



Monthly Performance Review <u>November 2017</u>

Prepared for the New York City Board of Education Retirement System 01.2018



THE CITY OF NEW YORK OFFICE OF THE COMPTROLLER

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CITY OF NEW YORK NYC Board of Education Retirement System Market Indicator Report November 30, 2017



MARKET INDICATORS								
	1 Month	3 Month	Fiscal YTD	<u>1 Year</u>	2 Year	<u>3 Year</u>	<u>5 Year</u>	<u>10 Year</u>
S&P 500	3.07	7.65	10.20	22.87	15.23	10.91	15.74	8.30
S&P 400 MIDCAP	3.68	10.17	9.44	18.53	15.85	11.37	15.46	9.92
RUSSELL 1000	3.05	7.66	10.13	22.61	15.08	10.73	15.69	8.40
RUSSELL 2000	2.88	10.23	9.64	18.34	15.16	11.14	15.02	8.75
RUSSELL 3000	3.04	7.85	10.10	22.27	15.08	10.75	15.63	8.43
RUSSELL 3000 GROWTH	3.03	8.56	13.16	30.25	16.53	12.95	17.03	9.82
RUSSELL 3000 VALUE	3.05	7.14	7.14	14.70	13.64	8.53	14.16	6.95
MSCI EAFE NET	1.05	5.14	8.13	27.27	10.73	5.97	8.24	1.55
MSCI EMF NET	0.20	3.30	11.90	32.82	20.03	6.15	4.61	1.36
MSCI WORLD NET	2.17	6.43	9.13	23.66	12.94	8.19	11.75	4.76
MSCI EUROPE SMID CAP NET	0.05	4.43	9.28	34.54	12.12	9.87	12.12	3.64
MSCI AC WORLD ex US NET	0.81	4.62	9.04	27.59	12.94	5.74	7.06	1.47
NYC - TREASURY AGENCY PLUS FIVE	0.07	(1.61)	0.45	3.60	2.44	2.25	1.73	5.00
Citigroup USBIG Treasury 1-3 Y Index	(0.20)	(0.44)	(0.03)	0.44	0.58	0.51	0.56	1.44
Citigroup USBIG Treasury/Agency 1-10 y	(0.30)	(1.00)	(0.08)	1.06	0.98	1.01	0.87	2.74
Citigroup Treasury 10+	0.71	(1.53)	1.22	6.19	4.01	3.22	2.79	6.37
CITIGROUP MORTGAGE	(0.11)	(0.39)	0.81	2.18	1.88	1.82	2.00	3.85
NYC - INVESTMENT GRADE CREDIT	(0.12)	(0.02)	1.45	5.70	4.96	3.29	3.01	5.18
CITIGROUP BROAD INVESTMENT GRADE	(0.12)	(0.54)	0.76	3.24	2.72	2.12	1.98	4.04

CITY OF NEW YORK NYC Board of Education Retirement System Market Indicator Report November 30, 2017



MARKET INDICATORS								
	1 Month	3 Month	Fiscal YTD	<u>1 Year</u>	2 Year	3 Year	5 Year	10 Year
NYC - CORE PLUS FIVE	(0.07)	(0.49)	1.02	4.03	3.33	2.54	2.39	4.68
BARCLAYS AGGREGATE	(0.13)	(0.55)	0.78	3.21	2.69	2.11	1.98	3.99
CITIGROUP BB & B	(0.14)	1.10	2.24	8.50	9.57	5.17	5.49	6.51
CITIGROUP BB & B CAPPED	(0.13)	1.14	2.28	8.40	9.34	5.06	5.43	6.76
BofA ML HIGH YIELD MASTER II	(0.27)	1.02	2.15	9.28	10.75	5.76	6.08	7.89
CSFB LEVERAGED LOAN	0.12	1.19	1.85	5.03	6.31	3.98	4.40	4.56
BARCLAYS GLOBAL US TIPS	0.13	(0.30)	1.21	1.97	2.96	1.36	(0.18)	3.42
BofA ML U.S. Convertible – Yield Alternative	0.94	1.55	2.39	9.47	7.69	2.49	4.70	4.80
BofA ML US Invt Grade Conv Bond Index	0.57	7.20	11.30	25.38	17.93	12.09	14.81	7.10
BofA ML ALL CONVERTIBLES EX MANDATORY	(0.11)	3.80	6.37	17.18	12.47	7.57	11.83	7.98
DJ US SELECT REAL ESTATE	3.07	2.22	2.34	8.60	6.31	5.56	9.89	6.38
NCREIF NFI - ODCE NET*	0.00	1.64	1.64	6.70	7.89	9.84	10.57	4.08
CPI + 4%	0.72	2.04	3.23	6.32	6.04	5.51	5.43	
91 DAY TREASURY BILL	0.08	0.26	0.44	0.79	0.55	0.37	0.25	0.41

CITY OF NEW YORK NYC Board of Education Retirement System Market Indicator Report December 31, 2017

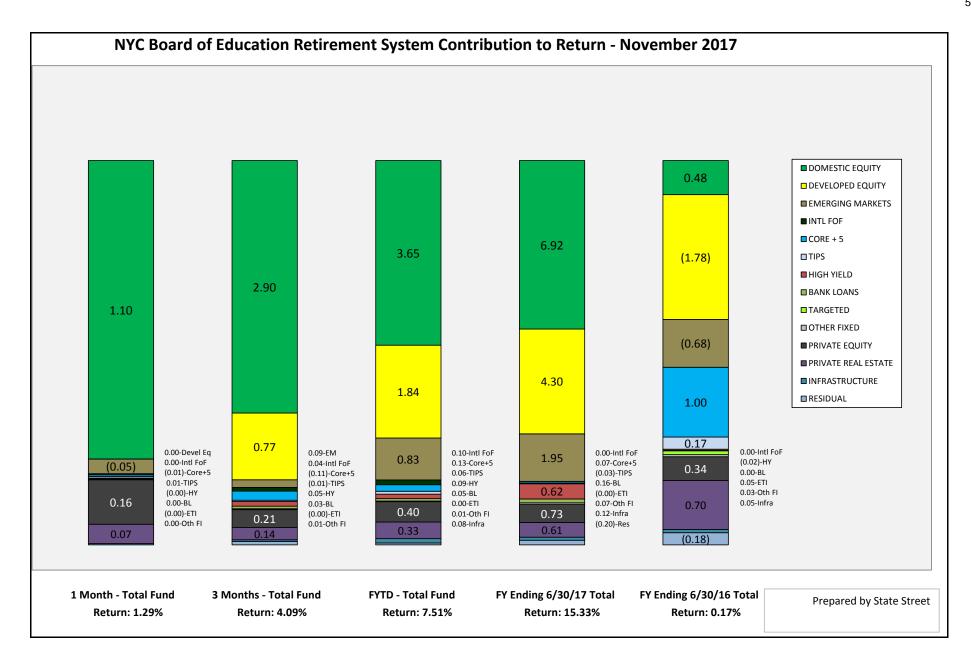


MARKET INDICATORS								
	1 Month	3 Month	Fiscal YTD	<u>1 Year</u>	<u>2 Year</u>	<u>3 Year</u>	<u>5 Year</u>	<u>10 Year</u>
S&P 500	1.11	6.64	11.42	21.83	16.79	11.41	15.79	8.50
S&P 400 MIDCAP	0.22	6.25	9.68	16.24	18.47	11.14	15.01	9.97
RUSSELL 1000	1.11	6.59	11.36	21.69	16.77	11.23	15.71	8.59
RUSSELL 2000	(0.40)	3.34	9.20	14.65	17.93	9.96	14.12	8.71
RUSSELL 3000	1.00	6.34	11.20	21.13	16.86	11.12	15.58	8.60
RUSSELL 3000 GROWTH	0.73	7.61	13.98	29.59	17.97	13.51	17.16	9.93
RUSSELL 3000 VALUE	1.28	5.08	8.51	13.19	15.77	8.71	13.95	7.19
MSCI EAFE NET	1.61	4.23	9.86	25.03	12.38	7.80	7.90	1.94
MSCI EMF NET	3.59	7.44	15.92	37.28	23.55	9.10	4.35	1.68
MSCI WORLD NET	1.35	5.51	10.61	22.40	14.71	9.26	11.64	5.03
MSCI EUROPE SMID CAP NET	2.48	3.42	11.99	32.50	13.89	11.34	11.81	4.18
MSCI AC WORLD ex US NET	2.24	5.00	11.48	27.19	15.29	7.83	6.80	1.84
NYC - TREASURY AGENCY PLUS FIVE	0.74	0.67	1.20	4.66	2.92	2.18	2.10	5.07
Citigroup USBIG Treasury 1-3 Y Index	0.01	(0.26)	(0.02)	0.42	0.64	0.60	0.55	1.41
Citigroup USBIG Treasury/Agency 1-10 y	0.02	(0.40)	(0.06)	1.11	1.09	1.11	0.90	2.71
Citigroup Treasury 10+	1.73	2.36	2.97	8.60	4.90	2.80	3.55	6.60
CITIGROUP MORTGAGE	0.28	0.10	1.09	2.47	2.03	1.87	2.02	3.85
NYC - INVESTMENT GRADE CREDIT	0.80	1.02	2.27	6.04	5.80	3.60	3.16	5.25
CITIGROUP BROAD INVESTMENT GRADE	0.47	0.39	1.23	3.60	3.13	2.25	2.09	4.07

