

MONTHLY GROSS PERFORMANCE REPORT

BOSTON RETIREMENT SYSTEM



MARCH 31, 2022

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TOTAL FUND PERFORMANCE DETAIL (GROSS)

	Market Value (\$)	% of Portfolio	Policy %	1 Mo (%)	3 Mo (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Total Fund	6,529,638,556	100.0	100.0	1.2	-3.7	5.0	10.0	8.6	7.9	8.0	Aug-94
Allocation Index				1.2	-3.2	5.5	10.0	8.7	7.8		Aug-94
Policy Index				1.3	-3.3	6.0	10.5	9.2	8.3		Aug-94
PRIT Core Fund/Teachers*	2,251,933,173	34.5		1.7	-2.2	12.0	13.0	11.1	9.9	10.3	Jul-10
Total Equity	3,192,350,591	48.9	49.0	1.0	-6.8	1.4	12.2	10.4	9.9		Dec-04
MSCI ACWI				2.2	-5.4	7.3	13.8	11.6	10.0	7.8	Dec-04
Large Cap Comp	1,172,849,795	18.0	18.0	2.5	-5.5	8.7	19.4	16.5	15.4	11.0	Dec-04
Rhumbline Advisors	299,775,416	4.6		3.7	-4.6	15.6	18.9	16.0	14.6	10.8	Aug-94
DE Shaw Core Enhanced	385,590,443	5.9		3.8	-3.8	14.9	19.5	16.5	15.1	15.3	Oct-09
S&P 500				3.7	-4.6	15.6	18.9	16.0	14.6	14.6	Oct-09
Aristotle Value	164,656,826	2.5		0.9	-7.1	6.6				16.3	Nov-19
Columbia Threadneedle	196,356,984	3.0		1.1	2.6	14.2	17.8	13.9	13.9	10.5	Jan-97
Russell 1000 Value				2.8	-0.7	11.7	13.0	10.3	11.7	8.8	Jan-97
Zevenbergen Capital	126,068,850	1.9		0.1	-19.5	-20.4	23.2	23.7	18.4	13.3	Aug-94
Russell 1000 Growth				3.9	-9.0	15.0	23.6	20.9	17.0	11.2	Aug-94
Small Cap Comp	461,309,215	7.1	6.0	0.5	-7.0	-0.7	13.8	12.9	12.4	10.4	Dec-04
Westfield Capital Management	133,323,774	2.0		0.5	-11.2	-0.3	17.6	16.0	13.8	12.1	Sep-03
Russell 2000 Growth				0.5	-12.6	-14.3	9.9	10.3	11.2	9.5	Sep-03
Bernzott	132,479,861	2.0		0.5	-4.8	-2.6	11.8	12.7		12.6	Nov-15
Russell 2000 Value				2.0	-2.4	3.3	12.7	8.6	10.5	10.8	Nov-15
Aristotle Small Cap	195,236,241	3.0		0.4	-5.5	0.9	11.6	9.7		11.1	Nov-15
Russell 2000				1.2	-7.5	-5.8	11.7	9.7	11.0	10.9	Nov-15

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



TOTAL FUND PERFORMANCE DETAIL (GROSS)

	Market Value (\$)	% of Portfolio	Policy %	1 Mo (%)	3 Mo (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Total Non-US Equity	1,558,191,580	23.9	25.0	0.1	-7.7	-3.2	6.2	5.3	5.1	6.1	Aug-94
International Equity	1,068,929,222	16.4	17.0	0.5	-6.9	0.6	7.1	5.8	6.0	5.8	Dec-10
Todd	320,200,212	4.9		0.2	-5.2	-2.0	10.3	7.8		8.1	Apr-16
MSCI ACWI ex USA				0.2	-5.4	-1.5	7.5	6.8	5.6	7.8	Apr-16
Panagora Asset Management	319,387,752	4.9		0.8	-5.8	2.2	7.1	5.7	7.3	6.0	Aug-94
Walter Scott International Equity	292,992,404	4.5		0.6	-11.7	0.4				7.2	Oct-20
MSCI EAFE				0.6	-5.9	1.2	7.8	6.7	6.3	13.9	Oct-20
Segall Bryant Hamill	136,122,163	2.1		-0.1	-2.6	3.2	5.7			0.4	Nov-17
MSCI EAFE Small Cap				0.0	-8.5	-3.6	8.5	7.4	8.3	4.4	Nov-17
Emerging Markets	489,262,358	7.5	8.0	-0.6	-9.4	-10.9	4.5	4.4	3.1	3.1	Dec-10
ABS Emerging Markets Strategic Portfolio	107,777,918	1.7		2.3	-5.7					-6.1	Nov-21
Columbia Emerging Markets Equity	111,718,095	1.7		-4.9	-18.1						Aug-21
Polunin	129,967,120	2.0		-2.6	-11.2	-10.0	7.2	6.4		7.0	Oct-13
MSCI Emerging Markets				-2.3	-7.0	-11.4	4.9	6.0	3.4	4.1	Oct-13
Lazard	139,799,225	2.1		2.7	-3.5	1.9	7.6	3.8		3.9	Oct-13
MSCI Emerging Markets Small Cap				2.7	-4.3	5.5	11.9	7.8	5.3	5.7	Oct-13
Total Fixed Income	1,652,911,322	25.3	25.0	-1.2	-4.3	-1.5	3.7	3.7	3.5	3.9	Dec-10
Core Fixed Income	1,048,296,029	16.1	16.0	-1.9	-4.3	-2.0	3.4	3.2	3.2	4.4	Dec-04
AFL-CIO H.I.T.	46,903,099	0.7		-3.3	-5.9					-6.1	Dec-21
BlackRock SIO	357,470,988	5.5		-0.7	-2.7	-1.5	4.1	3.8		3.6	Aug-15
Wells Asset Management	325,068,202	5.0		-2.8	-6.0	-4.2	2.3	2.6	2.9	4.6	May-05
Bloomberg US Aggregate TR				-2.8	-5.9	-4.2	1.7	2.1	2.2	3.6	<i>May-05</i>
IR&M	318,853,741	4.9		-2.2	-4.1	-0.3	4.0	3.5		3.4	Jul-15
IR&M Custom Benchmark				-2.3	-4.3	-0.6	3.5	3.0	2.7	2.8	Jul-15

