



Oklahoma Police Pension & Retirement System

Investment Performance Review

June 30, 2023



2018 2019 2020 2021 2022

We are proud to announce that ACG has again been named a Greenwich Associates Quality Leader - recognized as one of the top consultants in the industry.

Methodology and Disclosure: Between February and November of 2022, Coalition Greenwich (previously known as Greenwich Associates), conducted in-person and phone interviews and online surveys with 727 professionals at 590 of the largest tax-exempt funds in the United States, including corporate and union funds, public funds, endowments and foundations, insurance general accounts, and healthcare organizations, with either pension or investment pool assets greater than \$150 million. Study participants were asked to provide quantitative and qualitative evaluations of their asset managers and investment consultants, including qualitative assessments of those firms soliciting their business and detailed information on important market trends. ACG is one of four firms recognized in the mid-size investment consultant category. The ratings may not be representative of any one client's experience with ACG; rather they are representative of those clients that chose to participate in the survey. The results are not indicative of ACG's future performance. ACG does not pay to have its clients participate in the study.

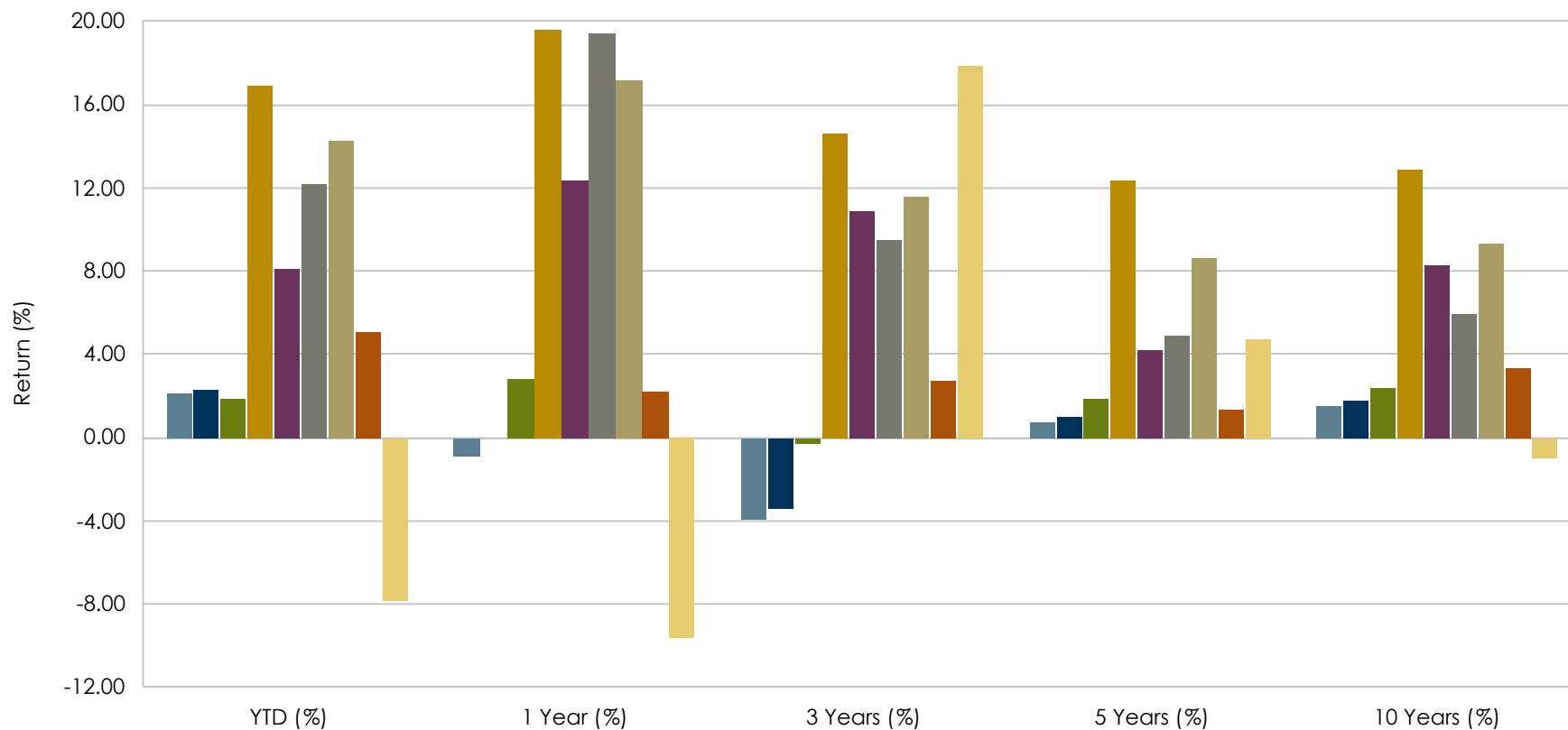
Table of Contents

Tab 1	Market Overview
Tab 2	Total Portfolio Summary
Tab 3	Equity
Tab 4	Fixed Income
Tab 5	Real Assets
Appendix	Definitions of Statistical Measures
	Quality Rating Scale
	Historical Benchmark Composition

Market Overview

Market Environment

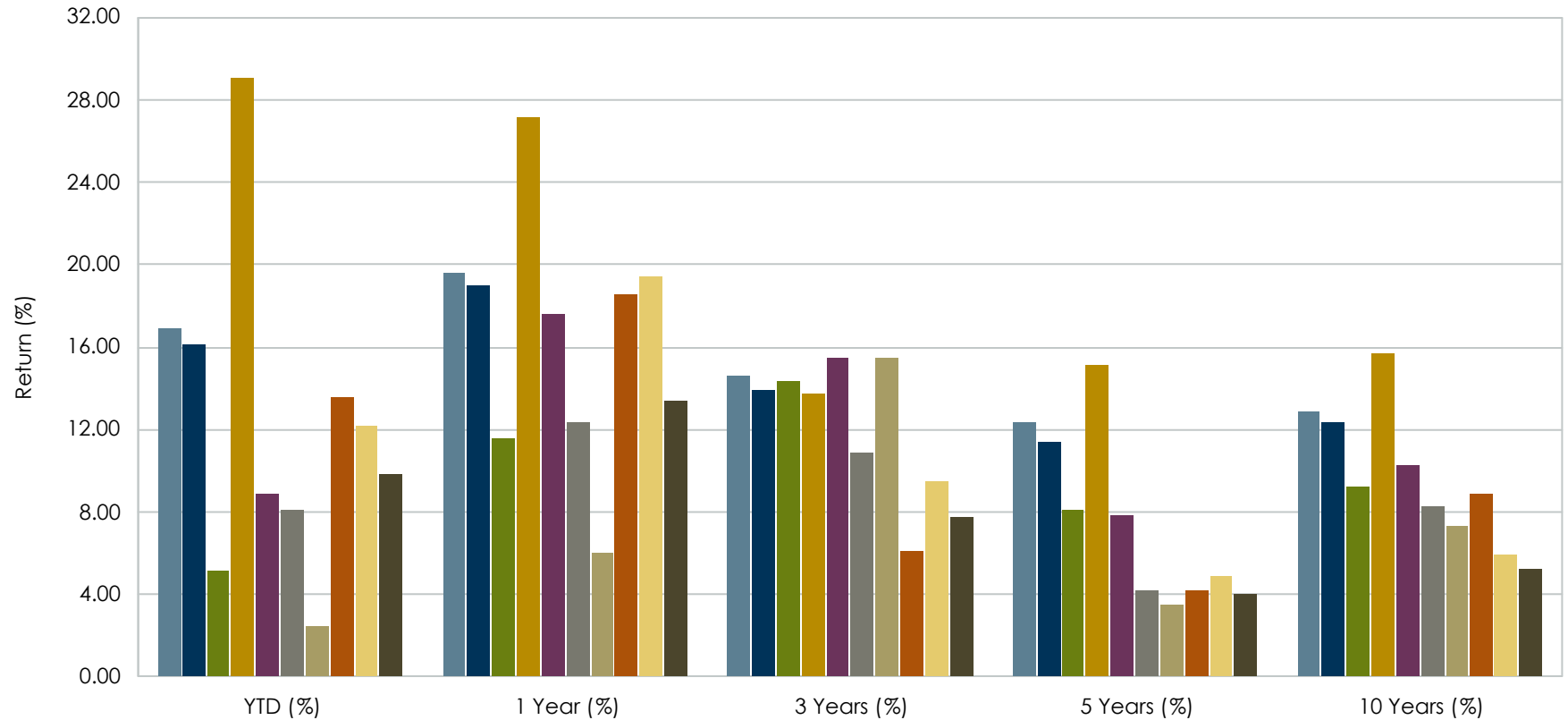
For the Periods Ending June 30, 2023



Bloomberg US Aggregate	2.09	-0.94	-3.96	0.77	1.52
Bloomberg Universal	2.32	-0.04	-3.43	0.98	1.80
Bloomberg 1-15 Yr Municipal	1.85	2.78	-0.32	1.83	2.34
S&P 500	16.89	19.59	14.60	12.31	12.86
Russell 2000	8.09	12.31	10.82	4.21	8.26
MSCI EAFE	12.13	19.41	9.48	4.90	5.91
MSCI ACWI	14.26	17.13	11.51	8.64	9.31
MSCI Emerging Markets	5.10	2.22	2.72	1.32	3.33
Bloomberg Commodity	-7.79	-9.61	17.82	4.73	-0.99

Equity Index Returns

For the Periods Ending June 30, 2023



S&P 500	16.89
Russell 3000	16.17
Russell 1000 Value	5.12
Russell 1000 Growth	29.02
S&P Mid Cap 400	8.84
Russell 2000	8.09
Russell 2000 Value	2.50
Russell 2000 Growth	13.55
MSCI EAFE	12.13
MSCI ACWI ex US	9.86

19.59
18.95
11.54
27.11
17.61
12.31
6.01
18.53
19.41
13.33

14.60
13.89
14.30
13.73
15.44
10.82
15.43
6.10
9.48
7.75

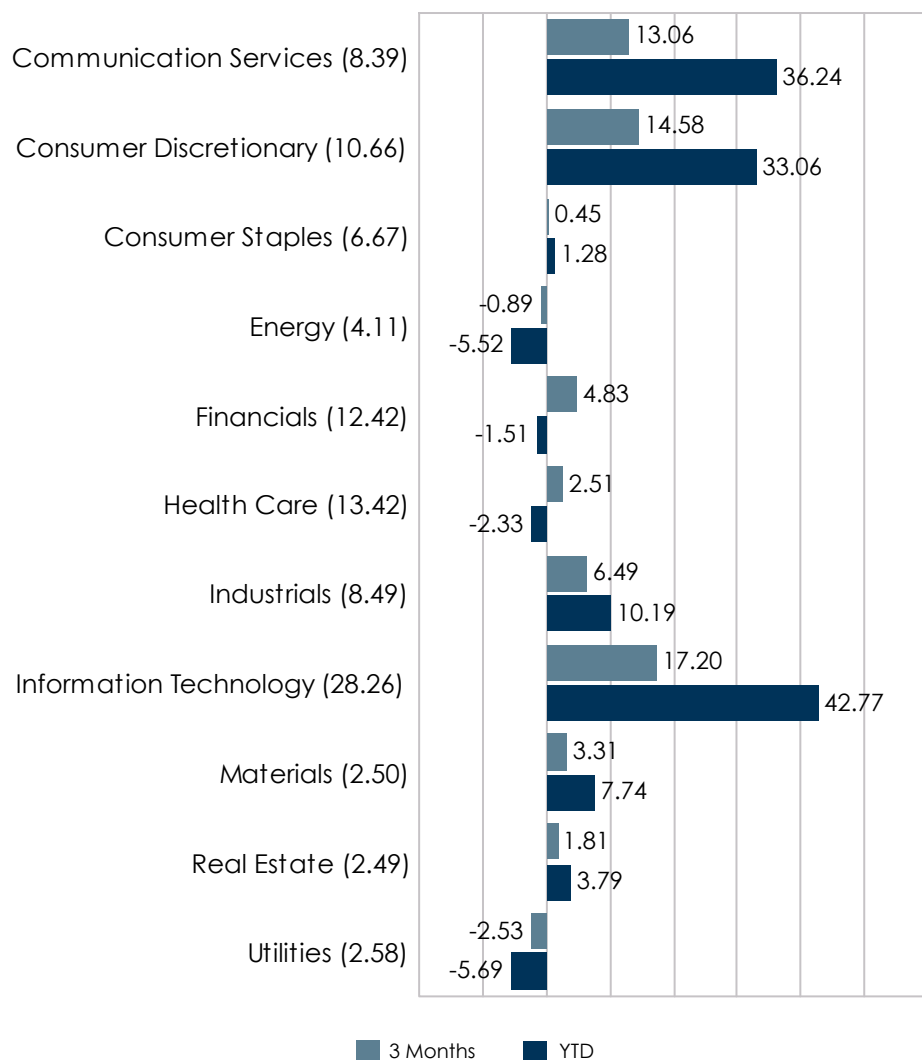
12.31
11.39
8.11
15.14
7.79
4.21
3.54
4.22
4.90
4.01

12.86
12.34
9.22
15.75
10.21
8.26
7.29
8.83
5.91
5.24

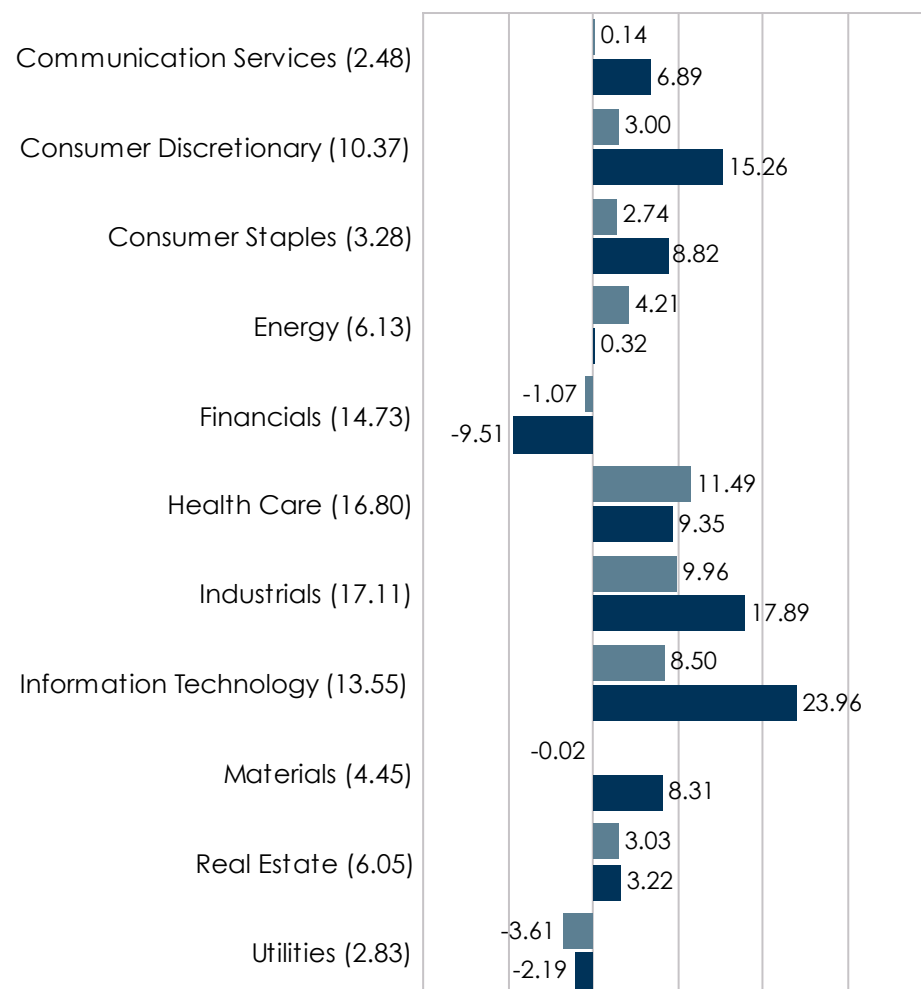
US Markets - Performance Breakdown

For the Periods Ending June 30, 2023

S&P 500 - Sector Returns (%)



Russell 2000 - Sector Returns (%)