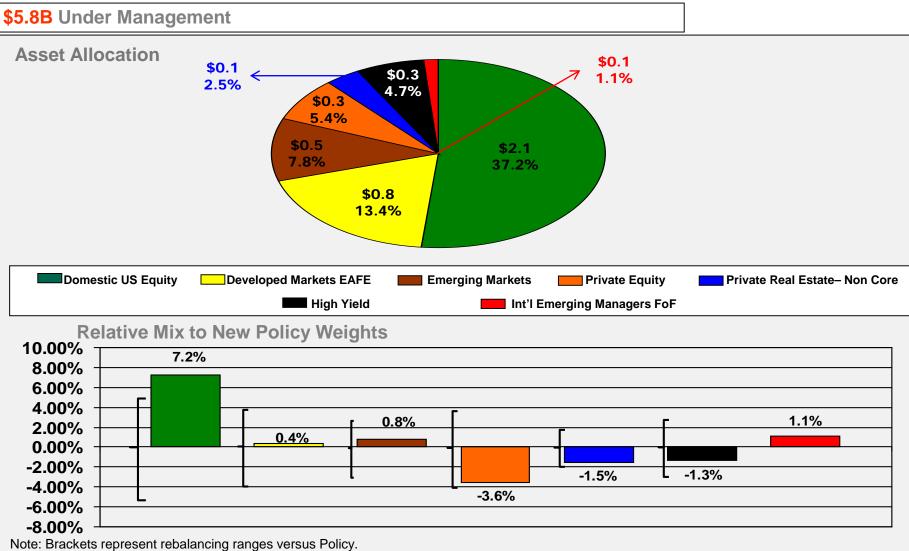
CITY OF NEW YORK NYC Board of Education Retirement System Market Indicator Report December 31, 2017



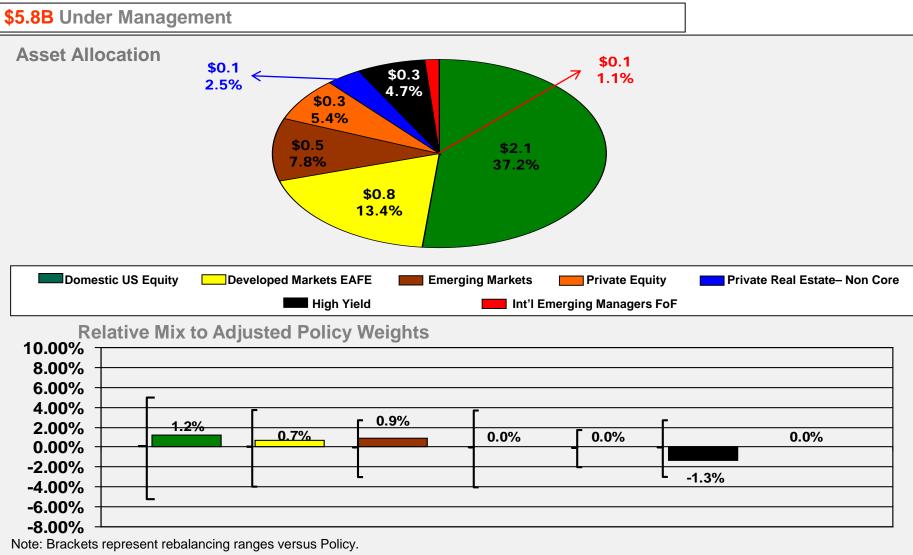
MARKET INDICATORS								
	1 Month	3 Month	Fiscal YTD	<u>1 Year</u>	2 Year	3 Year	<u>5 Year</u>	<u>10 Year</u>
NYC - CORE PLUS FIVE	0.61	0.63	1.64	4.51	3.85	2.69	2.54	4.73
BARCLAYS AGGREGATE	0.46	0.39	1.24	3.54	3.09	2.24	2.10	4.01
CITIGROUP BB & B	0.28	0.52	2.52	7.03	11.17	5.79	5.26	6.50
CITIGROUP BB & B CAPPED	0.27	0.56	2.56	6.94	10.95	5.66	5.19	6.73
BofA ML HIGH YIELD MASTER II	0.29	0.41	2.45	7.48	12.37	6.39	5.80	7.89
CSFB LEVERAGED LOAN	0.39	1.17	2.24	4.25	7.03	4.50	4.33	4.57
BARCLAYS GLOBAL US TIPS	0.92	1.26	2.14	3.01	3.84	2.05	0.13	3.53
BofA ML U.S. Convertible – Yield Alternative	0.57	1.31	2.97	9.45	9.70	3.16	4.47	5.07
BofA ML US Invt Grade Conv Bond Index	(0.96)	4.64	10.23	20.99	17.56	12.01	14.57	7.08
BofA ML ALL CONVERTIBLES EX MANDATORY	0.01	1.83	6.38	15.70	13.69	7.92	11.43	8.11
DJ US SELECT REAL ESTATE	0.03	1.98	2.37	3.76	5.20	4.95	9.08	6.98
CPI + 4%	0.48	1.64	3.73	6.20	6.19	5.69	5.46	
91 DAY TREASURY BILL	0.11	0.28	0.55	0.86	0.59	0.41	0.27	0.39



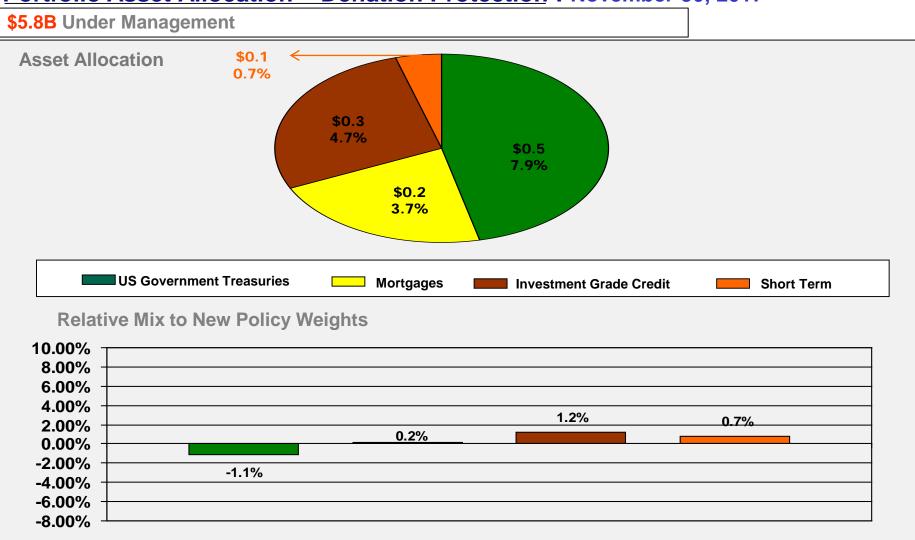
Portfolio Asset Allocation – Growth : November 30, 2017



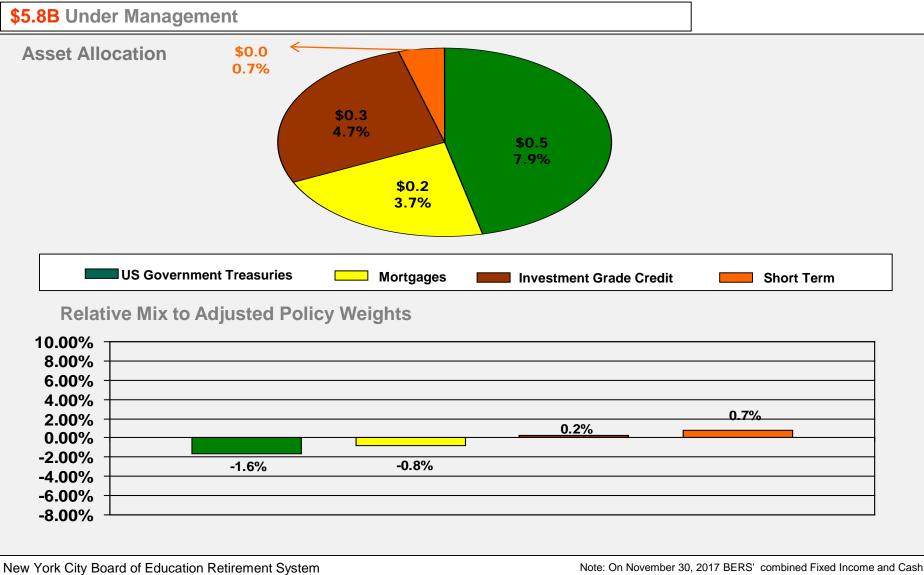
Portfolio Asset Allocation – Growth : November 30, 2017



Note: On November 30, 2017 BERS' combined Fixed Income and Cash portfolios have a duration of 6.3 years. The duration of the Barclays US Aggregate Index was 5.9 years on that date.



