AON

Quarterly Investment Review

Teachers' Retirement System of Oklahoma IC Materials

Fourth Quarter 2023

Investment advice and consulting services provided by Aon Investments USA Inc.

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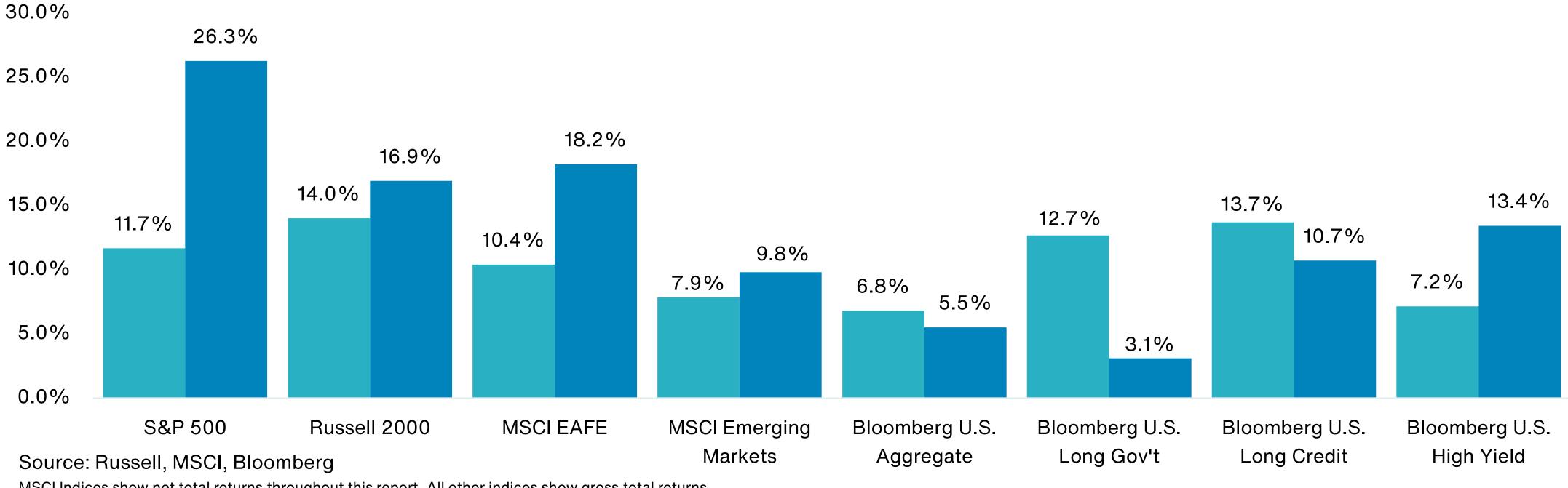
Executive Summary





Market Highlights

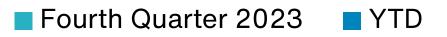
SHORT TERM RETURNS AS OF 12/31/2023



MSCI Indices show net total returns throughout this report. All other indices show gross total returns.

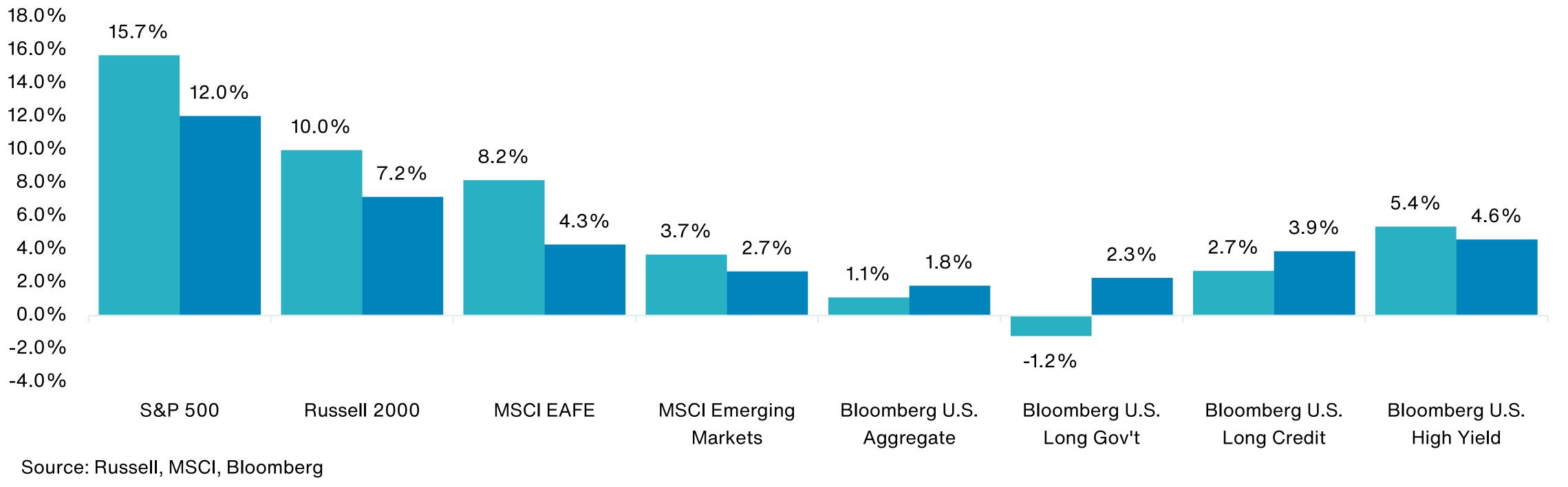
Past performance is no guarantee of future results. Indices cannot be invested in directly. Unmanaged index returns assume reinvestment of any and all distributions and do not reflect fees and expenses. Please see appendix for index definitions and other general disclosures.





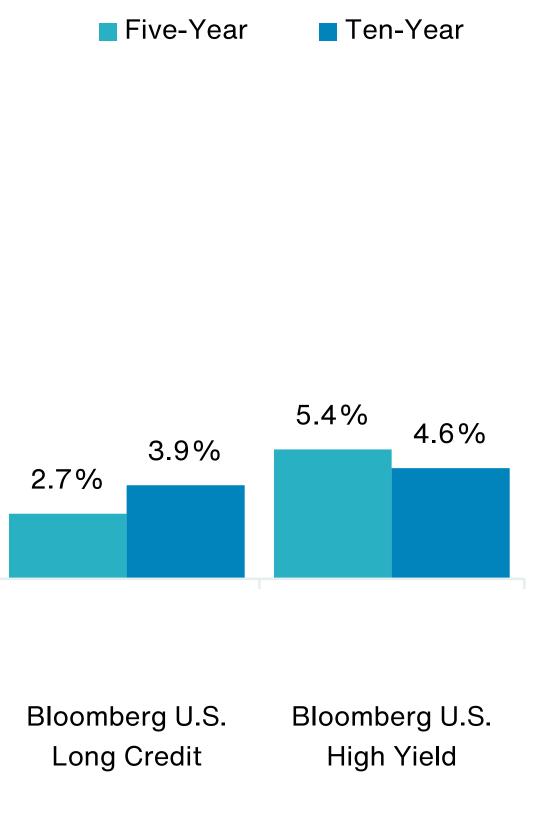
Market Highlights

LONG TERM ANNUALIZED RETURNS AS OF 12/31/2023



Past performance is no guarantee of future results. Indices cannot be invested in directly. Unmanaged index returns assume reinvestment of any and all distributions and do not reflect fees and expenses. Please see appendix for index definitions and other general disclosures.





Market Highlights

	Returns	s of the Majoı	Capital Markets	3		
					Period Er	nding 12/31/2023
	Fourth Quarter	YTD	1-Year	3-Year ¹	5-Year ¹	10-Year ¹
quity						
MSCI All Country World IMI	11.14%	21.58%	21.58%	5.46%	11.49%	7.77%
ISCI All Country World	11.03%	22.20%	22.20%	5.75%	11.72%	7.93%
ow Jones U.S. Total Stock Market	12.13%	26.06%	26.06%	8.43%	15.05%	11.40%
ussell 3000	12.07%	25.96%	25.96%	8.54%	15.16%	11.48%
kP 500	11.69%	26.29%	26.29%	10.00%	15.69%	12.03%
ssell 2000	14.03%	16.93%	16.93%	2.22%	9.97%	7.16%
I All Country World ex-U.S. IMI	9.81%	15.62%	15.62%	1.53%	7.18%	3.97%
I All Country World ex-U.S.	9.75%	15.62%	15.62%	1.55%	7.08%	3.83%
IEAFE	10.42%	18.24%	18.24%	4.02%	8.16%	4.28%
I EAFE (Local Currency)	4.96%	16.16%	16.16%	8.64%	9.49%	6.61%
CI Emerging Markets	7.86%	9.83%	9.83%	-5.08%	3.68%	2.66%
Factors						
World Minimum Volatility (USD)	6.84%	8.14%	8.14%	4.05%	7.60%	7.97%
orld High Dividend Yield	7.18%	10.14%	10.14%	7.32%	9.18%	6.73%
orld Quality	12.55%	32.97%	32.97%	9.41%	17.05%	12.18%
orld Momentum	12.17%	12.25%	12.25%	2.17%	11.98%	10.32%
Norld Enhanced Value	8.30%	20.27%	20.27%	9.66%	8.84%	6.05%
World Index Growth	13.40%	37.31%	37.31%	5.75%	16.31%	11.28%
USA Minimum Volatility (USD)	7.79%	9.79%	9.79%	6.46%	10.30%	10.41%
USA High Dividend Yield	8.31%	6.83%	6.83%	7.83%	9.32%	9.39%
USA Quality	12.03%	36.30%	36.30%	10.39%	18.13%	13.81%
SA Momentum	12.76%	9.50%	9.50%	0.70%	11.13%	11.72%
USA Enhanced Value	12.30%	14.42%	14.42%	8.34%	10.12%	8.44%
CI USA Equal Weighted	12.70%	17.63%	17.63%	7.07%	12.97%	9.80%
CI USA Growth	13.68%	46.72%	46.72%	8.01%	19.94%	14.83%

Past performance is no guarantee of future results. Indices cannot be invested in directly. Unmanaged index returns assume reinvestment of any and all distributions and do not reflect fees and expenses. Please see appendix for index definitions and other general disclosures.



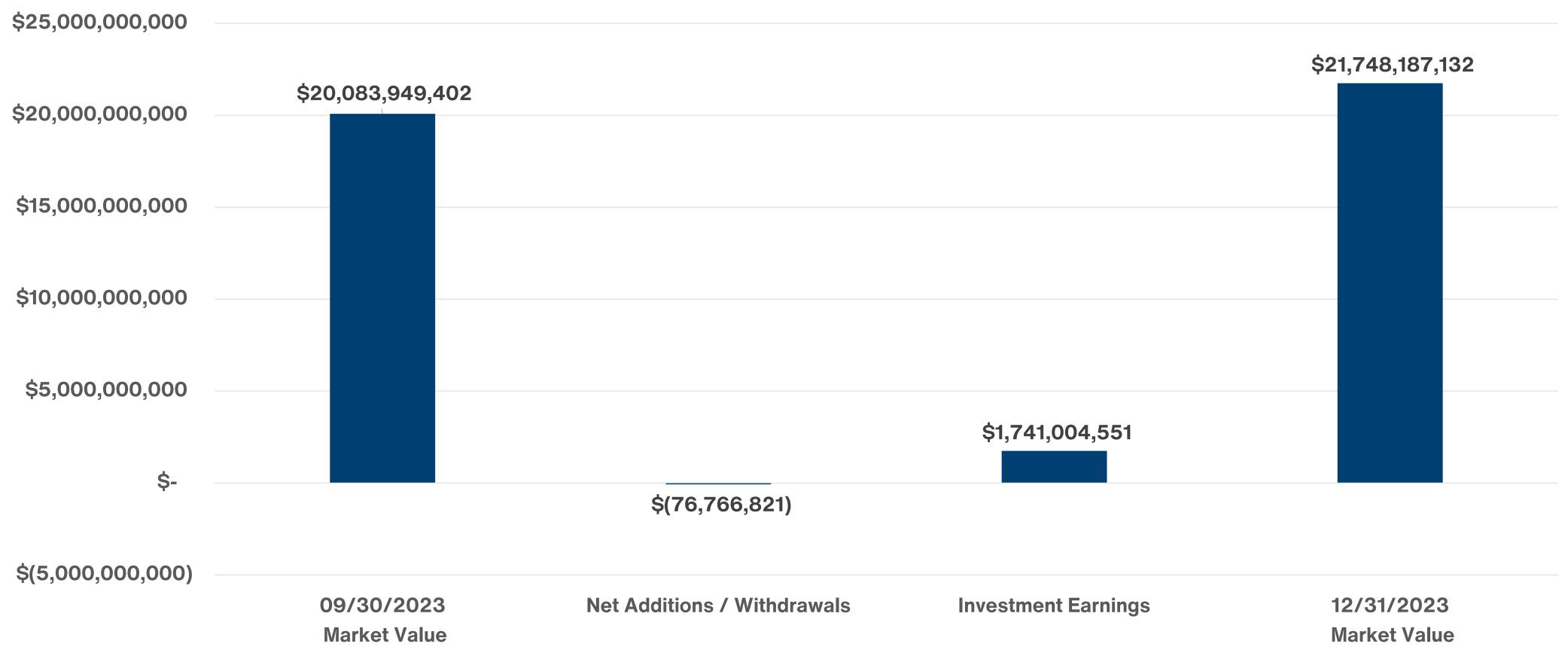
2/31/2023 10-Year¹ 0.38% 1.81% 2.27% 3.88% 3.22% 2.42% 4.60% -0.99% 3.06% -1.11% -3.60% 4.53% 3.25% 7.65% 7.01% 14.53%

Total Fund





Total Plan Asset Summary



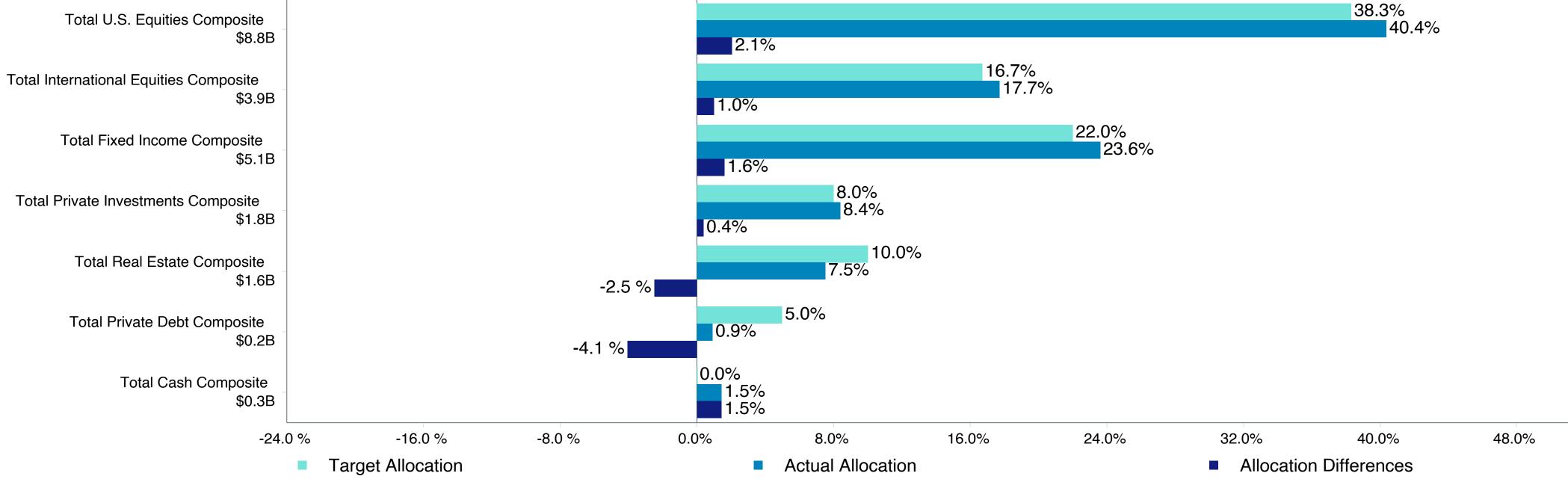




Asset Allocation Compliance

As of December 31, 2023

	Market Value \$M	Current Allocation %	Target Allocation (%)	Minimum Allocation %	Maximum Allocation %
Total Fund	21,748	100.0	100.0	-	-
Total U.S. Equities Composite	8,780	40.4	38.3	33.3	43.3
Total International Equities Composite	3,852	17.7	16.7	11.7	21.7
Total Fixed Income Composite	5,137	23.6	22.0	17.0	27.0
Total Private Investments Composite	1,829	8.4	8.0	0.0	100.0
Total Real Estate Composite	1,634	7.5	10.0	0.0	100.0
Total Private Debt Composite	198	0.9	5.0	0.0	100.0
Total Cash Composite	318	1.5	0.0	0.0	100.0



