

Missouri State Employees' Retirement System

Investment Performance Summary (net of all fees and expenses)

As of September 30, 2018

	Month	Qtr.	Fiscal YTD	Calendar YTD	1 Year	3 Year	5 Year	10 Year	15 Year	20 Year
Total Fund	-0.6%	-0.8%	-0.8%	-1.9%	3.0%	5.4%	4.3%	6.3%	7.0%	6.8%
<i>Total Fund policy benchmark</i>	-1.1%	-1.4%	-1.4%	-5.3%	-0.8%	4.8%	4.7%	5.8%	6.4%	5.6%
Total Beta Balanced Equities	0.4%	2.1%	2.1%	2.4%	9.1%	10.3%	8.8%	9.7%	9.6%	N/A
<i>Total Beta Balanced Equities policy benchmark</i>	0.1%	3.6%	3.6%	4.0%	9.4%	13.2%	10.6%	9.7%	9.2%	N/A
Beta Balanced Nominal Bonds	-2.9%	-3.1%	-3.1%	-6.7%	-4.7%	0.3%	3.8%	N/A	N/A	N/A
<i>Beta Balanced Nominal Bonds policy benchmark</i>	-3.1%	-3.2%	-3.2%	-6.8%	-4.8%	-0.1%	3.8%	N/A	N/A	N/A
Beta Balanced Commodities	1.9%	-2.0%	-2.0%	1.2%	8.1%	-3.3%	-13.6%	-8.6%	-1.7%	N/A
<i>Beta Balanced Commodities policy benchmark</i>	2.4%	-1.5%	-1.5%	1.9%	9.4%	-1.3%	-12.4%	-10.5%	-3.2%	N/A
Beta Balanced Inflation Indexed Bonds	-0.8%	-0.9%	-0.9%	-1.5%	-1.2%	0.6%	0.2%	2.9%	4.0%	N/A
<i>Beta Balanced Inflation Indexed Bonds policy benchmark</i>	-0.8%	-0.7%	-0.7%	-1.1%	-0.8%	1.0%	0.5%	3.0%	4.0%	N/A
Beta Balanced Alternative Beta	0.9%	0.5%	0.5%	-0.1%	1.4%	3.4%	4.9%	N/A	N/A	N/A
<i>Beta Balanced Alternative Beta policy benchmark</i>	0.3%	-2.5%	-2.5%	-12.5%	-11.8%	-2.4%	2.5%	N/A	N/A	N/A
External Risk Parity Portfolio	0.2%	-0.2%	-0.2%	-1.6%	3.7%	7.9%	5.3%	N/A	N/A	N/A
<i>Total Fund policy benchmark</i>	-1.1%	-1.4%	-1.4%	-5.3%	-0.8%	4.8%	4.7%	N/A	N/A	N/A