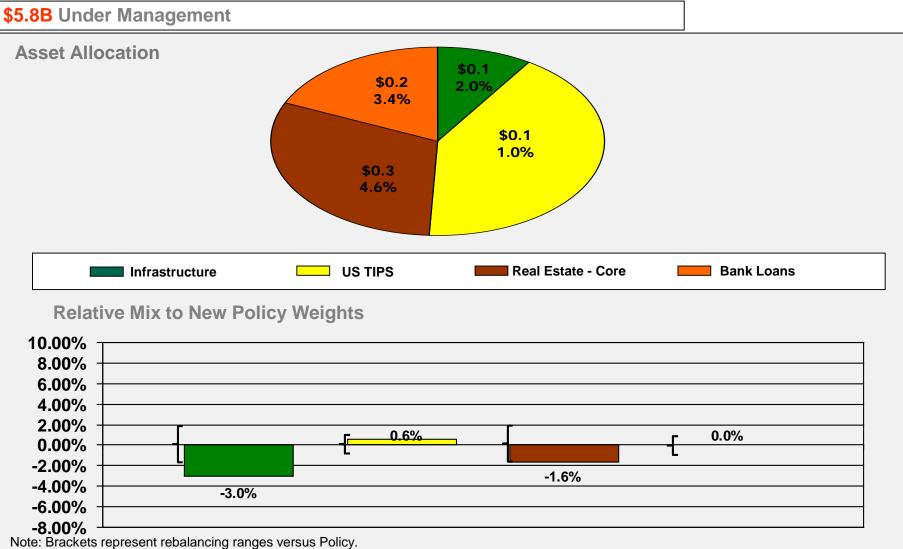
Portfolio Asset Allocation – Deflation Protection : November 30, 2017



Portfolio Asset Allocation – Deflation Protection : November 30, 2017

New York City Board of Education Retirement System Performance Overview as of November 30, 2017 Prepared by State Street Note: On November 30, 2017 BERS' combined Fixed Income and Cash portfolios have a duration of 6.3 years. The duration of the Barclays US Aggregate Index was 5.9 years on that date.

Portfolio Asset Allocation – Inflation Protection : November 30, 2017



New York City Board of Education Retirement System Performance Overview as of November 30, 2017 Prepared by State Street

Portfolio Asset Allocation – Inflation Protection : November 30, 2017 **\$5.8B** Under Management **Asset Allocation** \$0.1 \$0.2 2.0% 3.4% \$0.1 1.0% \$0.3 4.6% Real Estate - Core Bank Loans Infrastructure **US TIPS Relative Mix to Adjusted Policy Weights** 10.00% 8.00% 6.00% 4.00% 2.00% 0.0% 0.0% 0.0% 0.00% -0.2% -2.00% -4.00% -6.00% -8.00% Note: Brackets represent rebalancing ranges versus Policy.

New York City Board of Education Retirement System Performance Overview as of November 30, 2017 Prepared by State Street Note: On November 30, 2017 BERS' combined Fixed Income and Cash portfolios have a duration of 6.3 years. The duration of the Barclays US Aggregate Index was 5.9 years on that date.

NEW YORK CITY BOARD OF EDUCATION RETIREMENT SYSTEM CLASSIFICATION OF INVESTMENTS (as of November 30th, 2017)

ET CLASS ALLOCATIONS	In \$MM	Actual	Policy Target	Adjustment	Adjusted Policy	Adjusted Target Range ***
TOTAL EQUITIES	\$4,127.4	71.7%	72.0%	NA	68.9 %	63.9% - 73.9%
TOTAL FIXED INCOME	\$1,627.2	28.3%	28.0%	NA	31.1%	26.1% - 36.1%
TOTAL ASSETS	\$5,754.6	100.0%	100.0%	NA	100.0%	
	In \$MM	Actual	Policy Target	Adjustment	Adjusted Policy	Adjusted Target Range ***
US Equities	\$2,137.9	37.2%	30.0%	6.0%	36.0%	31.0% - 41.0%
Non-US Equities/EAFE	\$772.7	13.4%	13.0%	0.1%	13.1%	9.1% - 17.1%
Emerging Markets	\$451.3	7.8%	7.0%	0.5%	7.5%	4.5% - 10.5%
Non-US Emerging Mgrs. FoF	\$61.2	1.1%	0.0%	NA	0.0%	-
TOTAL PUBLIC EQUITY	\$3,423.1	59.5%	50.0%	6.7%	56.7%	
* REAL ESTATE - CORE	\$193.8	3.4%	5.0%	NA	3.4%	1.4% - 5.4%
* REAL ESTATE - OPPORTUNISTIC	\$143.2	2.5%	4.0%	NA	2.5%	0.5% - 4.5%
* PRIVATE EQUITY	\$309.1	5.4%	9.0%	NA	5.4%	1.4% - 9.4%
PRIVATE INFRASTRUCTURE	\$58.1	1.0%	4.0%	NA	1.0%	-1.0% - 3.0%
TOTAL EQUITIES	\$4,127.4	71.7%	72.0%	NA	68.9%	63.9% - 73.9%
	In \$MM	Actual	Policy Target	Adjustment	Adjusted Policy	Adjusted Target

	In \$MM	Actual	Policy Target	Adjustment	Adjusted Policy	Adjusted Target Range ^{***}
U.S. Treasuries – All Maturities	\$452.4	7.9%	0.0%	NA	0.0%	-5.0% - 5.0%
U.S. Treasuries - Longer Than Five Years	\$0.0	0.0%	9.0%	0.5%	9.5%	4.5% - 14.5%
Core Mortgage-Backed Securities	\$177.2	3.1%	1.5%	0.9%	2.4%	1.4% - 3.4%
Credit - Investment Grade Corporates	\$268.9	4.7%	3.5%	0.9%	4.4%	3.4% - 5.4%
High Yield	\$271.0	4.7%	6.0%	NA	6.0%	3.0% - 9.0%
Bank Loans	\$116.6	2.0%	2.0%	NA	2.0%	1.0% - 3.0%
Total High Yield & Bank Loans	\$387.6	6.7%	8.0%	0.0%	8.0%	3.0% - 9.0%
TIPS	\$264.8	4.6%	4.0%	0.7%	4.7%	3.7% - 5.7%
**ETI	\$33.8	0.6%	2.0%	NA	2.0%	1.0% - 3.0%
Cash	\$42.6	0.7%	0.0%	NA	0.0%	0.0% - 0.0%
TOTAL PUBLIC FIXED INCOME	\$1,627.2	28.3%	28.0%	NA	31.1%	
TOTAL FIXED INCOME	\$1,627.2	28.3%	28.0%	NA	31.1%	26.1% - 36.1%

* Ranges for illiquid asset classes represent minimums and maximums which will be monitored and will influence pacing analysis but will not necessarily result in purchases or sales.

** ETIs have a policy of 2% of the total Fund. The ETI adjusted policy % is shown for illustrative purposes only and is not included in the sub-totals. The ETI policy % is included within the policy % of the other asset classes.

*** Adjusted Target Ranges are calculated as follows: Total Equities: +/-5%; Total Fixed Income: +/-5%; US Equities: +/-5%; Non-US Equities/EAFE: +/-4%; Emerging Markets: +/-3%; Real Estate Core: +/-2%; Real Estate Corportunistic: +/-2%; Private Equity: +/-4%; US Treasuries All Maturities: +/-5%; US Treasuries Longer than 5 Years: +/-5%; Mortgage Backed Securities: +/-1%; Investment Grade Corporates: +/-1%; TIPS: +/-1%; High Yield: +/-3%; Bank Loans: +/-1%.

NEW YORK CITY BOARD OF EDUCATION RETIREMENT SYSTEM CLASSIFICATION OF INVESTMENTS (as of November 30th, 2017)

Adjustments to Long-Term Asset Allocation

1) Private Equity

100% of uninvested commitments will be invested in Domestic Equity.

2) Real Estate Core

40% of uninvested commitments will be invested in US Equity, 12% of uninvested commitments will be invested in US Treasuries, 24% of uninvested commitments will be invested in Investment Grade Corporates, and 24% of uninvested commitments will be invested in Mortgage Backed Securities.

3) Real Estate Opportunistic

60% of uninvested commitments will be invested in US Equity, 8% of uninvested commitments will be invested in US Treasuries, 16% of uninvested commitments will be invested in Investment Grade Corporates, and 16% of uninvested commitments will be invested in Mortgage Backed Securities.