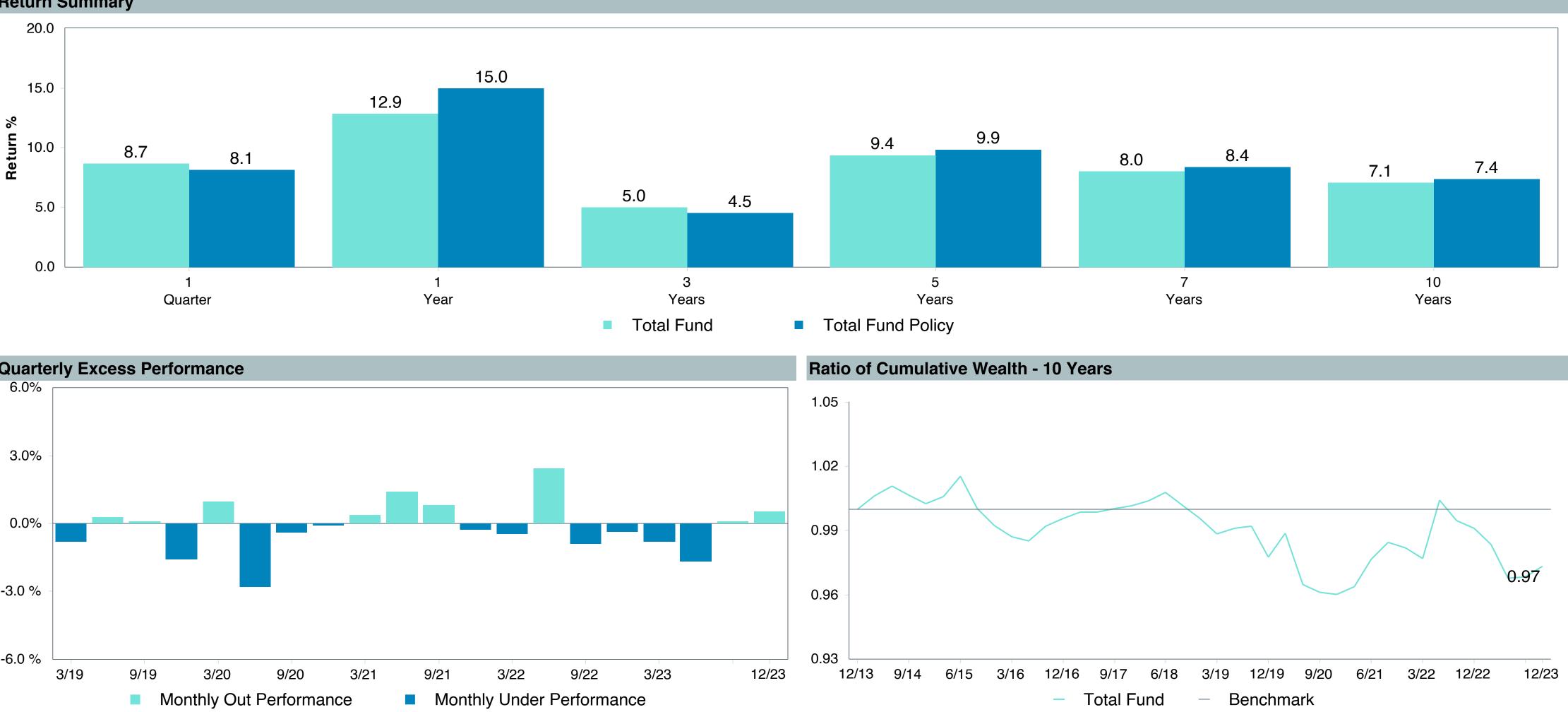
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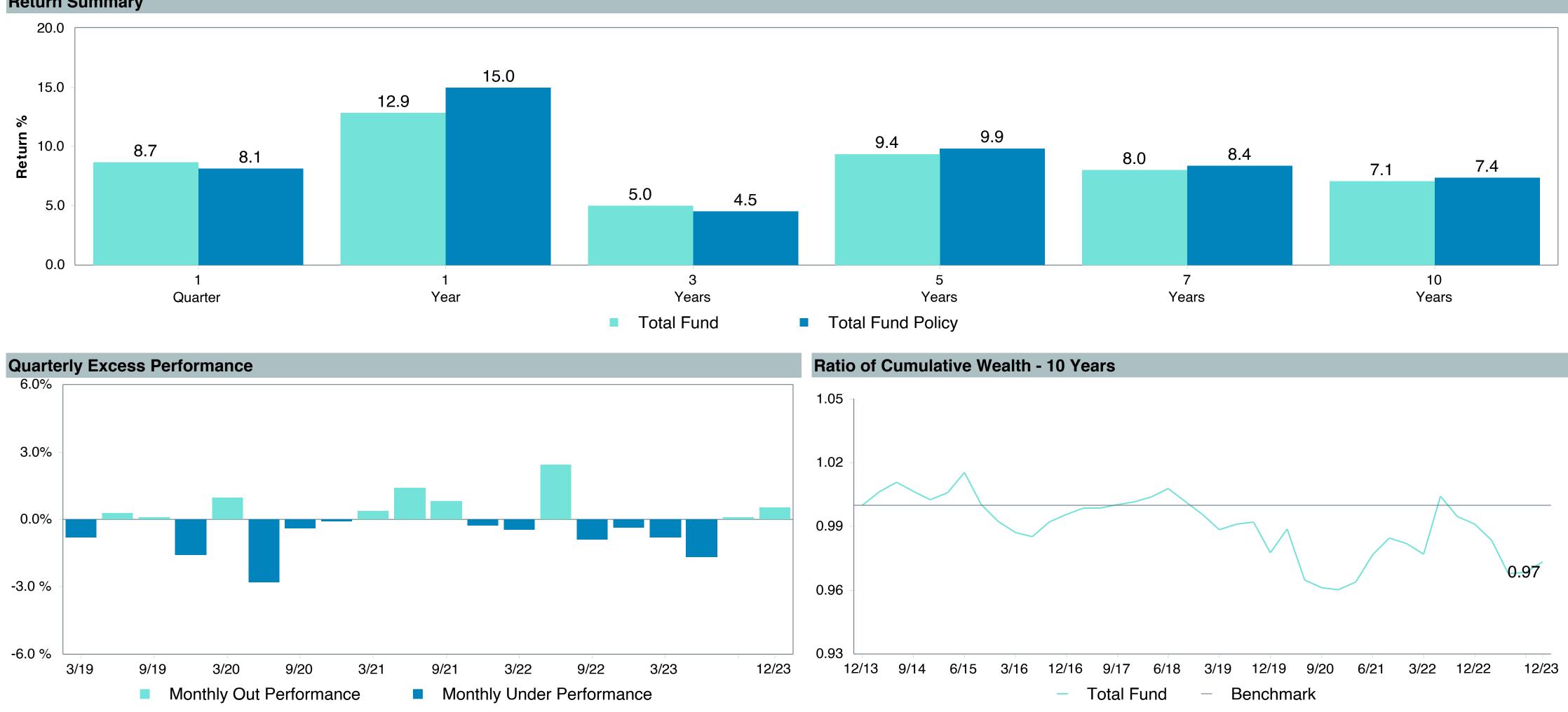
* Based on the limitation of the reporting system, minimum and maximums are listed as 0% to 100% instead of "N/A" for private equity, real estate, private debt, and cash.



Total Plan Performance Summary As of December 31, 2023

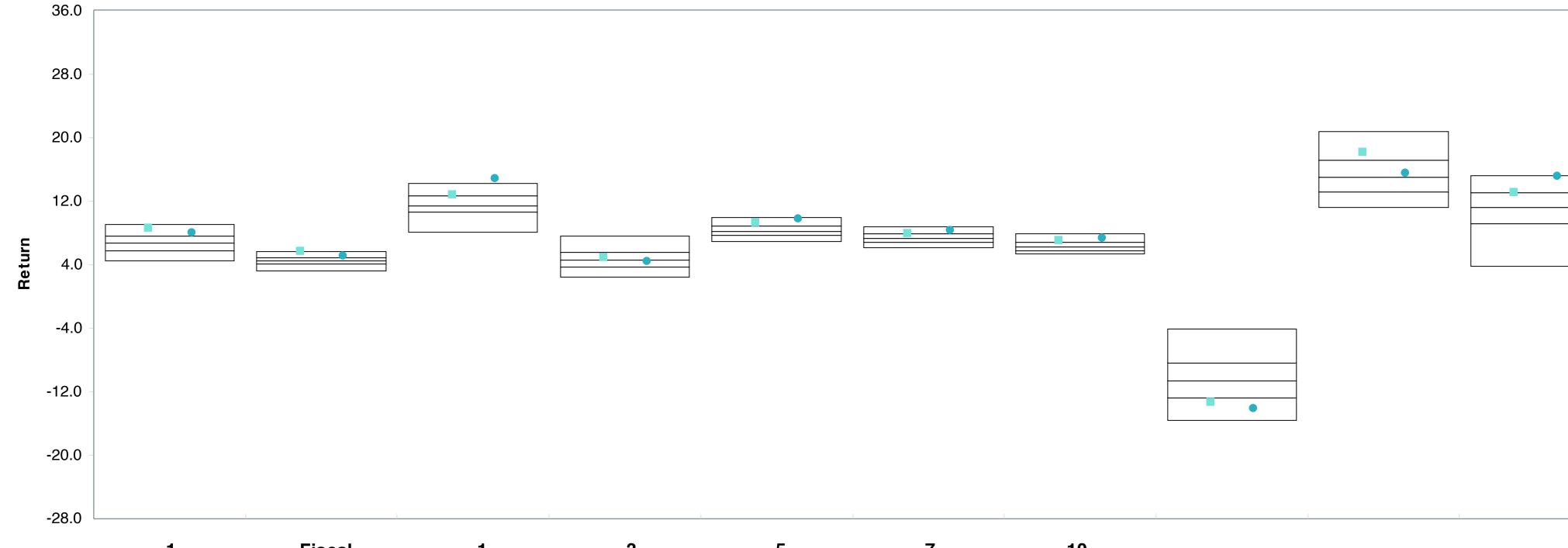
Return Summary







Plan Sponsor Peer Group Analysis: All Public Plans > \$1B As of December 31, 2023



	1 Quarter	Fiscal YTD	1 Year	3 Years	5 Years	7 Years	10 Years	2022	2021	2020
Total Fund	8.7 (9)	5.8 (5)	12.9 (24)	5.0 (36)	9.4 (15)	8.0 (20)	7.1 (21)	-13.2 (80)	18.2 (14)	13.2 (23)
Total Fund Policy	8.1 (17)	5.2 (15)	15.0 (4)	4.5 (52)	9.9 (7)	8.4 (13)	7.4 (14)	-14.1 (86)	15.6 (47)	15.2 (5)
5th Percentile	9.1	5.7	14.3	7.6	10.0	8.8	7.9	-4.1	20.8	15.2
1st Quartile	7.6	4.9	12.6	5.6	8.9	7.9	6.8	-8.4	17.2	13.0
Median	6.7	4.5	11.4	4.5	8.2	7.3	6.2	-10.6	15.0	11.2
3rd Quartile	5.8	4.1	10.6	3.7	7.7	6.8	5.7	-12.8	13.2	9.2
95th Percentile	4.5	3.2	8.1	2.5	7.0	6.1	5.3	-15.6	11.2	3.8

Parentheses contain percentile rankings.



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	Allocat	ion				Performance %			
	Market Value \$	%	1 Quarter	Fiscal YTD	1 Year	3 Years	5 Years	7 Years	10 Years
Total Fund	21,748.2	100.0	8.7 (9)	5.8 (5)	12.9 (24)	5.0 (36)	9.4 (15)	8.0 (20)	7.1 (21
Total Fund Policy			8.1 (17)	5.2 (15)	15.0 (4)	4.5 (52)	9.9 (7)	8.4 (13)	7.4 (14
Total Equities Composite	12,631.9	58.1	11.4	7.7	20.1	6.2	11.5	9.6	8.2
Total Equities Policy			11.4	7.6	22.8	6.5	12.7	10.9	9.2
Total U.S. Equities Composite	8,779.7	40.4	11.6 (55)	8.1 (46)	20.8 (41)	7.8 (53)	13.0 (51)	10.7 (48)	9.6 (45
Total U.S. Equities Policy			12.1 (44)	8.4 (40)	26.0 (24)	8.5 (44)	15.2 (25)	12.8 (28)	11.5 (22
Total International Equities Composite	3,852.2	17.7	11.0 (31)	6.5 (33)	16.8 (51)	1.2 (59)	7.1 (66)	6.5 (62)	3.9 (73
Total International Equities Policy			9.8 (56)	5.6 (46)	15.6 (61)	1.9 (54)	7.6 (59)	6.8 (52)	4.4 (55
Total Fixed Income Composite	5,136.7	23.6	8.2 (3)	4.6 (20)	8.1 (11)	-3.3 (80)	2.5 (23)	2.5 (20)	3.0 (19
Total Fixed Income Policy			6.9 (60)	4.6 (19)	7.9 (13)	-1.7 (22)	2.4 (25)	2.3 (26)	2.7 (29
Total Real Estate Composite	1,633.7	7.5	-1.3	-3.3	-11.0	5.5	3.9	4.7	-
Total Real Estate Policy			-2.0	-4.7	-12.4	7.8	6.3	6.4	7.8
Total Core Real Estate Composite	796.4	3.7	-1.1	-4.3	-12.4	6.7	3.7	4.8	6.5
Total Core Real Estate Policy			-2.1	-4.9	-12.9	8.5	6.0	6.3	7.7
Total Non-Core Real Estate Composite	837.3	3.9	-1.4	-2.2	-9.5	3.8	5.0	5.1	-
Total Non-Core Real Estate Policy			-1.9	-4.4	-12.0	8.1	6.4	6.6	-
Total Private Investments Composite	1,829.4	8.4	4.5	7.0	7.8	18.2	16.5	16.7	-
Total Private Equity Policy			-2.7	-2.7	7.2	1.9	11.5	9.6	10.0
Total Private Debt Composite	198.0	0.9	3.8	-	-	-	-	-	-
Total Private Debt Policy			4.2	-	-	-	-	-	-





Teachers' Retirement System of Oklahoma Total Alternatives Program: Data as of September 30, 2023

Total Program Performance¹

	Committed Capital (\$M)	Total Contributions (\$M)	Total Distributions (\$M)	Market Value (\$M)	Total Distribution to Paid-In Multiple (x)	Total Value Multiple (x)	Net IRR (%)
Total Alternatives Account	6,301.9	4,303.6	3,685.9	3,468.2	0.86	1.7	12.0%
Private Equity	2,532.5	1,898.1	2,179.8	1,534.2	1.15	2.0	17.5%
Private Debt	1,525.0	627.5	544.9	377.2	0.87	1.5	13.5%
Real Estate	2,244.4	1,778.0	961.2	1,556.7	0.54	1.4	6.9%

Total Program Capital Activity¹

		Capital Calls			Distributions	
	Quarter to Date (\$M)	Trailing 12-Months (\$M)	Since Inception (\$M)	Quarter to Date (\$M)	Trailing 12-Months (\$M)	Since Inception (\$M)
Total Alternatives Account	170.4	407.3	4303.6	36.9	348.8	3685.9
Private Equity	40.0	131.7	1898.1	29.9	192.6	2179.8
Private Debt	108.9	108.9	627.5	0.0	28.4	544.9
Real Estate	21.6	166.7	1778.0	7.1	127.8	961.2

¹ Source: Meketa; Private Equity underlying data was provided to Meketa by Franklin Park.



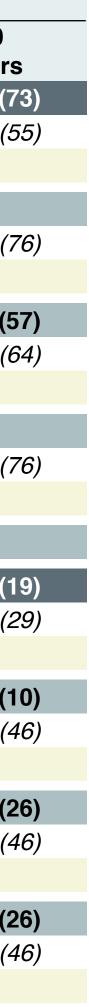
	Allocat	tion				Performance %			
	Market Value \$	%	1 Quarter	Fiscal YTD	1 Year	3 Years	5 Years	7 Years	10 Years
Total Fund	21,748	100.0	8.7 (9)	5.8 (5)	12.9 (24)	5.0 (36)	9.4 (15)	8.0 (20)	7.1 (21
Total Fund Policy			8.1 (17)	5.2 (15)	15.0 (4)	4.5 (52)	9.9 (7)	8.4 (13)	7.4 (14
Difference			0.6	0.6	-2.1	0.5	-0.5	-0.4	-0.3
Total Equities Composite	12,632	58.1	11.4	7.7	20.1	6.2	11.5	9.6	8.2
Total Equities Policy			11.4	7.6	22.8	6.5	12.7	10.9	9.2
Difference			0.0	0.1	-2.7	-0.3	-1.2	-1.3	-1.0
Total U.S. Equities Composite	8,780	40.4	11.6 (55)	8.1 (46)	20.8 (41)	7.8 (53)	13.0 (51)	10.7 (48)	9.6 (4
Total U.S. Equities Policy			12.1 (44)	8.4 (40)	26.0 (24)	8.5 (44)	15.2 (25)	12.8 (28)	11.5 (22
Difference			-0.5	-0.3	-5.2	-0.7	-2.2	-2.1	-1.9
Frontier Small Cap Value	512	2.4	13.3 (38)	13.7 (16)	26.0 (6)	15.8 (10)	15.1 (9)	9.0 (21)	9.5 (8)
Russell 2000 Value Index			15.3 <i>(</i> 12)	11.8 (25)	14.6 (65)	7.9 (72)	10.0 (81)	6.1 (79)	6.8 (74
Difference			-2.0	1.9	11.4	7.9	5.1	2.9	2.7
Geneva US Small Cap Growth	452	2.1	10.6 (53)	3.8 (48)	19.0 (37)	0.2 (32)	11.5 (50)	11.3 (44)	9.9 (25
Russell 2000 Growth Index			12.7 (20)	4.5 (38)	18.7 (41)	-3.5 (61)	9.2 (84)	8.1 (93)	7.2 (89
Difference			-2.1	-0.7	0.3	3.7	2.3	3.2	2.7
Northern Trust Russell 3000	5,410	24.9	12.0 (43)	8.4 (40)	25.9 (32)	-	-	-	-
Russell 3000 Index			12.1 (42)	8.4 (39)	26.0 (31)	8.5 (43)	15.2 (23)	12.8 (29)	11.5 (1)
Difference			-0.1	0.0	-0.1	-	-	-	-
SciBeta US HFE MBMS	2,406	11.1	10.1 (75)	7.2 (59)	13.6 (74)	7.6 (54)	11.6 (68)	-	-
SciBeta US High FactorExposure Index			10.1 (75)	7.4 (57)	13.6 (74)	7.7 (53)	11.7 (67)	-	-
Difference			0.0	-0.2	0.0	-0.1	-0.1	-	-
Russell 3000 Index			12.1 (44)	8.4 (40)	26.0 (24)	8.5 (44)	15.2 (25)	12.8 (28)	11.5 (22
Difference			-2.0	-1.2	-12.4	-0.9	-3.6	-	-





	Allocat	tion				Performance %			
	Market Value \$	%	1 Quarter	Fiscal YTD	1 Year	3 Years	5 Years	7 Years	10 Years
Total International Equities Composite	3,852	17.7	11.0 (31)	6.5 (33)	16.8 (51)	1.2 (59)	7.1 (66)	6.5 (62)	3.9 (73
Total International Equities Policy			9.8 (56)	5.6 (46)	15.6 (61)	1.9 (54)	7.6 (59)	6.8 (52)	4.4 (58
Difference			1.2	0.9	1.2	-0.7	-0.5	-0.3	-0.5
Northern Trust MSCI ACWI ex US ex-China	2,976	13.7	11.1 (29)	7.1 (26)	17.5 (46)	-	-	-	-
MSCI AC World ex USA Index (Net)			9.8 (56)	5.6 (46)	15.6 (61)	1.5 (58)	7.1 (67)	6.3 (66)	3.8 (76
Difference			1.3	1.5	1.9	-	-	-	-
Causeway Intl Opportunities	356	1.6	8.3 (87)	6.0 (38)	23.6 (5)	5.7 (10)	9.0 (21)	7.5 (29)	4.4 (57
Causeway Intl Policy			8.5 (86)	8.6 (12)	18.1 (31)	6.5 (6)	7.0 (72)	6.0 (77)	4.2 (64
Difference			-0.2	-2.6	5.5	-0.8	2.0	1.5	0.2
Harding Loevner Intl. Equity	519	2.4	11.9 (21)	-	-	-	-	-	-
MSCI AC World ex USA Index (Net)			9.8 (56)	5.6 (46)	15.6 (61)	1.5 (58)	7.1 (67)	6.3 (66)	3.8 (76
Difference			2.1	-	-	-	-	-	-
Transition Account	2	0.0							
Total Fixed Income Composite	5,137	23.6	8.2 (3)	4.6 (20)	8.1 (11)	-3.3 (80)	2.5 (23)	2.5 (20)	3.0 (19
Total Fixed Income Policy			6.9 (60)	4.6 (19)	7.9 (13)	-1.7 (22)	2.4 (25)	2.3 (26)	2.7 (29
Difference			1.3	0.0	0.2	-1.6	0.1	0.2	0.3
Loomis Multisector Full Discretion	1,508	6.9	7.3 (27)	5.9 (3)	8.3 (10)	-1.4 (18)	3.8 (6)	3.3 (6)	3.4 (10
Total Fixed Income Core Plus Policy			6.9 (60)	4.6 (19)	7.9 (13)	-1.7 (23)	2.4 (24)	2.1 (35)	2.4 (46
Difference			0.4	1.3	0.4	0.3	1.4	1.2	1.0
Lord Abbett Core Plus Full Discretion	1,440	6.6	7.1 (46)	5.0 (14)	8.6 (8)	-1.3 (18)	2.7 (22)	2.3 (24)	2.7 (20
Total Fixed Income Core Plus Policy			6.9 (60)	4.6 (19)	7.9 (13)	-1.7 (23)	2.4 (24)	2.1 (35)	2.4 (46
Difference			0.2	0.4	0.7	0.4	0.3	0.2	0.3
Mackay Core Plus Extended Discretion	1,482	6.8	7.6 (7)	5.8 (3)	9.9 (3)	-0.8 (12)	3.7 (8)	2.9 (14)	2.7 (26
Total Fixed Income Core Plus Policy			6.9 (60)	4.6 (19)	7.9 (13)	-1.7 (23)	2.4 (24)	2.1 (35)	2.4 (46
Difference			0.7	1.2	2.0	0.9	1.3	0.8	0.3





