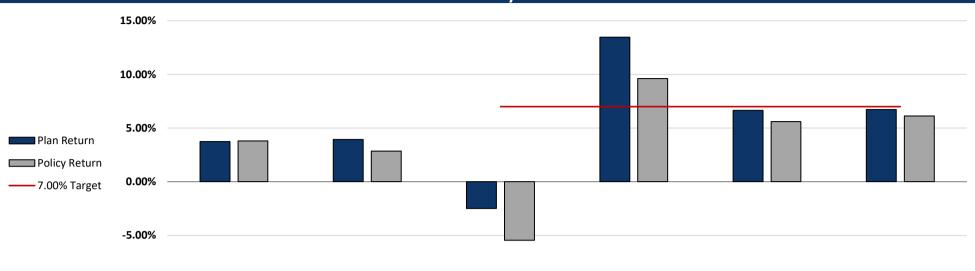
## RETIREMENT System Investment Commission

-10.00%

## March 31, 2023 Quarterly Report

## Net of Fee Returns by Time Period<sup>1,2</sup>



Qu	arter FYT	D	1 Year	3 Years	5 Years	1	LO Years
Rolling period performance as of March 31, <sup>1</sup>	1					Annualized	
Executive Summary	Market Value (millions)	Quarter	FYTD	1 Year	3 Years	5 Years	10 Years
Total Plan	\$39,561	3.74%	3.95%	-2.49%	13.48%	6.66%	6.72%
Policy Benchmark		3.81%	2.86%	-5.45%	9.61%	5.61%	6.12%
Net Benefit Payments (millions)		( \$27)	( \$232)	( \$364)	( \$1,521)	( \$3,171)	( \$8,633)
		Exposure			Annualized		
Allocation / Exposure <sup>3,5</sup>	Portfolio	Policy Target	Difference	FYTD	1 Year	3 Years	5 Years
Public Equity	43.9%	46.0%	-2.1%	9.99%	-7.25%	16.04%	6.36%
Bonds	19.0%	26.0%	-7.0%	-0.56%	-4.55%	0.57%	0.27%
Private Equity	15.0%	9.0%	6.0%	-1.99%	1.11%	20.22%	13.51%
Private Debt	9.1%	7.0%	2.1%	2.96%	4.87%	9.90%	6.33%
Real Assets	12.9%	12.0%	0.9%	-0.29%	3.78%	12.67%	10.21%
Portable Alpha Hedge Funds <sup>6</sup>	12.0%	n/a	12.0%	-0.58%	2.63%	10.52%	5.05%
Total Plan			0.0%		-2.49%	13.48%	6.66%

## FYTD Contributions to Plan Value<sup>4</sup>

39,000			1,506	39,561
38,500				
38,000	38,287	(232)		
37,500				
37,000				
36,500				
36,000	Beginning Value	Net Benefit Payments	Investment Performance	Ending Value

<sup>1</sup>Top-level Plan returns are from Bank of New York Mellon (BNYM) and are time-weighted, total return calculations, net of fees and expenses. All returns are expressed in U.S. dollars. Periods greater than one year are annualized. Fiscal Year ends June 30th. Policy benchmark is the blend of the asset class policy benchmarks using policy weights. Asset class benchmarks and policy weights are reviewed annually by the Commission's consultant, adopted by the Commission, and have changed over time. The policy benchmark return history represents a blend of these past policies.

Effective 7/1/2021 the actuarial assumed rate of return is 7.00% and is composed of an assumed 2.25% inflation rate and an assumed 4.75% real rate of return, net of investment and administrative expenses.

<sup>3</sup>Asset class allocations and returns are calculated using values provided by BNYM and adjusted for overlay exposures provided by Russell Investments. Returns reflect a performance correction that affected the time period 03/31/2015 through 06/30/2022. Asset class percentages may not add up to 100% due to rounding.

<sup>4</sup>Values are in millions. Ending Value may differ slightly from Beginning Value plus Net Benefit Payments and Investment Performance due to rounding.

<sup>5</sup>The Bonds asset class includes the net Short Duration and Cash market value which consists of the aggregate cash held at the custodian, Russell Investments, and the strategic partnerships.

<sup>6</sup>Portable Alpha Hedge Funds are expressed as gross exposure but, as collateral supporting the Overlay program, net to zero when calculating total Plan market value. Performance is expressed net of SOFR as an estimate for Overlay financing costs. There is no allocation to Portable Alpha Hedge Funds in the policy allocation.

This report was compiled by staff of the Retirement System Investment Commission and has not been reviewed, approved or verified by the external investment managers. No information contained herein should be used to calculate returns or compare multiple funds, including private equity funds.