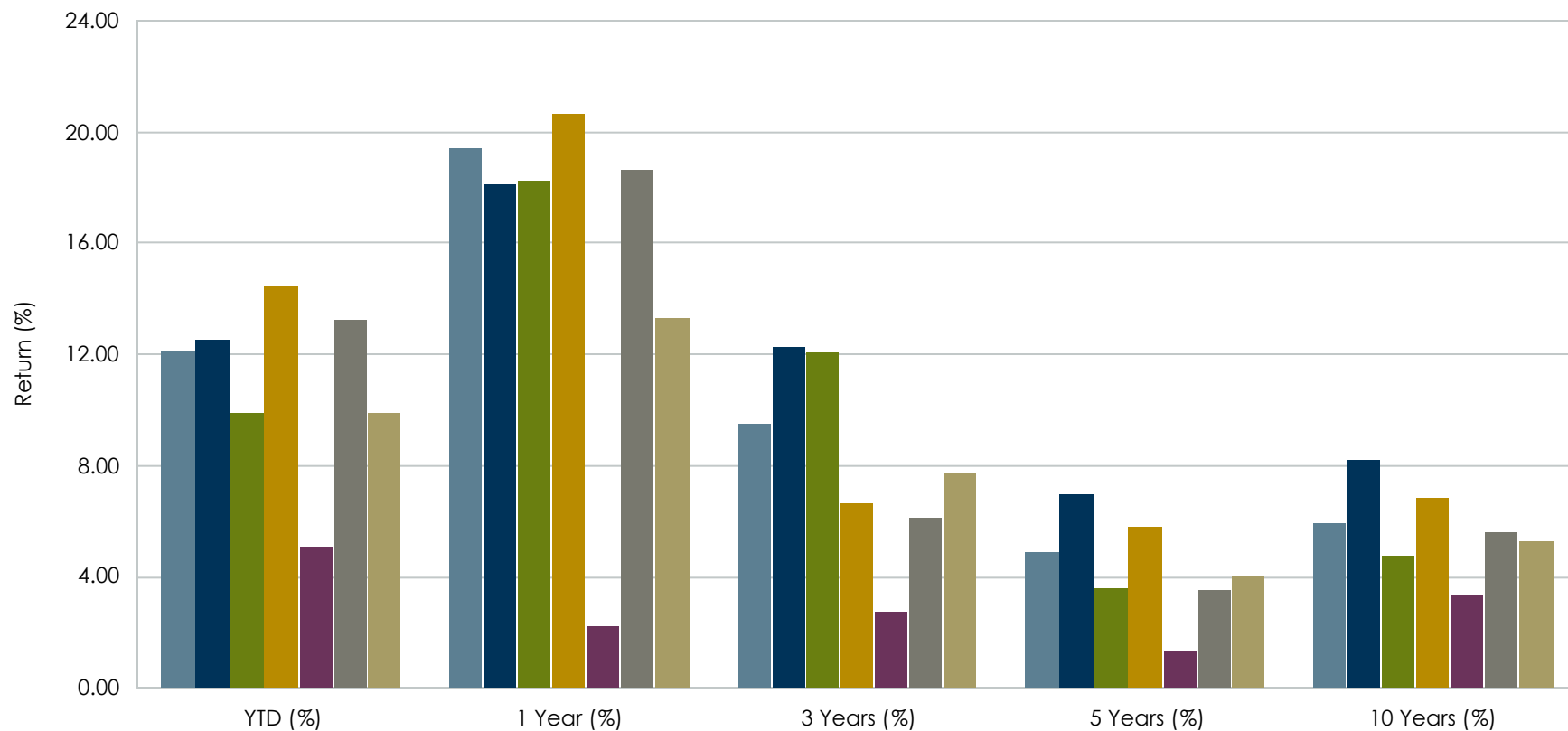
Numbers in parenthesis represent sector weightings of the index. Sector weights may not add to 100% due to rounding or securities that are not assigned to a Global Industry Classification Standard (GICS) sector.

Source: ACG Research, Bloomberg

© 2023 Asset Consulting Group All Rights Reserved

Non-US Equity Index Returns

For the Periods Ending June 30, 2023



MSCI EAFE	12.13
MSCI EAFE Local Currency	12.56
MSCI EAFE Value	9.89
MSCI EAFE Growth	14.47
MSCI Emerging Markets	5.10
MSCI Japan	13.24
MSCI ACWI ex US	9.86

19.41
18.12
18.25
20.61
2.22
18.62
13.33

9.48
12.29
12.08
6.62
2.72
6.09
7.75

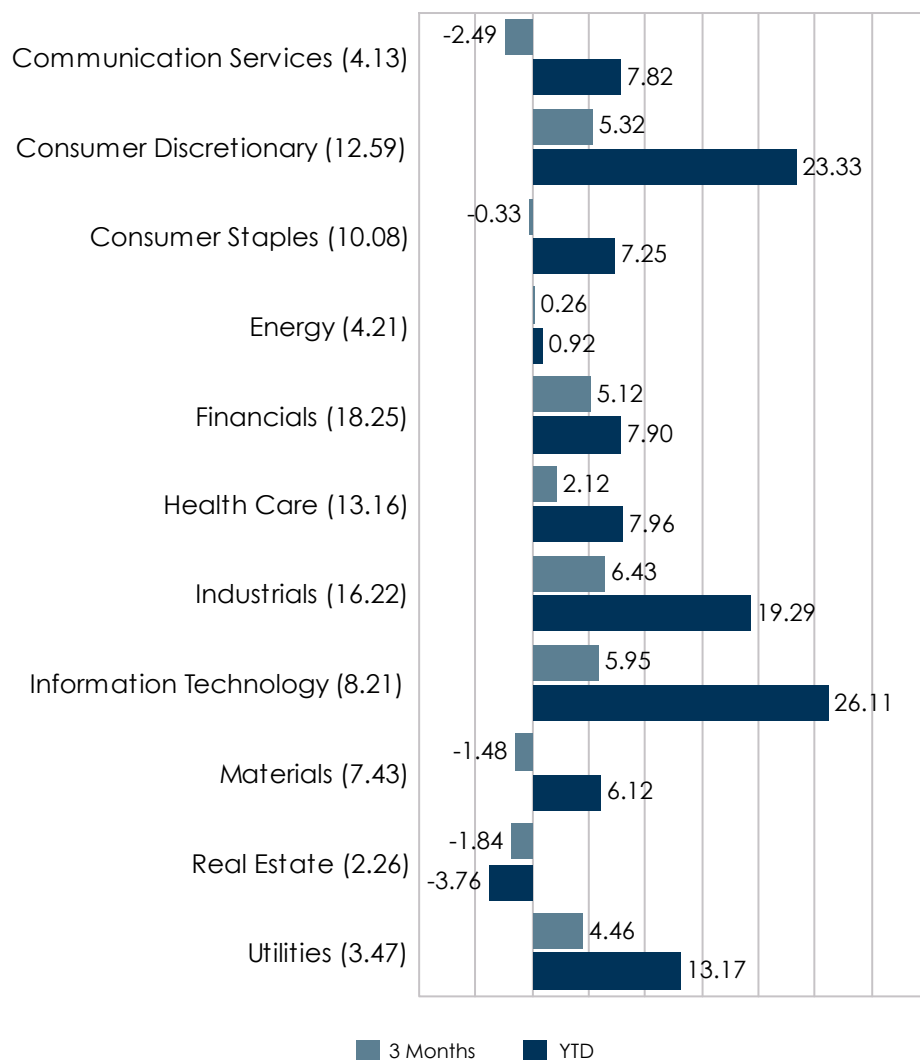
4.90
6.94
3.59
5.80
1.32
3.51
4.01

5.91
8.18
4.76
6.81
3.33
5.59
5.24

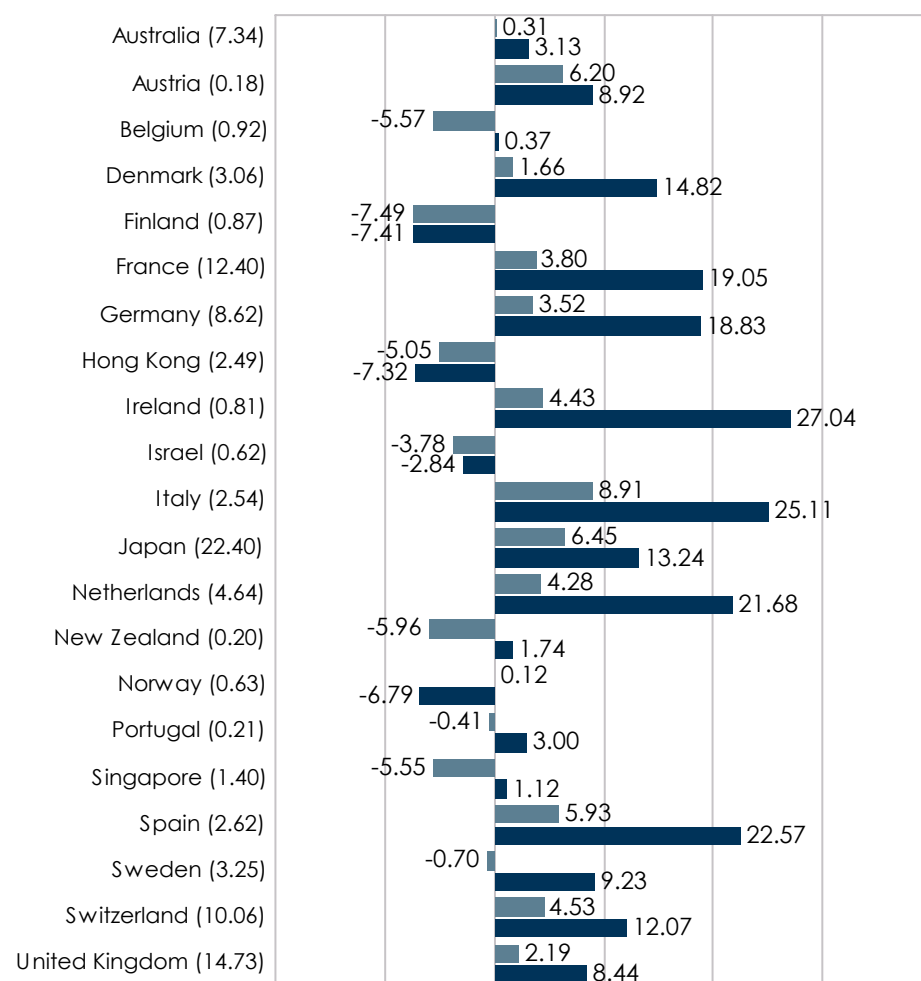
Non-US Equity - Performance Breakdown

For the Periods Ending June 30, 2023

MSCI EAFE - Sector Returns (%)



MSCI EAFE - Country Returns (%)



Numbers in parenthesis represent sector or country weights of the index. Sector or country weights may not add to 100% due to rounding.

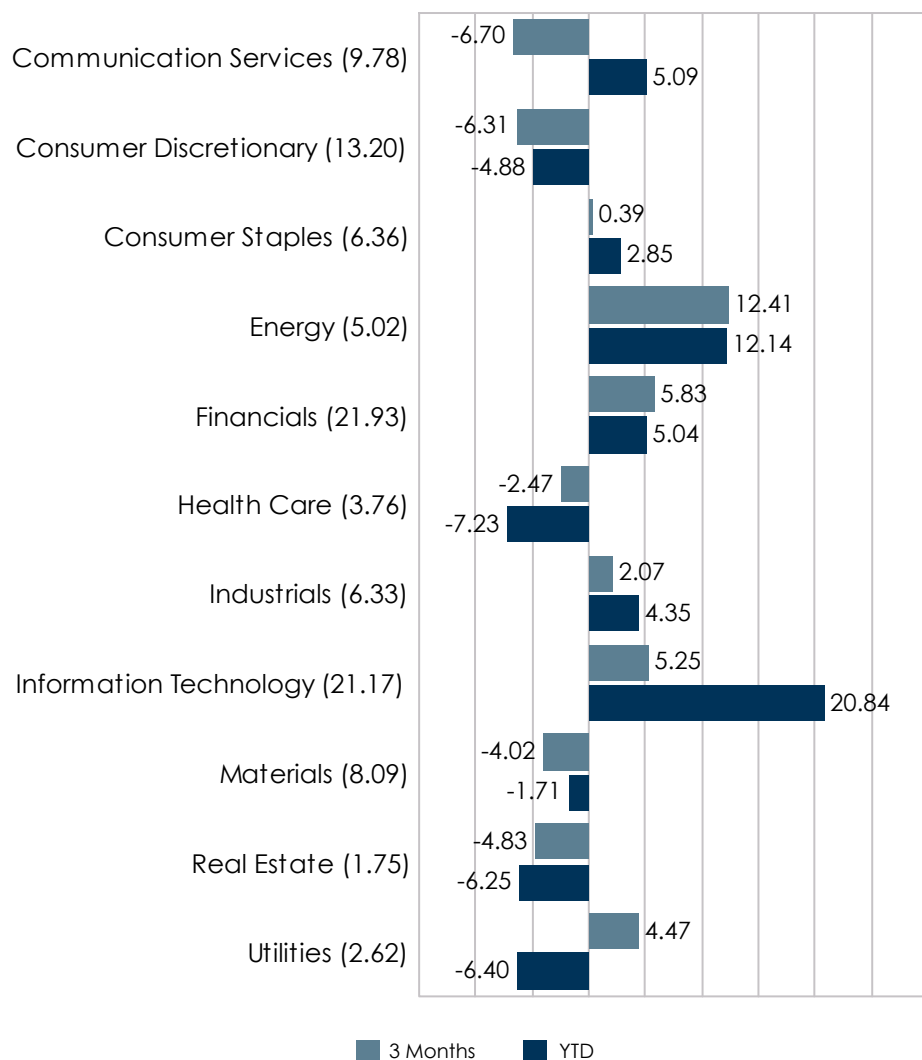
Source: ACG Research, Bloomberg

© 2023 Asset Consulting Group All Rights Reserved

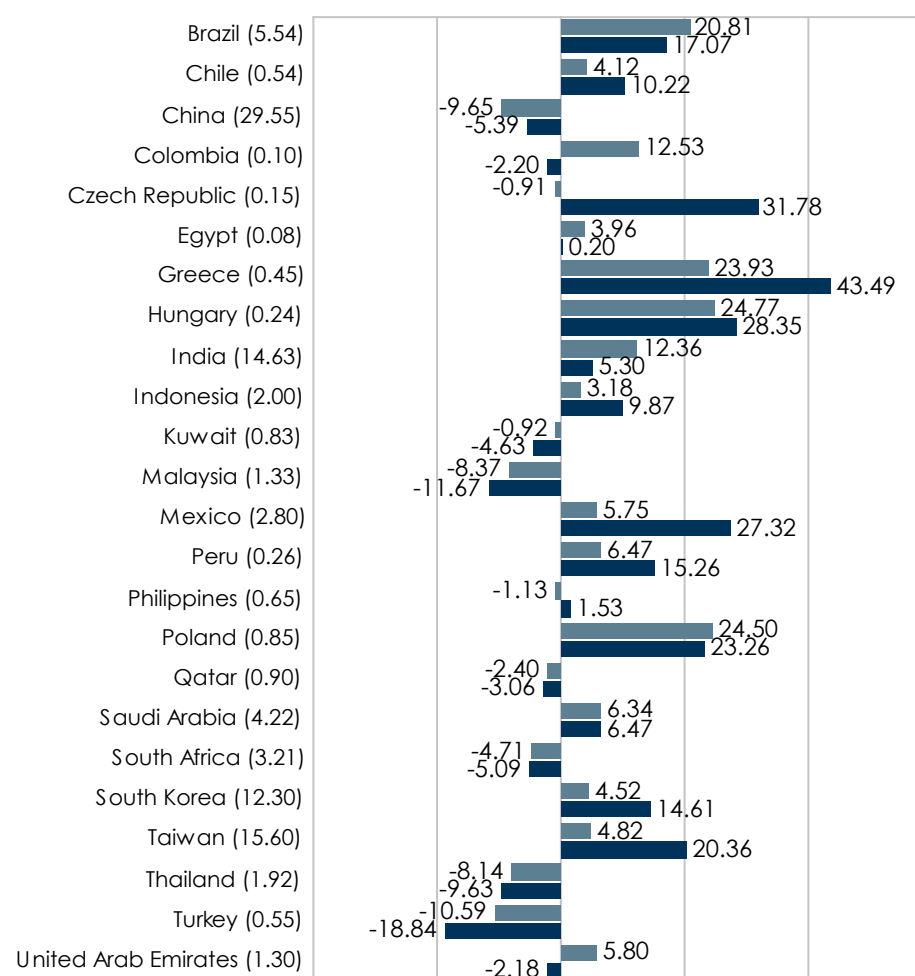
Emerging Markets - Performance Breakdown

For the Periods Ending June 30, 2023

MSCI Emerging Markets - Sector Returns (%)



MSCI Emerging Markets - Country Returns (%)



