

MONTHLY GROSS PERFORMANCE REPORT

BOSTON RETIREMENT SYSTEM



MAY 31, 2022

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TOTAL FUND PERFORMANCE DETAIL (GROSS)

	Allocation				Performance (%)								
	Market Value (\$)	% of Portfolio	Policy(%)	1 Mo (%)	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date	
Total Fund	6,248,772,523	100.0	100.0	0.1	-3.1	-7.7	-2.8	8.9	7.1	8.0	7.8	Aug-94	
Allocation Index				0.1	-3.1	-7.4	-2.4	8.9	7.2	7.8			
Policy Index				0.1	-3.3	-7.7	-1.9	9.2	7.7	8.2			
PRIT Core Fund/Teachers*	2,114,050,091	33.8		-0.5	-3.2	-7.0	2.7	11.3	9.4	9.8	9.7	Jul-10	
Total Equity	2,950,843,282	47.2	49.0	0.5	-6.6	-13.8	-11.1	10.5	7.8	10.2	9.2	Dec-10	
MSCI AC World Index (Net)				0.1	-5.9	-12.8	-6.8	11.7	9.0	10.3	8.9		
Large Cap Comp	1,058,357,399	16.9	18.0	-0.4	-7.5	-14.7	-6.5	16.3	13.5	15.1	10.3	Dec-04	
Rhumbline Advisors	274,122,422	4.4		0.2	-5.2	-12.8	-0.3	16.4	13.4	14.3	10.3	Aug-94	
DE Shaw Core Enhanced	352,496,120	5.6		0.1	-5.1	-12.1	-0.8	17.0	13.9	14.9	14.3	Oct-09	
S&P 500 Index				0.2	-5.2	-12.8	-0.3	16.4	13.4	14.4	13.6		
Aristotle Value	160,509,904	2.6		2.9	-1.7	-9.4	-1.2				14.1	Nov-19	
Columbia Threadneedle	188,237,433	3.0		2.1	-3.1	-1.5	1.3	17.8	12.8	14.8	10.2	Jan-97	
Russell 1000 Value Index				1.9	-1.1	-4.5	0.9	12.8	9.5	12.1	8.5		
Zevenbergen Capital	82,655,446	1.3		-14.4	-34.4	-47.2	-46.2	6.6	11.9	15.1	11.5	Aug-94	
Russell 1000 Growth Index				-2.3	-10.8	-21.9	-6.3	18.3	16.1	16.1	10.5		
Small Cap Comp	420,639,626	6.7	6.0	0.3	-8.3	-15.0	-12.3	11.6	10.5	12.4	9.8	Dec-04	
Westfield Capital Management	116,737,380	1.9		-1.8	-11.7	-22.0	-15.5	13.5	12.6	13.4	11.2	Sep-03	
Russell 2000 Growth Index				-1.9	-13.5	-24.8	-25.7	6.2	6.9	10.6	8.5		
Bernzott	120,686,355	1.9		0.1	-8.5	-13.2	-13.6	10.1	10.4		10.8	Nov-15	
Russell 2000 Value Index				1.9	-4.2	-8.2	-7.7	12.2	7.8		9.5		
Aristotle Small Cap	182,946,542	2.9		1.8	-5.9	-11.3	-8.8	10.4	8.1		9.7	Nov-15	
Russell 2000 Index				0.2	-8.7	-16.6	-16.9	9.7	7.7		8.9		

Note: Returns are gross of manager fees except for hedge funds and private equity which are net of fees.