	Allocat	ion				Performance %			
	Market Value \$	%	1 Quarter	Fiscal YTD	1 Year	3 Years	5 Years	7 Years	10 Years
Hoisington Macroeconomic FI	707	3.2	14.0 (35)	-1.0 (64)	3.0 (60)	-13.0 (60)	-1.3 (54)	0.1 (49)	2.7 (26
Total Fixed Income Active Duration Policy			5.7 (55)	2.4 (39)	4.1 (33)	-3.8 (44)	0.5 (38)	0.8 (34)	1.4 (5
Difference			8.3	-3.4	-1.1	-9.2	-1.8	-0.7	1.3
Total Core Real Estate Composite	796	3.7	-1.1	-4.3	-12.4	6.7	3.7	4.8	6.5
Total Core Real Estate Policy			-2.1	-4.9	-12.9	8.5	6.0	6.3	7.7
Difference			1.0	0.6	0.5	-1.8	-2.3	-1.5	-1.2
AEW Core Property Trust	395	1.8	-1.0	-4.5	-12.1	7.0	5.4	5.9	6.9
Heitman America Real Estate Trust	402	1.8	-1.3	-4.1	-11.6	8.6	4.9	5.6	7.3
Total Non-Core Real Estate Composite	837	3.9	-1.4	-2.2	-9.5	3.8	5.0	5.1	•
Total Non-Core Real Estate Policy			-1.9	-4.4	-12.0	8.1	6.4	6.6	-
Difference			0.5	2.2	2.5	-4.3	-1.4	-1.5	-
Total Private Investments Composite	1,829	8.4	4.5	7.0	7.8	18.2	16.5	16.7	-
Total Private Equity Policy			-2.7	-2.7	7.2	1.9	11.5	9.6	10.0
Difference			7.2	9.7	0.6	16.3	5.0	7.1	-
Total Private Debt Composite	198	0.9	3.8	-	-	-	-	-	-
Total Private Debt Policy			4.2	-	-	-	-	-	-
Difference			-0.4	-	-	-	-	-	-
Ares (Private Credit Fund O, LLC)	80	0.4	2.4	-	-	-	-	-	-
KKR (Scissor-Tail Credit Fund, LLC)	118	0.5	4.8	-	-	-	-	-	-





Teachers' Retirement System of Oklahoma Data as of September 30, 2023

Private Equity Program – Performance Analysis (By Strategy)¹

Group	Number	Committed (\$M)	Contributed (\$M)	Unfunded (\$M)	Distributed (\$м)	Remaining Value (\$M)	Exposure (\$M)	DPI (X)	TVPI (X)	IRR (%)
Buyout	51	1,466.5	1,083.5	529.7	1,341.5	924.2	1,453.9	1.15	1.96	17.5
Distressed	3	95.0	89.3	6.0	98.7	26.1	32.1	1.11	1.40	5.9
Oil & Gas	4	141.0	147.7	4.0	160.4	62.7	66.7	1.09	1.51	9.5
Growth Equity	2	45.0	11.5	33.5	0.0	10.7	44.2	0.00	0.93	NM
Multi-strategy	2	190.0	134.2	58.2	3.5	158.6	216.7	0.03	1.21	12.8
Private Debt	3	60.0	78.1	8.1	125.2	15.7	23.9	1.60	1.80	16.5
Secondary	2	25.0	23.2	2.6	33.1	2.2	4.8	1.43	1.52	12.1
Special Situations	6	185.0	154.6	54.0	185.5	81.8	135.8	1.20	1.73	17.5
Venture Capital	11	325.0	176.0	144.8	231.8	252.1	396.9	1.32	2.75	22.8
Total	84	2,532.5	1,898.1	840.8	2,179.8	1,534.2	2,375.0	1.15	1.96	17.5

Private Debt Program – Performance Analysis (By Strategy)¹

Group	Number	Committed (\$M)	Contributed (\$м)	Unfunded (\$M)	Distributed (\$M)	Remaining Value (\$M)	Exposure (\$M)	DPI (X)	TVPI (X)	IRR (%)
Debt	4	925.0	490.8	525.2	464.1	248.1	773.3	0.95	1.45	12.9
Opportunistic	2	600.0	136.7	544.2	80.8	129.2	673.4	0.59	1.54	17.1
Total	6	1,525.0	627.5	1,069.4	544.9	377.2	1,446.6	0.87	1.47	13.5

¹ Source: Meketa; Private Equity underlying data was provided to Meketa by Franklin Park.



Teachers' Retirement System of Oklahoma Data as of September 30, 2023

Real Estate Program – Performance Analysis (By Strategy)¹

Group	Number	Committed (\$M)	Contributed (\$M)	Unfunded (\$M)	Distributed (\$M)	Remaining Value (\$M)	Exposure (\$M)	DPI (X)	TVPI (X)	IRR (%)
Core	3	472.9	808.7	0.0	594.8	799.4	799.4	0.74	1.72	7.6
Opportunistic	8	737.5	260.0	489.8	150.2	176.1	665.9	0.58	1.25	8.7
Direct Investment	1	14.1	18.7	0.0	6.4	9.8	9.8	0.34	0.87	-4.0
Secondary	1	35.0	32.3	2.7	33.0	5.1	7.9	1.02	1.18	6.6
Value-Added	14	985.0	658.3	352.7	176.8	566.3	918.9	0.27	1.13	3.7
Total	27	2,144.4	1,778.0	745.2	961.2	1,556.7	2,301.9	0.54	1.42	6.9

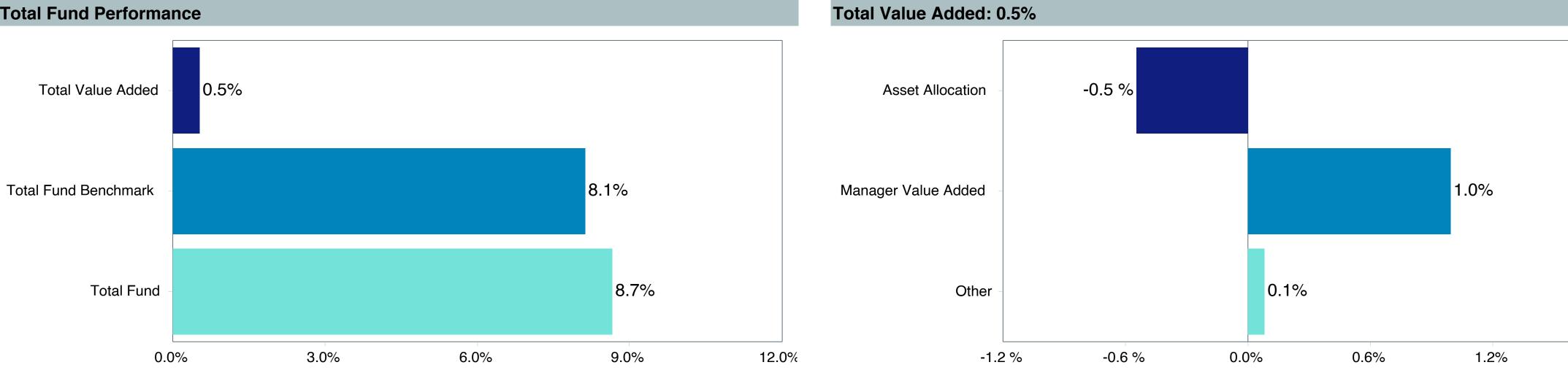
¹ Source: Meketa



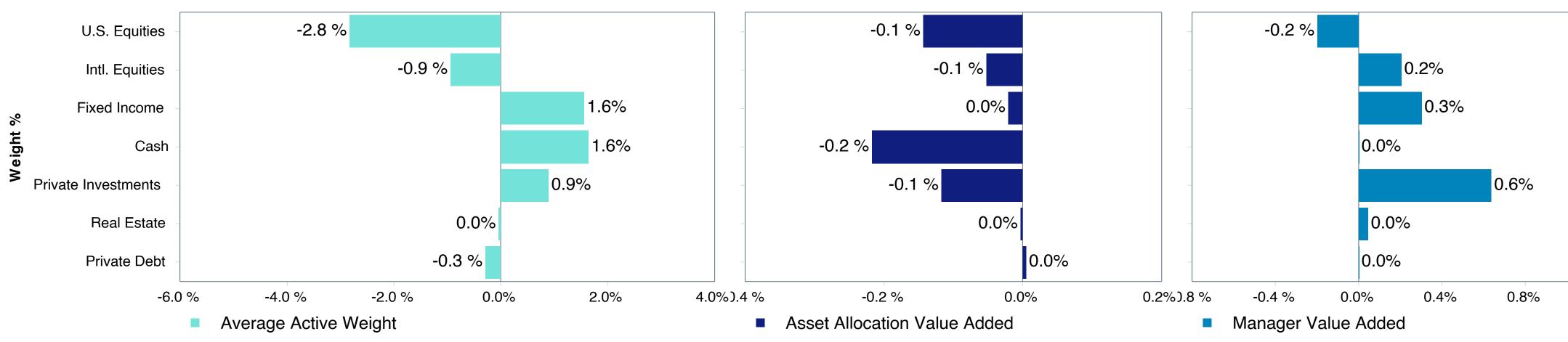
Total Fund Attribution

1 Quarter Ending December 31, 2023

Total Fund Performance

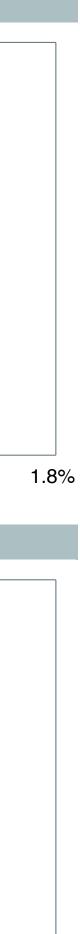


Total Asset Allocation: -0.5 %





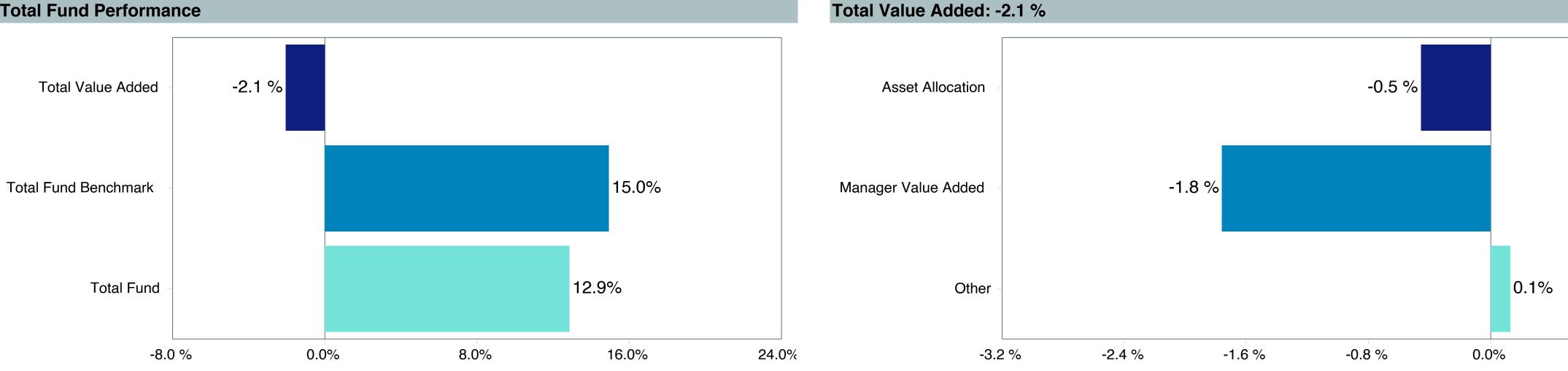
Total Manager Value Added: 1.0%



1.2%

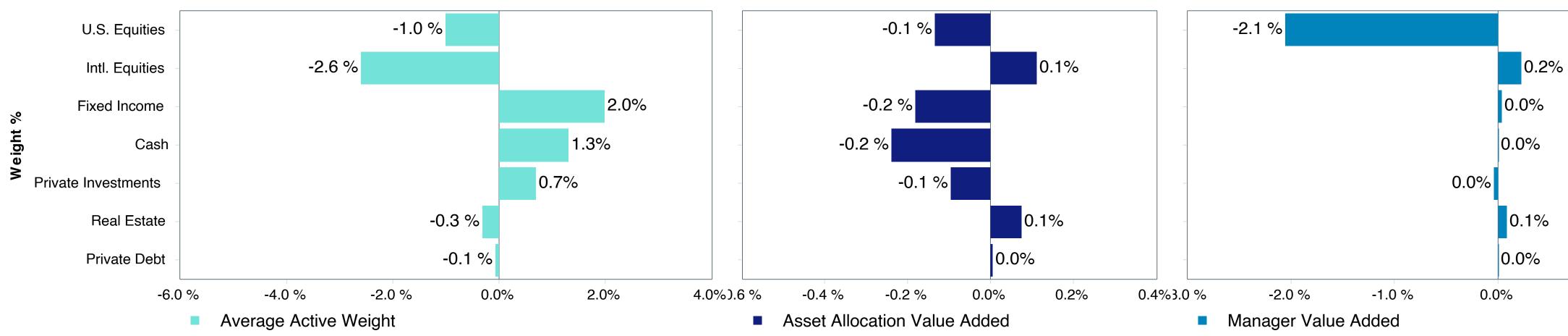
Total Fund Attribution 1 Year Ending December 31, 2023

Total Fund Performance

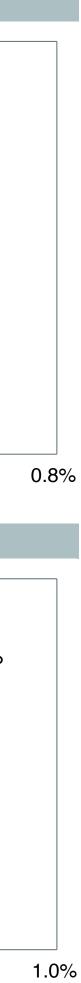


Total Asset Allocation: -0.5 %

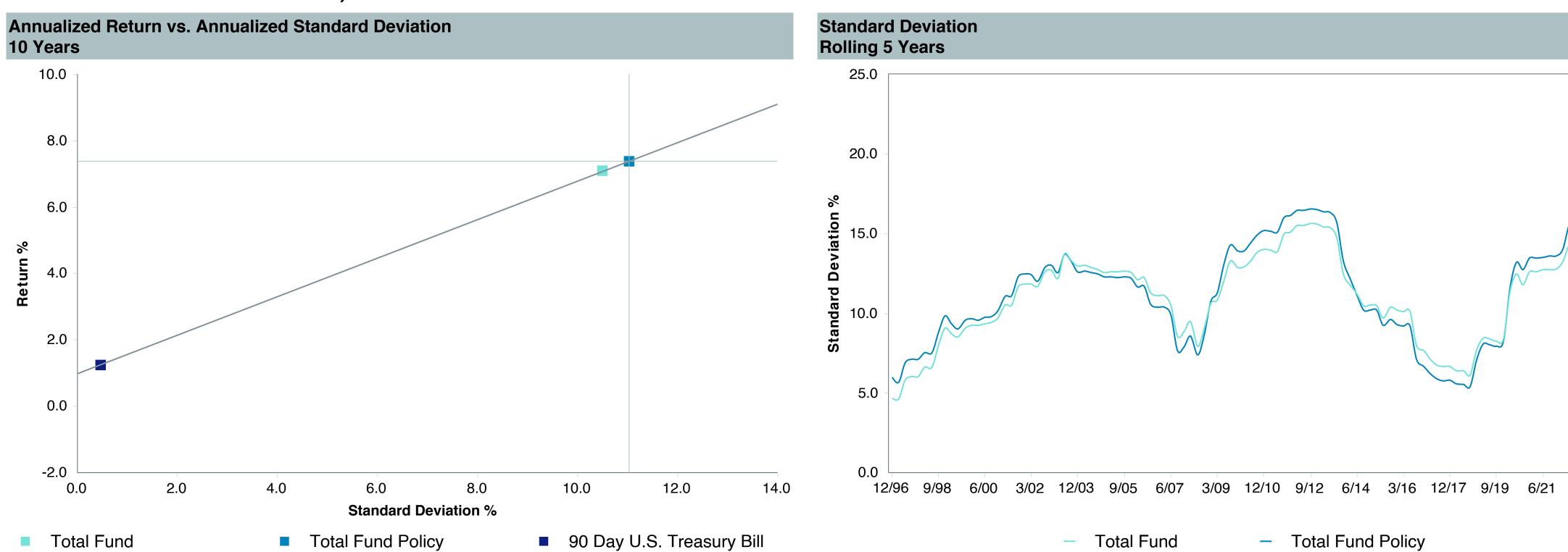
AON



Total Manager Value Added: -1.8 %



Risk Profile As of December 31, 2023



10 Years Historical Statistics										
	Active Return	Tracking Error	Information Ratio	R-Squared	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlatio
Total Fund	-0.33	1.84	-0.18	0.97	0.59	0.15	0.94	7.09	10.50	0.99
Total Fund Policy	0.00	0.00	-	1.00	0.59	0.00	1.00	7.38	11.03	1.00
90 Day U.S. Treasury Bill	-6.52	11.07	-0.59	0.00	-	1.26	0.00	1.24	0.46	-0.05