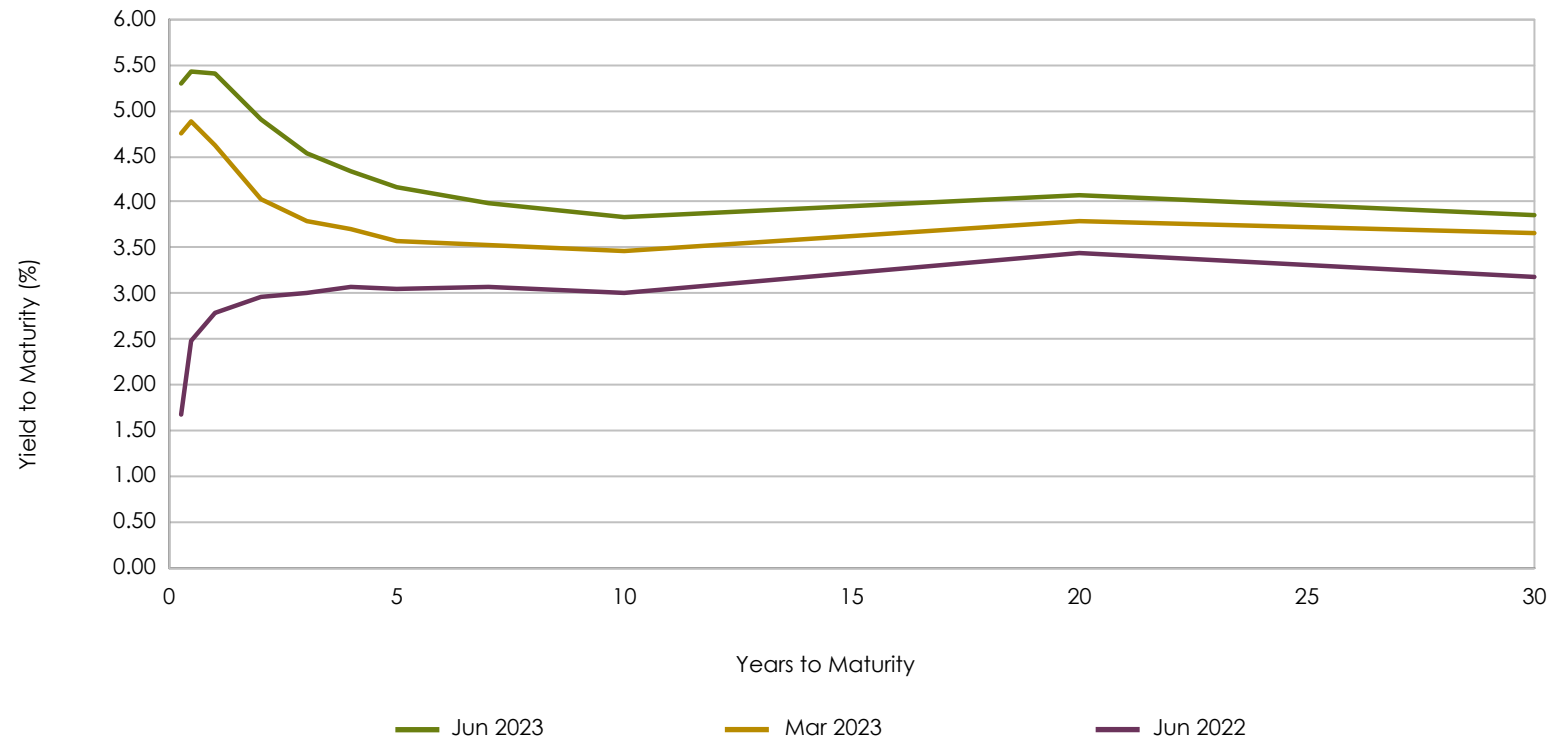
Numbers in parenthesis represent sector or country weights of the index. Sector or country weights may not add to 100% due to rounding.

Source: ACG Research, Bloomberg

© 2023 Asset Consulting Group All Rights Reserved

Interest Rate Term Structure

Government Issues - 3 Months to 30 Years Maturity

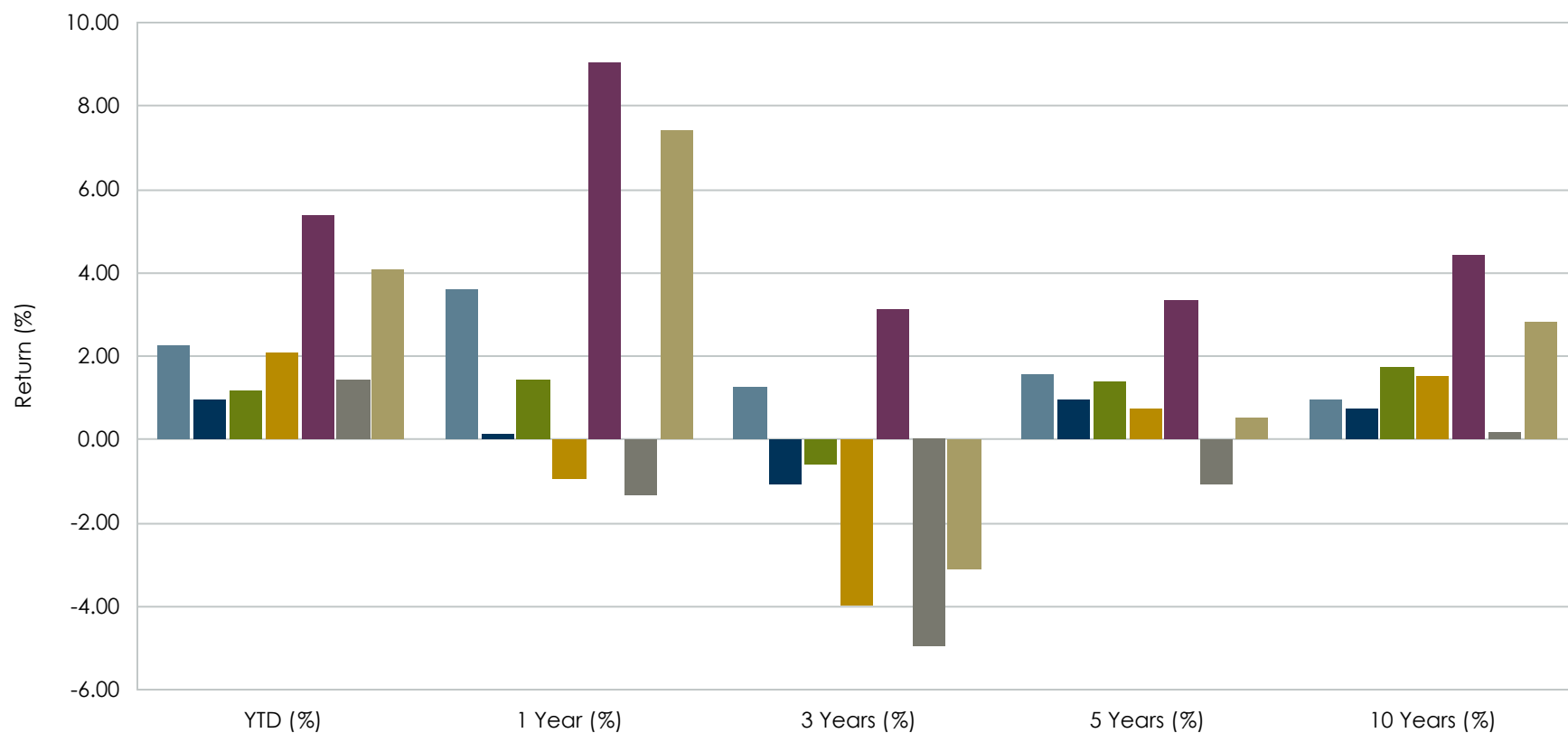


90 Days	5.30	4.75	1.67
180 Days	5.43	4.88	2.49
1 Year	5.42	4.62	2.78
2 Years	4.90	4.03	2.96
3 Years	4.53	3.79	3.01
4 Years	4.33	3.70	3.07
5 Years	4.16	3.58	3.04
7 Years	4.00	3.54	3.07
10 Years	3.84	3.47	3.02
20 Years	4.07	3.80	3.44
30 Years	3.86	3.65	3.18

Source: Bloomberg

Fixed Income Index Returns

For the Periods Ending June 30, 2023



US T-Bills 90 Day	2.25	3.59	1.27	1.55	0.98
ICE BofA ML 1-3 Yr Treasury	0.98	0.13	-1.05	0.95	0.77
Bloomberg 5 Yr Municipal	1.19	1.45	-0.61	1.41	1.74
Bloomberg US Aggregate	2.09	-0.94	-3.96	0.77	1.52
Bloomberg US Corp High Yield	5.38	9.06	3.13	3.36	4.43
Bloomberg Global Aggregate	1.43	-1.32	-4.96	-1.09	0.20
JPM EMBI Global Diversified	4.09	7.39	-3.10	0.55	2.83

US Fixed Income Market Environment

For the Periods Ending June 30, 2023

Nominal Returns By Sector (%)

	<u>3 Months</u>	<u>YTD</u>	<u>1 Year</u>	<u>3 Years</u>
US Aggregate	-0.84	2.09	-0.95	-3.97
US Treasury	-1.37	1.59	-2.12	-4.79
US Agg: Gov't-Related	-0.47	2.40	0.24	-2.85
US Corporate IG	-0.28	3.21	1.56	-3.44
MBS	-0.64	1.87	-1.52	-3.72
CMBS	-0.61	1.19	-1.71	-2.89
ABS	-0.11	1.75	1.20	-0.61
US Corp High Yield	1.74	5.37	9.07	3.14

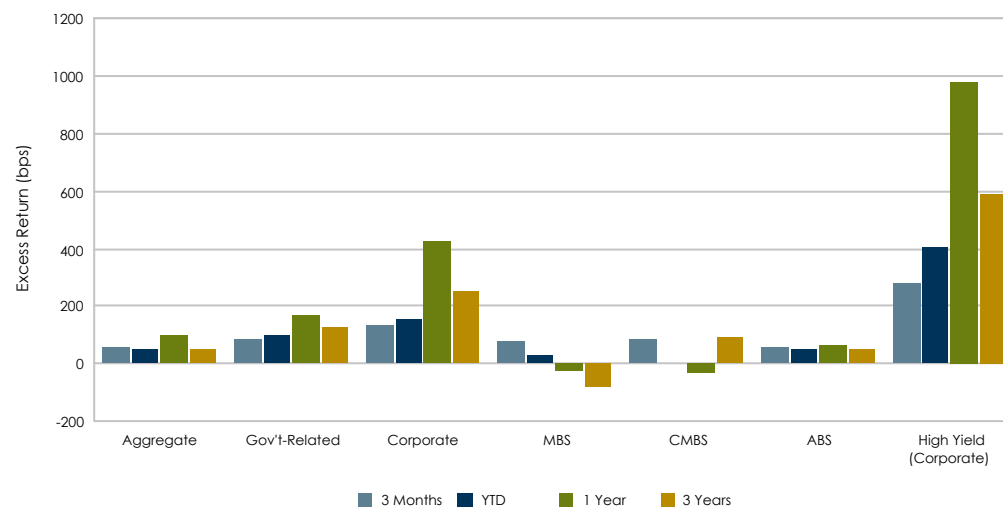
Nominal Returns by Quality (%)

	<u>3 Months</u>	<u>YTD</u>	<u>1 Year</u>	<u>3 Years</u>
AAA	-1.06	1.69	-1.81	-4.24
AA	-0.66	2.76	-0.35	-4.03
A	-0.39	2.91	0.74	-3.94
BAA	-0.04	3.53	2.61	-2.71
BA	0.89	4.35	8.07	2.30
B	1.90	5.42	9.89	3.14
CAA	4.17	9.33	9.42	5.45

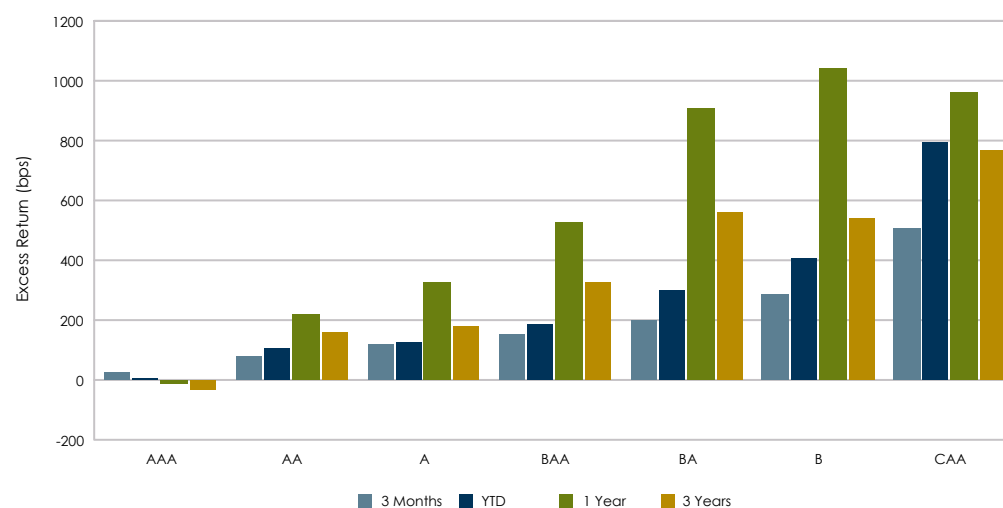
Nominal Returns by Maturity (%)

	<u>3 Months</u>	<u>YTD</u>	<u>1 Year</u>	<u>3 Years</u>
1-3 Yr.	-0.36	1.15	0.53	-0.92
3-5 Yr.	-0.94	1.27	-0.44	-2.53
5-7 Yr.	-1.07	1.68	-1.08	-3.51
7-10 Yr.	-0.78	2.10	-1.55	-4.71
10+ Yr.	-1.47	4.05	-2.97	-8.71

Excess Returns by Sector



Excess Returns by Quality



Source: Bloomberg

Excess returns are relative to the duration-neutral Treasury.

© 2023 Asset Consulting Group All Rights Reserved

Monthly Index Returns

For the Periods Ending June 30, 2023

Index Name	3 Months (%)	YTD (%)	1 Year (%)	3 Years (%)	5 Years (%)	7 Years (%)	10 Years (%)
Equity							
S&P 500	8.74	16.89	19.59	14.60	12.31	13.38	12.86
Russell 1000	8.58	16.68	19.36	14.09	11.92	13.15	12.64
Russell 1000 Growth	12.81	29.02	27.11	13.73	15.14	16.91	15.74
Russell 1000 Value	4.07	5.12	11.54	14.30	8.11	8.94	9.22
Russell 2500	5.22	8.79	13.58	12.29	6.55	9.71	9.38
Russell 2000	5.21	8.09	12.31	10.82	4.21	8.76	8.26
Russell 2000 Growth	7.05	13.55	18.53	6.10	4.22	9.31	8.83
Russell 2000 Value	3.18	2.50	6.01	15.43	3.54	7.70	7.29
Wilshire 5000 Cap Wtd	8.44	16.34	19.06	15.64	12.49	13.64	12.93
MSCI ACWI	6.35	14.26	17.13	11.51	8.64	10.50	9.31
MSCI ACWI ex US	2.67	9.86	13.33	7.75	4.01	6.83	5.24
MSCI EAFE	3.22	12.13	19.41	9.48	4.90	7.40	5.91
MSCI EAFE Local Currency	4.56	12.56	18.12	12.29	6.94	9.01	8.18
MSCI EAFE Growth	2.94	14.47	20.61	6.62	5.80	7.79	6.81
MSCI EAFE Value	3.54	9.89	18.25	12.08	3.59	6.68	4.76
MSCI Emerging Markets	1.04	5.10	2.22	2.72	1.32	5.34	3.33
Fixed Income							
ICE BofA ML 1-3 Yr Treasury	-0.57	0.98	0.13	-1.05	0.95	0.67	0.77
Bloomberg 5 Yr Municipal	-0.72	1.19	1.45	-0.61	1.41	1.11	1.74
Bloomberg US Aggregate	-0.84	2.09	-0.94	-3.96	0.77	0.44	1.52
Bloomberg Gov't Bond	-1.35	1.59	-2.08	-4.71	0.46	-0.07	0.97
Bloomberg US Credit	-0.31	3.13	1.39	-3.38	1.65	1.35	2.51
Bloomberg 10 Yr Municipal	-0.59	2.16	4.03	-0.23	2.29	1.69	2.92
Bloomberg US Corp High Yield	1.75	5.38	9.06	3.13	3.36	4.53	4.43
FTSE World Govt Bond	-1.79	1.66	-2.49	-6.49	-2.04	-1.79	-0.48
Bloomberg Global Aggregate	-1.53	1.43	-1.32	-4.96	-1.09	-0.90	0.20
Bloomberg Multiverse	-1.39	1.59	-0.82	-4.67	-0.94	-0.68	0.35
JPM EMBI Global Diversified	2.19	4.09	7.39	-3.10	0.55	1.01	2.82
Real Assets							
NCREIF Property	0.00	-1.81	-4.71	7.51	6.33	6.55	8.04
NFI ODCE Net	-2.84	-6.12	-10.70	7.06	5.57	6.03	7.78
FTSE NAREIT Equity REITs	2.62	5.37	-0.13	8.91	4.55	3.49	6.42
Bloomberg Commodity	-2.56	-7.79	-9.61	17.82	4.73	3.41	-0.99
Cash and Equivalents							
US T-Bills 90 Day	1.17	2.25	3.59	1.27	1.55	1.37	0.98