4) Infrastructure

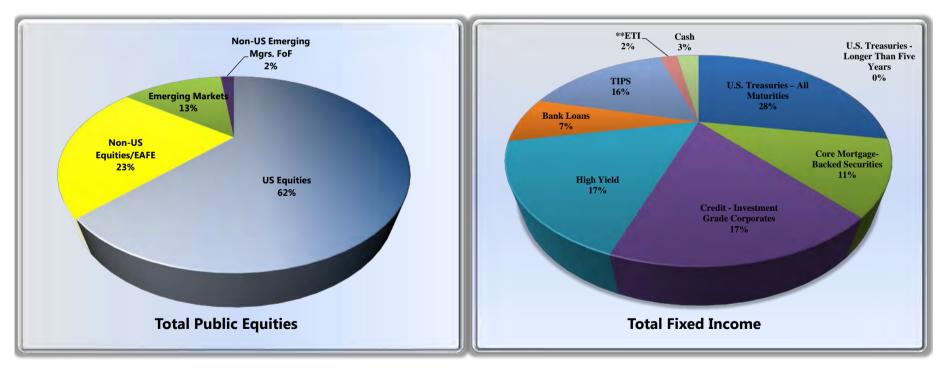
27% of uninvested commitments will be invested in US Equity, 18% of uninvested commitments will be invested in Developed Ex-US Equity, 5% of uninvested commitments will be invested in US Treasuries, 10% of uninvested commitments will be invested in Investment Grade Corporates, 10% of uninvested commitments will be invested in TIPS.

Impact of Adjustments

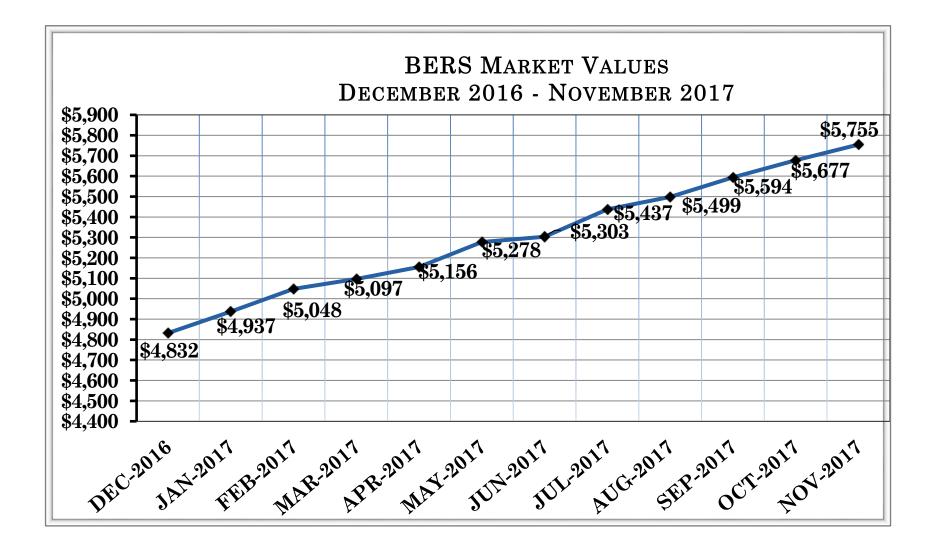
1) U.S. Treasuries - Longer Than Five Years	9.0%
12% of uninvested Real Estate Core	0.2%
8% of uninvested Real Estate Opportunistic	0.1%
5% of uninvested Private Infrastructure	0.1%
Total U.S. Treasuries - Longer Than Five Years	9.5%
2) Credit - Investment Grade Corporates	3.5%
24% of uninvested Real Estate Core	0.4%
16% of uninvested Real Estate Opportunistic	0.2%
10% of uninvested Private Infrastructure	0.3%
Total Credit - Investment Grade Corporates	4.4%
3) Core Mortgage-Backed Securities	1.5%
24% of uninvested Real Estate Core	0.4%
16% of uninvested Real Estate Opportunistic	0.2%
10% of uninvested Private Infrastructure	0.3%
Total Core Mortgage-Backed Securities	2.4%
4) Domestic Equity	30.0%
100% of uninvested Private Equity	3.6%
40% of uninvested of uninvested Real Estate Core	0.7%
60% of uninvested Real Estate Opportunistic	0.9%
27% of uninvested Private Infrastructure	0.8%
Total Domestic Equity	36.0%

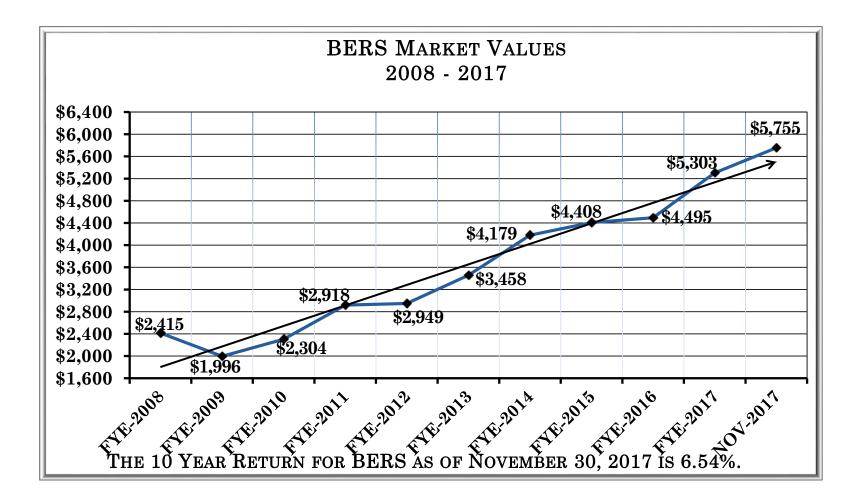
NEW YORK CITY BOARD OF EDUCATION RETIREMENT SYSTEM CLASSIFICATION OF INVESTMENTS (as of November 30th, 2017)

5) Treasury Inflation Protected Securities	4.0%
25% of uninvested Private Infrastructure	0.7%
Total Treasury Inflation Protected Securities	4.7%
6) Non-U.S. Equity - Emerging Markets	7.0%
5% of uninvested Private Infrastructure	0.1%
Total Non-U.S. Equity - Emerging Markets	7.1%
7) Non-U.S. Equity - Developed Mkts.	13.0%
18% of uninvested Private Infrastructure	0.5%
Total Non-U.S. Equity	13.5%



Note: Totals may not equal 100% due to rounding





Manager / Benchmark Comparison Report

Rates of Return - Net Mgr

Periods Ending November 30, 2017

.	Assets (\$MM)	% of Total	Trailing 1 Month	Trailing 3 Month	FYTD	CYTD	FYE 6/30/17	CYE 12/31/16	CYE 12/31/15	CYE 12/31/14	Trailing 1 Year	Inception Date
ASSET CLASS SUMMARY												
BERS-TOTAL DOM EQUITY	2,137.89	37.15	3.02	8.01	10.16	20.27	19.03	12.57	0.39	11.14	22.53	Sep-01-91
BERS-TOTAL DEVELOPED EQUITY	772.71	13.43	0.00	5.70	13.07	32.49	26.55	5.93	(4.98)	(5.04)	35.25	Nov-01-92
BERS-TOTAL EMERGING (INTL)	451.34	7.84	(0.67)	1.10	10.45	33.27	30.10	12.53	(15.14)	3.77	34.06	Nov-01-97
BERS-TOTAL INTL FOF	61.20	1.06	0.40	3.98	8.93							May-01-17
BERS-TOTAL STRUCTURED	898.40	15.61	(0.04)	(0.66)	0.80	3.48	0.48	3.89	0.20	7.58	3.75	Jan-01-85
BERS-TOTAL TIPS MANAGERS	264.80	4.60	0.11	(0.30)	1.23	2.09	(0.68)	4.78	(0.85)	3.27	1.97	Jun-01-05
BERS-TOTAL HIGH YIELD	271.04	4.71	(0.05)	1.09	1.80	6.47	11.98	15.60	(4.66)	2.75	8.51	Aug-01-97
BERS-TOTAL BANK LOANS	116.56	2.03	0.13	1.43	2.28	4.05	6.82	8.48	0.12	1.99	5.21	Dec-01-12
TOTAL BOE ETI (w/o cash)	33.79	0.59	(0.08)	(0.83)	0.61	3.65	(0.05)	2.31	3.30	6.96	3.02	Dec-01-84
BERS-TOTAL PRIVATE EQUITY	309.14	5.37	3.12	3.92	7.72	16.82	14.62	9.19	12.71	20.52	17.94	Jul-01-06
BERS-TOTAL PRIVATE REAL ESTATE	336.98	5.86	1.23	2.40	5.66	12.28	10.79	10.16	14.98	12.58	12.63	Dec-01-10
BERS-TOTAL INFRASTRUCTURE	58.13	1.01	0.49	2.03	9.79	21.34	14.78	8.08	9.15	9.58	22.72	Dec-01-13
BERS-TOTAL CASH	36.56	0.64	0.11	0.27	0.51	1.02	0.73	0.56	0.40	0.27	1.07	Apr-01-04
SECURITY LENDING	6.04	0.10										Apr-01-04
BERS-TOTAL BOARD OF ED.	5,754.57	100.00	1.29	4.09	7.51	17.34	15.33	9.19	(0.44)	6.39	18.87	Jul-01-87
BERS-TOTAL EQUITY	3,423.13	59.49	1.78	6.45	10.94	25.12	22.49	10.66	(2.33)	5.91	27.36	Apr-01-04
BERS-TOTAL FIXED INCOME (MINUS SS)	1,584.59	27.54	(0.01)	(0.15)	1.14	3.71	2.82	6.51	(0.81)	5.53	4.32	Apr-01-04
BERS-TOTAL PRIVATE EQUITY	309.14	5.37	3.12	3.92	7.72	16.82	14.62	9.19	12.71	20.52	17.94	Jul-01-06
BERS-TOTAL PRIVATE REAL ESTATE	336.98	5.86	1.23	2.40	5.66	12.28	10.79	10.16	14.98	12.58	12.63	Dec-01-10
BERS-TOTAL INFRASTRUCTURE	58.13	1.01	0.49	2.03	9.79	21.34	14.78	8.08	9.15	9.58	22.72	Dec-01-13
BERS-TOTAL CASH	36.56	0.64	0.11	0.27	0.51	1.02	0.73	0.56	0.40	0.27	1.07	Apr-01-04
SECURITY LENDING	6.04	0.10										Apr-01-04
BERS-TOTAL BOARD OF ED.	5,754.57	100.00	1.29	4.09	7.51	17.34	15.33	9.19	(0.44)	6.39	18.87	Jul-01-87
Board of Education Policy Benchmark			1.29	3.97	6.46	15.10	13.39	8.66	(0.08)	6.93	16.74	Jun-01-94

