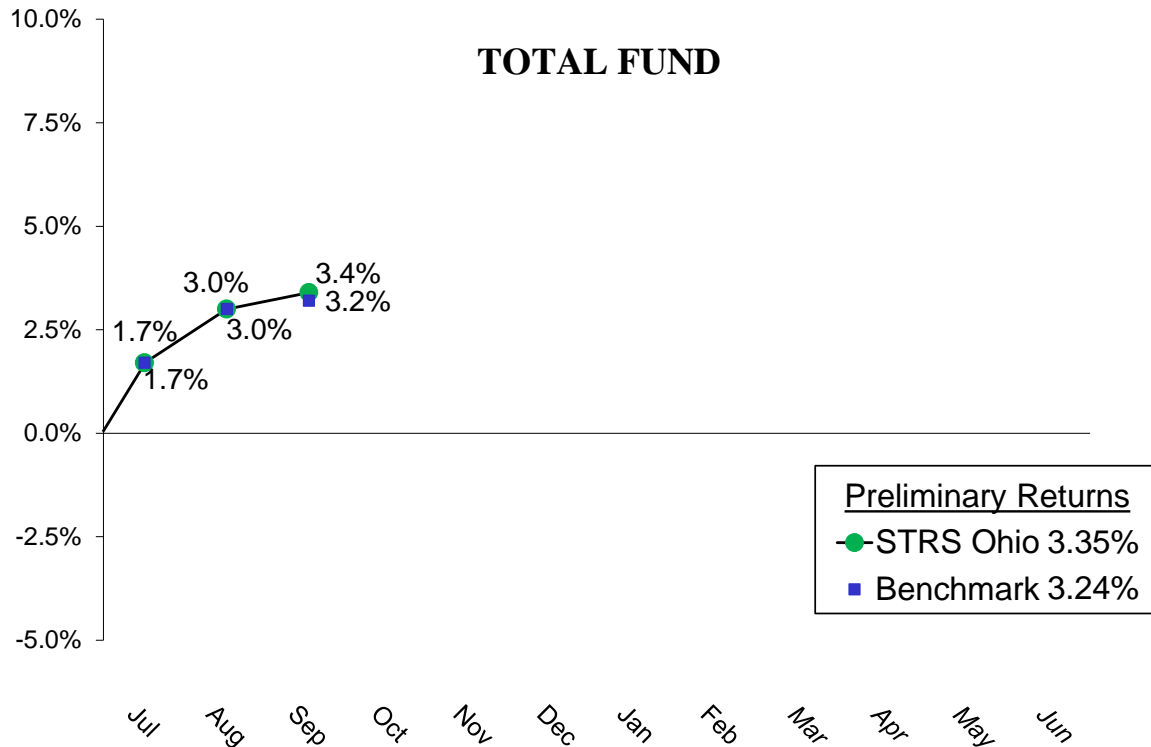


OVERALL ASSET MIX

	Market Value June 30, 2018		Market Value September 30, 2018		Neutral Weight	Percentage Points Relative Weight	Percentage Relative Weight
Liquidity Reserves	\$ 1,422,274,545	1.8%	\$ 1,472,435,585	1.9%	1.0%	0.9	90.0
Fixed Income							
Core Fixed Income	\$ 11,941,959,139	15.4%	\$ 12,068,366,509	15.3%	17.0%	-1.7	-10.0
Liquid Treasury Portfolio	\$ 3,113,496,990	4.0%	\$ 3,833,123,532	4.8%	4.0%	0.8	20.0
Total Fixed Income	\$ 15,055,456,129	19.4%	\$ 15,901,490,041	20.1%	21.0%	-0.9	-4.3
Equities							
Domestic	\$ 22,685,945,032	29.2%	\$ 22,143,998,273	28.0%	29.0%	-1.0	-3.4
International	\$ 18,601,604,791	23.9%	\$ 19,100,010,678	24.1%	24.0%	0.1	0.4
Total Equities	\$ 41,287,549,823	53.1%	\$ 41,244,008,951	52.1%	53.0%	-0.9	-1.7
Real Estate	\$ 7,983,735,655	10.3%	\$ 7,949,832,213	10.0%	10.0%	0.0	0.0
Alternative Investments							
Private Equity	\$ 5,772,546,647	7.4%	\$ 6,160,441,098	7.8%	7.0%	0.8	11.4
Opportunistic/Diversified	\$ 6,228,166,831	8.0%	\$ 6,407,712,528	8.1%	8.0%	0.1	1.3
Total Alternative Inv.	\$ 12,000,713,478	15.4%	\$ 12,568,153,626	15.9%	15.0%	0.9	6.0
Total	\$ 77,749,729,630	100%	\$ 79,135,920,416	100%	100%		

Market Values for September 30, 2018 are preliminary.