 Total Fund - Total Fund Policy



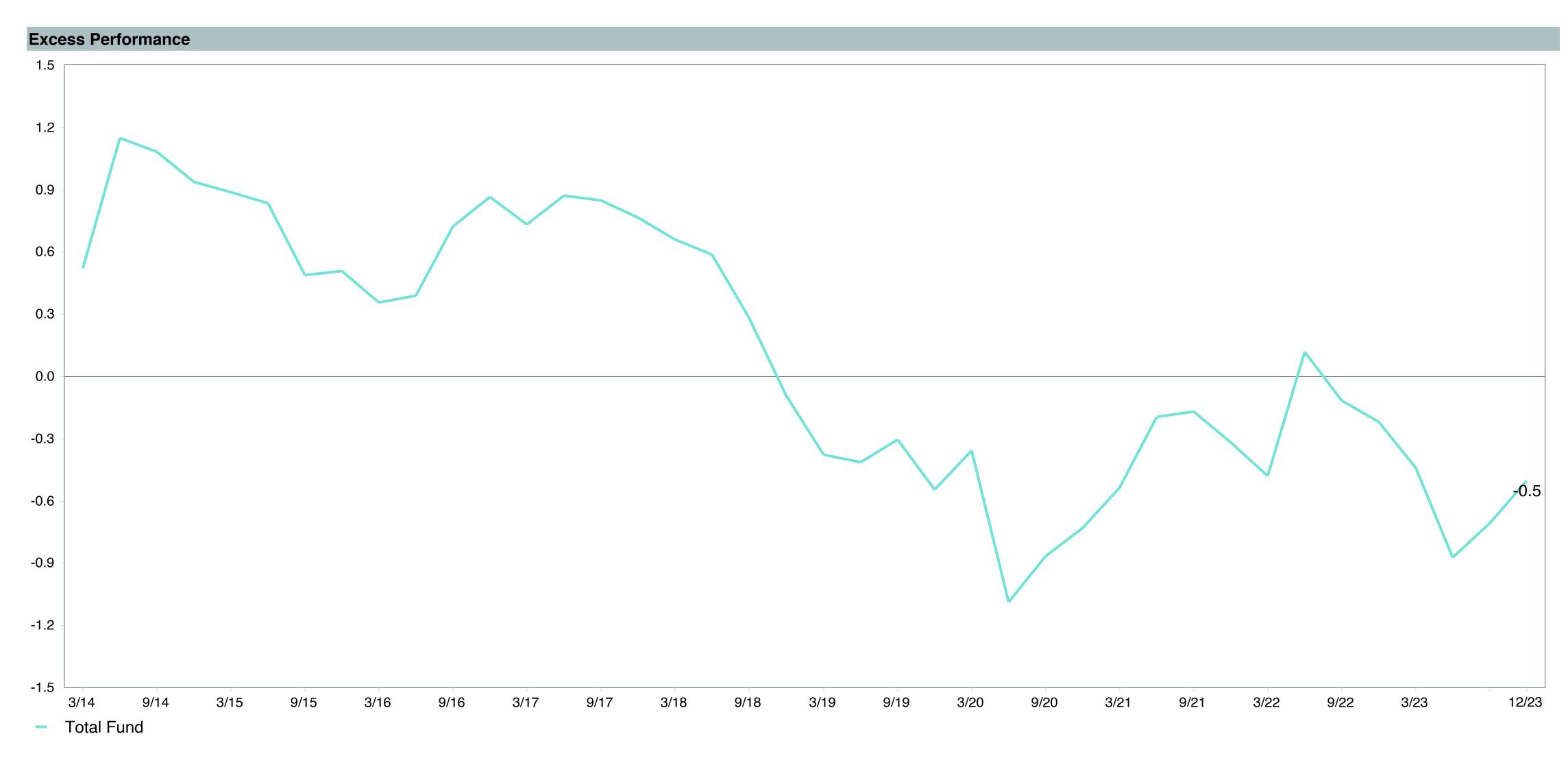


Appendix





Rolling Five Years - Total Fund Excess Performance (vs. Total Fund Policy)



AON

Statistics: Rolling Five Year - Information Ratio and Standard Deviation







Historical Statistics

5 Years Ending December 31, 2023

	Excess Performance	Tracking Error	Information Ratio	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlatior
Total Fund	-0.50	2.26	-0.29	0.59	0.28	0.91	9.38	13.87	0.99
Total Fund Policy	0.00	0.00	-	0.58	0.00	1.00	9.88	15.05	1.00





Benchmark History

As of December 31, 2023

From Date	To Date	
Total Fund		
10/01/2023	Present	42.50% Russell 3000 Index, 18.50% MSCI AC Wor ODCE + 1%, 8.00% PE Benchmark Russell 3k + M
07/01/2023	10/01/2023	43.20% Russell 3000 Index, 18.80% MSCI AC Wor return, 8.00% 50% ODCE + 50% ODCE + 1%
04/01/2023	07/01/2023	42.80% Russell 3000 Index, 18.70% MSCI AC Wor 50% ODCE + 50% ODCE + 1%
10/01/2022	04/01/2023	42.50% Russell 3000 Index, 18.50% MSCI AC Wor 50% ODCE + 50% ODCE + 1%
07/01/2022	10/01/2022	42.80% Russell 3000 Index, 18.70% MSCI AC Wor 50% ODCE + 50% ODCE + 1%
04/01/2022	07/01/2022	43.90% Russell 3000 Index, 19.10% MSCI AC Wor 50% ODCE + 50% ODCE + 1%
02/01/2022	04/01/2022	44.60% Russell 3000 Index, 19.40% MSCI AC Wor 50% ODCE + 50% ODCE + 1%
10/01/2019	02/01/2022	43.50% Russell 3000 Index, 19.00% MSCI AC Wor NCREIF Property Index
04/01/2017	10/01/2019	38.50% Russell 3000 Index, 19.00% MSCI AC Wor NCREIF Property Index, 5.00% Alerian MLP Index
10/01/2016	04/01/2017	40.00% Russell 3000 Index, 17.50% MSCI AC Wor NCREIF Property Index, 7.00% Alerian MLP Index
02/01/2001	10/01/2016	17.00% Russell 1000 Index, 13.00% Russell Midca 5.00% Russell 1000 + 4%, 7.00% NCREIF Fund In Yield Index
Total Equities Co	mposite	
07/01/2023	Present	70.00% Russell 3000 Index, 30.00% MSCI AC Wor
02/01/2022	07/01/2023	70.00% Russell 3000 Index, 30.00% MSCI AC Wor
06/01/1994	02/01/2022	67.00% Russell 3000 Index, 33.00% MSCI AC Wor
04/01/1990	06/01/1994	100.00% Russell 3000 Index
Total U.S. Equitie	s Composite	
01/01/1979	Present	100.00% Russell 3000 Index



Benchmark

orld ex USA Index (Net), 22.00% 70% Bloomberg Barclays Agg / 30% ICE HY Constrained, 8.00% 50% ODCE + 50% MSCI ACWI ex USA + 2.5% (1 Qtr. Lag), 1.00% Morningstar LSTA US Leveraged Loan 100 Index + 3% orld ex USA Index (Net), 22.00% 70% Bloomberg Barclays Agg / 30% ICE HY Constrained, 8.00% Private Equity 0% orld ex USA IMI, 22.00% 70% Bloomberg Barclays Agg / 30% ICE HY Constrained, 8.00% Russell 2000 + 4%, 8.50% orld ex USA IMI, 22.00% 70% Bloomberg Barclays Agg / 30% ICE HY Constrained, 8.00% Russell 2000 + 4%, 9.00% orld ex USA IMI, 22.00% 70% Bloomberg Barclays Agg / 30% ICE HY Constrained, 8.00% Russell 2000 + 4%, 8.50% orld ex USA IMI, 22.00% 70% Bloomberg Barclays Agg / 30% ICE HY Constrained, 8.00% Russell 2000 + 4%, 8.50% orld ex USA IMI, 22.00% 70% Bloomberg Barclays Agg / 30% ICE HY Constrained, 8.00% Russell 2000 + 4%, 7.00% orld ex USA IMI, 22.00% 70% Bloomberg Barclays Agg / 30% ICE HY Constrained, 8.00% Russell 2000 + 4%, 6.00% orld ex USA IMI, 22.00% 70% Bloomberg Barclays Agg / 30% ICE HY Constrained, 8.00% Russell 2000 + 4%, 6.00% orld ex USA IMI, 22.00% 70% Bloomberg Barclays Agg / 30% ICE HY Constrained, 8.00% Russell 2000 + 4%, 9.00% orld ex USA IMI, 22.00% 70% Bloomberg Barclays Agg / 30% ICE HY Constrained, 6.50% Russell 2000 + 4%, 9.00% orld ex USA IMI, 23.50% 70% Bloomberg Barclays Agg / 30% ICE HY Constrained, 5.00% Russell 2000 + 4%, 9.00% x orld ex USA IMI, 23.50% 70% Bloomberg Barclays Agg / 30% ICE HY Constrained, 5.00% Russell 2000 + 4%, 7.00% x orld ex USA IMI, 23.50% 70% Bloomberg Barclays Agg / 30% ICE HY Constrained, 5.00% Russell 2000 + 4%, 7.00% X

orld ex USA Index (Net) orld ex USA IMI orld ex USA IMI

Benchmark History

As of December 31, 2023

From Date	To Date	
Total International	Equities Composite	
07/01/2023	Present	100.00% MSCI AC World ex USA Index (Net)
01/01/1988	07/01/2023	100.00% MSCI AC World ex USA IMI
Causeway Intl Op	portunities Policy	
10/01/2016	Present	100.00% MSCI AC World ex USA Value
01/01/1988	10/01/2016	100.00% MSCI AC World ex USA Index
Total Fixed Incom	e Composite	
01/01/1997	Present	100.00% 70% Bloomberg Barclays Agg / 30% ICE
Total Fixed Incom	e Core Plus Policy	
09/01/2019	Present	70.00% Blmbg. U.S. Aggregate, 30.00% ICE BofA
12/01/2018	09/01/2019	70.00% Blmbg. U.S. Universal Index, 30.00% ICE E
10/01/2016	12/01/2018	100.00% Blmbg. U.S. Universal Index
01/01/1976	10/01/2016	100.00% Blmbg. U.S. Aggregate
Total Fixed Incom	e Active Duration Po	licy
10/01/2016	Present	100.00% Blmbg. U.S. Treasury
01/01/1976	10/01/2016	100.00% Blmbg. U.S. Aggregate
Total Real Estate	Composite	
02/01/2022	Present	100.00% 50% ODCE + 50% ODCE + 1%
01/01/1978	02/01/2022	100.00% NCREIF Property Index
Total Core Real E	state Composite	
02/01/2022	Present	100.00% NCREIF-ODCE
01/01/1978	02/01/2022	100.00% NCREIF Fund Index-ODCE (VW) (Net)
Total Non-Core Re	eal Estate Composite)
02/01/2022	Present	100.00% NCREIF ODCE + 1%
07/01/2014	02/01/2022	100.00% NCREIF Property Index
Total Private Inves	stments Composite	
10/01/2023	Present	100.00% PE Benchmark Russell 3k + MSCI ACWI
07/01/2023	10/01/2023	100.00% Private Equity 0% return
01/01/1979	07/01/2023	100.00% Russell 2000 + 4%



HY Constrained

A U.S. High Yield Index BofA U.S. High Yield Index

l ex USA + 2.5% (1 Qtr. Lag)



Benchmark History

As of December 31, 2023

From Date To Date

Total Private Debt Composite06/01/2023Present

100.00% Morningstar LSTA US Leveraged Loan 100 Index + 3%



Benchmark

TRSOK – Financial Reconciliation Report – Three Months

	09/30/2023			_		12/31/2023
Account/Group Oklahoma Teachers	Market Value	Net Contribution*		Fees	Appreciation	Market Value
	20,083,949,402	-76,766,821	138,323,561	6,483,294	1,602,680,991	21,748,187,132
Total Equity	11,822,905,864	-470,000,000	52,942,664	2,432,881	1,226,078,033	12,631,926,561
Total Domestic Equity	8,145,272,911	-270,000,000	37,507,747	1,593,953	868,461,543	8,781,242,200
Transition Account	1,926,467		45,769	2,569	-451,184	1,521,053
Global Transition	1,919,581		45,671	2,569	-451,182	1,514,070
Transition Account	6,886		98		-2	6,983
Domestic Equity Active	860,792,010		2,612,081	956,724	101,103,338	964,507,429
Domestic Equity Active Mid	-					-
Domestic Equity Active Small	860,792,010		2,612,081	956,724	101,103,338	964,507,429
Frontier Cap Small Cap	452,069,196		2,025,159	537,624	58,234,327	512,328,682
Geneva Capital	408,722,814		586,922	419,100	42,869,011	452,178,747
Domestic Equity Indexed	7,282,554,434	-270,000,000	34,849,896	634,660	767,809,388	7,815,213,719
Domestic Equity Index Cap Wgt	4,828,271,788		21,986,535	102,251	559,318,258	5,409,576,580
NT Russell 3000	4,828,271,788		21,986,535	102,251	559,318,258	5,409,576,580
Domestic Equity Indexed NonCap	2,454,282,647	-270,000,000	12,863,361	532,409	208,491,131	2,405,637,138
Sci Beta US HFE MBMS	2,454,282,647	-270,000,000	12,863,361	532,409	208,491,131	2,405,637,138
Total International Equity	3,677,632,953	-200,000,000	15,434,917	838,928	357,616,491	3,850,684,360
International Large Cap	3,677,632,953	-200,000,000	15,434,917	838,928	357,616,491	3,850,684,360
ACWI ex-US ex-China	2,885,276,909	-200,000,000	11,977,770	75,022	278,624,406	2,975,879,085
Causew ay Capital	328,602,188		1,284,536	314,876	26,160,029	356,046,752
Harding Loevner Intl Eq	463,750,790		2,172,611	449,030	52,832,056	518,755,457
TOK121 SANCTIONED ASSET	3,066					3,066
International Small Cap	-					-
Total Fixed Income	4,748,065,274		61,438,644	2,259,603	327,160,874	5,136,664,792
Core Fixed Income	4,748,065,274		61,438,644	2,259,603	327,160,874	5,136,664,792
Core Plus Fixed Income	4,127,940,455		56,202,671	2,100,956	245,788,604	4,429,931,730
Loomis Sayles Core Plus	1,405,895,577		15,858,344	817,936	86,659,928	1,508,413,849
Lord Abbett Core Plus	1,344,773,222		19,823,847	547,477	75,307,409	1,439,904,478
Mackay Shields Core Plus	1,377,271,656		20,520,480	735,543	83,821,268	1,481,613,403
Active Duration Fixed Income	620,124,818		5,235,973	158,648	81,372,270	706,733,062
Hoisington Investment	620,124,818		5,235,973	158,648	81,372,270	706,733,062
Total Alternative Assets	3,451,636,861	143,975,361	17,262,458	1,777,875	48,322,090	3,661,196,769
Private Capital	1,758,510,563	-8,337,949			79,266,026	1,829,438,641
Private Equity	1,548,437,719	-8,337,949			28,114,414	1,568,214,185
Franklin Park	1,542,601,825	-8,254,488			27,835,378	1,562,182,716



TRSOK – Financial Reconciliation Report – Three Months

Account/Group	09/30/2023 Market Value	Net Contribution*	Income	Fees	Appreciation	12/31/2023 Market Value
Legacy LP	5,835,894	-83,461	Income	1000	279,036	6,031,469
Special Opportunities	210,072,844				51,151,612	261,224,456
Pimco Bravo						
Pimco Bravo II	6,910,971				380,159	7,291,130
PIMCO Bravo III	157,745,945				15,131,989	172,877,934
Pimco COF II	45,415,928				35,639,464	81,055,392
Total Real Estate	1,584,266,298	70,307,145	17,262,458	1,777,875	-38,105,053	1,633,730,847
Core Real Estate	812,138,894	-6,425,521	14,459,623	1,445,661	-23,755,219	796,417,777
AEW Core Property Trust	402,114,290	-3,472,643	3,472,643		-7,559,114	394,555,177
Heitman America Real Estate	409,854,281	-2,798,630	10,986,980	1,445,661	-16,201,310	401,841,321
L&B Core Income	170,323	-154,248			5,205	21,280
Non-Core Real Estate	772,127,403	76,732,665	2,802,835	332,214	-14,349,835	837,313,069
AGXI Non-Core Real Estate	13,930,594	5,000,000			909,313	19,839,907
American Strategic Value	124,585,656		540,732	332,214	-2,819,784	122,306,603
Angelo Gordon VAL FD X	43,285,822				-480,125	42,805,697
Artemis Real Estate III	30,898,057	2,685,414			38,232	33,621,703
Artemis Real Estate IV	4,004,832	1,557,872	7,112		-408,918	5,160,898
Blackstone Real Estate X	3,718,109	828,423	1		-520,652	4,025,881
Dune Real Estate III	18,729,214				-7,074,363	11,654,851
Dune Real Estate IV	50,749,261	4,730,226			-648,808	54,830,679
FCP Realty Fund IV, L.P.	41,141,828				-231,378	40,910,450
FCP Realty Fund V	73,266,653	11,770,816			410,590	85,448,059
GreenOak US II	19,269,701				11,668	19,281,369
GreenOak US III	44,133,635	271,669			42,439	44,447,743
Harbert European Real Estate V	37,397,916	-764,574	952,247		1,076,169	38,661,758
Invesco Real Estate VI	44,876,268	8,147,656	32,868		-1,417,489	51,639,303
Invesco Strategic Opportunity	15,981,446				429,690	16,411,136
L&B Golden Driller	36,022,981				-2,781	36,020,200
Landmark Real Estate IX	-					
Landmark Real Estate VII	5,160,819	-513,152	515,842		-563,014	4,600,496
Lyrical-OTRS Realty Partner IV	58,628,256	-3,100,000			-517,048	55,011,208
Oaktree Real Estate IX	-					
Property ACQ Fund	9,425,000					9,425,000
Starw ood Opportunity X	10,610,002				-330,713	10,279,289
Starw ood Opportunity XI	48,619,807	-754,031	754,033		2,084,785	50,704,594

Source: Northern Trust

* Net Contributions include Cash Contributions/Distributions, Security Deliveries/Receipts, Fees/Fee Rebates, Inter Account transfers for Consolidations & Benefits Payments.