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Manager / Benchmark Comparison Report

Rates of Return - Net Mgr

· · · · · · · · · · · · · · · · · · ·	Ending Market Value	%	4 Marsh	2 Manuth	EVED	OVED	2010	2045
	(\$MM)	of Total	1 Month	3 Month	FYTD	CYTD	2016	2015
ASSET CLASS SUMMARY								
BERS-TOTAL BOARD OF ED.		400.00	1.00	4.00	7.54	17.04	0.40	
Board of Education Policy Benchmark	5,755	100.00	1.29	4.09	7.51	17.34	9.19	(0.44)
			1.29	3.97	6.46	15.10	8.66	(0.08)
Excess			0.00	0.12	1.06	2.24	0.53	(0.36)
BERS-TOTAL EQUITY (INCL PE & RA)	4,127	71.72	1.81	5.87	10.24	23.37	10.42	(0.43)
BERS-TOTAL FIXED INCOME (MINUS SS)	1,585	27.54	(0.01)	(0.15)	1.14	3.71	6.51	(0.81)
EQUITY SUMMARY								
NYC BERS BLACKROCK R2000 GROWTH	97	1.68	2.86	10.12	10.96	22.05	11.29	(1.30)
RUSSELL 2000 GROWTH DAILY			2.87	10.15	10.96	22.03	11.32	(1.38)
Excess			(0.01)	(0.03)	0.00	0.02	(0.02)	0.08
NYC BERS BLACKROCK R2000 VALUE	89	1.55	2.85	10.26	8.24	8.23	31.71	(7.38)
RUSSELL 2000 VALUE DAILY			2.89	10.32	8.29	8.88	31.74	(7.47)
Excess			(0.04)	(0.06)	(0.05)	(0.65)	(0.03)	0.09
Wellington Mgmt MCC	147	2.56	2.94	9.51	10.30	24.16	12.28	1.76
S&P MID CAP 400		2.00	3.68	10.17	9.44	15.99	20.74	(2.18)
Excess			(0.73)	(0.67)	0.86	8.17	(8.45)	3.94
NYC BERS BLACKROCK R1000 GROWTH	909	15.80	3.03	8.42	13.34	29.23	7.06	5.78
RUSSELL 1000 GROWTH - DAILY			3.04	8.42	13.34	29.21	7.08	5.67
Excess			(0.01)	0.00	(0.01)	0.03	(0.02)	0.12
NYC BERS BLACKROCK R1000 VALUE	885	15.38	3.05	6.87	7.04	12.01	17.31	(3.81)
RUSSELL 1000 VALUE (DAILY)			3.06	6.89	7.04	12.03	17.34	(3.83)
Excess			(0.01)	(0.01)	0.00	(0.02)	(0.03)	0.01
FUND OF FUNDS								
BERS-TOTAL FUND OF FUNDS	11	0.19	2.56	10.51	8.58			
RUSSELL 2000 (DAILY)			2.88	10.23	9.64			
Excess			(0.32)	0.27	(1.06)			
			N /		X - 1 - 7			



Manager / Benchmark Comparison Report

Rates of Return - Net Mgr

· · · · · · · · · · · · · · · · · · ·	Ending Market Value	%						
	(\$MM)	of Total	1 Month	3 Month	FYTD	CYTD	2016	2015
BERS-TOTAL LEGATO	11	0.19	2.57	10.53	8.65			
RUSSELL 2000 (DAILY)	11	0.15	2.88	10.23	9.64			
Excess			(0.31)	0.30	(0.99)			
LEG-ALTRAVUE SCV	2	0.03	(0.40)	10.97	8.53			
RUSSELL 2000 VALUE DAILY			2.89	10.32	8.29			
Excess			(3.29)	0.65	0.24			
LEG-BOWLING SCV		0.02	0.00	0.00	0.77			
RUSSELL 2000 VALUE DAILY	2	0.03	2.03	9.88	9.77			
Excess				10.32	1.48			
			(0.86)	(0.45)	1.48			
LEG-BRIDGE CITY SCG	2	0.04	3.99	12.21	9.29			
RUSSELL 2000 GROWTH DAILY			2.87	10.15	10.96			
Excess			1.12	2.06	(1.67)			
LEG-DEAN SCV	2	0.04	3.95	10.58	6.03			
RUSSELL 2000 VALUE DAILY			2.89	10.32	8.29			
Excess			1.06	0.26	(2.26)			
LEG-ESSEX SCG	2	0.03	2.34	10.95	12.80			
RUSSELL 2000 GROWTH DAILY			2.87	10.15	10.96			
Excess			(0.54)	0.80	1.84			
LEG-PACIFIC SCG				0.00	5.40			
RUSSELL 2000 GROWTH DAILY	2	0.03	2.94	8.06	5.48			
Excess			2.87	10.15	10.96			
			0.07	(2.09)	(5.48)			
NON - US EQUITY								
Sprucegrove MTA (BOE)	322	5.60	0.34	5.67	11.05	23.54	11.14	(9.56)
NYC Developed Value Benchmark			1.01	5.05	8.53	20.60	5.02	(5.68)
Excess			(0.67)	0.63	2.52	2.94	6.12	(3.87)
Baillie Gifford MTA	332	5.78	(0.39)	5.88	15.26	42.93	0.70	(3.81)
NYC Developed Growth Benchmark	552	5.70	1.01	5.05	7.57	25.51	(3.04)	4.09
Excess			(1.40)	0.83	7.70	17.42	3.74	(7.90)
			(0.10)	0.00	1.10	11.74	0.14	(1.00)



Manager / Benchmark Comparison Report

Rates of Return - Net Mgr

	Ending Market Value	%						
	(\$MM)	of Total	1 Month	3 Month	FYTD	CYTD	2016	2015
an	118	2.05	0.19	5.35	12.65	34.51	6.41	8.68
EPAC Small Cap USD NET	110	2.00	1.87	6.29	10.65	29.88	1.34	8.58
35			(1.69)	(0.94)	2.00	4.63	5.07	0.09
S-TOTAL INTL FOF	61	1.06	0.40	3.98	8.93			
I ACWI ex USA IMI Net			0.91	4.76	9.25			
35			(0.51)	(0.77)	(0.32)			
S-TOTAL INTL FIS	61	1.06	0.40	3.98	8.93			
I ACWI ex USA IMI Net			0.91	4.76	9.25			
38			(0.51)	(0.77)	(0.32)			
LGERT EAFE SC	3	0.06	0.90	5.38	11.86			
EAFE SMALL CAP NET (DAILY)			1.58	6.25	11.00			
35			(0.68)	(0.87)	0.86			
TIVO EAFE	9	0.15	0.90	6.21	9.80			
EAFE + Canada Net Index			1.01	5.05	8.15			
55			(0.11)	1.16	1.65			
HANGE GLOBAL EM	8	0.14	(1.87)	(1.53)	6.02			
EMERGING MARKETS			0.20	3.30	11.90			
35			(2.07)	(4.83)	(5.88)			
ENALI EAFE	11	0.19	0.60	4.70	9.61			
EAFE + Canada Net Index			1.01	5.05	8.15			
55			(0.41)	(0.34)	1.47			
UNDAS EAFE	10	0.18	1.33	4.56	6.87			
EAFE + Canada Net Index			1.01	5.05	8.15			
38			0.32	(0.49)	(1.28)			
IETIS EAFE	6	0.10	(0.34)	4.20	7.68			
EAFE			1.05	5.14	8.13			
SS			(1.38)	(0.94)	(0.45)			