FISCAL 2019 YEAR-TO-DATE RETURN



PORTFOLIO PERFORMANCE REPORT

Relative Objective Attainment

	Relative Objective Attainment						Historical Fiscal (annualized)			
	Sept. Qtr. 2018	Dec. Qtr. 2018	Mar. Qtr. 2019	Jun. Qtr. 2019	Fiscal YTD Sept. 2018	Trailing 4 Qtrs. Sept. 2018	1 Year 2018	3 Year '16-'18	5 Year '14-'18	10 Year '09-'18
Domestic Equity										
STRS Ohio Domestic Equity	6.92%				6.92%	18.59%	16.21%	11.75%	13.25%	10.22%
Russell 3000	7.12%				7.12%	17.58%	14.78%	11.58%	13.30%	10.23%
International Equity										
STRS Ohio International	1.73%				1.73%	3.75%	7.15%	6.75%	8.43%	4.71%
International Blended Benchmark ¹	1.33%				1.33%	3.75%	7.87%	5.75%	7.39%	3.86%
Fixed Income										
STRS Ohio Fixed Income	0.29%				0.29%	-0.71%	-0.06%	2.44%	2.78%	4.53%
Fixed Income Blended Benchmark ¹	0.19%				0.19%	-1.03%	-0.30%	2.11%	2.62%	4.06%
Real Estate										
STRS Ohio Real Estate	1.74%				1.74%	9.28%	9.08%	9.02%	10.95%	6.62%
Real Estate Blended Benchmark ¹	1.74%				1.74%	6.90%	6.74%	8.28%	9.65%	6.92%
Alternative Investments										
STRS Ohio Alternative Investments	4.27%				4.27%	14.40%	13.59%	8.79%	10.16%	7.95%
Alt. Inv. Blended Relative Return Objective ²									13.30%	11.08%
Alt. Inv. Blended Absolute Return Objective ³							7.09%	7.70%	7.82%	8.78%
Total Fund										
STRS Ohio Total Fund ⁴	3.35%				3.35%	9.31%	9.57%	8.12%	9.26%	7.04%
Total Fund Blended Index ¹	3.24%				3.24%	8.57%	8.94%	7.58%	8.98%	7.05%

Absolute Objective Attainment

	1 Year Fiscal 2018	3 Year Fiscal '16-'18	5 Year Fiscal '14-'18	10 Year Fiscal '09-'18
Domestic Equity (Policy Standard: 7.35%)	16.21%	11.75%	13.25%	10.22%
International Equity (Policy Standard: 7.55%)	7.15%	6.75%	8.43%	4.71%
Fixed Income (Policy Standard: 3.00%)	-0.06%	2.44%	2.78%	4.53%
Real Estate (Policy Standard: 6.00%)	9.08%	9.02%	10.95%	6.62%
Alternative Investments (Policy Standard: 7.09%)	13.59%	8.79%	10.16%	7.95%
Total Fund (Policy Standard: 6.84%)	9.57%	8.12%	9.26%	7.04%

Actuarial Objective Attainment

	Fiscal 2018	Fiscal 2017	Fiscal 2016	Fiscal 2015	Fiscal 2014	Fiscal 2013	Fiscal 2012	Fiscal 2011	Fiscal 2010	Fiscal 2009
Market Return	9.57%	14.29%	0.92%	5.45%	16.83%	13.66%	2.34%	22.59%	13.54%	-21.66%
4 Year Smoothed Actuarial Return ⁵	7.08%	9.03%	8.93%	9.49%	13.32%	12.11%	8.51%	9.19%	6.58%	-17.68%
Assumed Actuarial Rate	7.45%	7.75%	7.75%	7.75%	7.75%	7.75%	8.00%	8.00%	8.00%	8.00%

Estimates are printed in bold, italic print.

¹ The International Blended Benchmark consists of 80% of the MSCI World ex US Index (50% hedged) return and 20% of the MSCI EM Index return. Effective July 1, 2017 the Fixed Income Blended Benchmark consists of the actual Core Fixed Income weight multiplied by the Bloomberg Barclays U.S. Universal index plus the actual weight of the Liquid Treasury Portfolio multiplied by the Bloomberg Barclays U.S. Intermediate Treasury index. Prior to July 1, 2017, the Fixed Income benchmark was the Bloomberg Barclays U.S. Universal. The Real Estate Blended Benchmark consists of 85% NCREIF Property Index (NPI) and 15% FTSE NAREIT Equity REITs Index effective July 2012; 85% NPI and 15% Wilshire REIT Index from October 2007 through June 2012. The Total Fund Blended Benchmark as of April 1, 2018 consists of 21% Fixed Income Blended Benchmark, 29% Russell 3000, 24% International Blended Benchmark, 10% Real Estate Blended Benchmark, 15% Alternative Investments actual return, and 1% 90 Day Treasury Bill.

² Given the long-term nature of Alternative Investments, no benchmark return is appropriate for shorter time periods for this asset class. The current Alternative Investment Blended Relative Return Objective is in two parts by policy: Private Equity is Russell 3000 index plus 1% and Opportunistic/Diversified is Russell 3000 index minus 1%. Effective April 1, 2018, the Private Equity target weight is 46.7% and the Opportunistic/Diversified target weight is 53.3%.

³ The current Blended Absolute Return Objective for Alternative Investments is 7.09%, which is based on the 2017 Asset Liability Study.

⁴ The Global Portfolio performance is included in the STRS Ohio Total Fund performance.

⁵ This measures return on market-related value of the total actuarial pension assets as calculated by the actuary.

Note The STRS Ohio Total Fund calendar year-to-date return through September 30, 2018 is an estimated **+5.31%** and the Calendar Year 2017 return was +15.90%. Through June 30, 2018, the STRS Ohio Total Fund earned an annualized +6.78% over the 20-year period, +7.91% over the 25-year period, and +8.57% over the 30-year period.

The Board's value added goals are: Domestic Equity 0.25%, International 1.00%, Fixed Income 0.35%, Real Estate 1.00%, and Total Fund 0.40% (net).

STRS Ohio has been in compliance with the derivative exposure limits during the entire year.