TRSOK – Financial Reconciliation Report – Three Months

	09/30/2023					12/31/2023
Account/Group	Market Value	Net Contribution*	Income	Fees	Appreciation	Market Value
Starw ood XII	34,162,422	45,000,000			-3,566,851	75,595,571
TPG Real Estate IV	3,529,124	1,872,346			-770,796	4,630,674
Private Debt	108,860,000	82,006,165			7,161,117	198,027,282
Private Credit Fund O, LLC	46,360,000	31,831,165			1,764,846	79,956,011
Scissor-Tail Credit Fund, LLC	62,500,000	50,175,000			5,396,271	118,071,271
Total Cash	49,064,740	249,244,338	6,176,524	3,917	285,969	304,771,571
Custom Cash Flow	49,064,740	249,244,338	6,176,524	3,917	285,969	304,771,571
Terminated / Misc. Managers	12,276,664	13,480	503,271	9,017	834,024	13,627,439
OTRS-TAX RECLAIM & MISC.	12,276,664	13,480	503,271	9,017	834,024	13,627,439



TRSOK – Financial Reconciliation Report – Fiscal YTD

Account/Group Marker Value Net Contribution* Incorre Fees Approcession* Marker Value Onlikinomia Toracheris 20/7184496.40 1-158.005.277 27.11.09.738 11.946.23.048 21.748.187.132 Total Equity 1.22.02.242.232 4-46.000.000 112.747.250 4.52.07.58 5.91.841.548 6.761.242.200 Tanalition Account 916.022.720 4-916.008.413 3.372.158 3.880 4-5.82.206 1.124.120.50 Tanaliton Account 6.703 5.172.181 1.860.345 72.947.685 9964.507.422 Damestic Equity Active Mid -		06/30/2023			_		12/31/2023
Total Equity 12,202,324,325 -446,000,000 112,747,250 4,523,758 762,254,987 12,631,926,561 Total Domestic Equity 9,965,246,780 -1,833,008,413 76,252,286 3,146,718 6382,206 1,821,026 Global Transition Account 916,292,514 -916,098,413 3,371,985 3,880 -5,382,206 1,514,070 Domestic Equity Active Mid 6,733 193 -4 6,893 Domestic Equity Active Mid 5,172,181 1,860,345 72,947,685 946,507,428 Domestic Equity Active Mid - - - - - Valington Mid Cap -1,649 - - - - Valington Mid Cap -1,649 1,120,410 826,020 5,784,049 51,228,862 Geneva Capial 455,794,700 1,120,410 826,020 52,858,863 645,177,014 1,860,245 542,476,659 7,815,713,719 Nauroor Cap Smal Cap -45,794,700 1,120,410 826,020 37,97,97,464 5,409,576,508 Ni Rassell 3000 -937,000,000	Account/Group	Market Value	Net Contribution*		Fees	Appreciation	Market Value
Total Domestic Equity 9,966,246,780 -1,853,038,413 76,252,286 3,146,718 591,841,548 8,781,242,200 Transition Account 919,622,574 -916,096,413 3,371,095 3,880 -5,382,206 1,521,631 Dibal Transition Account 6,783 193 -4 6,883 Domestic Equity Active Mid 866,387,563 5,172,181 1,860,345 72,947,685 964,507,429 Domestic Equity Active Mid 866,387,563 5,172,181 1,860,345 72,947,685 964,507,429 Domestic Equity Active Mid 866,387,563 5,172,181 1,860,345 72,947,685 964,507,429 Domestic Equity Active Mid 866,387,563 5,172,181 1,860,345 72,947,685 964,507,429 Domestic Equity Active Small Gap 45,052,020 1,526,363 45,2178,747 Neurain Cap 5 5 712,141 1,860,345 72,947,665 76,812,213,717 Neurain Cap 5 5 41,248,680 209,542 377,874,046 5,402,776,569 Domestic Equity Indexed 8,160,229,703 <td></td> <td></td> <td></td> <td>· · ·</td> <td></td> <td></td> <td></td>				· · ·			
Transition Account 919,629,514 -916,068,413 3,372,158 3,860 -6,382,206 1,521,063 Global Transition 919,622,720 -916,068,413 3,377,956 3.890 -6,382,202 1.514,070 Transition Account 6,733 193 -4 6,983 Domestic Equity Active Mid - - - - Patchick & Wiky Md Cap - - - - Vellington Md Cap - - - - - Domestic Equity Active Mid -			· · · ·	· · ·			
Global Transition 919.822.720 4916.898,413 3.371,965 3.880 +5,882.202 1,514,070 Transition Account 6.793 133 -4 6.893 Domestic Equity Active 386,387,563 5,172,161 1,860,345 72,947,685 964,507,428 Domestic Equity Active Small 886,387,563 5,172,161 1,660,345 72,947,685 964,507,428 Domestic Equity Active Small 886,387,563 5,172,161 1,660,345 72,947,685 964,507,428 Fronter Cap Small Cap 450,592,883 4,061,770 1,032,325 57,684,049 512,232,682 Geneva Capital 435,794,700 1,122,410 820,020 152,63,636 452,176,747 Numarier Proma Small Cap				· · ·			
Transition Account 6,733 193 -4 6,883 Domestic Equity Active 886,387,663 5,172,181 1,860,345 72,947,855 964,507,429 Domestic Equity Active Mid - <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
Domestic Equity Active 886,387,563 5,172,181 1,860,345 72,947,885 964,507,425 Domestic Equity Active Mid -		919,622,720	-916,098,413	3,371,965	3,880	-5,382,202	1,514,070
Domestic Equity Active Mild	Transition Account	6,793		193		-4	6,983
Hotchkis & Wiley Md Cap -4.649 Weilington Md Cap -4.649 Domestic Equity Active Small 886,387,663 5,172,181 1,860,345 72,947,685 964,507,426 Forniter Caps Profile Cap 450,592,863 4,061,770 1,022,225 57,784,049 51,238,268 Geneva Capital 435,794,700 1,120,410 828,020 15,263,536 452,178,747 Neurreier Porra Small Cap	Domestic Equity Active	886,387,563		5,172,181	1,860,345	72,947,685	964,507,429
Wellington Md Cap 4,649 Domestic Equity Active Small 886,887,563 5,172,181 1,860,345 72,947,685 964,507,429 Frontier Cap Small Cap 450,592,863 4,051,770 1,032,325 57,684,049 512,328,682 Geneva Capital 435,794,700 1,120,410 828,020 15,263,636 452,178,747 Neumeier Poma Small Cap	Domestic Equity Active Mid	-					-
Domestic Equity Active Small 886,387,563 5,172,181 1,860,345 72,947,685 964,507,429 Frontier Cap, Small Cap 450,592,863 4,051,770 1,032,325 57,684,049 512,328,682 Geneva Capital 435,794,700 1,120,410 828,020 15,263,635 452,178,747 Neumeier Pora Small Cap	Hotchkis & Wiley Mid Cap						-
Frontier Cap Small Cap 450,592,863 4,051,770 1,032,325 57,684,049 512,328,682 Geneva Capital 436,794,700 1,120,410 828,020 15,263,636 452,178,747 Neumeir Poma Small Cap - <td< td=""><td>Wellington Mid Cap</td><td></td><td>-4,649</td><td></td><td></td><td></td><td></td></td<>	Wellington Mid Cap		-4,649				
Geneva Capital 435.794,700 1,120,410 828,020 15,263,636 452,178,747 Neumeier Poma Small Cap Shapiro Cap Small Cap Shapiro Cap Small Cap Small Cap Shapiro Cap Small Cap Smapl Cap Small Cap Smap	Domestic Equity Active Small	886,387,563		5,172,181	1,860,345	72,947,685	964,507,429
Neurneier Poma Small Cap Shapiro Cap Small Cap	Frontier Cap Small Cap	450,592,863		4,051,770	1,032,325	57,684,049	512,328,682
Shapiro Cap Small Cap Wasatch Adv Small Cap Domestic Equity Indexed 8,160,229,703 -937,000,000 67,707,947 1,282,493 524,276,069 7,815,213,719 Domestic Equity Index Cap Wgt 4,990,352,855 41,249,680 209,542 377,974,046 5,409,576,580 NT Russell 1000 - </td <td>Geneva Capital</td> <td>435,794,700</td> <td></td> <td>1,120,410</td> <td>828,020</td> <td>15,263,636</td> <td>452,178,747</td>	Geneva Capital	435,794,700		1,120,410	828,020	15,263,636	452,178,747
Wasatch Adv Small Cap Domestic Equity Indexed 8,160,229,703 -937,000,000 67,707,947 1,282,493 524,276,069 7,815,213,719 Domestic Equity Index Cap Wgt 4,990,352,855 41,249,680 209,542 377,974,046 5,409,576,580 NT Russell 1000 - - - - - - Domestic Equity Indexed NonCap 4,990,352,855 41,249,680 209,542 377,974,046 5,409,576,580 NT Russell Mdcap - - - - - - Domestic Equity Indexed NonCap 3,169,876,848 -937,000,000 26,458,267 1,072,951 146,302,023 2,405,637,138 Sci Betu US HFE MEMS 3,169,876,848 -937,000,000 26,458,267 1,072,951 146,302,023 2,405,637,138 Total International Equity 2,236,677,545 1,407,098,413 36,494,964 1,377,041 170,413,439 3,850,684,360 ACWI ex-US ex-China 1,900,681,320 897,620,962 28,308,624 190,849 149,268,179 2,975,879,085 3,986 Cause w	Neumeier Poma Small Cap						
Domestic Equity Indexed 8,160,229,703 -937,000,000 67,707,947 1,282,493 524,276,069 7,815,213,719 Domestic Equity Index Cap Wgt 4,990,352,855 41,249,680 209,542 377,974,046 5,409,576,580 NT Russell 1000	Shapiro Cap Small Cap						-
Domestic Equity Index Cap Wgt 4,990,352,855 41,249,680 209,542 377,974,046 5,409,576,580 NT Russell 1000 -	Wasatch Adv Small Cap						
NT Russell 1000 - NT Russell 3000 4,990,352,855 41,249,680 209,542 377,974,046 5,409,576,580 NT Russell Midcap -	Domestic Equity Indexed	8,160,229,703	-937,000,000	67,707,947	1,282,493	524,276,069	7,815,213,719
NT Russell 3000 4,990,352,855 41,249,680 209,542 377,974,046 5,409,576,580 NT Russell Midcap -	Domestic Equity Index Cap Wgt	4,990,352,855		41,249,680	209,542	377,974,046	5,409,576,580
NT Russell Mdcap - - Domestic Equity Indexed NonCap 3,169,876,848 -937,000,000 26,458,267 1,072,951 146,302,023 2,405,637,138 Sci Beta US HFE MBMS 3,169,876,848 -937,000,000 26,458,267 1,072,951 146,302,023 2,405,637,138 Total International Equity 2,236,677,545 1,407,098,413 36,494,964 1,377,041 170,413,439 3,850,684,360 International Large Cap 2,236,677,545 1,407,098,413 36,6494,964 1,377,041 170,413,439 3,850,684,360 ACWI ex-US ex-China 1,900,681,320 897,620,962 28,308,624 190,849 149,268,179 2,975,879,085 Allianz Intl 3,986 33,599,3159 3,846,611 737,059 16,206,983 356,046,752 Harding Loevner Int Eq 509,477,450 4,339,729 449,133 4,938,277 518,755,457 TOK121 SANCTIONED ASSET 3,066 3,066 3,066 3,066 3,066 Wellington InttGr Eq 4,301,625 4,435,820 4,435,820 4,435,820 Wea	NT Russell 1000	-					
Domestic Equity Indexed NonCap3,169,876,848-937,000,00026,458,2671,072,951146,302,0232,405,637,138Sci Beta US HFE MBMS3,169,876,848-937,000,00026,458,2671,072,951146,302,0232,405,637,138Total International Equity2,236,677,5451,407,098,41336,494,9641,377,041170,413,4393,850,684,360International Large Cap2,236,677,5451,407,098,41336,494,9641,377,041170,413,4393,850,684,360ACWI ex-US ex-China1,900,681,320897,620,96228,308,624190,849149,268,1792,975,879,085Allianz Inti3,9863,986Causew ay Capital335,993,1593,846,611737,05916,206,983356,046,752Harding Loevner Intl Eq509,477,4504,339,729449,1334,938,277518,755,457TOK121 SANCTIONED ASSET3,0663,066Wellington IntlGr Eq4,301,625-4,435,820International Small CapSSGA Emerging Market Small CapWasatch Intl1,440,5081,440,5081,463,622	NT Russell 3000	4,990,352,855		41,249,680	209,542	377,974,046	5,409,576,580
Sci Beta US HFE MBMS 3,169,876,848 -937,000,000 26,458,267 1,072,951 146,302,023 2,405,637,138 Total International Equity 2,236,677,545 1,407,098,413 36,494,964 1,377,041 170,413,439 3,850,684,360 International Large Cap 2,236,677,545 1,407,098,413 36,494,964 1,377,041 170,413,439 3,850,684,360 ACWI ex-US ex-China 1,900,681,320 897,620,962 28,308,624 190,849 149,268,179 2,975,879,085 Allianz Intl 3,986 3,846,611 737,059 16,206,983 356,046,752 Harding Loevner Intl Eq 509,477,450 4,339,729 449,133 4,938,277 518,755,457 TOK121 SA NCTIONED ASSET 3,066 3,066 Wellington IntlGr Eq 4,301,625 4,435,820 International Small Cap • • • • Wasatch Intl 1,440,508 1,440,508 1,463,622	NT Russell Midcap	-					-
Total International Equity2,236,677,5451,407,098,41336,494,9641,377,041170,413,4393,850,684,360International Large Cap2,236,677,5451,407,098,41336,494,9641,377,041170,413,4393,850,684,360ACWI ex-US ex-China1,900,681,320897,620,96228,308,624190,849149,268,1792,975,879,085Allianz Intl3,986335,993,1593,846,611737,05916,206,983356,046,752Causew ay Capital335,993,1593,846,611737,05916,206,983356,046,752Harding Loevner Intl Eq509,477,4504,339,729449,1334,938,277518,755,457TOK121 SANCTIONED ASSET3,0663,0663,0663,066Wellington IntlGr Eq4,301,6254,301,6254,435,820International Small CapWasatch Intl1,440,5081,440,5081,463,622	Domestic Equity Indexed NonCap	3,169,876,848	-937,000,000	26,458,267	1,072,951	146,302,023	2,405,637,138
International Large Cap2,236,677,5451,407,098,41336,494,9641,377,041170,413,4393,850,684,360ACWI ex-US ex-China1,900,681,320897,620,96228,308,624190,849149,268,1792,975,879,085Allianz Intl3,986335,993,1593,846,611737,05916,206,983356,046,752Causew ay Capital335,993,1593,846,611737,05916,206,983356,046,752Harding Loevner Intl Eq509,477,4504,339,729449,1334,938,277518,755,457TOK121 SANCTIONED ASSET3,0663,0663,066Wellington IntlGr Eq4,301,6254,435,820International Small CapSSGA Emerging Market Small Cap1,440,5081,440,5081,463,622	Sci Beta US HFE MBMS	3,169,876,848	-937,000,000	26,458,267	1,072,951	146,302,023	2,405,637,138
ACWI ex-US ex-China 1,900,681,320 897,620,962 28,308,624 190,849 149,268,179 2,975,879,085 Allianz Intl 3,986	Total International Equity	2,236,677,545	1,407,098,413	36,494,964	1,377,041	170,413,439	3,850,684,360
Allianz Intl 3,986 3,986 Causew ay Capital 335,993,159 3,846,611 737,059 16,206,983 356,046,752 Harding Loevner Intl Eq 509,477,450 4,339,729 449,133 4,938,277 518,755,457 TOK121 SANCTIONED ASSET 3,066 3,066 Wellington IntlGr Eq 4,301,625 4,435,820 International Small Cap - - SSGA Emerging Market Small Cap 1,440,508 1,463,622	International Large Cap	2,236,677,545	1,407,098,413	36,494,964	1,377,041	170,413,439	3,850,684,360
Causew ay Capital 335,993,159 3,846,611 737,059 16,206,983 356,046,752 Harding Loevner Intl Eq 509,477,450 4,339,729 449,133 4,938,277 518,755,457 TOK121 SANCTIONED ASSET 3,066 - - - 3,066 Wellington IntlGr Eq 4,301,625 - - 4,435,820 International Small Cap - - - SSGA Emerging Market Small Cap 1,440,508 1,463,622 1,463,622	ACWI ex-US ex-China	1,900,681,320	897,620,962	28,308,624	190,849	149,268,179	2,975,879,085
Harding Loevner Intl Eq 509,477,450 4,39,729 449,133 4,938,277 518,755,457 TOK121 SANCTIONED ASSET 3,066 3,066 <	Allianz Intl	3,986					3,986
TOK121 SANCTIONED ASSET3,0663,066Wellington IntIGr Eq4,301,6254,435,820International Small CapSSGA Emerging Market Small Cap1,440,5081,463,622	Causew ay Capital	335,993,159		3,846,611	737,059	16,206,983	356,046,752
Wellington IntlGr Eq4,301,625International Small Cap-SSGA Emerging Market Small Cap-Wasatch Intl1,440,5081,440,5081,463,622	Harding Loevner Intl Eq		509,477,450	4,339,729	449,133	4,938,277	518,755,457
International Small Cap - SSGA Emerging Market Small Cap - Wasatch Intl 1,440,508	TOK121 SANCTIONED ASSET	3,066					3,066
SSGA Emerging Market Small Cap Wasatch Intl 1,440,508	Wellington IntlGr Eq	4,301,625					4,435,820
Wasatch Intl 1,440,508	International Small Cap						-
	SSGA Emerging Market Small Cap						
Wellington Intl 1,857,173 -2,342 1,880,283	Wasatch Intl	1,440,508					1,463,622
	Wellington Intl	1,857,173	-2,342				1,880,283

Source: Northern Trust

* Net Contributions include Cash Contributions/Distributions, Security Deliveries/Receipts, Fees/Fee Rebates, Inter Account transfers for Consolidations & Benefits Payments.