Manager / Benchmark Comparison Report

Rates of Return - Net Mgr

	Ending Market							
	Value (\$MM)	% of Total	1 Month	3 Month	FYTD	CYTD	2016	2015
	(\$)	0.1010						2010
FIS-AUBREY EM	5	0.09	0.09	2.88	16.04			
MSCI EMERGING MARKETS			0.20	3.30	11.90			
Excess			(0.11)	(0.42)	4.14			
FIS-OSMOSIS EAFE	8	0.15	1.31	5.93	8.25			
MSCI EAFE			1.05	5.14	8.13			
Excess			0.26	0.80	0.12			
EMERGING MARKETS								
ACADIAN	326	5.66	(0.97)	0.31	9.95	33.46	12.74	(15.14)
MSCI EMERGING MARKETS			0.20	3.30	11.90	32.53	11.19	(14.92)
Excess			(1.17)	(2.99)	(1.95)	0.94	1.55	(0.22)
CONY GT EM BLACKROCK	125	2.18	0.13	3.22	11.74	32.68		
MSCI EMERGING MARKETS	-		0.20	3.30	11.90	32.53		
Excess			(0.07)	(0.09)	(0.16)	0.15		
FIXED INCOME SUMMARY								
STRUCTURED FIXED INCOME								
Blackrock Mortgages	177	3.08	(0.15)	(0.32)	0.87	2.85	2.32	1.73
CITIGROUP MORTGAGE INDEX			(0.11)	(0.39)	0.81	2.18	1.59	1.56
Excess			(0.04)	0.07	0.06	0.67	0.73	0.17
Prudential - Credit	144	2.51	(0.06)	0.03	1.63	5.31	5.86	(0.22)
NYC - Investment Grade Credit		2.01	(0.12)	(0.02)	1.45	5.19	5.56	(0.65)
Excess			0.06	0.06	0.17	0.11	0.30	0.43
Taplin Canida Habacht - Credit	124	2.16	(0.14)	0.23	1.67	6.11	8.02	(3.01)
NYC - Investment Grade Credit			(0.12)	(0.02)	1.45	5.19	5.56	(0.65)
Excess			(0.03)	0.25	0.21	0.92	2.46	(2.36)
State Street Govt	373	6.49	0.09	(1.61)	0.48	4.14	1.23	0.45
NYC - Treasury Agency Plus Five			0.07	(1.61)	0.45	3.88	1.21	0.72
Excess			0.02	0.00	0.03	0.26	0.01	(0.27)



Manager / Benchmark Comparison Report

Rates of Return - Net Mgr

Periods Ending November 30, 2017								
	Ending Market Value	%						
	(\$MM)	of Total	1 Month	3 Month	FYTD	CYTD	2016	2015
SSGA 1-3 Treasury Index	79	1.37	(0.21)	(0.44)	(0.03)	0.44		
Citigroup USBIG Treasury 1-3 Y Index			(0.20)	(0.44)	(0.03)	0.41		
Excess			0.00	0.00	0.00	0.03		
HIGH YIELD								
Loomis Sayles - High Yield	135	2.34	(0.08)	0.89	1.27	6.56	19.92	(7.07)
NYC-Loomis (BoA MLMSTII 7-03/BB&B PRIOR)			(0.27)	1.02	2.15	7.17	17.49	(4.64)
Excess			0.19	(0.13)	(0.88)	(0.61)	2.44	(2.43)
Shenkman - High Yield	136	2.37	(0.03)	1.29	2.32	6.39	11.62	(1.97)
CITIGROUP BB & B			(0.14)	1.10	2.24	6.73	15.48	(4.21)
Excess			0.12	0.19	0.09	(0.34)	(3.85)	2.24
BANK LOANS								
Babson BL	117	2.03	0.13	1.43	2.28	4.05	8.48	0.12
CSFB LEVERAGED LOAN INDEX			0.12	1.19	1.85	3.85	9.88	(0.38)
Excess			0.01	0.24	0.43	0.21	(1.39)	0.51
TIPS								
SSGA TIPS	265	4.60	0.11	(0.30)	1.23	2.09	4.78	
BBG BARC Gbl Inf-Lk: US TIPS (Dly)			0.13	(0.30)	1.21	2.07	4.68	
Excess			(0.02)	0.00	0.02	0.02	0.09	
OTHER FIXED								
AFL-CIO HOUSING INV TRUST	16	0.28	0.01	(0.50)	0.74	2.90	1.94	1.13
BBG BARC Agg (Dly)			(0.13)	(0.55)	0.78	3.07	2.65	0.55
Excess			0.14	0.05	(0.04)	(0.17)	(0.71)	0.58
ACCESS RBC	9	0.15	(0.25)	(0.39)	0.74	2.36	1.61	1.83
Access RBC Benchmark			(0.19)	(0.62)	0.47	1.74	1.52	1.40
Excess			(0.05)	0.22	0.27	0.62	0.09	0.43
CPC CONST FACILITY	1	0.01	(0.04)	1.50	2.22	4.93	(3.95)	12.90
CPC CONST BENCHMARK			0.28	0.84	1.43	3.04	3.03	2.90
Excess			(0.33)	0.65	0.79	1.90	(6.99)	10.01
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Manager / Benchmark Comparison Report

Rates of Return - Net Mgr

Periods Ending November 30, 2017

· •··••• _··••; · ••••, _•·•; -•··	Ending Market Value	%						
	(\$MM)	of Total	1 Month	3 Month	FYTD	CYTD	2016	2015
CFSB-PPAR (GNMA)	0	0.00	(0.12)	(1.73)	(0.34)	3.20	3.21	5.90
GNMA Plus 65bps		0.00	(0.10)	(0.15)	1.07	2.27	2.28	2.02
Excess			(0.03)	(1.57)	(1.41)	0.93	0.93	3.88
CCD-PPAR (GNMA)	0	0.01	(0.32)	(1.81)	(0.33)	2.41	2.78	5.08
GNMA Plus 65bps			(0.10)	(0.15)	1.07	2.27	2.28	2.02
Excess			(0.22)	(1.66)	(1.39)	0.14	0.50	3.06
CCD-PPAR (FNMA)	1	0.02	(0.09)	(2.01)	(0.02)	3.80	3.71	6.69
FNMA Plus 85bps			(0.02)	(0.21)	1.19	3.20	2.38	2.50
Excess			(0.07)	(1.80)	(1.20)	0.60	1.33	4.20
CPC-PPAR (FNMA)	1	0.02	(0.01)	(1.86)	1.15	4.50	6.15	8.96
FNMA Plus 85bps			(0.02)	(0.21)	1.19	3.20	2.38	2.50
Excess			0.01	(1.65)	(0.04)	1.29	3.77	6.46
JPMC-PPAR (FNMA)	3	0.05	(0.12)	(2.00)	(0.06)	8.65	7.94	6.18
FNMA Plus 85bps			(0.02)	(0.21)	1.19	3.20	2.38	2.50
Excess			(0.10)	(1.79)	(1.24)	5.44	5.56	3.68
BOA-PPAR (FNMA)	1	0.02	(0.14)	(2.10)	(0.14)	4.62	4.07	42.03
FNMA Plus 85bps			(0.02)	(0.21)	1.19	3.20	2.38	2.50
Excess			(0.12)	(1.89)	(1.33)	1.41	1.69	39.53
LIIF-PPAR (GNMA)	0	0.00	0.17	(0.67)	0.43	2.64	3.88	3.92
GNMA Plus 65bps			(0.10)	(0.15)	1.07	2.27	2.28	2.02
Excess			0.27	(0.51)	(0.64)	0.37	1.61	1.91
NCBCI-PPAR (GNMA)	0	0.00	(0.13)	(1.61)	(0.01)	2.55	3.51	5.53
GNMA Plus 65bps			(0.10)	(0.15)	1.07	2.27	2.28	2.02
Excess			(0.04)	(1.46)	(1.08)	0.28	1.23	3.52
LIIF-PPAR (FNMA)	2	0.03	(0.09)	(2.02)	0.16	8.64	5.03	6.29
FNMA Plus 85bps			(0.02)	(0.21)	1.19	3.20	2.38	2.50
Excess			(0.07)	(1.81)	(1.03)	5.43	2.65	3.79