Monthly Index Returns

For the Periods Ending July 31, 2023

Index Name	1 Month (%)	YTD (%)	1 Year (%)	3 Years (%)	5 Years (%)	7 Years (%)	10 Years (%)
Equity							
S&P 500	3.21	20.65	13.02	13.72	12.20	13.31	12.66
Russell 1000	3.44	20.69	12.95	13.22	11.92	13.09	12.44
Russell 1000 Growth	3.37	33.36	17.31	12.19	15.23	16.69	15.53
Russell 1000 Value	3.52	8.82	8.28	14.14	8.01	9.04	9.02
Russell 2500	4.97	14.20	8.05	12.64	7.18	9.67	9.22
Russell 2000	6.12	14.70	7.91	12.01	5.09	8.78	8.17
Russell 2000 Growth	4.68	18.86	11.58	6.52	4.82	9.03	8.54
Russell 2000 Value	7.55	10.24	3.94	17.46	4.69	8.01	7.40
Wilshire 5000 Cap Wtd	3.58	20.51	12.58	14.87	12.51	13.59	12.73
MSCI ACWI	3.69	18.48	13.49	10.93	8.77	10.40	9.20
MSCI ACWI ex US	4.10	14.36	14.03	7.61	4.35	6.70	5.21
MSCI EAFE	3.25	15.77	17.42	9.79	5.06	7.13	5.70
MSCI EAFE Local Currency	1.68	14.45	14.17	13.59	6.73	8.55	7.91
MSCI EAFE Growth	1.97	16.73	13.95	5.75	5.78	7.36	6.53
MSCI EAFE Value	4.57	14.91	21.11	13.68	3.92	6.58	4.63
MSCI Emerging Markets	6.29	11.71	8.83	1.85	2.10	5.51	3.85
Fixed Income							
ICE BofA ML 1-3 Yr Treasury	0.36	1.34	0.16	-0.96	1.02	0.73	0.78
Bloomberg Municipal	0.40	3.08	0.93	-1.00	1.87	1.51	2.81
Bloomberg US Aggregate	-0.07	2.02	-3.37	-4.46	0.75	0.34	1.50
Bloomberg Gov't Bond	-0.34	1.24	-3.93	-5.17	0.48	-0.18	0.94
Bloomberg US Credit	0.31	3.45	-1.29	-4.26	1.57	1.20	2.47
Bloomberg 10 Yr Municipal	0.45	2.62	1.52	-0.66	2.30	1.75	3.01
Bloomberg US Corp High Yield	1.38	6.83	4.41	2.04	3.42	4.34	4.38
FTSE World Govt Bond	0.33	2.00	-3.87	-7.49	-1.89	-1.82	-0.58
Bloomberg Global Aggregate	0.69	2.13	-2.70	-5.74	-0.92	-0.91	0.14
Bloomberg Multiverse	0.76	2.36	-2.21	-5.45	-0.78	-0.69	0.30
Real Assets							
Bloomberg Commodity	6.26	-2.02	-7.88	18.02	6.47	5.10	-0.52
Cash and Equivalents							
US T-Bills 90 Day	0.40	2.66	3.95	1.40	1.60	1.42	1.02

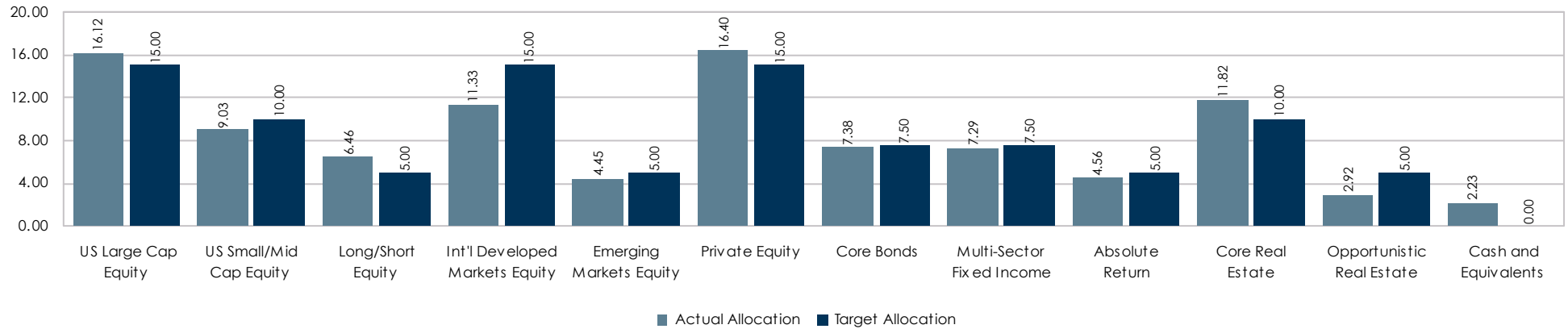
Total Portfolio Summary

Total Portfolio
Dollar Reconciliation (\$000s)
For the Periods Ending June 30, 2023

	3 Months	YTD	FYTD	3 Years	5 Years	10 Years
Beginning Market Value	2,984,121	2,939,579	3,012,989	2,601,626	2,539,695	1,968,204
Net Additions	-20,824	-39,189	-87,225	-300,282	-414,358	-679,444
Return on Investment	55,489	118,395	93,021	717,441	893,449	1,730,026
Ending Market Value	3,018,786	3,018,786	3,018,786	3,018,786	3,018,786	3,018,786

Total Portfolio

For the Period Ending June 30, 2023

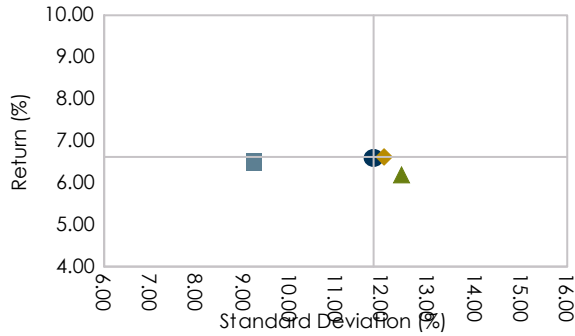


	Market Value (\$000s)	Actual Allocation (%)	Target Allocation (%)	Over/Under Target (%)	Range Min-Max (%)
Total Portfolio	3,018,786	100.00	100.00		
Equity	1,925,625	63.79	65.00	-1.21	55.00 - 75.00
US Large Cap Equity	486,714	16.12	15.00	1.12	10.00 - 20.00
US Small/Mid Cap Equity	272,483	9.03	10.00	-0.97	5.00 - 15.00
Long/Short Equity	195,027	6.46	5.00	1.46	0.00 - 10.00
Int'l Developed Markets Equity	342,146	11.33	15.00	-3.67	10.00 - 20.00
Emerging Markets Equity	134,215	4.45	5.00	-0.55	0.00 - 10.00
Private Equity	495,040	16.40	15.00	1.40	5.00 - 20.00
Fixed Income	580,592	19.23	20.00	-0.77	10.00 - 30.00
Core Bonds	222,807	7.38	7.50	-0.12	2.50 - 12.50
Multi-Sector Fixed Income	220,155	7.29	7.50	-0.21	2.50 - 12.50
Absolute Return	137,629	4.56	5.00	-0.44	0.00 - 10.00
Real Assets	445,250	14.75	15.00	-0.25	10.00 - 20.00
Core Real Estate	356,970	11.82	10.00	1.82	5.00 - 15.00
Opportunistic Real Estate	88,280	2.92	5.00	-2.08	0.00 - 10.00
Cash and Equivalents	67,319	2.23	0.00	2.23	

Total Portfolio

For the Periods Ending June 30, 2023

5 Year Risk / Return



■ Total Portfolio
● Total Fund Policy
▲ IM TF Between 55 - 70% Equity
◆ IM Public DB Gross

5 Year Relative Statistics

Total Fund Policy	
Beta	0.75
Up Capture (%)	77.04
Down Capture (%)	74.74

3 Months

	Return (%)	Rank	Std Dev (%)	Sharpe Ratio
Total Portfolio	1.87	98/93	--	--
Total Fund Policy	3.57	--	--	--
IM TF Between 55 - 70% Equity	3.55	--	--	--
IM Public DB Gross	3.23	--	--	--

FYTD

Total Portfolio	3.14	99/99	9.17	-0.06
Total Fund Policy	9.33		14.20	0.40
IM TF Between 55 - 70% Equity	9.87		13.91	0.46
IM Public DB Gross	9.15		13.13	0.43

3 Years

Total Portfolio	8.57	20/26	8.82	0.83
Total Fund Policy	7.57		11.88	0.53
IM TF Between 55 - 70% Equity	7.21		12.04	0.48
IM Public DB Gross	7.58		11.78	0.54

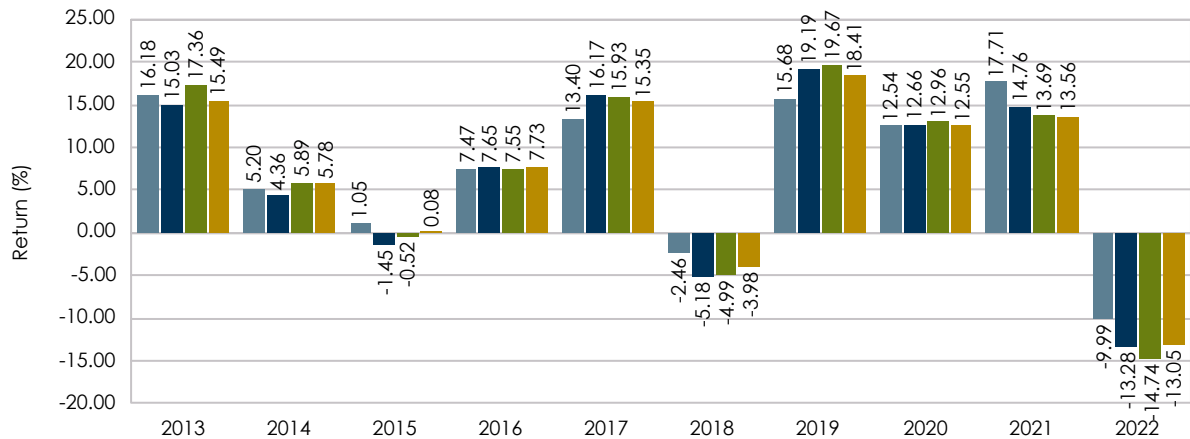
5 Years

Total Portfolio	6.50	38/56	9.23	0.54
Total Fund Policy	6.62		11.80	0.43
IM TF Between 55 - 70% Equity	6.20		12.42	0.38
IM Public DB Gross	6.62		12.05	0.42

10 Years

Total Portfolio	7.13	48/60	7.48	0.83
Total Fund Policy	6.98		9.50	0.64
IM TF Between 55 - 70% Equity	7.06		9.87	0.61
IM Public DB Gross	7.30		9.59	0.67

Calendar Year Returns

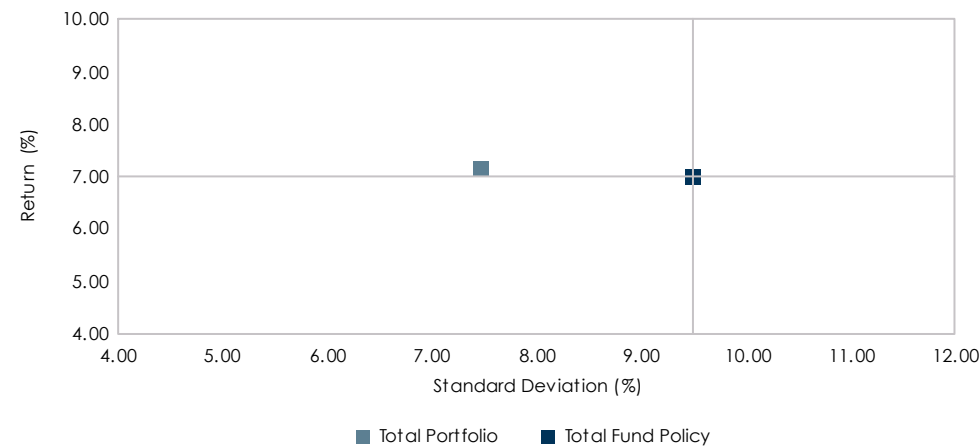


The rankings represent the portfolio's returns versus a peer universe. The rankings are on a scale of 1 to 100 with 1 being the best.

Total Portfolio

For the Periods Ending June 30, 2023

10 Year Risk / Return



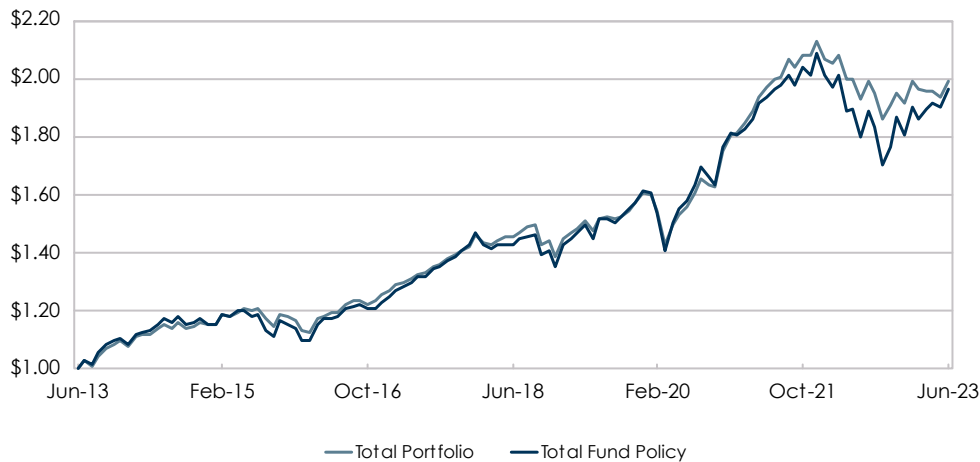
10 Year Portfolio Statistics

	Total Portfolio	Total Fund Policy
Return (%)	7.13	6.98
Standard Deviation (%)	7.48	9.50
Sharpe Ratio	0.83	0.64

Benchmark Relative Statistics

Beta	0.76
Up Capture (%)	80.98
Down Capture (%)	72.43

10 Year Growth of a Dollar

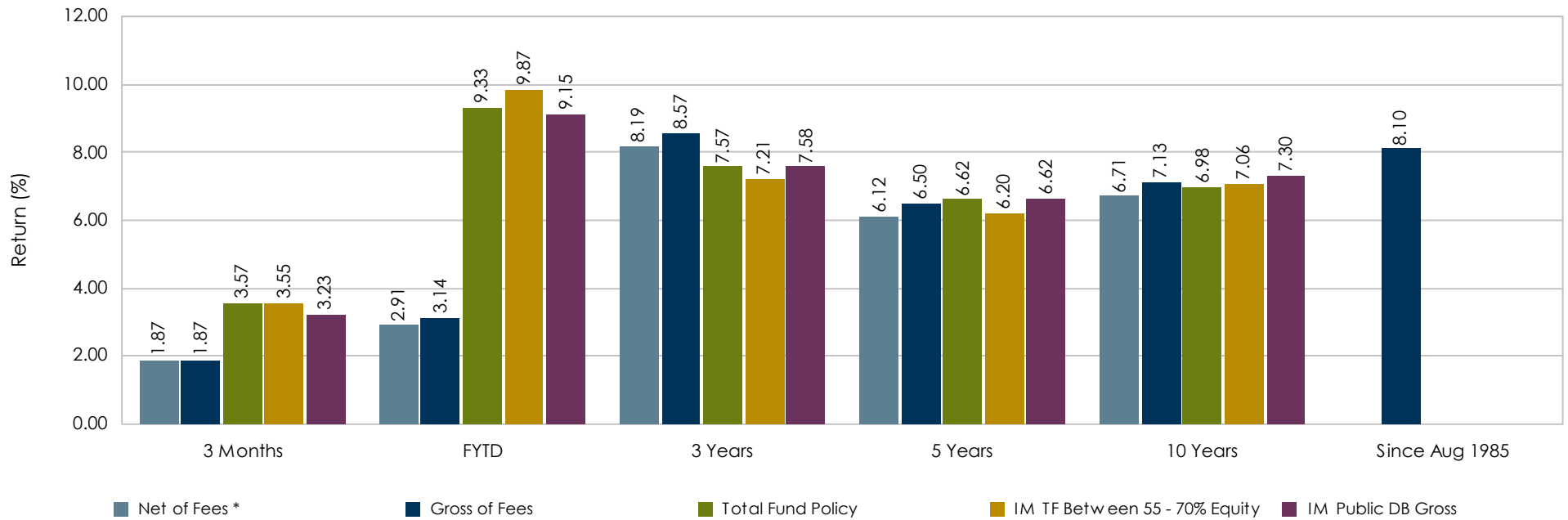


10 Year Return Analysis

	Total Portfolio	Total Fund Policy
Number of Months	120	120
Highest Monthly Return (%)	7.46	7.74
Lowest Monthly Return (%)	-7.75	-8.44
Number of Positive Months	81	79
Number of Negative Months	39	41
% of Positive Months	67.50	65.83