TRSOK – Financial Reconciliation Report – Fiscal YTD

Total Rixed Income 4,911,721,000 -640,333 119,450,755 4,507,427 106,133,061 5,136,664 Core Rixe Rixed Income 4,917,721,000 -640,333 119,450,755 4,507,427 106,133,061 5,136,664 Core Rixe Rixed Income 4,197,697,244 -640,333 108,998,411 4,149,770 123,935,38 4,429,633 Loortis Sayles Core Rus 1,471,433,660 33,964,627 1,081,647 29,798,231 1,439,613 Loort Rixe Rixe Core Rus 1,471,433,660 -640,333 40,000,414 1,466,116 40,795,238 1,421,613 Active Duration Fixed Income 714,094,605 10,452,284 322,657 -17,803,278 706,733 Hois spicot invastment 71,409,465 10,452,284 322,657 -17,803,278 706,733 Intol Afteronative Assets 3,318,205,398 286,522,615 28,459,497 2,844,073 47,009,262 3,681,969 Private Capital 1,712,588,882 -3,528,880 61,935,519 1,582,412 1,582,412 1,582,412 1,582,412 1,582,412 1,582,428 1,582,	Account/Group	06/30/2023 Market Value	Net Contribution*	la a curra	Fees	Appropriation	12/31/2023 Market Value
Core Fixed Income 4,911,721,300 -640,333 119,450,765 4,507,427 106,133,061 5,138,644 Core Fixed Income 4,425,043,593 106,938,413 4,164,770 123,396,338 4,423,931 Looris Sxyles Care Plus 1,425,043,593 30,025,439 1,627,007 53,344,810 1,508,413 Looris Sxyles Care Plus 1,311,433,50 39,894,627 1,101,164 40,705,238 1,449,103 Active Duration Fixed Income 714,084,055 10,452,244 322,657 -17,803,278 706,733 Total Abert Core Plus 3,114,500,596 269,522,615 26,459,497 2,844,073 47,009,642 3,661,196 Hoington Investment 714,084,055 -10,452,244 322,657 -17,803,278 706,733 Total Abert Coptal 1,712,588,882 -3,526,880 -161,905,191 1,582,444 Frivate Equity 1,510,422,464 -3,526,880 -59,178,102 228,243 Frivate Equity 1,510,422,464 -3,526,880 -59,178,102 284,242 Frivate Equity 1,510,542,546 -3,526,880				Income		Appreciation	5,136,664,792
Core Plus Fixed Income 4,197,637,244 -640,333 106,998,461 4,147,70 123,336,338 4,429,331 Loonis Styles Core Plus 1,425,043,599 30,025,439 1,627,007 53,344,810 1,506,413 Loonis Styles Core Plus 1,421,450,085 -640,333 40,008,414 1,485,107 29,796,221 1,483,000 Mackay Shidds Core Plus 1,401,450,085 -640,333 40,008,414 1,486,118 40,795,238 1,481,613 Active Duration Fixed Income 714,084,055 10,452,284 322,657 -17,803,278 706,733 Total Alternative Assets 3,318,203,398 299,522,615 2,645,497 2,244,073 47,009,222 3,681,198 Private Equity 1,510,542,546 -3,526,880 10,457,613 1,552,143 Fandin Park 1,604,216,12 -2,244,205 0,0181,631 1,552,143 Leggevy LP 6,331,834 -682,674 2,826,595 7,291 Pinco Darvo II 7,026,253 -22,695 7,791 Pinco Darvo II 7,026,253 2,844,073 -90,525,494							5,136,664,792
Loomis Saylas Core Plus 1.425.043.599 30.025.433 1.627.007 53.344.810 1.508.413 Lord Abbett Core Plus 1.371.143.560 33.894.627 1.091.647 23.786.291 1.439.904 Mackay Shields Core Plus 1.401.450.085 -640.333 40.006.414 1.466.116 40.795.236 1.439.904 Mackay Shields Core Plus 1.401.450.085 -640.333 40.006.414 1.466.116 40.795.236 1.491.633.276 776.733 Active Duration Exced Income 714.064.055 10.452.284 322.657 -177.803.276 706.733 Total Alternative Assets 3.3162.05386 269.522.615 26.459.497 2.844.73 47.009.262 3.661.196 Private Equity 1.510.542.546 -3.526,880 61.198.519 1.568.214 Finate Equity 1.510.542.546 -3.526,880 61.198.519 1.568.242 Equegory LP 63.313.934 -882.674 3.822.903 50.917.812 228.505 7.291 Price Bravo 7 7.897.333 -682.673 -2.24.616.22 177.297 706.633					· · ·		4,429,931,730
Lord Abbert Gore Plus 1,371,143,560 38,964,827 1,091,647 29,796,291 1,439,904 Mackay Shidds Core Plus 1,401,450,085 -640,333 40,008,414 1466,116 40,795,238 1,481,613 Active Duration Fixed Income 714,084,055 10,452,284 322,657 -17,803,278 706,733 Total Alternative Assots 3,318,205,396 269,522,615 26,459,497 2,844,073 47,009,262 3,661,196 Private Capital 1,712,288,882 -3,528,800 61,198,6519 1,568,214 Franklin Park 1,504,210,612 -2,244,206 60,016,010 1,562,182 Lengav LP 63,31,834 -682,674 382,209 6,031 Special Opportunities 20,046,335 228,555 7,291 Pimos Bravo II 7,082,535 228,595 7,291 Pimos Dravo II 1,605,161,514 82,183,330 26,459,497 2,844,073 80,532,493 81,633,793 Core Roal Estate 1,605,615,514 82,183,330 26,459,497 2,844,073 80,552,803 81,634,41 72,9							1,508,413,849
Mackay Shields Core Plus 1,401,450,085 -640,333 40,008,414 1,466,116 40,785,238 1,481,613 Active Duration Fixed Income 714,084,055 10,452,284 322,657 -17,803,278 706,733 Hoisington Investment 714,084,055 264,949,977 2,844,073 47,009,262 3,661,198 Private Capital 1,712,588,882 -3,526,880 120,376,639 1,829,438 Private Equity 1,510,542,546 -3,326,880 61,198,619 1,562,118 Legacy LP 6,331,934 -682,674 -382,209 6,031 Special Opportunities 220,046,336 228,450 -59,178,120 228,509 7,291 Pimos Bravo	-						1,439,904,478
Active Duration Fixed Income 714,084,055 10,452,284 322,657 -17,803,278 706,733 Holsington Investment 714,084,055 10,452,284 322,657 -17,803,278 706,733 Total Alternative Assets 3,318,205,396 289,522,615 28,499,497 2,844,073 47,009,262 3,661,198 Private Equity 1,510,542,546 -3,526,880 61,198,519 1,568,214 Franklin Park 1,500,4210,612 -2,844,206 60,816,310 1,562,148 Legacy LP 6,331,934 -682,674 382,209 6,031 1,562,128 Special Opportunities 200,4636 59,178,120 228,595 7,291 Pinco Bravo II 7,062,535 2,285,953 2,285,95 7,287 Pinco Dravo II 152,461,312 20,416,622 172,877 706,733 Total Real Estate 1,605,616,514 62,183,330 26,459,497 2,844,073 -80,528,494 1,633,730 Core Real Estate 1,605,616,514 62,183,330 26,459,497 2,844,073 -80,528,494 1,637,374			-640.333				1,481,613,403
Hoisington Investment T14.084,055 10,452.284 322,857 -17,803,278 706,733 Total Alternative Assets 3,318,205,996 269,522,615 26,459,497 2,844,073 47,009,262 3,661,196 Private Capital 1,712,588,882 -3,626,880 120,376,633 1,829,438 Private Equity 1,510,424,546 -3,526,880 60,816,310 1,562,142 Legacy LP 6,331,934 -682,674 382,209 6,031 Special Opportunities 202,046,336 228,4205 59,178,120 261,224 Pinco Bravo II 7,062,535 228,595 7,291 Pinco Dravo II 7,062,535 2,244,073 -80,528,494 1,633,730 Core Provo II 1252,461,312 20,416,622 172,877 Pinco OFII 426,75,723 -6,49,9497 2,844,073 -80,528,494 1,633,730 Core Property Trust 420,731,444 -7,106,093 7,106,093 -228,176,267 394,555 Horn A marricine Real Estate 180,656 15,899,542 2,180,508 -52,295,07 <t< td=""><td></td><td></td><td></td><td></td><td></td><td>· · ·</td><td>706,733,062</td></t<>						· · ·	706,733,062
Total Alternative Assets 3,318,205,386 269,522,615 26,459,497 2,844,073 47,009,262 3,661,196 Private Capital 1,712,588,882 -3,526,880 61,198,519 1,582,448 Private Equity 1,510,542,546 -3,526,880 60,1198,519 1,582,142 Legacy LP 6,331,934 -682,674 0.0816,310 1,562,142 Legacy LP 6,331,934 -682,674 382,209 6,031 Special Opportunities 202,046,336 225,555 7,291 Pinco Bravo 7.062,535 224,820 38,632,003 810,655 Pinco Dravo II 7.062,532 2,843,933 26,459,497 2,844,073 -80,524,644 1,632,767 Pinco OCF II 42,522,489 33,02,645,9457 2,844,073 -80,524,644 1,654,743 7,96,793 7,166,033 -1,166,142 33,733 AEW Core Property Trust 42,67,523 -5,489,665 15,699,457 2,846,77 39,4555 1,83,733 AEW Core Property Trust 424,567,523 -5,489,665 15,699,542 2,180,508 <td></td> <td></td> <td></td> <td></td> <td>· · · · · · · · · · · · · · · · · · ·</td> <td></td> <td>706,733,062</td>					· · · · · · · · · · · · · · · · · · ·		706,733,062
Private Capital 1,712,668,882 -3,626,880 120,376,639 1,823,438 Private Equity 1,510,642,546 -3,526,880 61,198,519 1,568,214 Frankin Park 1,504,210,612 -2,844,206 60,816,310 1,562,162 Legacy LP 6,331,934 -682,674 382,209 60,311 Special Opportunities 202,046,336 228,595 7,291 Pinco Bravo 10,7062,535 228,595 7,291 Pinco Bravo II 7,062,535 228,595 7,291 Pinco Dravo III 42,822,489 38,530,903 81,085,2903 Total Real Estate 1,056,165,14 82,183,330 26,459,497 2,844,073 80,528,494 1,683,730 Core Real Estate 1,805,616,514 82,183,330 2,6459,497 2,846,073 80,528,494 1,613,730 Core Roperty Trust 420,731,444 -7,106,093 7,106,093 2,180,508 -59,116,474 796,417 AEW Core Property Trust 424,567,523 -5,499,665 2,180,508 -59,176,287 394,555		· · ·	269.522.615		· · · · · · · · · · · · · · · · · · ·		3,661,196,769
Private Equity 1,50,542,546 -8,526,880 61,198,519 1,568,214 Frankin Park 1,504,210,612 -2,844,206 60,816,310 1,562,182 Legacy LP 6,331,934 -682,674 382,209 6,031 Special Opportunities 202,046,336 59,178,120 261,224 Pinco Bravo 1 7,062,535 228,595 7,291 Pinco Bravo II 7,062,535 228,595 7,291 Pinco CoF II 42,522,489 38,532,903 88,532,903 Core Real Estate 1405,616,514 82,183,330 26,459,497 2,844,073 -80,528,494 1,683,730 Core Real Estate 1409,616,614 82,183,330 22,805,635 2,180,508 -59,116,474 796,417 AEW Core Property Trust 420,731,444 -7,106,093 7,106,093 -26,176,267 394,555 Heiman America Real Estate 140,3764 144,93,366 3,653,662 -21,142,020 683,763 141,28 21 ADN-Core Real Estate 9,307,849 10,000,000 532,068 19,839 </td <td></td> <td>· · · ·</td> <td></td> <td>,,</td> <td>_,</td> <td></td> <td>1,829,438,641</td>		· · · ·		,,	_,		1,829,438,641
Franklin Park 1,504,210,612 -2,844,206 60,816,310 1,562,182 Legacy LP 6,331,934 -682,674 382,209 6,031 Special Opportunities 202,046,336 59,178,120 261,224 Prico Bravo 7,082,535 228,595 7,291 Prico Dravo II 7,082,535 228,595 7,291 Prico COF II 42,522,489 38,532,903 81,055 Total Real Estate 1,605,616,514 82,183,330 26,459,497 2,844,073 -90,528,494 1,633,730 Core Real Estate 485,488,623 -12,760,006 22,805,635 2,180,508 -59,116,474 796,417 AEW Core Property Trust 424,567,523 -15,490,655 15,699,542 2,180,508 -52,926,079 401,845 L&B Core Income 189,656 15,699,654 2,180,508 -22,141,2020 837,313 AGXI Non-Core Real Estate 700,127,881 94,943,336 3,653,862 663,565 -21,412,020 837,313 Anerican Strategic Value 127,400,424 97,927 663,565	· · ·		· · ·				1,568,214,185
Legacy LP 6,331,934 -682,674 382,209 6,031 Special Opportunities 202,046,336 59,178,120 281,224 Pmco Bravo 228,595 7,291 PMCO Bravo III 7,062,535 228,595 7,291 PMCO Bravo III 152,461,312 20,416,622 172,877 Pmco COF II 42,522,489 38,532,903 81,055 Total Real Estate 160,5616,514 82,183,330 26,459,497 2,844,073 -60,528,494 1,633,730 Core Real Estate 845,488,623 -12,760,006 22,805,635 2,180,508 -59,116,474 796,417 AEW Core Property Trust 420,731,444 -7,106,093 7,106,093 -26,176,267 394,555 Helman America Real Estate 424,567,523 -5,498,665 15,699,542 2,180,508 -32,296,079 401,841 L&B Core Incorre 189,656 -164,248 -14,128 21 Non-Core Real Estate 9,307,849 10,000.00 532,056 19,893 Arenrican Strategic Value 127,400,424 979		· · · ·	· · · ·				1,562,182,716
Special Opportunities 202,046,336 59,178,120 261,224 Pinco Bravo 228,595 7.291 Pinco Bravo III 152,461,312 20,416,622 172,877 Pinco Dravo III 42,522,489 38,32,903 81,055 Total Real Estate 1,605,616,514 82,183,330 26,459,497 2,844,073 -80,528,494 1,633,730 Core Real Estate 440,731,444 -7,106,093 7,106,093 -26,176,267 394,555 Heiman America Real Estate 424,557,523 -5,499,665 15,699,542 2,180,508 -32,926,079 401,841 L&B Core Real Estate 760,127,991 94,943,336 3,653,862 663,565 -21,412,020 837,313 AGXI Non-Core Real Estate 9,307,849 10,000,000 532,058 19,839 American Strategic Value 127,400,424 979,927 663,565 -6,073,748 122,306 Angelo Gordon VAL FD X 43,968,359 -1,162,662 42,805 42,805 42,805 Anteris Real Estate III 29,91,690 3,141,610 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>6,031,469</td></td<>							6,031,469
Hinco Bravo 228,595 7,291 Pinco Bravo III 152,461,312 20,416,622 172,877 Pinco COF II 42,522,499 38,532,903 81,055 Total Real Estate 1,605,616,514 82,183,330 26,459,497 2,844,073 -80,528,494 1,633,730 Core Real Estate 345,322,409 38,532,903 81,055							261,224,456
Fince Brave II 7,062,535 228,595 7,291 PIMCO Brave III 152,461,312 20,416,622 172,877 Price OCF II 42,522,489 38,532,903 81,655 Total Real Estate 1,605,616,514 82,183,330 26,459,497 2,844,073 -60,528,494 1,633,730 Core Real Estate 845,488,623 -12,760,006 22,805,635 2,180,508 -59,116,474 796,417 AEW Core Property Trust 420,731,444 -7,106,093 7,106,093 -26,176,267 394,555 Heiman America Real Estate 424,567,523 -5,499,665 158,248 -141,28 21 Non-Core Real Estate 760,127,891 94,943,336 3,653,862 663,565 -21,412,020 837,313 AGXI Non-Core Real Estate 9,307,849 10,000,000 532,058 19,839 Arrerican Strategic Value 127,400,424 979,927 663,565 -60,73,748 122,306 Angelo Gordon VAL FD X 43,988,359 -1,162,662 428,055 -1,162,662 428,055 Artemis Real Estate IV		,,					,
PIMCO Bravo III 152,461,312 20,416,622 172,877 Pimco COF II 42,522,489 38,532,903 81,055 Total Real Estate 1,605,616,514 82,183,330 26,459,497 2,844,073 -80,528,494 1,633,730 Core Real Estate 845,488,623 -12,760,006 22,805,635 2,180,508 -59,116,474 796,417 AEW Core Property Trust 420,731,444 -7,106,093 7,106,093 -26,176,267 394,555 Heitman America Real Estate 424,667,523 -54,99,665 15,699,542 2,180,508 -32,926,079 401,841 L&B Core Income 189,656 -154,248 -14,128 21 Non-Core Real Estate 9,307,849 10,000,000 532,056 19,839 Aretrican Strategic Value 127,400,424 979,927 663,565 -6,073,748 122,306 Arternis Real Estate IV 3,173,964 2,568,139 15,272 -596,477 5,160 Arternis Real Estate IV 3,173,964 2,568,139 15,272 -596,477 5,160 Blackstone		7.062.535				228.595	7,291,130
Pimco COF II 42,522,489 38,532,903 81,055 Total Real Estate 1,605,616,514 82,183,330 26,459,497 2,844,073 -80,528,494 1,633,730 Core Real Estate 845,488,623 -12,760,006 22,805,635 2,180,508 -59,116,474 796,417 AEW Core Property Trust 420,731,444 -7,106,093 7,106,093 -26,176,267 394,555 Heitman America Real Estate 424,567,523 -54,99,665 15,699,542 2,180,508 -32,926,079 401,841 L&B Core Income 189,656 -154,248 -14,128 21 Non-Core Real Estate 9,307,849 10,000,000 532,058 19,833 Arenrican Strategic Value 127,400,424 979,927 663,565 -60,73,748 122,306 Arternis Real Estate III 29,191,690 3,141,610 -3,061 1,162,662 42,802 Arternis Real Estate III 29,191,690 3,141,610 -3,061 1,291,464 36,262 Arternis Real Estate IV 3,370,237 1,203,423 2 647,781 <t< td=""><td></td><td>· · ·</td><td></td><td></td><td></td><td></td><td>172,877,934</td></t<>		· · ·					172,877,934
Total Real Estate1,605,616,51482,183,33026,459,4972,844,073-80,528,4941,633,730Core Real Estate845,488,623-12,760,00622,805,6352,180,508-59,116,474796,417AEW Core Property Trust420,731,444-7,106,0937,106,093-26,176,267394,555Heitman America Real Estate424,567,523-5,499,66515,699,5422,180,508-32,926,079401,841L&B Core Income189,656-154,248-14,12821Non-Core Real Estate9,307,84994,943,3363,653,862663,565-21,412,020837,313AGXI Non-Core Real Estate9,307,84910,000,000532,05819,839American Strategic Value127,400,424979,927663,565-6,073,748122,306Angelo Gordon VAL FD X43,968,359-11,162,66242,805Arternis Real Estate III29,191,6903,141,610-3,0611,291,46433,621Arternis Real Estate IV3,173,9642,568,13915,272-596,4775,160Blackstone Real Estate III18,729,214-7,074,36311,654Dune Real Estate III18,729,214-7,074,36311,654Dune Real Estate IV47,512,6507,337,958-1,076,24840,910FCP Realty Fund V70,701,28817,972,381-3,225,61085,484		· ·				· · ·	81,055,392
Core Real Estate845,488,623-12,760,00622,805,6352,180,508-59,116,474796,417AEW Core Property Trust420,731,444-7,106,0937,106,093-26,176,267394,555Heitman America Real Estate424,567,523-5,499,66515,699,5422,180,508-32,926,079401,841L&B Core Income189,656-164,248-144,12821Non-Core Real Estate9,307,84994,943,3363,653,862663,565-21,412,020837,313AGXI Non-Core Real Estate9,307,84910,000,000532,05819,839American Strategic Value127,400,424979,927663,565-6,073,748122,306Angelo Gordon VAL FD X43,968,359-1,162,66242,805Arternis Real Estate III29,191,6903,141,610-3,0611,291,46433,621Arternis Real Estate IV3,173,9642,568,13915,272-596,4775,160Blackstone Real Estate IV18,729,214-7,074,36311,65440,910Dune Real Estate IV47,512,6507,337,958-1,076,24840,910FCP Realty Fund V70,701,28817,972,381-3,225,61085,484			82.183.330	26.459.497	2.844.073		1,633,730,847
AEW Core Property Trust420,731,444-7,106,0937,106,0937,106,093-26,176,267394,555Heitman America Real Estate424,567,523-5,499,66515,699,5422,180,508-32,926,079401,841L&B Core Income189,656-154,248-14,12821Non-Core Real Estate760,127,89194,943,3363,653,862663,565-21,412,020837,313AGXI Non-Core Real Estate9,307,84910,000,000532,05819,839American Strategic Value127,400,424979,927663,565-6,073,748122,306Angelo Gordon VAL FD X43,968,359-11,162,66242,805Arternis Real Estate III29,191,6903,141,610-3,0611,291,46433,621Arternis Real Estate IV3,173,9642,568,13915,272-596,4775,160Blackstone Real Estate III18,729,214-7,074,36311,654Dune Real Estate IV47,512,6507,337,958-19,92954,830FCP Realty Fund IV, L.P.41,986,698-10,076,24840,910FCP Realty Fund V70,701,28817,972,381-3,225,61085,448			· · ·		· · ·		796,417,777
Heitman America Real Estate424,567,523-5,499,66515,699,5422,180,508-32,926,079401,841L&B Core Income189,656-154,248-14,12821Non-Core Real Estate760,127,89194,943,3363,653,862663,565-21,412,020837,313AGXI Non-Core Real Estate9,307,84910,000,000532,05819,839American Strategic Value127,400,424979,927663,565-6,073,748122,306Angelo Gordon VAL FD X43,968,359-11,62,66242,805Artemis Real Estate III29,191,6903,141,610-3,0611,291,46433,621Artemis Real Estate IV3,173,9642,568,13915,272-596,4775,160Blackstone Real Estate X3,370,2371,203,4232-647,7814,025Dune Real Estate III18,729,214-7,074,36311,654Dune Real Estate IV41,986,698-11,076,24840,910FCP Realty Fund IV, L.P.41,986,698-11,076,24840,910FCP Realty Fund V70,701,28817,972,381-3,225,61085,448							394,555,177
L&B Core Income189,656-154,248-14,12821Non-Core Real Estate760,127,89194,943,3363,653,862663,565-21,412,020837,313AGXI Non-Core Real Estate9,307,84910,000,000532,05819,839American Strategic Value127,400,424979,927663,565-6,073,748122,306Angelo Gordon VAL FD X43,968,359-1,162,66242,805Artemis Real Estate III29,191,6903,141,610-3,0611,291,46433,621Artemis Real Estate IV3,173,9642,568,13915,272-596,4775,160Blackstone Real Estate IV18,729,214-7,074,36311,654Dune Real Estate IV47,512,6507,337,958-1,076,24840,910FCP Realty Fund IV, L.P.41,986,698-1,076,24840,910FCP Realty Fund V70,701,28817,972,381-3,225,61085,448					2,180,508		401,841,321
Non-Core Real Estate760,127,89194,943,3363,653,862663,565-21,412,020837,313AGXI Non-Core Real Estate9,307,84910,000,000532,05819,839American Strategic Value127,400,424979,927663,565-6,073,748122,306Angelo Gordon VAL FD X43,968,359-1,162,66242,805Artemis Real Estate III29,191,6903,141,610-3,0611,291,46433,621Artemis Real Estate V3,173,9642,568,13915,272-596,4775,160Blackstone Real Estate X3,370,2371,203,4232-547,7814,025Dune Real Estate III18,729,214-7,074,36311,654Dune Real Estate IV41,986,698-1,076,24840,910FCP Realty Fund IV, L.P.41,986,698-1,972,381-3,225,61085,448	L&B Core Income	189,656	-154,248			-14,128	21,280
AGXI Non-Core Real Estate9,307,84910,000,000532,05819,839American Strategic Value127,400,424979,927663,565-6,073,748122,306Angelo Gordon VAL FD X43,968,359-1,162,66242,805Artemis Real Estate III29,191,6903,141,610-3,0611,291,46433,621Artemis Real Estate IV3,173,9642,568,13915,272-596,4775,160Blackstone Real Estate X3,370,2371,203,4232-547,7814,025Dune Real Estate III18,729,214-7,074,36311,654Dune Real Estate IV47,512,6507,337,958-19,92954,830FCP Realty Fund IV, L.P.41,986,698-1,076,24840,910FCP Realty Fund V70,701,28817,972,381-3,225,61085,448	Non-Core Real Estate	760,127,891	94,943,336	3,653,862	663,565		837,313,069
Angelo Gordon VAL FD X 43,968,359 -1,162,662 42,805 Artemis Real Estate III 29,191,690 3,141,610 -3,061 1,291,464 33,621 Artemis Real Estate IV 3,173,964 2,568,139 15,272 -596,477 5,160 Blackstone Real Estate X 3,370,237 1,203,423 2 -547,781 4,025 Dune Real Estate III 18,729,214 -7,074,363 11,654 Dune Real Estate IV 41,986,698 -1,076,248 40,910 FCP Realty Fund V 70,701,288 17,972,381 -3,225,610 85,448	AGXI Non-Core Real Estate	9,307,849	10,000,000				19,839,907
Artemis Real Estate III29,191,6903,141,610-3,0611,291,46433,621Artemis Real Estate IV3,173,9642,568,13915,272-596,4775,160Blackstone Real Estate X3,370,2371,203,4232-547,7814,025Dune Real Estate III18,729,214-7,074,36311,654Dune Real Estate IV47,512,6507,337,958-19,92954,830FCP Realty Fund IV, L.P.41,986,698-1,076,24840,910FCP Realty Fund V70,701,28817,972,381-3,225,61085,448	American Strategic Value	127,400,424		979,927	663,565	-6,073,748	122,306,603
Artemis Real Estate IV 3,173,964 2,568,139 15,272 -596,477 5,160 Blackstone Real Estate X 3,370,237 1,203,423 2 -547,781 4,025 Dune Real Estate III 18,729,214 -7,074,363 11,654 Dune Real Estate IV 47,512,650 7,337,958 -19,929 54,830 FCP Realty Fund IV, L.P. 41,986,698 -1,076,248 40,910 FCP Realty Fund V 70,701,288 17,972,381 -3,225,610 85,448	Angelo Gordon VAL FD X	43,968,359				-1,162,662	42,805,697
Blackstone Real Estate X 3,370,237 1,203,423 2 -547,781 4,025 Dune Real Estate III 18,729,214 -7,074,363 11,654 Dune Real Estate IV 47,512,650 7,337,958 -19,929 54,830 FCP Realty Fund IV, L.P. 41,986,698 -1,076,248 40,910 FCP Realty Fund V 70,701,288 17,972,381 -3,225,610 85,448	Artemis Real Estate III	29,191,690	3,141,610	-3,061		1,291,464	33,621,703
Dune Real Estate III 18,729,214 -7,074,363 11,654 Dune Real Estate IV 47,512,650 7,337,958 -19,929 54,830 FCP Realty Fund IV, L.P. 41,986,698 -1,076,248 40,910 FCP Realty Fund V 70,701,288 17,972,381 -3,225,610 85,448	Artemis Real Estate IV	3,173,964	2,568,139	15,272		-596,477	5,160,898
Dune Real Estate IV 47,512,650 7,337,958 -19,929 54,830 FCP Realty Fund IV, L.P. 41,986,698 -1,076,248 40,910 FCP Realty Fund V 70,701,288 17,972,381 -3,225,610 85,448	Blackstone Real Estate X	3,370,237	1,203,423	2		-547,781	4,025,881
FCP Realty Fund IV, L.P. 41,986,698 -1,076,248 40,910 FCP Realty Fund V 70,701,288 17,972,381 -3,225,610 85,448	Dune Real Estate III	18,729,214				-7,074,363	11,654,851
FCP Realty Fund V 70,701,288 17,972,381 -3,225,610 85,448	Dune Real Estate IV	47,512,650	7,337,958			-19,929	54,830,679
	FCP Realty Fund IV, L.P.	41,986,698				-1,076,248	40,910,450
	FCP Realty Fund V	70,701,288	17,972,381			-3,225,610	85,448,059
GreenOak US II 38,886 19,281	GreenOak US II	19,242,483				38,886	19,281,369