STATE STREET

Manager / Benchmark Comparison Report

Rates of Return - Net Mgr

Periods Ending November 30, 2017

	Ending Market							
	Value (\$MM)	% of Total	1 Month	3 Month	FYTD	CYTD	2016 3.46 2.38 1.07 0.55 0.33 0.23 9.19 9.19 10.16	2015
NCBCI-PPAR (FNMA)	0	0.00	0.44	(1.43)	1.06	1.33	3.46	4.97
FNMA Plus 85bps			(0.02)	(0.21)	1.19	3.20	2.38	2.50
Excess			0.45	(1.22)	(0.13)	(1.88)	1.07	2.47
BOARD OF ED. SHORT TERM	37	0.64	0.09	0.23	0.48	0.99	0.55	0.39
91 DAY T-BILL			0.08	0.26	0.44	0.74		0.05
Excess			0.00	(0.03)	0.04	0.24	0.23	0.35
C/D - FAIL FLOAT EARNINGS	0	0.00						
SECURITY LENDING	6	0.10						
PRIVATE EQUITY								
BERS-TOTAL PRIVATE EQUITY	309	5.37	3.12	3.92	7.72	16.82	9.19	12.71
BERS-TOTAL PRIVATE REAL ESTATE	337	5.86	1.23	2.40	5.66	12.28	10.16	14.98
BERS-TOTAL INFRASTRUCTURE	58	1.01	0.49	2.03	9.79	21.34	8.08	9.15

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NYC Board of Education Retirement System Private Equity Portfolio As of June 30, 2017 (in USD)

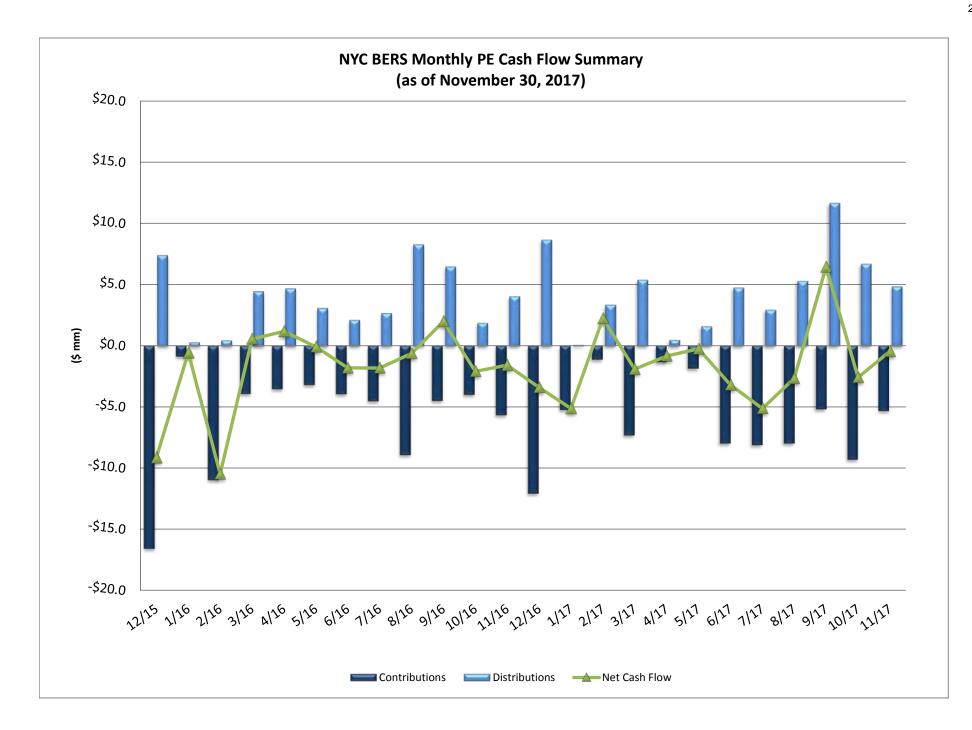
As of June 30, 2017 (in USD)											
/intage Year II		First Drawdown		Committed Capital	Paid-In Capital		Market Value			PME Benchmark ²	PME Spread ³
Active In	vestments										
2005	Mesirow Financial Private Equity Partnership Fund III, L.P.	7/20/2006	\$	57,000,000	\$ 55,093,273	\$ 70,716,309	\$ 20,842,091	1.66x	8.51%	8.51%	0.01%
2006	Mesirow Financial Private Equity Partnership Fund IV, L.P.	3/31/2008		25,000,000	22,842,233	21,125,104	16,541,947	1.65x	10.41%	12.25%	(1.85%)
2006	New York Fairview Private Equity Fund, L.P.	7/14/2006		19,000,000	17,320,307	15,123,127	8,243,543	1.35x	5.94%	9.28%	(3.34%)
2009	Mesirow Financial Private Equity Partnership Fund V, L.P.	3/7/2011		45,000,000	36,014,326	20,482,954	40,828,459	1.70x	16.36%	13.31%	3.05%
2012	Platinum Equity Capital Partners III, L.P.	1/14/2013		15,000,000	14,218,681	12,921,051	11,323,222	1.71x	46.95%	13.54%	33.41%
2012	Warburg Pincus Private Equity XI, L.P.	7/17/2012		25,000,000	23,574,624	6,279,427	26,414,106	1.39x	13.06%	12.41%	0.66%
2013	Apollo Investment Fund VIII, L.P.	12/11/2013		20,000,000	13,219,725	2,159,642	13,901,841	1.21x	14.10%	11.97%	2.13%
2013	Carlyle Partners VI, L.P.	7/3/2013		20,000,000	14,672,305	3,631,139	14,157,548	1.21x	11.81%	10.60%	1.20%
2013	Landmark Equity Partners XV, L.P.	10/30/2013		19,000,000	9,301,821	4,111,833	7,120,398	1.21x	12.38%	11.11%	1.27%
2013	Landmark Equity Partners XV, L.P Side Car	12/24/2013		6,000,000	3,267,826	1,381,046	3,050,222	1.36x	17.03%	8.81%	8.22%
2013	CVC Capital Partners VI, L.P.	2/18/2014		17,424,492	9,612,514	203,584	11,407,046	1.21x	13.32%	12.35%	0.97%
2013	Crestview Partners III, L.P.	3/3/2015		15,000,000	4,598,843	75,827	4,650,509	1.03x	1.73%	10.97%	(9.24%)
2013	Crestview Partners III (Co-Investment B), L.P.	12/17/2015		5,000,000	3,067,127	72,440	3,507,028	1.17x	N/M	N/M	N/M
2014	ASF VI, L.P.	5/9/2014		15,000,000	8,800,287	1,626,338	9,949,369	1.32x	14.98%	11.06%	3.92%
2014	ASF VI NYC Co-Invest, L.P.	5/9/2014		5,000,000	3,363,884	1,362,947	3,330,404	1.40x	17.16%	8.11%	9.05%
2014	Carlyle Partners VI, L.P Side Car	9/23/2014		2,200,000	1,193,842	-	1,249,377	1.05x	2.26%	11.24%	(8.98%)
2014	Lexington Capital Partners VIII, L.P.	1/8/2015		20,000,000	5,625,142	2,554,470	5,419,219	1.42x	30.36%	12.91%	17.45%
2014	Vista Equity Partners Fund V, L.P.	9/8/2014		25,000,000	25,006,780	4,663,717	25,461,650	1.20x	11.25%	10.59%	0.66%
2015	Centerbridge Capital Partners III, L.P.	5/21/2015		2,500,000	704,548	33,074	849,836	1.25x	14.46%	11.56%	2.90%
2015	Siris Partners III, L.P.	5/4/2015		3,500,000	1,763,940	109,916	1,673,130	1.01x	1.12%	13.42%	(12.30%)
2012	NYCBERS - 2012 Emerging Manager Program*	10/31/2014		25,000,000	10,133,493	1,003,083	11,001,128	1.18x	11.89%	10.71%	1.18%
2015	American Securities Partners VII, L.P.	7/8/2016		8,000,000	2,861,782	73,119	3,037,444	1.09x	N/M	N/M	N/M
2015	ASF VII, L.P.	12/29/2015		10,000,000	1,122,637	80,842	1,427,045	1.34x	N/M	N/M	N/M
2015	ASF VII B NYC Co-Invest, L.P.	12/29/2015		6,000,000	68,075	-	613,140	9.01x	N/M	N/M	N/M
2015	NYCBERS - 2015 Emerging Manager Program**	2/22/2016		30,000,000	1,272,064	20,487	1,551,324	1.24x	N/M	N/M	N/M
2015	Warburg Pincus Private Equity XII, L.P.	12/21/2015		21,500,000	6,838,951	94,077	6,655,057	0.99x	N/M	N/M	N/M
2015	Welsh, Carson, Anderson & Stowe XII, L.P.	8/26/2015		10,000,000	2,815,523	138,026	3,480,868	1.29x	N/M	N/M	N/M
2015	Bridgepoint Europe V, L.P.	2/8/2016		8,413,147	3,831,531	769,344	3,843,819	1.20x	N/M	N/M	N/M
2015	Bridgepoint Europe V Co-Invest	8/16/2016		2,819,634	968,615	-	1,080,834	1.12x	N/M	N/M	N/M
2015	EQT VII, L.P.	1/8/2016		16,954,069	6,251,764	30,712	7,190,861	1.16x	N/M	N/M	N/M
2016	Vista Equity Partners Fund VI, L.P.	6/28/2016		16,000,000	7,728,910	129,290	7,509,336	0.99x	N/M	N/M	N/M
2016	Apax IX USD, L.P.	5/12/2017		13,000,000	455,000	-	317,021	0.70x	N/M	N/M	N/M
2017	Ares Corporate Opportunities Fund V, L.P.	6/22/2017		10,000,000	448,901	-	378,849	0.84x	N/M	N/M	N/M
2017	Green Equity Investors VII, L.P.	5/12/2017		10,000,000	1,023,200	-	967,461	0.95x	N/M	N/M	N/M
2017	BC European Capital X, L.P.	N/A		11,423,284	-	-	-	N/A	N/M	N/M	N/M
2017	BC European Capital X Metro Co-Investment L.P.	3/24/2017		4,536,441	400,104	-	399,523	1.00x	N/M	N/M	N/M
2017	Platinum Equity Capital Partners IV, L.P.	3/21/2017		11,500,000	1,192,135	184,345	1,355,689	1.29x	N/M	N/M	N/M
2017	CVC Capital Partners VII, L.P.	N/A		19,419,583	-	-	-	N/A	N/M	N/M	N/M
2017	Apollo Investment Fund IX, L.P.	N/A		32,000,000	-	-	-	N/A	N/M	N/M	N/M
Total Po	ortfolio		\$	628,190,650	\$ 320,674,712	\$ 171,157,270	\$ 280,730,342	1.41x	10.89%	10.41%	0.48%
/intage Year	Investment	First Drawdown	C	Committed Capital	Net Contributed Capital	Net Distributed Capital	Market Value	Multiple	IRR ¹	PME Benchmark ²	PME Spread ³
Commitr	nents Closed Subsequent to as of Date										
2017	Capital Partners Private Equity Income Fund III L.P.	N/A	\$	2,750,000	-	-	-	N/A	N/A	N/A	N/A
2017	ICV Partners IV. L.P.	N/A		3,000,000				N/A	N/A	N/A	N/A
2017	KKR Americas Fund XII, L.P.	N/A		16,000,000				N/A	N/A	N/A	
	Valor Equity Partners IV, L.P.	N/A		4,500,000				N/A	N/A	N/A	
2017											