Total Portfolio

For the Periods Ending June 30, 2023



Ranking	98 / 93	99 / 99	20 / 26	38 / 56	48 / 60
5th Percentile	4.74 / 4.49	12.49 / 11.91	9.63 / 10.18	7.74 / 7.98	8.58 / 8.50
25th Percentile	3.96 / 3.72	10.88 / 10.24	8.28 / 8.58	6.79 / 7.09	7.67 / 7.87
50th Percentile	3.55 / 3.23	9.87 / 9.15	7.21 / 7.58	6.20 / 6.62	7.06 / 7.30
75th Percentile	3.09 / 2.71	8.98 / 7.91	6.21 / 6.55	5.54 / 5.72	6.44 / 6.81
95th Percentile	2.23 / 1.49	7.34 / 5.29	4.38 / 5.03	4.49 / 4.76	5.43 / 5.74
Observations	605 / 251	596 / 246	573 / 241	534 / 232	414 / 198

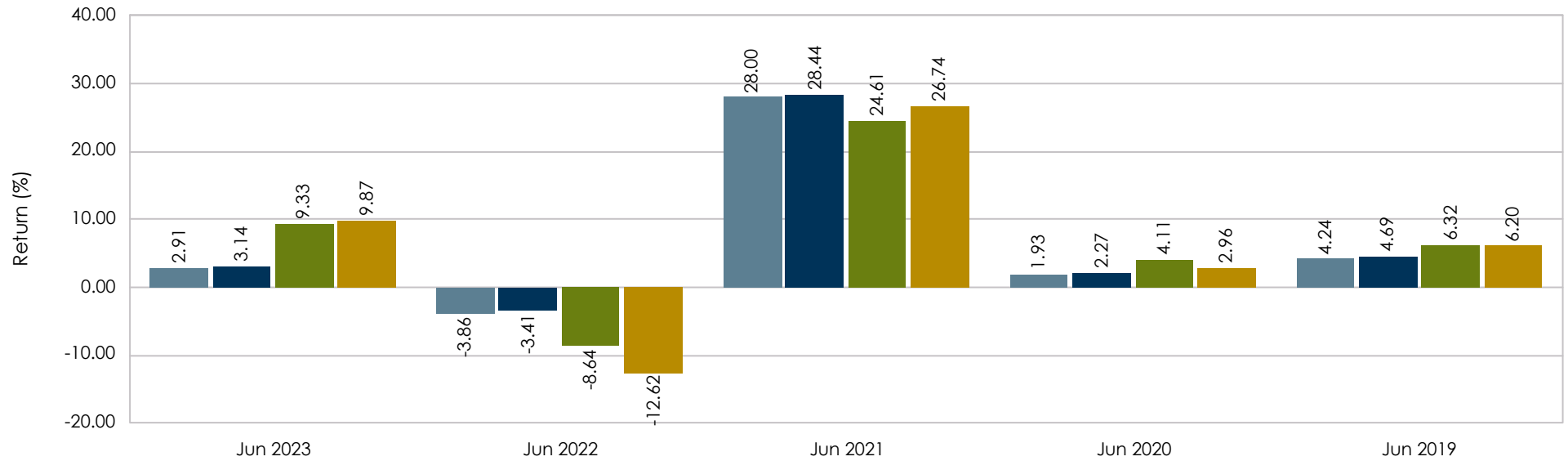
The rankings represent the portfolio's returns versus a peer universe. The rankings are on a scale of 1 to 100 with 1 being the best.

* Performance is calculated using net of fee returns.

© 2023 Asset Consulting Group All Rights Reserved

Total Portfolio

For the One Year Periods Ending June



	Net of Fees *	Gross Of Fees	Total Fund Policy	IM TF Between 55 - 70% Equity	
Ranking	99	2	26	65	84
5th Percentile	12.49	-7.55	31.47	6.93	8.31
25th Percentile	10.88	-10.34	28.60	4.25	6.96
50th Percentile	9.87	-12.62	26.74	2.96	6.20
75th Percentile	8.98	-14.24	24.98	1.66	5.22
95th Percentile	7.34	-16.20	22.14	-0.64	3.59
Observations	596	656	653	641	620

The rankings represent the portfolio's returns versus a peer universe. The rankings are on a scale of 1 to 100 with 1 being the best.

* Performance is calculated using net of fee returns.

Rates of Return Summary & Universe Rankings

For the Periods Ending June 30, 2023

	Market Value (\$000s)	Actual Allocation (%)	3 Months (%)	Rank	FYTD (%)	Rank	3 Years (%)	Rank	5 Years (%)	Rank	10 Years (%)	Rank	Since Incp (%)
Total Portfolio * (06/05) ¹	3,018,786	100.00	1.87		2.91		8.19		6.12		6.71		6.35
Total Portfolio (08/85)			1.87	98 / 93	3.14	99 / 99	8.57	20 / 26	6.50	38 / 56	7.13	48 / 60	8.10
<i>Total Fund Policy ²</i>			3.57		9.33		7.57		6.62		6.98		--
IM TF Between 55 - 70% Equity			3.55		9.87		7.21		6.20		7.06		--
IM Public DB Gross			3.23		9.15		7.58		6.62		7.30		--
Equity (01/98)	1,925,625	63.79	3.89		7.12		12.31		8.86		9.44		7.16
MSCI ACWI			6.35		17.13		11.51		8.64		9.31		6.83
US Large Cap Equity	486,714	16.12											
Northern Trust Russell 1000 Index (08/98) ³	486,714	16.12	8.58	29	19.36	32	14.10	47	11.93	43	12.65	43	7.89
Russell 1000			8.58		19.36		14.09		11.92		12.64		7.83
eA US Large Cap Core Equity			7.46		17.45		13.97		11.63		12.44		--
US Small/Mid Cap Equity	272,483	9.03											
Boston Partners (01/98)	145,926	4.83	3.78	72 / 56	10.24	72 / 64	19.65	28 / 36	6.68	75 / 47	9.24	70 / 50	9.22
Russell 2500 Value			4.37		10.37		16.07		5.32		8.02		8.40
eA US Mid Cap Value Equity			4.57		13.38		17.45		8.14		10.03		--
eA US Small Cap Value Equity			4.05		12.53		18.18		6.52		9.20		--
Silvercrest (02/14)	126,557	4.19	5.04	67	19.90	29	12.97	19	9.79	26	--		9.99
Russell 2000 Growth			7.05		18.53		6.10		4.22		8.83		7.32
eA US Small Cap Growth Equity			5.94		17.28		8.93		8.56		11.37		--
Long/Short Equity * (05/12)	195,027	6.46	6.11		13.01		3.01		3.56		4.90		5.20
K2 Ascent LLC * (04/20)	194,550	6.44	6.11		13.11		2.76		--		--		7.04
MSCI ACWI			6.35		17.13		11.51		8.64		9.31		16.78
HFRI FOF: Strategic			1.95		4.15		4.33		2.66		3.35		7.35
Grosvenor Long/Short Equity * (12/10)	478	0.02	4.03		-4.57		4.98		4.00		5.16		5.02
MSCI ACWI			6.35		17.13		11.51		8.64		9.31		9.20
HFRI FOF: Strategic			1.95		4.15		4.33		2.66		3.35		2.99

FYTD: Fiscal year ending June.

* Net of fee return data.

© 2023 Asset Consulting Group All Rights Reserved

Rates of Return Summary & Universe Rankings

For the Periods Ending June 30, 2023

	Market Value (\$000s)	Actual Allocation (%)	3 Months (%)	Rank	FYTD (%)	Rank	3 Years (%)	Rank	5 Years (%)	Rank	10 Years (%)	Rank	Since Incp (%)
International Developed Market	342,146	11.33											
Mondrian International (05/04)	166,213	5.51	3.17	57	13.46	93	10.79	61	3.74	74	5.10	74	5.89
<i>MSCI EAFE Value</i>			3.54		18.25		12.08		3.59		4.76		5.18
<i>eA EAFE All Cap Value Equity</i>			3.33		19.30		11.37		4.59		5.76		--
Barings Focused EAFE Plus Equity (03/12)	175,932	5.83	2.77	58	17.13	55	6.31	87	3.67	76	5.80	70	5.21
<i>MSCI EAFE NetDiv</i>			2.95		18.77		8.93		4.39		5.41		5.61
<i>eA EAFE All Cap Equity</i>			3.10		17.70		9.29		4.67		6.31		--
Emerging Markets Equity	134,215	4.45											
Wasatch Emerging Markets (09/12)	50,275	1.67	4.76	20	11.99	25	7.28	34	7.95	7	5.88	19	6.33
<i>MSCI EM SC</i>			6.53		13.93		14.28		5.40		5.02		5.35
<i>eA Global Emerging Mkts Equity</i>			2.16		6.57		4.47		2.82		4.39		--
Axiom Emerging Markets (08/22)	83,941	2.78	-1.24	95	--	--	--	--	--	--	--	--	-3.53
<i>MSCI Emerging Markets</i>			1.04		2.22		2.72		1.32		3.33		2.38
<i>eA Global Emerging Mkts Equity</i>			2.16		6.57		4.47		2.82		4.39		--
Private Equity * (07/03)	495,040	16.40	-0.07		-11.51		24.39		17.52		14.12		13.16
Fixed Income (01/98)	580,592	19.23	0.43		2.23		0.13		1.90		2.58		4.91
<i>Bloomberg Universal</i>			-0.59		-0.04		-3.43		0.98		1.80		4.19
Core Bonds	222,807	7.38											
Agincourt Core Fixed Income (10/99)	222,807	7.38	-0.51	30	-0.21	49	-3.64	77	1.32	49	2.01	53	4.38
<i>Bloomberg US Aggregate</i>			-0.84		-0.94		-3.96		0.77		1.52		3.94
<i>eA US Core Fixed Income</i>			-0.63		-0.22		-3.32		1.31		2.03		--
Multi Sector Fixed Income	220,155	7.29											
Multi Sector Fixed Income													
Oaktree Global Credit Fund (02/98)	132,829	4.40	2.43		8.87		5.30		3.20		4.32		6.26
<i>Custom Blended Index ⁴</i>			2.38		9.96		3.84		2.77		2.52		4.34

FYTD: Fiscal year ending June.

* Net of fee return data.

© 2023 Asset Consulting Group All Rights Reserved

Rates of Return Summary & Universe Rankings

For the Periods Ending June 30, 2023

	Market Value (\$000s)	Actual Allocation (%)	3 Months (%)	Rank	FYTD (%)	Rank	3 Years (%)	Rank	5 Years (%)	Rank	10 Years (%)	Rank	Since Incp (%)
Loomis Sayles (06/08)	64,336	2.13	-1.44	86	-1.44	87	-5.30	91	-1.03	84	0.42	79	1.89
FTSE World Govt Bond			-1.79		-2.49		-6.49		-2.04		-0.48		0.71
eA All Global Fixed Income			0.38		3.09		-0.83		1.54		2.16		--
Private Credit (10/16)	22,991	0.76	6.76		1.01		9.55		8.15		--		8.47
Absolute Return	137,629	4.56											
PAAMCO (10/02)	2,766	0.09	1.56		3.06		7.25		3.80		3.50		4.76
Bloomberg US Aggregate			-0.84		-0.94		-3.96		0.77		1.52		3.17
HFRI FOF: Conservative			1.05		3.68		6.08		3.93		3.47		3.32
Wellington Global Total Return (12/16)	72,888	2.41	-0.25	78	1.96	80	2.53	16	3.13	19	--		3.26
Bloomberg US Aggregate			-0.84		-0.94		-3.96		0.77		1.52		0.89
eA Global Unconstrained Fixed Income			0.57		4.04		0.78		2.06		2.31		--
TCW MetWest Unconstrained Bond Fund (01/21)	61,976	2.05	0.32	58	3.75	58	--		--		--		-0.63
Bloomberg US Aggregate			-0.84		-0.94		-3.96		0.77		1.52		-5.23
eA Global Unconstrained Fixed Income			0.57		4.04		0.78		2.06		2.31		--
Real Assets (01/98)	445,250	14.75	-4.22		-9.55		7.90		5.19		5.87		5.71
Real Assets Blended Index ⁵			-2.84		-10.70		7.06		4.54		3.62		5.81
Core Real Estate	356,970	11.82											
JP Morgan Strategic Property (12/07)	176,786	5.86	-1.57		-10.41		7.20		5.82		8.31		5.85
NFI ODCE Net			-2.84		-10.70		7.06		5.57		7.78		4.77
NCREIF Property			0.00		-4.71		7.51		6.33		8.04		6.38
Blackstone Property Partners (01/15)	180,185	5.97	-7.00		-11.32		7.52		6.72		--		9.55
NFI ODCE Net			-2.84		-10.70		7.06		5.57		7.78		7.04
NCREIF Property			0.00		-4.71		7.51		6.33		8.04		7.45

Rates of Return Summary & Universe Rankings

For the Periods Ending June 30, 2023

	Market Value (\$000s)	Actual Allocation (%)	3 Months (%)	Rank	FYTD (%)	Rank	3 Years (%)	Rank	5 Years (%)	Rank	10 Years (%)	Rank	Since Incp (%)
Opportunistic Real Estate	88,280	2.92											
Private Real Estate (08/11)	84,123	2.79	-3.94		-4.26		11.12		9.71		10.65		9.28
Private Real Estate Direct													
Columbus Square (01/98)	4,157	0.14	3.10		9.46		0.47		2.51		5.20		11.19
NCREIF Property			0.00		-4.71		7.51		6.33		8.04		8.78
NFI ODCE Net			-2.84		-10.70		7.06		5.57		7.78		7.46
Cash and Equivalents	67,319	2.23											

Notes:

¹ Total Fund Policy Index history available in appendix.² Total Fund Policy: Effective April 2021, the index consists of 65.00% MSCI ACWI, 20.00% Bloomberg Universal, 15.00% NFI ODCE Net.³ Performance data prior to October 31, 2014 is reflective of the Mellon Capital Passive Index fund.⁴ Custom Blended Index: Effective November 2018, the index consists of 50.00% ICE BofA ML Global HY Const, 50.00% CSFB Leveraged Loan.⁵ Real Assets Blended Index: Effective September 2019, the index consists of 100.0% NFI ODCE Net.

Page intentionally left blank.

Equity Manager Performance

Northern Trust Russell 1000 Index

For the Periods Ending June 30, 2023

Account Description

- **Strategy** US Large Cap Core
- **Vehicle** Non-Mutual Commingled
- **Benchmark** Russell 1000
- **Performance Inception Date** August 1998
- **Fees** 1 bp

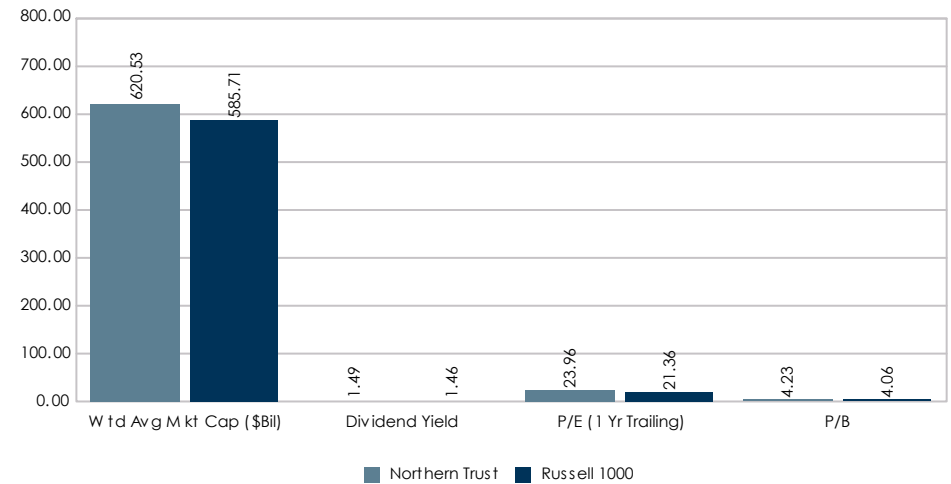
Performance Goals

- Mirror the risk/return profile of the Russell 1000.
- Over rolling three year periods, rank above the median in the eA US Large Cap Core Equity universe.

