	****	****	****	***
2.52	0.10	NICHOLS ASSET MGMT -SCG	10.22	****	****	****	****	****	***
2.47	0.10	OAKBROOK -SCC	9.40	8.91	14.04	****	****	****	***
2.16	0.08	PROFIT -SCC	10.02	9.38	15.03	****	****	****	***
21.48	0.84	TOTAL F.I.S FUND MGMT	9.07	9.01	11.83	****	****	****	***
		RUSSELL 2000	11.29	9.12	13.35	-4.29	1.60	4.00	6.72
81.59	3.19	TOTAL EMERGING MGRS	10.97	5.06	10.55	-6.09	1.52	****	***
		RUSSELL 3000	11.53	4.78	10.96	-6.60	0.92	0.09	6.58

			3 Mos	YTD	1 Yr	3 Yrs	5 Yrs	10 Yrs	15 Yrs
Assets	%				Oct-09				
\$MM)	Total				Sep-10				
Ψ	. O.u.	RUSSELL 3000	оор . с	COP .C	COP IV	00p .0	00p .0	00p .0	00p .0
731.04	28.57	BLACKROCK R3000	11.56	4.87	11.06	-6.50	0.95	0.17	****
731.04	28.57	TOTAL RUSSELL 3000	11.56	4.87	11.06	-6.50	0.95	0.17	6.62
		RUSSELL 3000	11.53	4.78	10.96	-6.60	0.92	0.09	6.58
341.53	13.35	TOTAL ACTIVE	12.29	5.12	11.83	-6.14	1.43	-1.39	5.71
731.04	28.57	TOTAL PASSIVE	11.56	4.87	11.06	-6.50	0.95	0.62	6.97
1072.57	41.92	TOTAL DOMESTIC EQUITY	11.76	4.95	11.27	-6.42	1.08	0.28	6.76
		INTERNATIONAL EQUITIES DEVELOPED MARKETS							
305.46	11.94	BAILLIE	18.64	9.13	12.76	-3.42	****	****	****
		MSCI EAFE GROWTH	16.59	4.08	8.41	-8.37	2.79	1.15	3.34
0.08	0.00	BANK OF IRELAND	***	****	****	****	****	****	****
0.07	0.00	G.E. INVESTMENT	****	****	****	****	****	****	****
248.27	9.70	SPRUCEGROVE	14.98	8.75	10.36	-5.68	4.07	****	****
		MSCI EAFE VALUE	16.36	-1.94	-1.67	-10.71	1.09	3.88	5.85
553.89	21.65	TOTAL ACTIVE DEVELOPED MARKETS	16.96	8.97	11.68	-4.73	5.96	3.96	6.73
553.89	21.65	TOTAL DEVELOPED MARKETS	16.96	8.97	11.68	-4.73	5.96	4.10	6.33
		MSCI EAFE (NET DIVIDEND)	16.48	1.07	3.27	-9.51	1.97	2.56	4.53
		INTERNATIONAL EQUITY MEDIAN	16.62	3.74	6.94	-7.21	3.92	4.40	7.34
		EMERGING MARKETS				****		****	****
).14	0.01	GENESIS INV MGMT	****	****	****		****	****	****
115.85	4.53	STATE STREET	19.04	11.45	20.91	-4.50	****		****
115.99	4.53	TOTAL EMERGING MARKETS	19.01	11.43	20.88	-4.49	10.81	15.83	
		MSCI EMERGING MARKET FREE	18.16	11.02	20.54	-1.19	13.08	13.77	8.38
		EMERGING MARKET MEDIAN	18.53	11.60	21.00	0.84	13.74	14.34	10.94
669.88	26.18	TOTAL INTERNATIONAL EQUITY	17.31	9.39	13.17	-4.80	6.80	5.95	6.94

<b>Through</b>	September	30, 2010
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Assets	%		3 Mos	YTD	1 Yr Oct-09	3 Yrs		10 Yrs	
(\$MM)	70 Total				Sep-10				
(AIAIIAI)	IOlai	PRIVATE EQUITY INVESTMENTS	3ep-10	Sep-10	Sep-10	Sep-10	Sep-10	Sep-10	Sep-10
9.40	0.37	FAIRVIEW PRIVATE EQUITY FD	****	****	****	****	****	****	****
40.44	1.58	MESIROW PTNRS FD III	***	****	****	****	****	****	****
7.95	0.31	MESIROW PTNRS FD IV	****	****	****	****	****	****	****
57.79	2.26	TOTAL PRIVATE EQUITY	1.15	9.22	17.36	-3.09	****	****	****
1800.24	70.36	TOTAL EQUITY - PUBLIC & PRIVATE	13.44	6.71	12.13	-5.74	2.97	1.95	7.28
		FIXED INCOME MANAGEMENT GOVERNMENT							
90.65	3.54	STATE STREET	4.51	14.69	11.65	10.19	7.66	7.99	7.69
90.65	3.54	ALL TREASURY / AGENCY	4.51	14.69	11.65	10.19	7.65	7.82	7.53
		NYC - TREASURY AGENCY PLUS 5	4.56	14.87	11.56	9.94	7.50	7.83	7.55
		MORTGAGE							
218.68	8.55	PIMCO	1.20	7.36	8.44	8.06	6.83	6.93	7.10
		CITIGROUP MORTGAGE INDEX	0.52	5.26	5.81	7.59	6.47	6.32	6.47
		CREDIT							
99.57	3.89	PRUDENTIAL CREDIT	4.41	10.45	11.67	****	****	****	****
68.69	2.68	TAPLIN, CANIDA	4.52	10.81	13.06	7.02	5.62	7.48	7.17
168.26	6.58	ALL INVESTMENT GRADE CREDIT	4.46	10.60	12.26	7.00	5.61	7.48	7.11
		NYC - INVESTMENT GRADE CREDIT	4.43	10.22	11.15	7.85	6.26	6.98	6.70
477.59	18.67	TOTAL STRUCTURED	2.90	9.73	10.30	8.31	6.71	7.34	7.23
		NYC - CORE PLUS FIVE	2.71	8.86	8.90	8.39	6.77	6.96	6.86
		ACTIVE TIPS MANAGERS							
73.64	2.88	PIMCO-TIPS-MTA	2.96	7.91	9.78	7.44	5.84	****	****
73.64	2.88	TOTAL ACTIVE TIPS MANAGERS	2.96	7.91	9.78	7.44	5.84	****	****
		BARCLAYS CAPITAL US TIPS INDEX	2.48	7.06	8.95	6.93	5.50	7.50	****