Source: Northern Trust

* Net Contributions include Cash Contributions/Distributions, Security Deliveries/Receipts, Fees/Fee Rebates, Inter Account transfers for Consolidations & Benefits Payments.



TRSOK – Financial Reconciliation Report – Fiscal YTD

	06/30/2023			_		12/31/2023
Account/Group	Market Value	Net Contribution*	Income	Fees	Appreciation	Market Value
GreenOak US III	41,921,261	1,449,816			1,076,666	44,447,743
Harbert European Real Estate V	36,381,890	992,189	952,247		335,431	38,661,758
Invesco Real Estate VI	45,203,532	8,147,656	64,600		-1,776,484	51,639,303
Invesco Strategic Opportunity	17,138,462				-727,326	16,411,136
L&B Golden Driller	36,028,062				-7,862	36,020,200
Landmark Real Estate IX	-					
Landmark Real Estate VII	5,210,870	-513,152	515,842		-613,065	4,600,496
Lyrical-OTRS Realty Partner IV	57,554,859	-3,100,000			556,349	55,011,208
Oaktree Real Estate IX	-					
Property ACQ Fund	9,800,000	-375,000	375,000		-375,000	9,425,000
Starw ood Opportunity X	10,989,486				-710,197	10,279,289
Starw ood Opportunity XI	47,595,369	-754,031	754,033		3,109,223	50,704,594
Starw ood XII	33,696,716	45,000,000			-3,101,145	75,595,571
TPG Real Estate IV	4,022,528	1,872,346			-1,264,200	4,630,674
Private Debt		190,866,165			7,161,117	198,027,282
Private Credit Fund O, LLC		78,191,165			1,764,846	79,956,011
Scissor-Tail Credit Fund, LLC		112,675,000			5,396,271	118,071,271
Total Cash	273,318,473	19,097,694	12,120,629	50,796	234,775	304,771,571
Custom Cash Flow	273,318,473	19,097,694	12,120,629	50,796	234,775	304,771,571
Terminated / Misc. Managers	12,280,147	14,497	331,595	14,297	1,001,199	13,627,439
OTRS-TAX RECLAIM & MISC.	12,280,147	14,497	331,595	14,297	1,001,199	13,627,439



TRSOK – Financial Reconciliation Report – One Year

Account/Group	12/31/2022 Market Value	Net Contribution*	Income	Fees	Appreciation	12/31/2023 Market Value
Oklahoma Teachers	19,558,299,567	-321,480,283	543,875,630	25,781,824	1,967,492,219	21,748,187,132
Total Equity	11,216,464,344	-744,505,563	232,921,446	10,748,959	1,927,046,335	12,631,926,561
Total Domestic Equity	8,076,748,397	-963,892,426	158,066,861	6,201,906	1,510,319,368	8,781,242,200
Transition Account	503,166	-26,589,153	7,154,988	8,474	20,452,052	1,521,053
Global Transition	496,534	-26,589,153	7,154,624	8,474	20,452,065	1,514,070
Transition Account	6,632		363		-13	6,983
Domestic Equity Active	786,876,759	-301,246	10,174,553	3,663,306	167,757,362	964,507,429
Domestic Equity Active Mid		-54,723		1,692	54,723	-
Hotchkis & Wiley Mid Cap						-
Wellington Mid Cap		-54,723		1,692	54,723	
Domestic Equity Active Small	786,876,759	-246,523	10,174,553	3,661,614	167,702,640	964,507,429
Frontier Cap Small Cap	406,753,454		8,080,308	2,027,267	97,494,920	512,328,682
Geneva Capital	380,123,306		2,094,212	1,629,839	69,961,229	452,178,747
Neumeier Poma Small Cap		-246,429	33	4,483	246,396	
Shapiro Cap Small Cap						-
Wasatch Adv Small Cap		-95		25	95	
Domestic Equity Indexed	7,289,368,472	-937,002,027	140,737,320	2,530,126	1,322,109,954	7,815,213,719
Domestic Equity Index Cap Wgt	4,296,386,055	-2,027	79,890,636	410,897	1,033,301,916	5,409,576,580
NT Russell 1000		-1,483		125	1,483	
NT Russell 3000	4,296,386,056		79,890,636	410,747	1,033,299,889	5,409,576,580
NT Russell Midcap	-	-544		25	544	-
Domestic Equity Indexed NonCap	2,992,982,417	-937,000,000	60,846,684	2,119,229	288,808,038	2,405,637,138
Sci Beta US HFE MBMS	2,992,982,417	-937,000,000	60,846,684	2,119,229	288,808,038	2,405,637,138
Total International Equity	3,139,715,946	219,386,864	74,854,585	4,547,053	416,726,966	3,850,684,360
International Large Cap	2,224,334,000	1,175,002,193	74,422,275	3,160,965	376,925,892	3,850,684,360
ACWI ex-US ex-China	1,112,497,748	1,571,193,934	54,468,934	300,876	237,718,469	2,975,879,085
Allianz Intl	26,086	-32,773	2,841	14	3,846	3,986
Causew ay Capital	560,352,748	-307,981,874	15,092,055	1,658,956	88,583,823	356,046,752
Harding Loevner Intl Eq	-	509,477,450	4,339,729	449,133	4,938,277	518,755,457
TOK121 SANCTIONED ASSET	3,066					3,066
Wellington IntlGr Eq	551,454,352	-597,654,544	518,715	751,987	45,681,477	4,435,820
International Small Cap	915,381,946	-955,615,329	432,310	1,386,088	39,801,074	-
SSGA Emerging Market Small Cap	335,172,253	-352,419,649		547,928	17,247,395	
Wasatch Intl	307,635,161	-322,016,830	38,913	574,293	14,342,756	1,463,622
Wellington Intl	272,574,531	-281,178,851	393,396	263,866	8,210,923	1,880,283



TRSOK – Financial Reconciliation Report – One Year

	12/31/2022					12/31/2023
Account/Group	Market Value	Net Contribution*	Income	Fees	Appreciation	Market Value
Total Fixed Income	4,754,566,427	-627,733	229,498,543	9,634,500	153,227,555	5,136,664,792
Core Fixed Income	4,754,566,427	-627,733	229,498,543	9,634,500	153,227,555	5,136,664,792
Core Plus Fixed Income	4,068,305,439	-627,733	208,800,733	8,989,068	153,453,292	4,429,931,730
Loomis Sayles Core Plus	1,393,115,299		56,841,556	3,224,338	58,456,994	1,508,413,849
Lord Abbett Core Plus	1,325,791,815		74,161,093	2,159,919	39,951,570	1,439,904,478
Mackay Shields Core Plus	1,349,398,324	-627,733	77,798,084	3,604,811	55,044,729	1,481,613,403
Active Duration Fixed Income	686,260,988		20,697,810	645,431	-225,737	706,733,062
Hoisington Investment	686,260,988		20,697,810	645,431	-225,737	706,733,062
Total Alternative Assets	3,490,393,527	223,723,709	60,836,046	5,117,495	-113,756,513	3,661,196,769
Private Capital	1,776,557,008	-79,443,708	3,241,311		129,084,030	1,829,438,641
Private Equity	1,558,352,449	-61,925,210			71,786,946	1,568,214,185
Franklin Park	1,550,975,542	-59,797,647			71,004,821	1,562,182,716
Legacy LP	7,376,907	-2,127,563			782,125	6,031,469
Special Opportunities	218,204,559	-17,518,498	3,241,311		57,297,084	261,224,456
Pimco Bravo	1				-1	
Pimco Bravo II	11,585,788	-3,241,311	3,241,311		-4,294,658	7,291,130
PIMCO Bravo III	169,990,210	-14,277,187			17,164,911	172,877,934
Pimco COF II	36,628,560				44,426,832	81,055,392
Total Real Estate	1,713,836,520	112,301,253	57,594,735	5,117,495	-250,001,660	1,633,730,847
Core Real Estate	924,986,648	-14,215,588	52,333,619	3,775,102	-166,686,901	796,417,777
AEW Core Property Trust	457,129,230	-7,106,093	17,786,001		-73,253,961	394,555,177
Heitman America Real Estate	460,667,895	-5,499,665	34,502,545	3,775,102	-87,829,455	401,841,321
L&B Core Income	7,189,522	-1,609,830	45,073		-5,603,485	21,280
Non-Core Real Estate	788,849,872	126,516,840	5,261,116	1,342,393	-83,314,759	837,313,069
AGXI Non-Core Real Estate	7,000,000	13,000,000			-160,093	19,839,907
American Strategic Value	132,874,826	2,336,000	1,778,599	1,342,393	-14,682,821	122,306,603
Angelo Gordon VAL FD X	46,798,278	-2,412,632	84,889		-1,664,838	42,805,697
Artemis Real Estate III	33,621,331	-1,416,203			1,416,575	33,621,703
Artemis Real Estate IV	1,352,428	4,942,781	28,416		-1,162,727	5,160,898
Blackstone Real Estate X		5,468,649	77		-1,442,845	4,025,881
Dune Real Estate III	35,190,596	-15,682,469			-7,853,276	11,654,851
Dune Real Estate IV	31,516,246	21,348,938			1,965,495	54,830,679
FCP Realty Fund IV, L.P.	39,675,179	2,068,013			-832,742	40,910,450
FCP Realty Fund V	44,842,138	42,439,940			-1,834,019	85,448,059
GreenOak US II	22,268,815				-2,987,446	19,281,369

Source: Northern Trust

* Net Contributions include Cash Contributions/Distributions, Security Deliveries/Receipts, Fees/Fee Rebates, Inter Account transfers for Consolidations & Benefits Payments.



TRSOK – Financial Reconciliation Report – One Year

Account/GroupMarket VaGreenOak US III40,642,9Harbert European Real Estate V43,581,4Invesco Real Estate VI34,369,5	25 3,429,126 69 -6,674,144 15 20,652,317	1,142,170	Fees	Appreciation 375,692 612,263	Market Value 44,447,743 38,661,758
Harbert European Real Estate V 43,581,4	69 -6,674,144 15 20,652,317	1,142,170			
•	15 20,652,317			612,263	38,661,758
Invesco Real Estate VI 34,369,5		165,249			
	34			-3,547,778	51,639,303
Invesco Strategic Opportunity 14,293,5				2,117,552	16,411,136
L&B Golden Driller 76,577,9	342,282			-40,899,985	36,020,200
Landmark Real Estate IX	-				
Landmark Real Estate VII 5,923,2	73 -969,073	932,684		-1,286,389	4,600,496
Lyrical-OTRS Realty Partner IV 64,123,7	-8,100,000			-1,012,504	55,011,208
Oaktree Real Estate IX	-				
Property ACQ Fund 10,400,0	-375,000	375,000		-975,000	9,425,000
Starw ood Opportunity X 11,784,6	27			-1,505,338	10,279,289
Starw ood Opportunity XI 51,318,3	71 -754,031	754,033		-613,779	50,704,594
Starw ood XII 34,366,6	45,000,000			-3,771,054	75,595,571
TPG Real Estate IV6,328,0	31 1,872,346			-3,569,703	4,630,674
Private Debt	- 190,866,165			7,161,117	198,027,282
Private Credit Fund O, LLC	- 78,191,165			1,764,846	79,956,011
Scissor-Tail Credit Fund, LLC	- 112,675,000			5,396,271	118,071,271
Total Cash 85,857,5	198,940,346	19,997,999	266,575	-24,281	304,771,571
Custom Cash Flow 85,857,5	198,940,346	19,997,999	266,575	-24,281	304,771,571
Terminated / Misc. Managers11,017,7	3 988,957	621,596	14,297	999,122	13,627,439
OTRS-TAX RECLAIM & MISC. 11,017,7	63 988,957	621,596	14,297	999,122	13,627,439



Name		Description
Bloomberg	U.S. Corporate High Yield Bond Index	An index that cove issues from emergi Ba1/BB+ or below.
Bloomberg	Emerging Markets Index	An unmanaged ind markets.
Bloomberg	Global Aggregate	Provides a broad-b this index are the U also includes Euroo USD investment gr
Bloomberg	Global Treasury Ex-US	The Global Treasu US debt. This multi native currencies.
Bloomberg	Universal Index	A market value-we Eurodollar Index, U fixed income mand
Bloomberg	U.S. Government Index	A market value wei with maturities of c
Bloomberg	U.S. Government/Credit Index	A subcomponent o issues, and high-quot of maturity remaini
Bloomberg	U.S. High Yield Index	An index compose outstanding par va
Bloomberg	U.S. Inflation Index	Measures the perfo
Bloomberg	U.S. Intermediate Aggregate Bond Index	A market value-we asset-backed secu
Bloomberg	U.S. Intermediate Government/Credit Index	A market-value we years to maturity a
Bloomberg	U.S. Intermediate Government Bond Index	An unmanaged ind treasury, governme



ers the USD-dominated, non-investment grade, fixed rate, taxable corporate bond market. Debt ging market countries are excluded. Securities are classified as high-yield if the middle rating is

dex that tracks total returns for external-currency-denominated debt instruments of the emerging

based measure of the global investment-grade fixed income markets. The three major components of U.S. Aggregate, the Pan-European Aggregate, and the Asian-Pacific Aggregate Indices. The index odollar and Euro-Yen corporate bonds, Canadian government, agency and corporate securities, and rade 144A securities.

ury ex US Index is a subset of the flagship Global Treasury Index that does not have any exposure to ti-currency benchmark includes investment grade, fixed-rate bonds issued by governments in their

eighted index which is the union of the U.S. Aggregate Index, U.S. High Yield Corporate Index, U.S. Emerging Markets Index and the CMBS High Yield Index. The Index is appropriate for core plus dates.

eighted index of U.S. government and government agency securities (other than mortgage securities) one year or more.

of the Capital Aggregate Index, this benchmark includes treasury securities, government related quality corporate bonds with an outstanding par value of \$250 million or greater and at least one year ning.

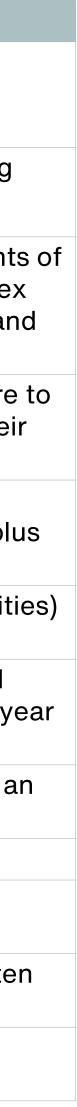
ed of non-investment grade corporate debt denominated in U.S. dollars. The issues have to have an alue of \$150 million or greater and at least one year of maturity remaining.

formance of the U.S. Treasury Inflation Protected Securities ("TIPS") market.

eighted index consisting of U.S. Treasury securities, corporate bonds and mortgage-related and urities with one to ten years to maturity and an outstanding par value of \$250 million or greater

eighted index consisting of government bonds and SEC-registered corporate bonds with one to ten and an outstanding par value of \$150 million or greater.

dex considered representative of intermediate- term fixed-income obligations issued by the U.S. nent agencies and quasi-federal corporations.