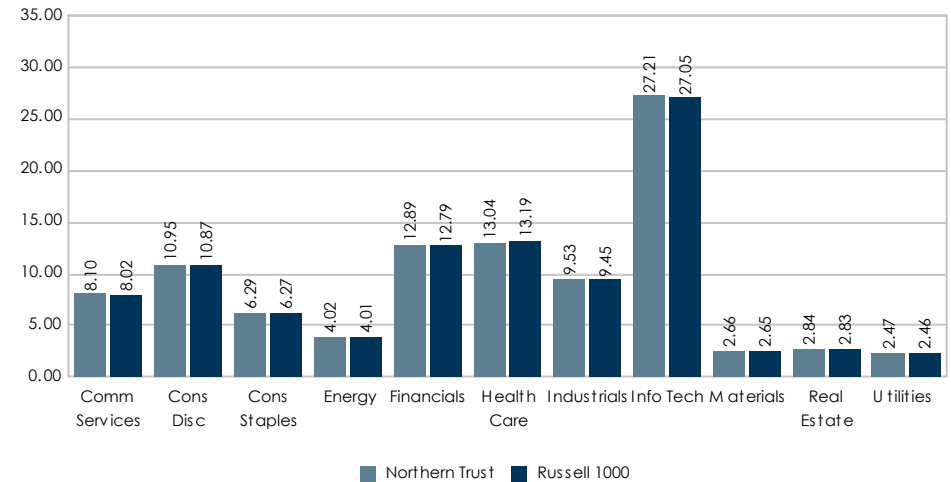
Dollar Growth Summary (\$000s)

	3 Months	FYTD
Beginning Market Value	483,081	453,788
Net Additions	-35,012	-50,045
Return on Investment	38,645	82,971
Ending Market Value	486,714	486,714

Characteristics



Sector Allocation



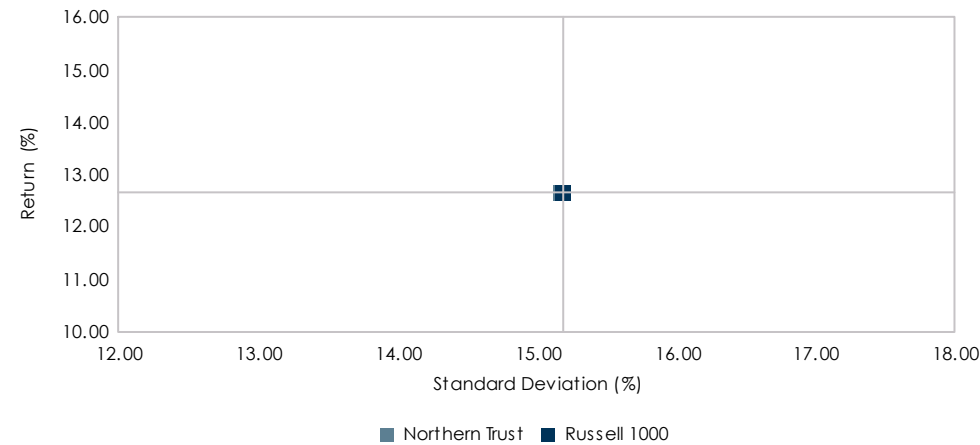
Characteristic and allocation charts represents data of the NorthernTrust Russell 1000 Index Fund (Non-Mutual Commingled).

Sector weights may not add to 100% due to securities that are not assigned to a Global Industry Classification Standard (GICS) sector.

Northern Trust Russell 1000 Index

For the Periods Ending June 30, 2023

10 Year Risk / Return



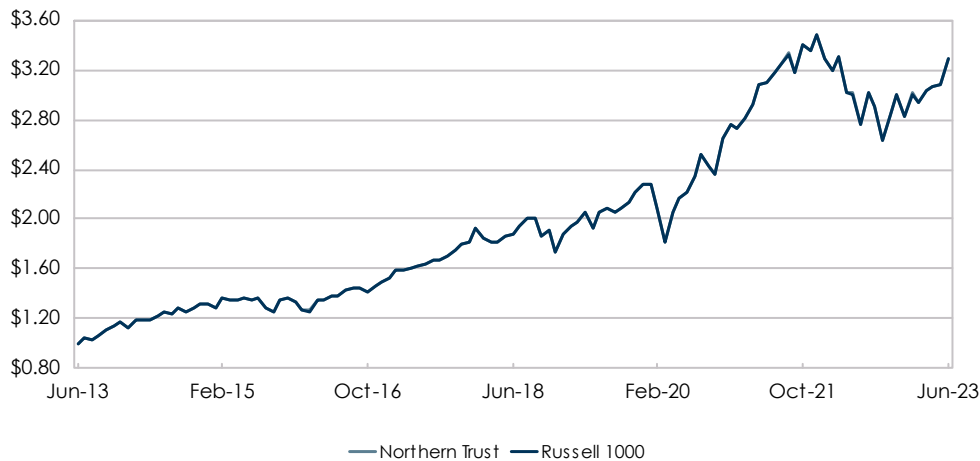
10 Year Portfolio Statistics

	Northern Trust	Russell 1000
Return (%)	12.65	12.64
Standard Deviation (%)	15.18	15.19
Sharpe Ratio	0.77	0.77

Benchmark Relative Statistics

Beta	1.00
R Squared (%)	100.00
Alpha (%)	0.01
Tracking Error (%)	0.02
Batting Average (%)	51.67
Up Capture (%)	99.99
Down Capture (%)	99.96

10 Year Growth of a Dollar

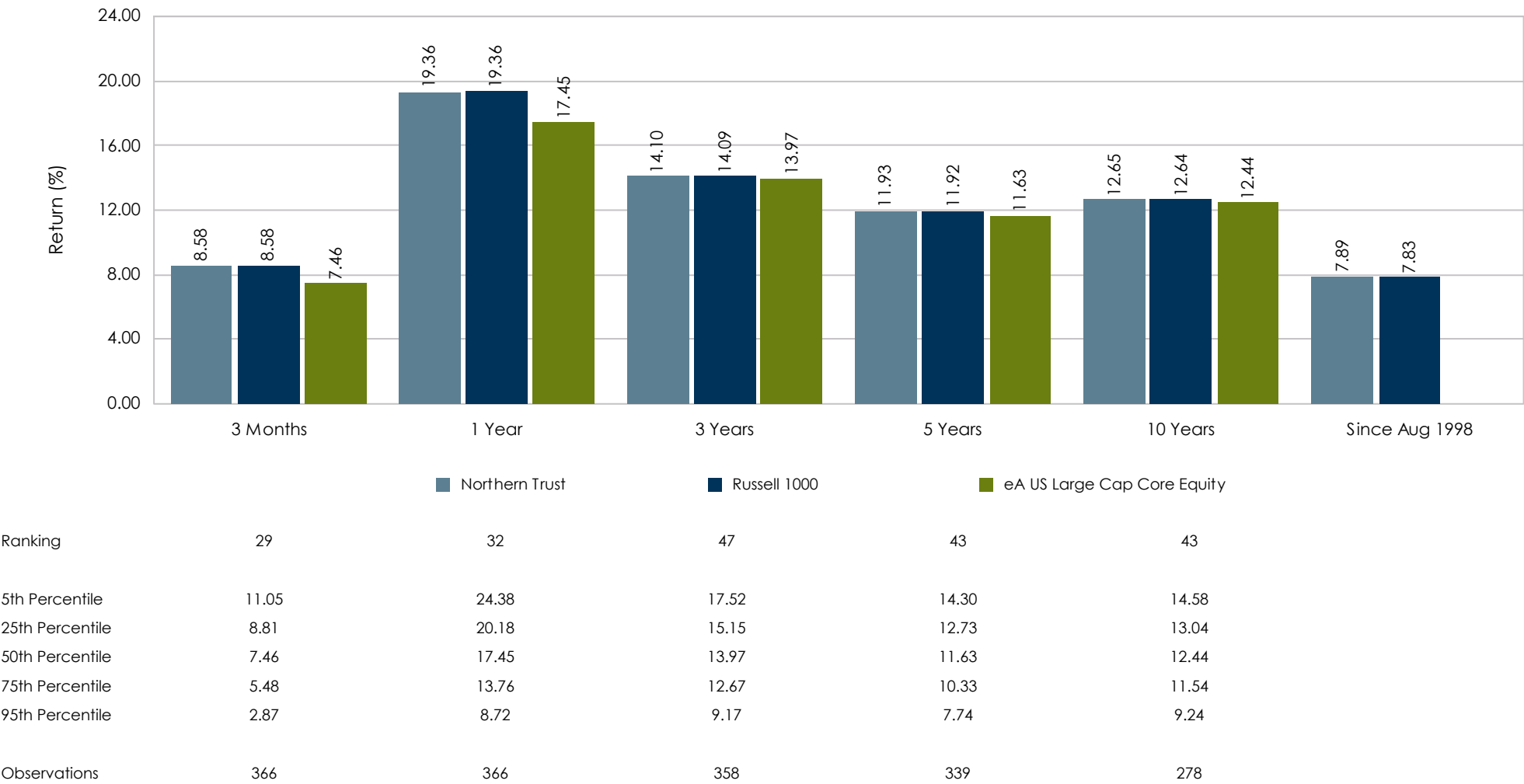


10 Year Return Analysis

	Northern Trust	Russell 1000
Number of Months	120	120
Highest Monthly Return (%)	13.21	13.21
Lowest Monthly Return (%)	-13.21	-13.21
Number of Positive Months	84	84
Number of Negative Months	36	36
% of Positive Months	70.00	70.00

Northern Trust Russell 1000 Index

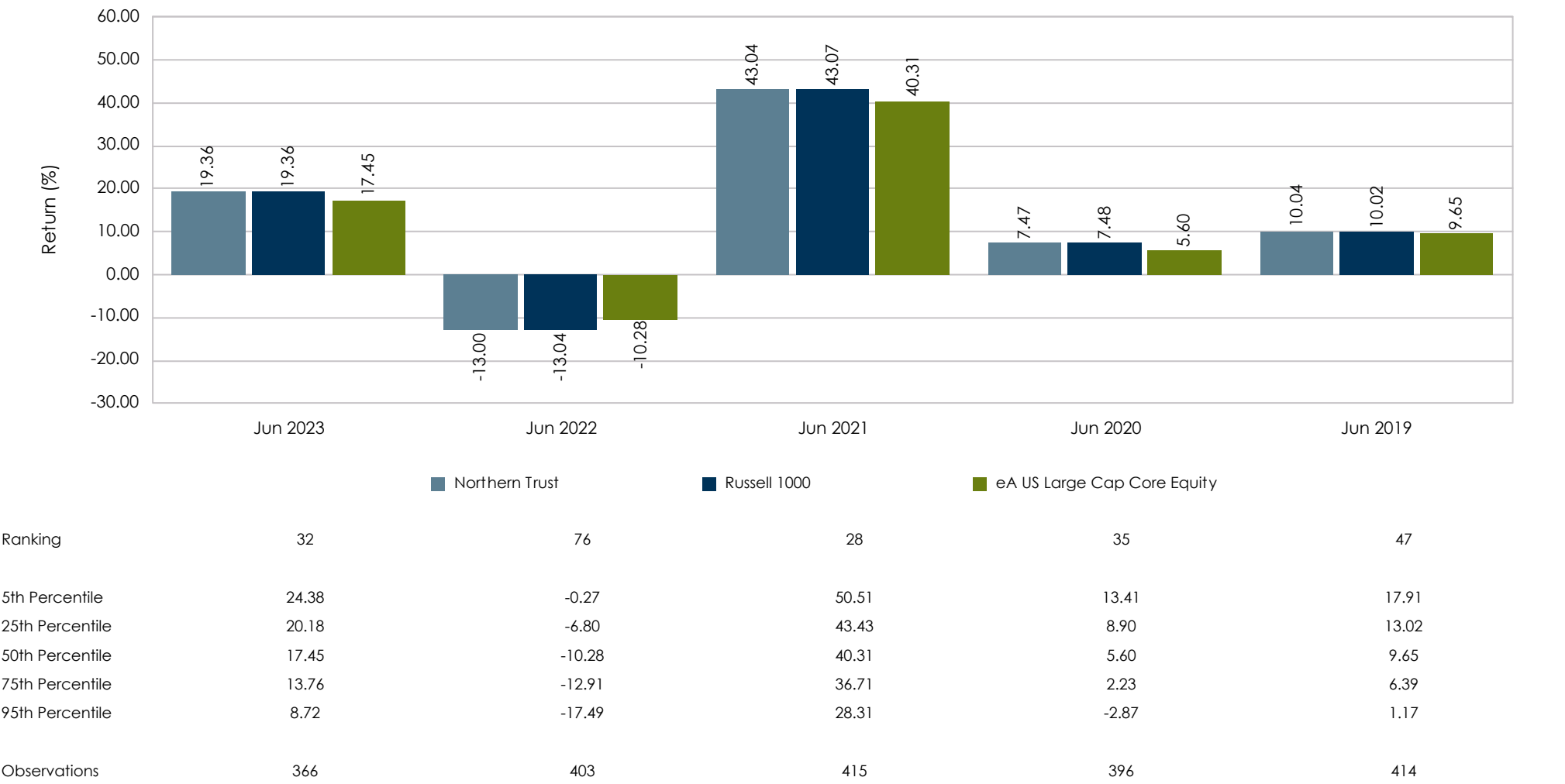
For the Periods Ending June 30, 2023



The rankings represent the portfolio's returns versus a peer universe. The rankings are on a scale of 1 to 100 with 1 being the best.

Northern Trust Russell 1000 Index

For the One Year Periods Ending June



The rankings represent the portfolio's returns versus a peer universe. The rankings are on a scale of 1 to 100 with 1 being the best.

Boston Partners

For the Periods Ending June 30, 2023

Account Description

- **Strategy** US Small/Mid Cap Value
- **Vehicle** Separately Managed Account
- **Benchmarks** Russell 2500 Value and Russell 2000 Value
- **Performance Inception Date** January 1998
- **Fees** 60 bps base fee with annual performance fee

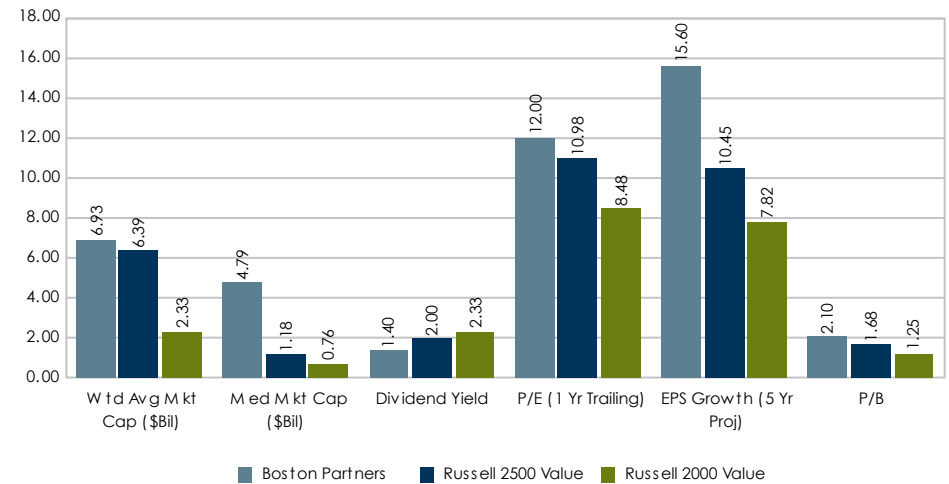
Performance Goals

- Outperform the Russell 2500 Value and Russell 2000 Value.
- Over rolling three year periods, rank above the median in the eA US Mid Cap Value Equity universe.

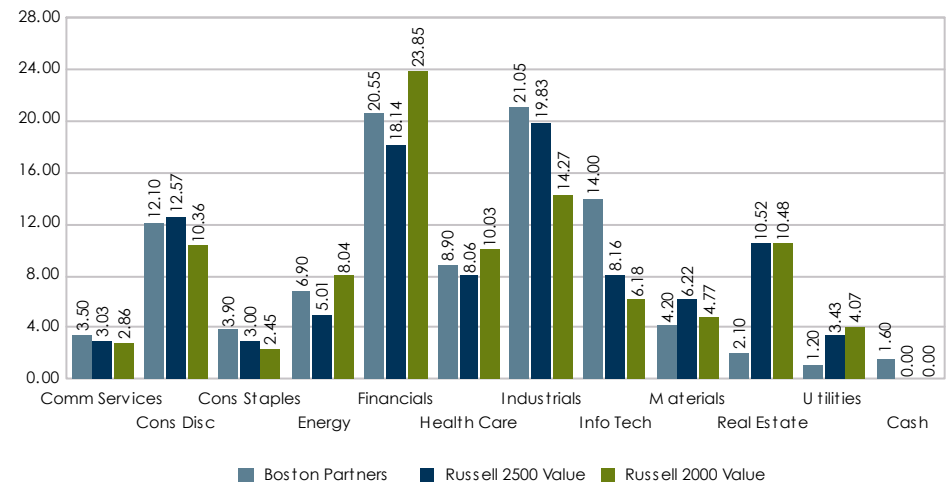
Dollar Growth Summary (\$000s)

	3 Months	FYTD
Beginning Market Value	141,039	133,308
Net Additions	-413	-985
Return on Investment	5,300	13,603
Income	585	2,703
Gain/Loss	4,715	10,899
Ending Market Value	145,926	145,926

Characteristics



Sector Allocation

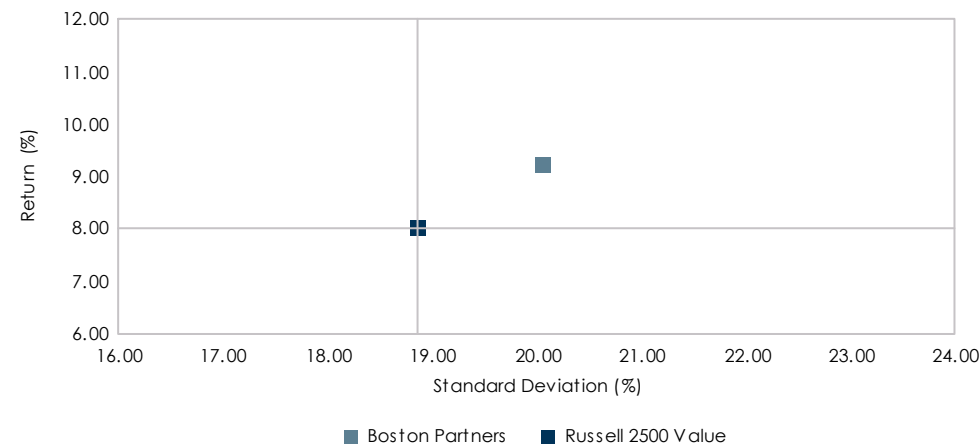


Sector weights may not add to 100% due to securities that are not assigned to a Global Industry Classification Standard (GICS) sector.