TOTAL FUND PERFORMANCE DETAIL (GROSS)

	Allocation				Performance (%)								
	Market Value (\$)	% of Portfolio	Policy(%)	1 Mo (%)	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date	
Total Non-US Equity	1,471,846,257	23.6	25.0	1.2	-5.4	-12.8	-14.1	5.6	3.0	5.9	5.9	Aug-94	
International Equity	1,015,844,806	16.3	17.0	1.7	-4.5	-11.5	-10.3	6.7	3.5	6.9	5.3	Dec-10	
Todd	311,471,194	5.0		4.9	-2.5	-7.7	-9.1	10.8	6.4		7.4	Apr-16	
MSCI ACWI ex USA				0.7	-5.5	-10.7	-12.4	6.5	4.4		6.6		
Panagora Asset Management	303,561,032	4.9		0.8	-4.2	-10.5	-9.4	6.8	3.5	8.0	5.8	Aug-94	
Walter Scott International Equity	271,379,581	4.3		-0.7	-6.7	-18.1	-13.2				1.7	Oct-20	
MSCI EAFE (Net)				0.7	-5.2	-11.3	-10.4				8.5		
Segall Bryant Hamill	129,212,409	2.1		1.2	-5.1	-7.4	-9.5	5.7			-0.7	Nov-17	
MSCI EAFE Small Cap (Net)				-0.7	-7.6	-15.4	-16.0	6.6			2.5		
Emerging Markets	456,001,451	7.3	8.0	0.0	-7.3	-15.6	-21.8	3.4	1.9	3.6	2.5	Dec-10	
ABS Emerging Markets Strategic Portfolio	95,957,770	1.5		-0.4	-9.0	-16.0					-16.4	Nov-21	
Columbia Emerging Markets Equity	103,658,830	1.7		0.3	-11.8	-24.0					-30.7	Aug-21	
Polunin	123,725,105	2.0		1.2	-7.2	-15.3	-20.5	6.9	4.7		6.2	Oct-13	
MSCI Emerging Markets (Net)				0.4	-7.3	-11.8	-19.8	5.0	3.8		3.4		
Lazard	132,659,747	2.1		-0.9	-2.6	-8.4	-10.9	7.5	1.5		3.2	Oct-13	
MSCI Emerging Markets Small Cap (Net)				-1.6	-4.1	-10.6	-9.3	11.2	6.0		4.8		
Total Fixed Income	1,584,677,661	25.4	25.0	-0.3	-4.0	-6.9	-5.9	2.4	2.8	3.1	3.6	Dec-10	
Core Fixed Income	1,025,571,158	16.4	16.0	0.1	-4.0	-6.4	-5.4	2.2	2.5	2.7	4.3	Dec-04	
AFL-CIO H.I.T.	45,614,380	0.7		0.4	-5.9	-8.4					-8.7	Dec-21	
BlackRock SIO	354,807,034	5.7		-0.2	-1.3	-3.3	-3.1	3.5	3.5		3.4	Aug-15	
Wells Asset Management	314,258,580	5.0		0.5	-6.1	-9.1	-8.3	0.6	1.6	2.3	4.3	May-05	
Blmbg. U.S. Aggregate Index				0.6	-5.9	-8.9	-8.2	0.0	1.2	1.7	3.4		
IR&M	310,891,163	5.0		0.2	-4.6	-6.5	-4.6	2.6	2.6		2.9	Jul-15	
IR&M Custom Benchmark				0.4	-4.5	-6.5	-4.6	2.2	2.3		2.4		

⁻ IR&M Custom Benchmark reflects Bloomberg Agg since inception through 04/30/2017, from 05/01/2017 to 9/30/2021 reflects 40% Bloomberg Agg/40% Bloomberg Intermediate TIPS and as of 10/1/2021 reflects 60% Bloomberg Agg/40% Bloomberg Intermediate TIPS.