Name	Description
Bloomberg U.S. Intermediate Treasury	An unmanaged ind treasury.
Bloomberg U.S. Aggregate Bond Index	A market value-we related and asset-l greater. This index
Bloomberg U.S. Long Credit Bond Index	An unmanaged inc specified foreign d To qualify, bonds r
Bloomberg U.S. Long Government/Credit Index	The Capital U.S. G government-relate equal to 1 year. In a and non-convertib
Bloomberg U.S. Long-Term Government Bond Index	An unmanaged inc government agenc
Bloomberg U.S. TIPS	A market value-we remaining until ma
Bloomberg U.S. Treasury 20-30 Year STRIPS Index	A subcomponent c
Bloomberg Commodity Index	Consists of 22 exc significance and m price movements.
BofA Merrill Lynch 3 Month Treasury Bill	An index that mea
BofA Merrill Lynch High Yield Master	A market capitaliza grade corporate de



dex considered representative of intermediate-term fixed- income obligations issued by the U.S.

eighted index consisting of government bonds, SEC-registered corporate bonds and mortgage--backed securities with at least one year to maturity and an outstanding par value of \$250 million or x is a broad measure of the performance of the investment grade U.S. fixed income market.

dex considered representative of long-term fixed-income obligations issued by U.S. corporate, debentures, and secured notes that meet the specified maturity, liquidity, and quality requirements. must be SEC-registered.

Government/ Credit Bond Index measures performance of U.S. dollar denominated U.S. treasuries, ed, and investment grade U.S. corporate securities that have a remaining maturity of greater than or addition, the securities have \$250 million or more of outstanding face value, and must be fixed rate ole.

dex considered representative of long-term fixed- income obligations issued by the U.S. treasury, cies and quasi-federal corporations.

eighted index consisting of U.S. Treasury Inflation Protected Securities with one or more years aturity with total outstanding issue size of \$500m or more.

of the Aggregate Index, this benchmark includes long-term treasury STRIPS.

change-traded futures on physical commodities, which are weighted to account for economic narket liquidity. Performance is calculated on an excess return basis and reflects commodity future

asures the average return of the last three-month U.S. Treasury Bill issues .

zation-weighted index that tracks the performance of U.S. dollar- denominated, below investment debt publicly issued in the U.S. domestic market.



Name	Description
Citigroup 90-Day T-Bill Index	An index that meas
CRSP US Large Growth Cap Index	An index comprise NYSEMarket, NAS reconstituted quar classifies growth se short-term growth investment-to-asse
CRSP US Total Market Index	An index comprise securities traded o market. The index December.
Credit Suisse Leveraged Loan Index	Designed to mirror
DJ U.S. Completion Total Stock Market Index	A capitalization-we stocks in the S&P
DJ U.S. Total Stock Market Index	A capitalization-we exchanges. The in 5,000 stocks.
FTSE 4Good U.S. Select Index	A socially responsi such as weapons,
FTSE All-World ex-U.S. Index	A capitalization-we excluding the U.S.
FTSE EPRA NAREIT Global ex-U.S. Index	Designed to repres defined as the owr
FTSE Global All Cap ex US Index	A market-capitaliza companies in 46 D
FTSE Global Core Infrastructure Index	Represents the per FTSE defines as be developed and em



asures the average return of the last three-month U.S. Treasury Bill issues

ed of nearly 330 US large cap growth companies and includes securities traded on NYSE, SDAQ, or ARCA, representing nearly 45% of the U.S. investable equity market. The index is rterly after the market close on the third Fridays of March, June, September, and December. CRSP securities using the following factors: future long-term growth in earnings per share (EPS), future in EPS, 3-year historical growth in EPS, 3-year historical growth in sales per share, current sets ratio, and return on assets.

ed of nearly 4,000 constituents across mega, large, small, and micro capitalizations and includes on NYSE, NYSE Market, NASDAQ, or ARCA, representing nearly 100% of the U.S. investable equity (is reconstituted quarterly after the market close on the third Fridays of March, June, September, and

r the investable universe of the U.S. dollar denominated leveraged loan market.

reighted index that consists of the stocks in the Dow Jones U.S. Total Stock Market Index less the 500 Stock Index.

reighted stock index representing all domestic common stocks traded regularly on the organized ndex is the broadest measure of the aggregate domestic stock market and includes approximately

sible investment (SRI) index of US stocks that excludes companies with certain business activities tobacco, gambling, alcohol, nuclear power, and adult entertainment

reighted stock index representing 46 developed market countries and emerging market countries

esent general trends in eligible real estate equities worldwide. Relevant real estate activities are nership, disposure and development of income-producing real estate.

zation weighted index representing the performance of roughly 5350 large, mid and small cap Developed and Emerging markets worldwide, excluding the USA.

erformance of infrastructure and infrastructure-related securities companies in a set of industries that being involved in infrastructure. The series is based on the FTSE Global Equity Index Series and both nerging markets are included.



Name	Description
FTSE NAREIT U.S. Equity REITS	Free float adjusted (REITs).
Goldman Sachs Commodity Index	A composite index position in commod
HFR Fund-of-Fund Index.	This index is equity is valued in U.S. do under management monthly basis.
HFRI Fund Weighted Composite Index	The HFRI Fund Wei funds that report to and have a minimu performance. The H
Hueler Stable Value Index	The Hueler Analytic billion in stable valu general account iss synthetic contracts
J.P. Morgan EMBI Global Diversified	Comprised of dolla sovereign and quas including a specifie a more even distrib
iMoneyNet All Taxable Money Funds Index	An index made up o 1,300 funds, or app
iMoneyNet Money Fund Average.	An index made up of 1,300 funds, or app
MSCI All Country World ex-U.S. Index	A capitalization-we Middle East, Latin A excludes the U.S.
MSCI All Country World ex-U.S. Index IMI	A capitalization-we United States) and stock market, cove United States.



l, market capitalization weighted index of US based equity real estate investment trusts

x of commodity sector returns which represents a broadly diversified, unleveraged, long-only odity futures.

cy-weighted including 800 constituents. It includes both domestic and offshore accounts and ollars. Only fund-of-fund products are included in the index that have at least \$50 million nts and have been actively trading for at least one year. All funds report net returns on a

eighted Composite Index is a global, equal-weighted index of over 2,000 single-manager to HFR Database. Constituent funds report monthly net of all fees performance in US Dollar um of \$50 Million under management or a twelve (12) month track record of active HFRI Fund Weighted Composite Index does not include Funds of Hedge Funds.

tics Stable Value Pooled Fund Comparative Universe represents investment strategies of \$96 lue assets, across 24 pooled funds, invested in contracts universe across a universe of 16 ssuers and 14 synthetic wrap providers. The allocation of pooled fund assets is dominated by ts issued by insurance companies and banks.

ar-denominated Brady bonds, traded loans and Eurobonds issued by emerging market asi-sovereign entities. The Diversified version limits the weights of the index countries by only led portion of those countries' eligible current face amounts of debt outstanding, providing for bution of weights within the countries in the index.

of the entire universe of money market mutual funds. The index currently represents over oproximately 99 percent of all money fund assets.

of the entire universe of money market mutual funds. The index currently represents over oproximately 99 percent of all money fund assets.

eighted index of stocks representing 44 stock markets in Europe, Australia, the Far East, the America and North America. Index consists of 23 developed and 21 emerging countries, but

eighted index of large, mid and small cap stocks representing 22 developed (excluding the d 24 emerging market countries. The index is the broadest measure of the aggregate non-US ering approximately 99% of the global equity investment opportunity set outside of the

Standard Indices (capitalization.MSCI All Country World Index IMIA capitalization-we countries. The index the global equity inMSCI All Country World IndexA capitalization-we global equity inMSCI EAFE Growth IndexA capitalization-we growth-oriented co MSCI EAFE Small Cap IndexMSCI EAFE Small Cap IndexA capitalization-we Asia, and the Far E MSCI EAFE Value IndexMSCI EAFE Value IndexA capitalization-we and Micro-Cap Indi includes approximMSCI U.S. REIT IndexA broad index that the index is investaMSCI World IndexA free float-adjust of developed markNCREIF Property IndexNCREIF Property Index		
Standard Indices (capitalization.MSCI All Country World Index IMIA capitalization-we countries. The inde the global equity inMSCI All Country World IndexA capitalization-we global equity inMSCI EAFE Growth IndexA capitalization-we growth-oriented co MSCI EAFE Small Cap IndexMSCI EAFE Small Cap IndexA capitalization-we growth-oriented combronMSCI EAFE Value IndexA capitalization-we Asia, and the Far E MSCI EAFE Value IndexMSCI EAFE Value IndexA capitalization-we and Micro-Cap Ind includes approximMSCI U.S. Broad Market IndexA capitalization-we and Micro-Cap Ind includes approximMSCI U.S. REIT IndexA free float-adjust of developed markNCREIF Property IndexNCREIF Property Index	Name	Description
countries. The index the global equity inMSCI All Country World IndexA capitalization-we East, Latin AmericMSCI EAFE Growth IndexA capitalization-we growth-oriented coMSCI EAFE Small Cap IndexA capitalization-we Asia, and the Far EMSCI EAFE Value IndexA capitalization-we value-oriented comMSCI EAFE Value IndexA capitalization-we value-oriented comMSCI Emerging Markets IndexA capitalization-we value-oriented comMSCI U.S. Broad Market IndexA capitalization-we values approximMSCI U.S. REIT IndexA broad index that the index is investaMSCI World IndexA free float-adjust of developed markNCREIF Property IndexNCREIF Property Index	MSCI All Country World ex-U.S. Small Cap Index	Covers all investat Standard Indices (capitalization.
MSCI EAFE Growth IndexEast, Latin Americ Growth-oriented co growth-oriented coMSCI EAFE Small Cap IndexA capitalization-we Asia, and the Far EMSCI EAFE Value IndexA capitalization-we value-oriented com MSCI Emerging Markets IndexMSCI Emerging Markets IndexA capitalization-we value-oriented com 	MSCI All Country World Index IMI	A capitalization-we countries. The inde the global equity in
growth-oriented coMSCI EAFE Small Cap IndexA capitalization-we Asia, and the Far EMSCI EAFE Value IndexA capitalization-we value-oriented comMSCI Emerging Markets IndexA capitalization-we value-oriented comMSCI U.S. Broad Market IndexA capitalization-we and Micro-Cap Ind includes approximMSCI U.S. REIT IndexA broad index that the index is investaMSCI World IndexA free float-adjust 	MSCI All Country World Index	•
Asia, and the Far E MSCI EAFE Value Index A capitalization-we value-oriented con MSCI Emerging Markets Index A capitalization-we MSCI U.S. Broad Market Index MSCI U.S. Broad Market Index MSCI U.S. REIT Index A capitalization-we and Micro-Cap Ind includes approxim A broad index that the index is investa MSCI World Index A free float-adjust of developed mark NCREIF Property Index	MSCI EAFE Growth Index	•
MSCI Emerging Markets IndexA capitalization-weMSCI U.S. Broad Market IndexA capitalization-we and Micro-Cap Ind includes approximMSCI U.S. REIT IndexA broad index that the index is investaMSCI World IndexA free float-adjuste of developed markNCREIF Property IndexNCREIF Property Index	MSCI EAFE Small Cap Index	•
MSCI U.S. Broad Market IndexA capitalization-we and Micro-Cap Ind includes approximMSCI U.S. REIT IndexA broad index that the index is investaMSCI World IndexA free float-adjust of developed markNCREIF Property IndexNCREIF Property Index	MSCI EAFE Value Index	A capitalization-we value-oriented con
and Micro-Cap Ind includes approximMSCI U.S. REIT IndexA broad index that the index is investaMSCI World IndexA free float-adjust of developed markNCREIF Property IndexNCREIF Property Index	MSCI Emerging Markets Index	A capitalization-we
MSCI World IndexA free float-adjust of developed markNCREIF Property IndexNCREIF Property Index	MSCI U.S. Broad Market Index	and Micro-Cap Ind
of developed mark NCREIF Property Index NCREIF Property I	MSCI U.S. REIT Index	
	MSCI World Index	A free float-adjuster of developed mark
	NCREIF Property Index	NCREIF Property In properties represe



ble small cap securities with a market capitalization below that of the companies in the MSCI (excluding U.S.), and target approximately 14% of each market's free-float adjusted market

veighted index of large, mid and small cap stocks representing 23 developed and 24 emerging market dex is the broadest measure of the aggregate global stock market, covering approximately 99% of investment opportunity set.

veighted index of stocks representing 46 stock markets in Europe, Australia, the Far East, the Middle ca and North America.

veighted index of 21 stock markets in Europe, Australia, Asia and the Far East designed to capture the companies.

veighted index of small cap stocks representing 23 developed country markets in Europe, Australia, East.

veighted index of 21 stock markets in Europe, Australia, Asia and the Far East designed to capture the mpanies.

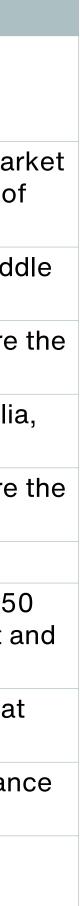
veighted index of stocks representing 22 emerging country markets.

weighted stock index that aggregates the MSCI U.S. Large Cap 300, Mid Cap 450, Small Cap 1,750 dices. This index represents approximately 99.5% of the capitalization of the U.S. Equity market and nately 3,562 companies.

at fairly represents the equity REIT opportunity set with proper invest ability screens to ensure that table and replicable. The index represents approximately 85% of the U.S. REIT universe

ted market capitalization weighted index that is designed to measure the equity market performance kets, representing 24 developed market country indices.

Index - A capitalization-weighted index of privately owned investment grade income-producing enting approximately \$269 billion in assets.



	Name	Description
	NFI ODCE Index	NFI ODCE Index - A estate properties. diversification requires results. The returns
	Rolling 3-year Constant Maturity Treasury Index	An index published all adjusted to the
	Russell 1000 Growth Index	An index that meas I/B/E/S growth for
	Russell 1000 Index	A capitalization-we
	Russell 1000 Value Index.	An index that meas ratios and lower I/E
	Russell 2000 Growth Index	A capitalization-we I/B/E/S earnings g
	Russell 2000 Index	A capitalization-we and smallest-capita
	Russell 2000 Value Index	An index that meas ratios and lower I/E
	Russell 2500 Growth Index	A capitalization-we ratios and higher I/
	Russell 2500 Index	The Index is constr capitalizations, cho
	Russell 2500 Value Index.	an index that meas ratios and lower I/E



A capitalization weighted index comprised of open-end, Core funds investing in commercial real The funds that constitute the index are subject to certain geographic and property type juirements as well as leverage restrictions. The index reflects the impact of leverage on investment ns shown in this report are net of management fees of the respective funds included in the index.

ed by the Federal Reserve Board based on the monthly average yield of a range of Treasury securities, e equivalent of a three-year maturity.

asures the performance of those Russell 1000 companies with higher price-to- book ratios and higher precasts.

reighted index of the 1,000 largest publicly traded U.S. stocks by capitalization.

asures the performance of those stocks included in the Russell 1000 Index with lower price-to-book /B/E/S earnings growth forecasts.

veighted index of those stocks in the Russell 2000 Index with higher price-to-book ratios and higher growth forecasts.

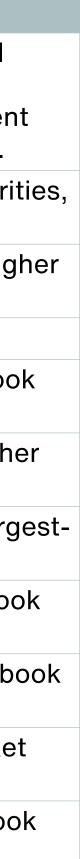
veighted index of the smallest 2,000 stocks in the Russell 3000 Index. The index excludes the largesttalization issues in the domestic stock market.

asures the performance of those stocks included in the Russell 2000 Index with lower price-to-book /B/E/S earnings growth forecasts.

veighted index representing those companies within the Russell 2500 Index with higher price-to-book I/B/E/S earnings growth forecasts.

tructed by first identifying the 3,000 largest-capitalization U.S. stocks and ranking them by market noosing the bottom 2,500 names on the list.

asures the performance of those stocks included in the Russell 2500 Index with lower price-to-book /B/E/S earnings growth forecasts.



Name	Description
Russell 3000 Growth Index	A capitalization-we and higher I/B/E/S
Russell 3000 Index	A capitalization-we
Russell 3000 Value Index	A capitalization-we lower I/B/E/S earn
Russell Mid Cap Growth Index	A capitalization-we ratios and higher I/
Russell Mid Cap Value Index	A capitalization-weig
S&P 500 Index	A capitalization-we and industry group industries.
S&P Completion Index	The S&P Completi and excluding all c investors broad ex
S&P GSCI®	Both the first majo broad-based, prod
S&P Leverage Loan Index	A daily total return
S&P Midcap 400 Index	A market-capitaliza
Wilshire REIT	A measure of the tresidential real estantial have at least 75%

• Indices cannot be invested in directly. Unmanaged index returns assume reinvestment of any and all distributions and do not reflect our fees or expenses.

• Past performance is no guarantee of future results.



veighted index consisting of those Russell 3000 Index stocks that have higher price-to-book ratios S earnings growth forecasts.

veighted index consisting of the 3,000 largest publicly traded U.S. stocks by capitalization. This index re of the aggregate domestic equity market.

reighted index consisting of those Russell 3000 Index stocks that have lower price-to-book ratios and rnings growth forecasts.

veighted index representing those stocks in the Russell MidCap Index with higher price-to-book I/B/E/S earnings growth forecasts.

ighted index consisting of those Russell MidCap Index stocks that have lower price-to-book ratios and lower owth forecasts.

veighted index representing stocks chosen by Standard & Poor's, Inc. for their size, liquidity, stability prepresentation. The companies in the S&P 500 Index are generally among the largest in their

tion Index is a sub-index of the S&P Total Market Index, including all stocks eligible for the S&P TMI current constituents of the S&P 500. The index covers approximately 4,000 constituents, offering xposure to mid, small, and micro-cap companies.

or investable commodity index and one of the most widely recognized benchmarks, the S&P GSCI® is duction weighted, and meant to be representative of the global commodity market beta.

n index that uses LSTA/LPC Mark-to-Market Pricing to calculate market value change.

zation-weighted index of stocks in all major industries in the mid-range of the U.S. stock market.

types of U.S. real estate securities that represent the ownership and operation of commercial or tate. To be included in the index, a company must have a market capitalization of \$200 million and 6 of the total revenue derived from the ownership and operation of the real estate assets.



Notes

- All of the investment managers' market values and returns are calculated and provided by Northern Trust.
- Universe percentiles are based upon an ordering system in which 1 is the best ranking and 100 is the worst ranking.
- Due to rounding throughout the report, percentage totals displayed may not sum to 100%. Additionally, individual fund totals in dollar terms may not sum to the plan total.



• The rates of return contained in this report are shown on an after-fees basis unless otherwise noted. They are geometric and time-weighted. Returns for periods longer than one year are annualized.

• The information provided was not prepared, reviewed, or approved by the General Partner, the Partnership or any affiliates of same and should not be relied upon by any other party.

Disclaimer

Past performance is not necessarily indicative of future results.

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