Boston Partners

For the Periods Ending June 30, 2023

10 Year Risk / Return



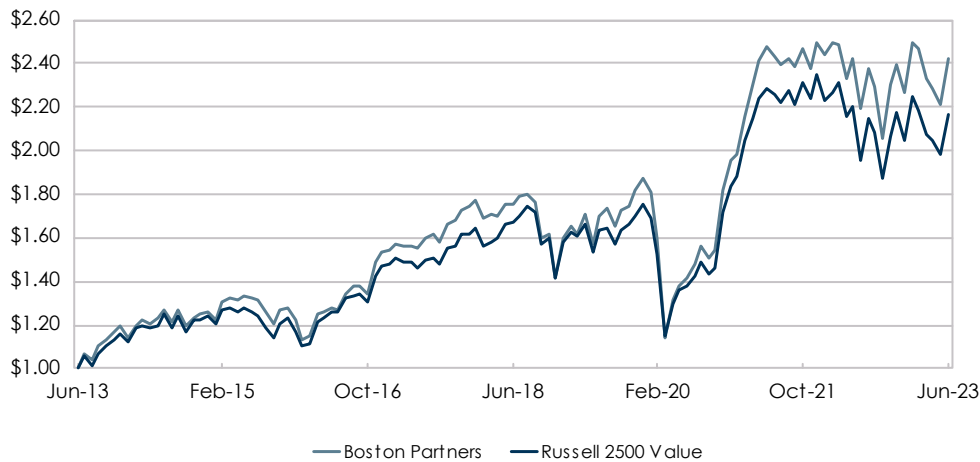
10 Year Portfolio Statistics

	Boston Partners	Russell 2500 Value
Return (%)	9.24	8.02
Standard Deviation (%)	20.07	18.87
Sharpe Ratio	0.41	0.38

Benchmark Relative Statistics

Beta	1.05
R Squared (%)	96.93
Alpha (%)	0.94
Tracking Error (%)	3.62
Batting Average (%)	56.67
Up Capture (%)	106.14
Down Capture (%)	100.97

10 Year Growth of a Dollar

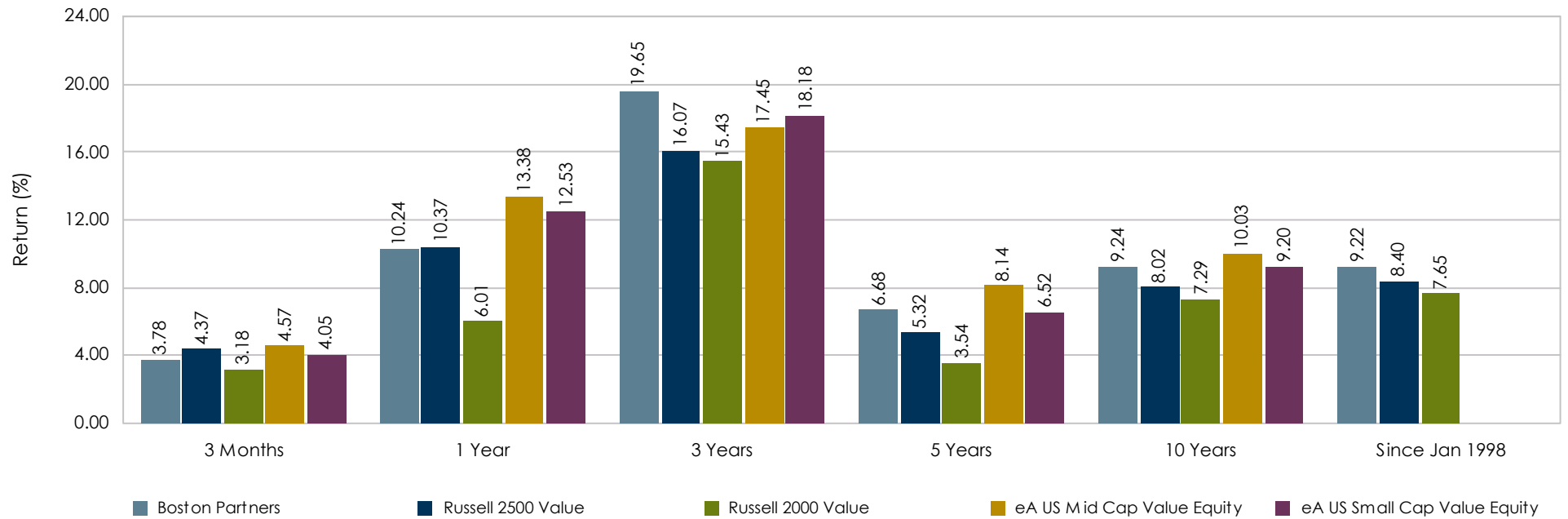


10 Year Return Analysis

	Boston Partners	Russell 2500 Value
Number of Months	120	120
Highest Monthly Return (%)	17.70	17.50
Lowest Monthly Return (%)	-28.24	-24.93
Number of Positive Months	73	77
Number of Negative Months	47	43
% of Positive Months	60.83	64.17

Boston Partners

For the Periods Ending June 30, 2023

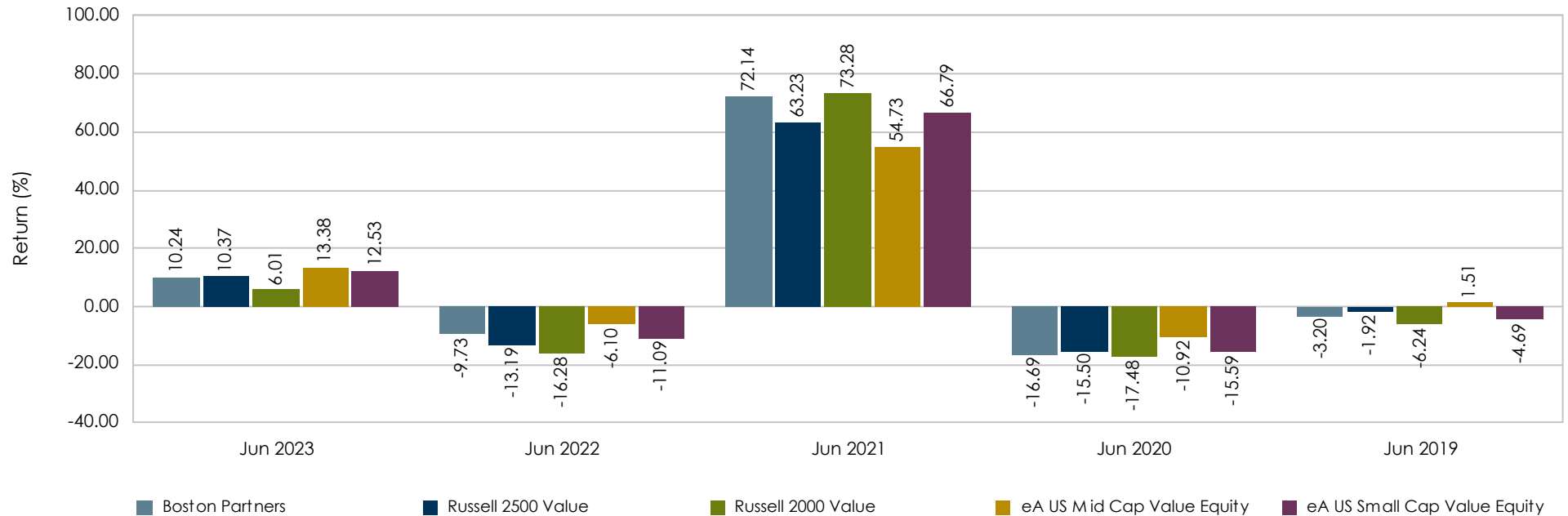


Ranking	72 / 56	72 / 64	28 / 36	75 / 47	70 / 50
5th Percentile	7.89 / 8.67	22.63 / 24.87	25.15 / 27.35	11.21 / 11.27	12.83 / 11.71
25th Percentile	5.66 / 5.82	16.24 / 17.77	19.92 / 21.57	9.66 / 7.96	10.72 / 10.40
50th Percentile	4.57 / 4.05	13.38 / 12.53	17.45 / 18.18	8.14 / 6.52	10.03 / 9.20
75th Percentile	3.39 / 2.46	9.25 / 8.50	15.28 / 16.26	6.65 / 5.06	8.99 / 8.25
95th Percentile	1.35 / 0.27	4.40 / 4.68	12.07 / 12.31	4.30 / 2.77	7.42 / 6.70
Observations	90 / 212	90 / 212	87 / 209	82 / 201	76 / 178

The rankings represent the portfolio's returns versus a peer universe. The rankings are on a scale of 1 to 100 with 1 being the best.

Boston Partners

For the One Year Periods Ending June



Ranking	72 / 64	80 / 35	5 / 38	82 / 58	85 / 39
5th Percentile	22.63 / 24.87	-1.06 / -3.72	72.07 / 96.49	-0.09 / -3.11	11.81 / 7.37
25th Percentile	16.24 / 17.77	-3.89 / -8.43	59.44 / 76.42	-7.32 / -11.56	5.56 / -1.05
50th Percentile	13.38 / 12.53	-6.10 / -11.09	54.73 / 66.79	-10.92 / -15.59	1.51 / -4.69
75th Percentile	9.25 / 8.50	-9.35 / -14.46	50.02 / 57.79	-14.99 / -18.77	-1.10 / -8.15
95th Percentile	4.40 / 4.68	-13.90 / -21.48	39.23 / 46.01	-21.97 / -23.67	-5.77 / -13.36
Observations	90 / 212	94 / 226	93 / 235	94 / 239	104 / 249

The rankings represent the portfolio's returns versus a peer universe. The rankings are on a scale of 1 to 100 with 1 being the best.

Silvercrest

For the Periods Ending June 30, 2023

Account Description

- **Strategy** US Small/Mid Cap Growth
- **Vehicle** Separately Managed Account
- **Benchmark** Russell 2000 Growth
- **Performance Inception Date** February 2014
- **Fees** First \$20M at 80 bps, next \$30M at 72 bps, next \$50M at 64 bps, balance at 56 bps

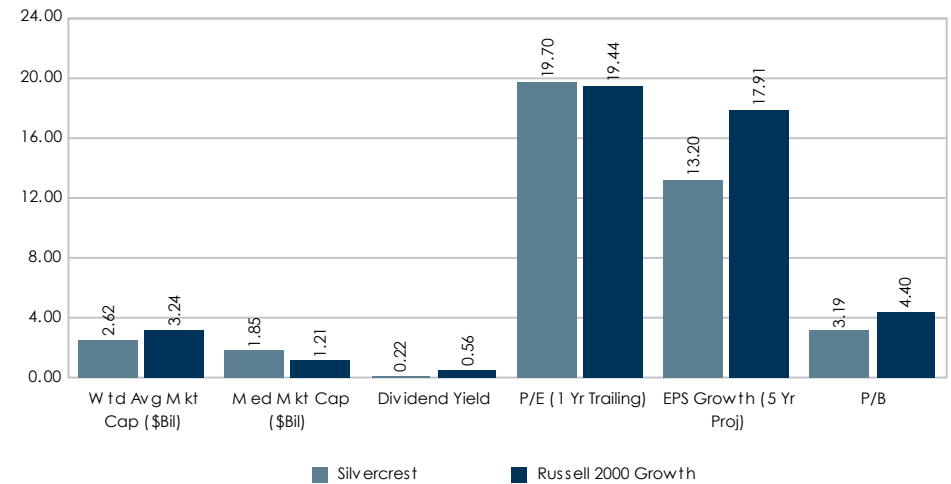
Performance Goals

- Outperform the Russell 2000 Growth.
- Over rolling three year periods, rank above median in the eA US Small Cap Growth Equity universe.

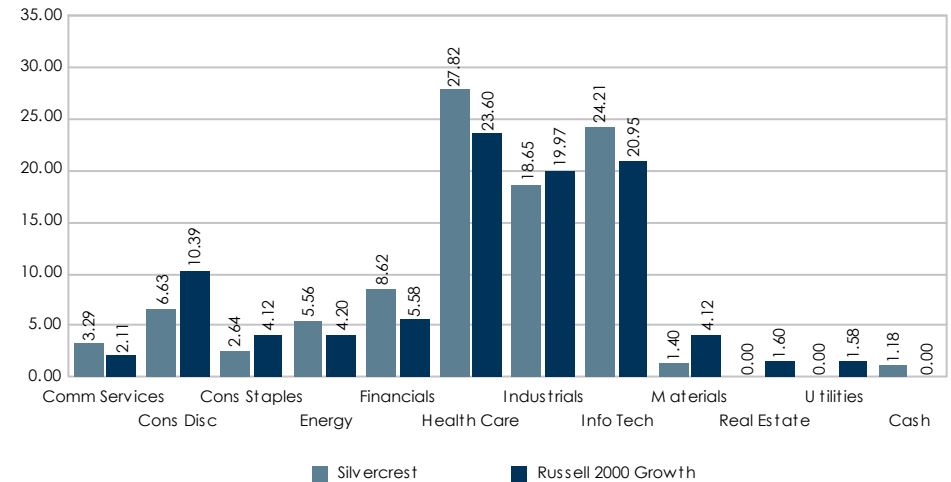
Dollar Growth Summary (\$000s)

	3 Months	FYTD
Beginning Market Value	120,691	106,275
Net Additions	-200	-819
Return on Investment	6,067	21,101
Income	158	737
Gain/Loss	5,909	20,365
Ending Market Value	126,557	126,557

Characteristics



Sector Allocation

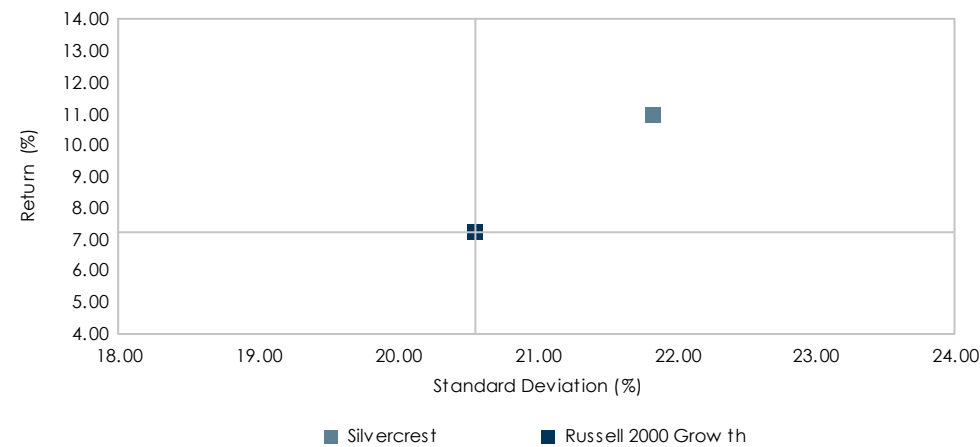


Sector weights may not add to 100% due to securities that are not assigned to a Global Industry Classification Standard (GICS) sector.