## Through September 30, 2010

			3 Mos	YTD	1 Yr	3 Yrs	5 Yrs	10 Yrs	15 Yrs
Assets	%		Jul-10	Jan-10			Oct-05		Oct-95
(\$MM)	Total		Sep-10						
		ENHANCED YIELD							
73.57	2.88	LOOMIS SAYLES & CO	7.29	12.87	19.12	9.34	8.70	8.57	****
		NYC-LOOMIS (ML-MST II 7-03/BB&B PRIOR)	6.70	11.76	18.51	8.60	8.30	7.88	7.48
77.14	3.02	SEIX HIGH YIELD	6.80	10.52	15.54	7.17	6.80	****	****
150.73	5.89	TOTAL ENHANCED YIELD	7.03	11.70	17.36	8.27	7.77	7.49	****
		CITIGROUP BB & B	6.52	10.50	15.68	4.84	5.83	6.49	6.55
		CITIGROUP BB & B CAPPED	6.16	10.11	15.16	5.96	6.30	****	****
		ENHANCED YIELD MEDIAN	6.28	11.01	16.52	7.91	7.93	8.51	****
		ETI							
2.48	0.10	ACCESS/RBC	1.33	5.83	5.54	8.76	****	****	****
0.10	0.00	CCB-PPAR	5.28	10.79	13.27	9.62	****	****	****
0.10	0.00	CCD-PPAR	0.56	6.38	8.34	9.42	****	****	****
0.11	0.00	LIIF-PPAR	-2.28	3.63	5.99	****	****	****	****
0.01	0.00	NCBCI-PPAR	-1.54	3.11	5.47	****	****	****	****
8.60	0.34	AFL-CIO HOUSING INV TRUST	2.77	7.67	7.75	7.43	****	****	****
0.95	0.04	CPC REVOLVING	0.54	1.53	2.07	3.44	****	****	****
12.36	0.48	TOTAL ETI WITH CASH	2.25	6.74	6.83	7.37	7.63	5.37	5.31
		BARCLAYS CAPITAL AGGREGATE	2.48	7.94	8.16	7.42	6.20	6.41	6.43
		BERS CUSTOM ETI INDEX (NO CASH)	2.06	6.99	7.22	7.04	****	****	****
42.03	1.64	SHORT TERM INVESTMENTS	0.14	0.47	0.72	2.24	3.42	3.27	4.09
0.40	0.02	BNY - CD	****	****	****	****	****	****	****
756.75	29.58	TOTAL FIXED	3.40	9.12	10.60	7.73	6.56	6.98	6.84
1.520.06		SECURITIES LENDING	***	***	****	***	***	***	****
2558.51	100.00	TOTAL BOARD OF EDUCATION	10.09	7.41	11.60	-1.60	4.30	3.85	7.31
		BOARD OF ED POLICY BENCHMARK	10.15	5.80	9.67	-2.31	3.59	3.28	6.82

## **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

Small Cap Small Cap Value Small Cap Growth	2009  BASIS POINTS  26.65	2010 BASIS POINTS
Small Cap  Small Cap Core  Small Cap Value  Small Cap Growth	26.65	
Small Cap Core Small Cap Value Small Cap Growth		
Small Cap Core Small Cap Value Small Cap Growth	_	41.94
Small Cap Growth		-
	17.31	
	34.15	41.94
Small Cap Fundamental	-	-
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 A ptiviet		52.26
Activist Environmental	-	
Fixed Income	-	-
Int'l Active Equities (EAFE)	19.27	29.00
Int'l Passive Equities (EAFE)	-	25.00
Emerging Markets	43.94	54.93

## **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 2010
	2009	
NVESTMENT 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
Credit Sector	-	0.23
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
n-House Short Term	-	-
Total Overall*	13.35	17.12
*Only Public Markets fees are calculated in the overall t	otal	

# **Securities Lending Income**

hrough Septembe	er 30, 2010		
	U.S.	U.S.	INTERNATIONAL
	FIXED INCOME	<b>EQUITY</b>	<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 (9 Months)	186,000	537,000	243,000
Since Inception	<u>\$6,890,000</u>	\$8,562,000	<u>\$2,847,000</u>

### **Footnotes**

### Through September 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 September 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 September 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 \* 42.61%

International Developed (EAFE) Markets: MSCI EAFE \* 21% International Emerging Markets: MSCI Emerging Markets \* 4% Private Equity: Russell 3000 + 500 b.p. per annum \* 2.39%

Domestic Fixed Income: NYC Core +5 \*22% TIPS: Barclays Capital U.S. TIPS \*3%

Enhanced Yield: Citigroup BB&B \* 5%

## **Glossary of Terms**

#### **Through September 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