*Please note that the NYCBERS - 2012 Emerging Manager Program total commitment amount includes the full amount allocated to the Program, of which \$14.7 million has been committed as of June 30, 2017. *Please note that the NYCBERS - 2015 Emerging Manager Program total commitment amount includes the full amount allocated to the Program, of which \$7.5 million has been committed as of June 30, 2017.

² The total PME is the Russell 3000 Total Return Index and incorporates the PME + methodology for all partnerships where distributions have occurred, and incorporates the and incorporates the Long Nicket methodologies for those partnerships that have not yet had any distributions to date. The fund PME is the Russell 3000 Total Return Index and incorporates the PME + methodology for all partnerships where distributions have occurred.

³PME Spread is the percentage difference between the IRR and PME Benchmark for each respective partnership.

Note: Where available, June 30, 2017 reported valuations were used. In the absence of June 30, 2017 reported values, market values have been adjusted forward using interim cash flows through June 30, 2017. The IRR calculated in the early years of a fund is not meaningful given the j-curve effect. The aggregate portfolio performance figures for IRR and multiple are as of June 30, 2017.



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FOIL

Vintage	Investments by Strategy					Equity	
Year		Committed Capital	Contributions	Distributions	Market Value	Multiple	IRR ³
2016	Brookfield Premier Real Estate Partners	\$10,000,000	\$9,298,363	\$ 0	\$9,962,236	N/M	N/M
2016	Exeter Industrial Core Club Fund II	\$10,000,000	\$3,410,000	(\$174,592)	\$3,533,548	1.1x	11.8%
2016	Jamestown Premier Property Fund	\$5,000,000	\$5,287,663	(\$692,513)	\$4,949,820	1.1x	6.7%
2010	LaSalle Property Fund	\$27,600,000	\$27,600,000	(\$6,801,901)	\$37,304,309	1.6x	11.3%
2017	Lion Industrial Trust - 2007	\$10,000,000	\$10,000,000	\$ 0	\$10,496,942	N/M	N/M
2014	MetLife Core Property Fund	\$15,000,000	\$15,000,000	(\$1,582,525)	\$17,587,065	1.3x	10.5%
2013	NYC Asset Investor #2 LLC (Related)	\$11,000,000	\$10,783,052	(\$1,713,106)	\$12,920,180	1.4x	15.0%
2016	NYCRS Artemis Co-Investment ¹	\$11,000,000	\$4,678,025	(\$3,194,160)	\$2,727,571	1.3x	40.1%
2011	UBS Trumbull Property Fund	\$41,400,000	\$56,928,307	(\$12,426,565)	\$76,151,566	1.6x	N/M
2015	USAA Eagle Real Estate Fund	\$10,000,000	\$8,134,668	\$0	\$9,244,172	1.1x	10.3%
Core Portfo	lio	\$151,000,000	\$151,120,077	(\$26,585,361)	\$184,877,409	1.4x	10.3%
2017	Basis Investment Group Real Estate Fund I ^{1,2}	\$1,200,000	\$ 0	\$0	\$0	N/M	N/M
2013	Blackstone Real Estate Partners Europe IV	\$32,500,000	\$30,622,838	(\$7,473,516)	\$33,597,810	1.3x	15.8%
2015	Blackstone Real Estate Partners VIII	\$16,500,000	\$8,320,945	(\$2,296,009)	\$7,805,926	1.2x	19.3%
2012	Brookfield Strategic Real Estate Partners	\$10,000,000	\$11,189,727	(\$5,681,551)	\$12,193,000	1.6x	19.7%
2014	Carlyle Realty Partners VII	\$25,000,000	\$15,266,534	(\$754,924)	\$18,873,515	1.3x	19.8%
2016	Divco West Fund V	\$10,000,000	\$1,605,851	\$0	\$1,591,536	N/M	N/M
2017	DRA Growth and Income Fund IX	\$10,000,000	\$2,339,661	(\$299,690)	\$2,175,537	N/M	N/M
2017	DRA Growth and Income Fund IX Co-investment	\$2,000,000	\$ 0	\$ 0	\$0	N/M	N/M
2015	European Property Investors Special Opp IV	\$11,176,931	\$2,770,999	(\$125,073)	\$2,689,511	1.0x	1.9%
2016	Exeter Industrial Value Fund IV	\$10,000,000	\$ 0	\$ 0	\$0	N/M	N/M
2011	Franklin Templeton Private Real Estate Fund	\$30,000,000	\$33,866,149	(\$38,527,671)	\$7,282,754	1.4x	20.7%
2014	H/2 Special Opportunities Fund III ²	\$15,000,000	\$12,993,856	(\$964,106)	\$15,282,932	1.3x	18.3%
2016	H/2 Special Opportunities Fund IV ²	\$10,000,000	\$860,955	\$0	\$849,129	N/M	N/M
2017	Lone Star Real Estate Fund V 2	\$23,164,910	\$ 0	\$0	\$0	N/M	N/M
2013	NYC Asset Investor #1 LLC (Vanbarton)	\$10,000,000	\$10,804,860	(\$1,499,210)	\$12,222,756	1.3x	10.7%
2013	NYC Asset Investor #3 LLC (Hudson)	\$8,000,000	\$4,089,034	(\$798,737)	\$3,900,956	1.1x	8.3%
2017	NYCRS-KKR CMBS Retention Partners ²	\$13,000,000	\$ 0	\$ 0	\$0	N/M	N/M
2016	Pramerica Real Estate Capital VI ²	\$10,352,480	\$2,341,644	(\$53,586)	\$2,543,811	N/M	N/M
2016	PW Real Estate Fund III LP	\$10,624,734	\$3,187,867	\$ 0	\$3,008,615	N/M	N/M
2016	Westbrook Real Estate Fund X	\$10,000,000	\$1,635,521	(\$87,719)	\$1,613,504	1.0x	6.8%
Non-Core I	Portfolio	\$268,519,055	\$141,896,440	(\$58,561,793)	\$125,631,292	1.3x	17.2%
Emerging I	Manager	\$12,200,000	\$4,678,025	(\$3,194,160)	\$2,727,571	1.3x	40.1%
Debt	0	\$72,717,390	\$16,196,455	(\$1,017,692)	\$18,675,872	1.2x	18.1%
Total Portfo	olio	\$419,519,055	\$293,016,518	(\$85,147,154)	\$310,508,701	1.4x	12.2%

2017 KKR - RECOP

25,000,000

¹ Emerging managers

² Debt investments

² Returns as per custodian provided data

Information provided by the New York City Retirement Systems Consultants. Interim returns are subject to change and may differ due to differences in accounting and performance methodologies.