TOTAL FUND PERFORMANCE DETAIL (GROSS)

	Allocation				Performance (%)								
	Market Value (\$)	% of Portfolio	Policy(%)	1 Mo (%)	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date	
Value Added Fixed Income	559,106,503	8.9	9.0	-1.1	-4.0	-8.0	-6.9	2.5	2.9	3.4	3.8	Dec-10	
High Yield Income	342,177,215	5.5	5.0	-1.4	-2.9	-4.3	-0.6	5.2	5.0	5.8	6.7	Jan-06	
Crescent Capital	113,548,415	1.8		-1.5	-4.1	-6.4	-3.4	3.6	3.5		4.5	May-15	
50/50 S&P/LSTA Leveraged Loan/Bloomberg High Yield				-1.2	-3.3	-5.2	-2.8	3.2	3.5		3.9		
Polen Capital	97,399,614	1.6		-1.5	-3.2	-4.0	0.4	5.4	5.5		6.1	May-15	
75% BC HY 25% S&P Leverage Loan				-0.5	-3.9	-6.6	-4.0	3.2	3.5		4.1		
GoldenTree Multi Sector Opp Credit	130,237,879	2.1		-1.2	-1.7	-2.6	1.0	6.5	5.9		6.1	Dec-16	
Blended Index				-1.4	-3.2	-4.7	-2.7	3.2	3.4		3.9		
Morningstar LSTA US Leveraged Loan				-2.6	-2.3	-2.4	-0.3	2.9	3.4		3.6		
Emerging Market Debt	216,929,288	3.5	4.0	-0.6	-5.7	-13.5	-16.0	-1.9	-0.5	-0.3	-0.5	Nov-11	
Aberdeen EMD Plus	216,928,975	3.5		-0.6	-5.7	-13.5	-16.0	-1.9			0.8	Dec-18	
JP Morgan EMBI Global Diversified				0.0	-6.4	-15.0	-15.4	-2.1			0.7		
Total Alternative Assets	1,612,536,813	25.8	26.0	-0.2	4.9	4.4	22.3	12.1	10.1	9.0	9.0	Dec-10	
Hedge Fund Composite	296,068,458	4.7	5.0	-1.2	-2.2	-4.3	0.2	6.1	4.1	3.9	3.6	Nov-04	
EnTrust Peruvian Bonds	4,610,309	0.1		-0.2	-0.5	-0.8	-0.6	-2.2			-2.7	Jan-18	
Blackstone	142,002,495	2.3		-0.2	1.1	0.2	3.3	6.2			5.6	Feb-18	
Grosvenor	148,468,436	2.4		-2.1	-5.3	-8.3	-2.5	6.4	4.8		4.5	Jul-13	
HFRI Fund of Funds Composite Index				-1.5	-2.3	-5.3	-3.7	4.9	3.9		3.5		
Hedge Fund Transition Account	987,218	0.0	0.0										
Real Estate Composite	628,863,058	10.1	10.0	0.0	7.6	7.6	23.1	10.7	10.0	10.8	8.0	Sep-04	
Private Equity & Debt	687,605,297	11.0	11.0	0.0	5.7	5.7	34.0	16.5	14.3	10.8	9.5	Jun-04	
Cash	100,714,767	1.6	0.0	0.0	0.0	0.0	0.7	0.9	0.7	0.3	1.1	Oct-04	

⁻ DDJ is now Polen Capital



Real Estate and Private Equity & Debt report on a quarterly basis, and are lagged one quarter.The Hedge Fund Transition Account is an estimation of the total values redeemed from the hedge fund portfolio and is subject to change.

⁻ The Blended Index Benchmark consists of 30% ML HY II/ 30% S&P LSTA / 25% HFRI RV FI/ 15% BAML ABS.

Boston Retirement System TOTAL FUND PERFORMANCE DETAIL

Private Markets Summary Quarter Ending December 31, 2021										
	Committed Capital	Cumulative Distributions	Paid in Capital	QTR	1 Year	Valuation				
Private Equity & Debt IRR	\$1,348,804,562	\$745,391,870	\$952,527,647	5.7%	34.0%	\$687,605,297				
Private Equity	\$830,826,061	\$554,705,812	\$626,401,586			\$371,058,025				
Private Debt	\$517,978,501	\$190,686,058	\$326,126,061			\$316,547,272				
Real Estate IRR	\$1,140,701,507	\$883,461,366	\$942,341,323	7.6%	23.1%	\$628,863,058				



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