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



⁻ 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/60% Bloomberg Intermediate TIPS and as of 10/1/2021 reflects 60% Bloomberg Agg/40% Bloomberg Intermediate TIPS.

TOTAL FUND PERFORMANCE DETAIL (GROSS)

	Market Value (\$)	% of Portfolio	Policy %	1 Mo (%)	3 Mo (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Value Added Fixed Income	604,615,293	9.3	9.0	0.0	-4.2	-0.6	4.1	4.2	3.7		20110
High Yield Income	375,121,325	5.7	5.0	0.1	-1.3	4.2	6.5	6.0	6.2	6.9	Jan-06
Crescent Capital	117,923,476	1.8		-0.5	-2.9	1.6	5.1	4.6		5.1	May-15
50/50 S&P/LSTA Leveraged Loan/Bloomberg High Yield				-0.5	-2.5	1.3	4.4	4.4	5.0	4.4	May-15
Polen Capital	122,570,921	1.9		-0.1	-1.1	5.0	6.7	6.7		6.7	May-15
75% BC HY 25% S&P Leverage Loan				-0.8	-3.7	0.3	4.5	4.5		4.7	May-15
GoldenTree Multi Sector Opp Credit	133,596,710	2.0		0.8	-0.1	5.9	7.8	6.7		6.8	Dec-16
Blended Index				-0.4	-2.0	1.3	4.4	4.2		4.6	Dec-16
S&P/LSTA Leveraged Loan TR				0.0	-0.1	3.3	4.2	4.0	4.3	4.2	Dec-16
Emerging Market Debt	229,493,969	3.5	4.0	-0.2	-8.5	-7.6	0.1	1.2	-0.5	0.0	Nov-11
Aberdeen EMD Plus	229,493,655	3.5		-0.2	-8.5	-7.6	0.1			2.5	Dec-18
JP Morgan EMBI Global Diversified				-0.9	-10.0	-7.4	0.0	1.7	3.7	2.5	Dec-18
Total Alternative Assets	1,599,023,554	24.5	26.0								
Hedge Fund Composite	300,652,091	4.6	5.0	-0.8	-2.8	3.8	6.6	4.5	3.8	3.7	Nov-04
EnTrust Peruvian Bonds	4,634,765	0.1		-0.1	-0.4	-0.6	-2.2			-2.8	Jan-18
Blackstone	142,284,545	2.2		1.2	0.3	5.7	6.4			5.8	Feb-18
Grosvenor	152,685,978	2.3		-2.6	-5.7	2.3	7.4	5.5		4.9	Jul-13
HFRI Fund of Funds Composite Index				0.6	-2.6	1.3	5.9	4.6	3.9	3.9	Jul-13
Hedge Fund Transition Account	1,046,802	0.0									
Real Estate Composite	607,231,547	9.3	10.0	5.2	5.2	20.3	9.8	9.5	10.5		
Private Equity & Debt	691,139,916	10.6	11.0	5.7	5.7	34.0	16.5	14.3	10.8		
Cash	85,353,089	1.3	0.0	0.0	0.0	0.7	1.0	0.7	0.3	1.1	Oct-04

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



⁻ 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.

⁻ DDJ is now Polen Capital

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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A "since inception" return, if reported, begins with the first full month after funding, although actual inception dates (e.g. the middle of a month) and the timing of cash flows are taken into account in Composite return calculations.

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Source of private fund performance benchmark data: Cambridge Associates, via Refinitiv