Silvercrest

For the Periods Ending June 30, 2023

9 Year Risk / Return



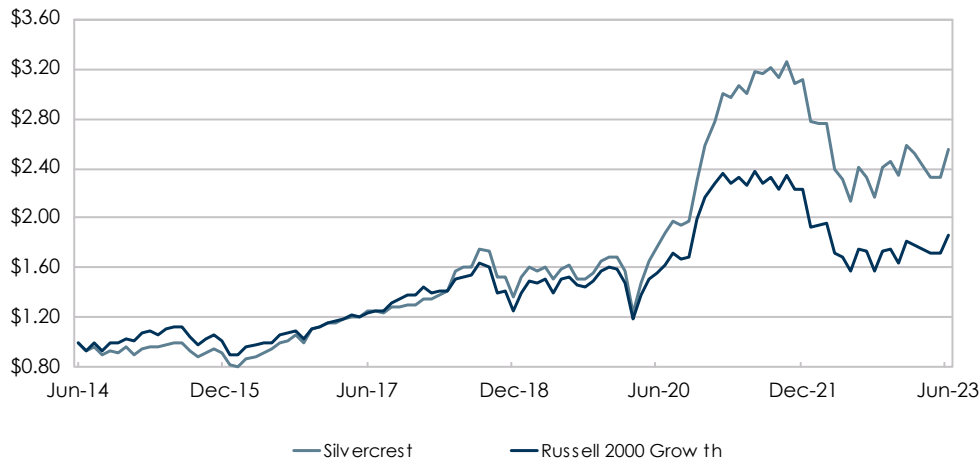
9 Year Portfolio Statistics

	Silvercrest	Russell 2000 Growth
Return (%)	10.97	7.20
Standard Deviation (%)	21.84	20.57
Sharpe Ratio	0.45	0.30

Benchmark Relative Statistics

Beta	1.02
R Squared (%)	92.11
Alpha (%)	3.62
Tracking Error (%)	6.15
Batting Average (%)	59.26
Up Capture (%)	110.29
Down Capture (%)	96.79

9 Year Growth of a Dollar

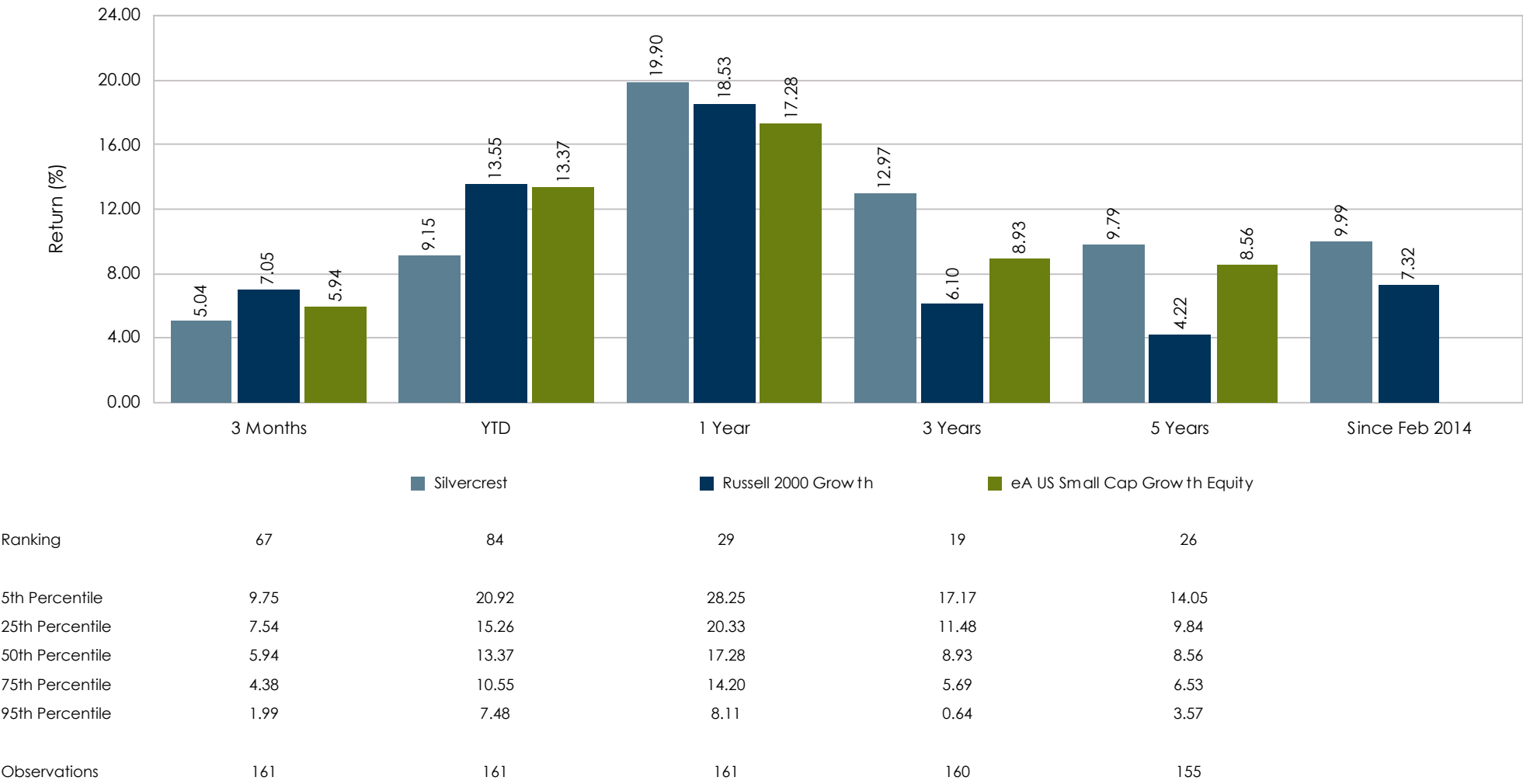


9 Year Return Analysis

	Silvercrest	Russell 2000 Growth
Number of Months	108	108
Highest Monthly Return (%)	19.44	17.63
Lowest Monthly Return (%)	-21.44	-19.10
Number of Positive Months	66	68
Number of Negative Months	42	40
% of Positive Months	61.11	62.96

Silvercrest

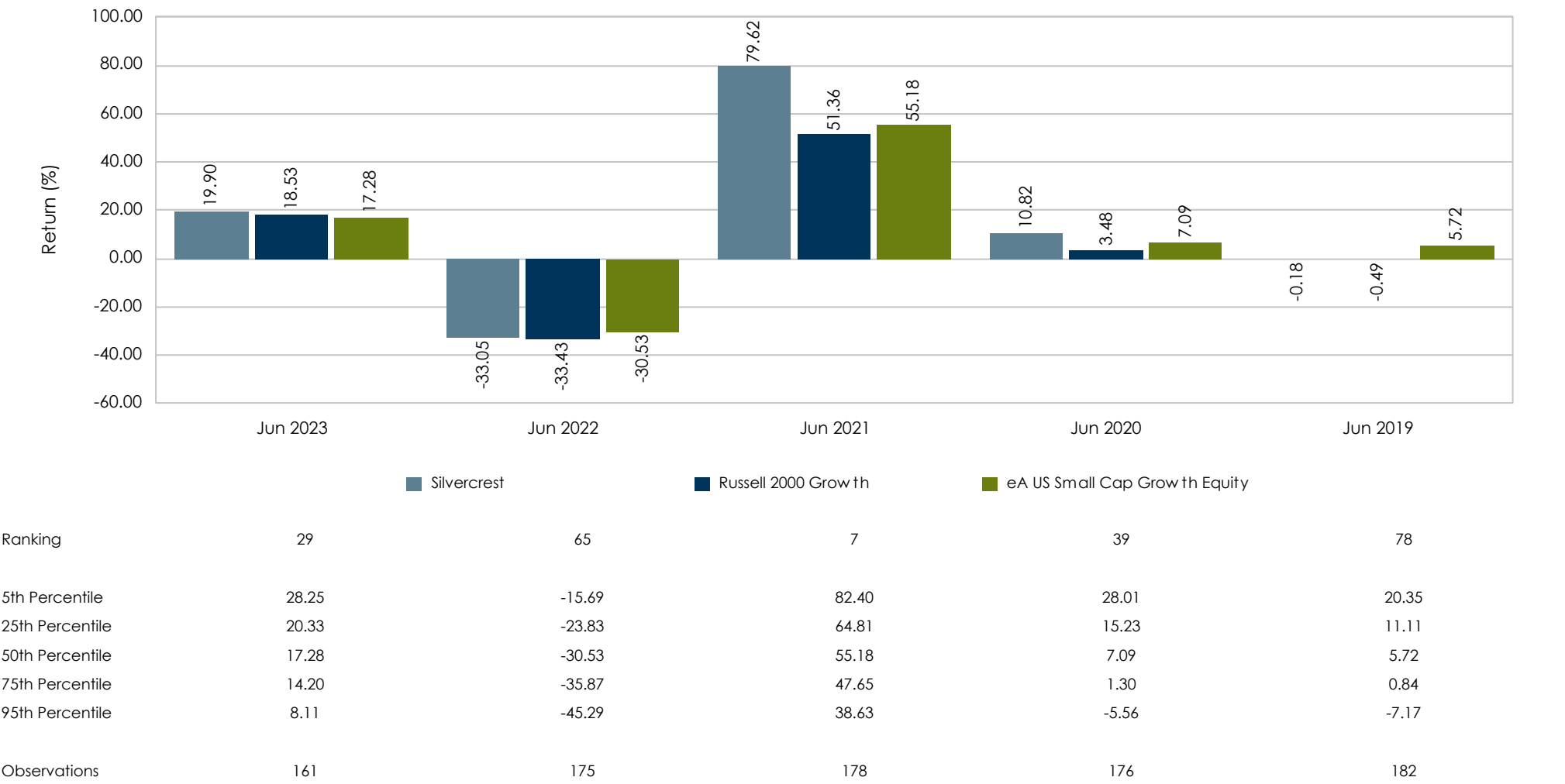
For the Periods Ending June 30, 2023



The rankings represent the portfolio's returns versus a peer universe. The rankings are on a scale of 1 to 100 with 1 being the best.

Silvercrest

For the One Year Periods Ending June



The rankings represent the portfolio's returns versus a peer universe. The rankings are on a scale of 1 to 100 with 1 being the best.

K2 Ascent LLC

For the Periods Ending June 30, 2023

Account Description

- **Strategy** Long/Short Equity
- **Benchmarks** MSCI ACWI and HFRI FOF: Strategic
- **Performance Inception Date** April 2020
- **Vehicle** Non-Mutual Commingled
- **Fees** 20 bps

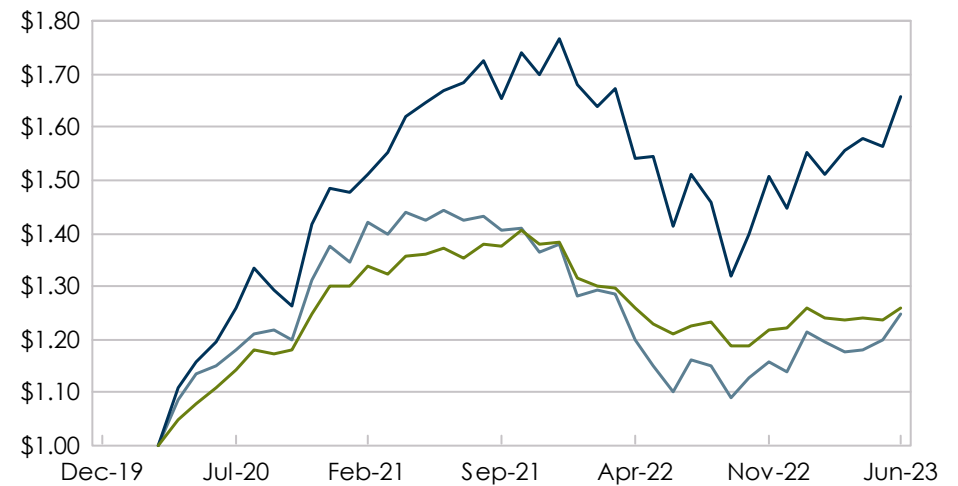
Performance Goals

- Perform similar to the broad Global Equity Markets as measured by the MSCI ACWI index.
- Exhibit annualized volatility of approximately two-thirds or less than that of the MSCI ACWI Index as measured by standard deviation.
- Exhibit low relative beta and correlation to the MSCI ACWI Index.

Net Dollar Growth Summary (\$000s)

	3 Months	FYTD
Beginning Market Value	185,273	205,801
Net Additions	-1,950	-35,142
Return on Investment	11,227	23,890
Ending Market Value	194,550	194,550

Growth of a Dollar



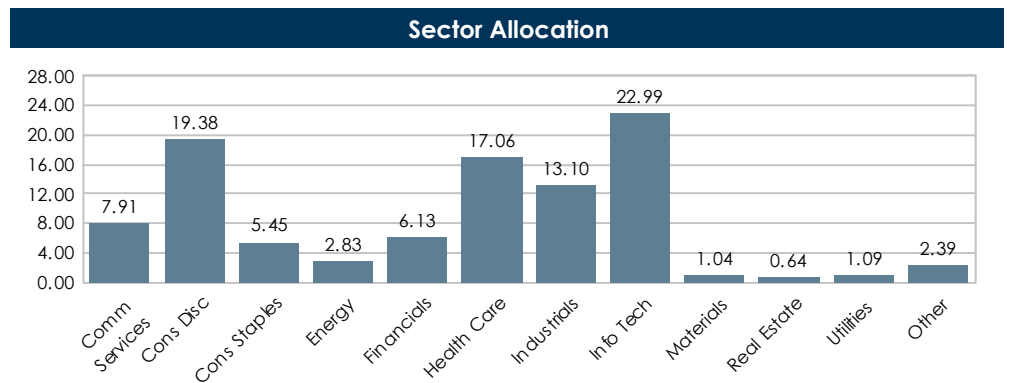
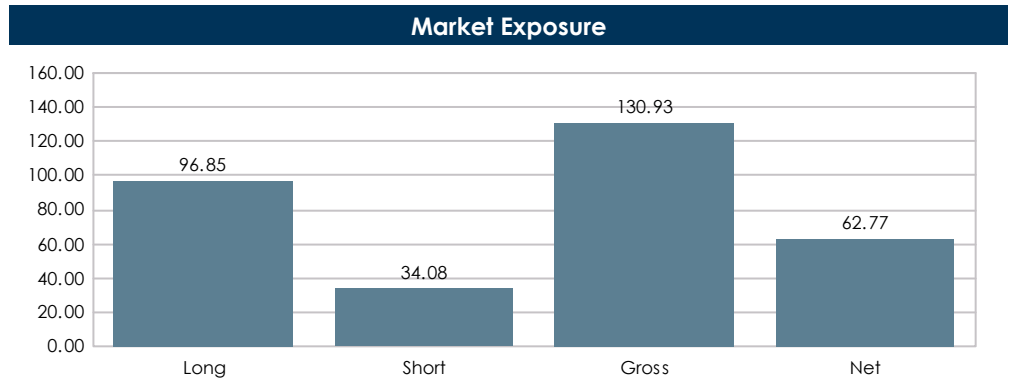
— K2 Ascent LLC * — MSCI ACWI — HFRI FOF: Strategic

* Performance is calculated using net of fee returns.

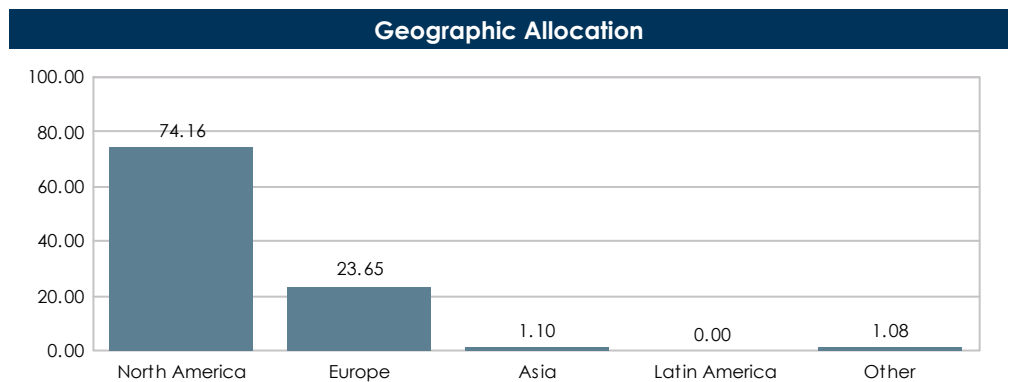
K2 Ascent LLC

For the Periods Ending June 30, 2023

Manager Allocation		
Name	Market Value (\$000s)	Allocation (%)
Total	194,550	100.00
Southpoint Qualified Fund	27,287	14.03
Engaged Capital Flagship Fund	27,263	14.01
AKO Partners	27,127	13.94
Starboard Value and Opportunity Fund	24,167	12.42
Jet Capital Concentrated Fund	19,249	9.89
Suvretta Partners	17,882	9.19
Tremblant Partners	17,818	9.16
Redmile Capital Fund	14,318	7.36
Impactive Capital Fund	13,892	7.14
SQN Investors Fund	4,735	2.43
Trian Partners	810	0.42



Net Dollar Growth Summary (\$000s)		
	3 Months	FYTD
Beginning Market Value	185,273	205,801
Net Additions	-1,950	-35,142
Return on Investment	11,227	23,890
Ending Market Value	194,550	194,550



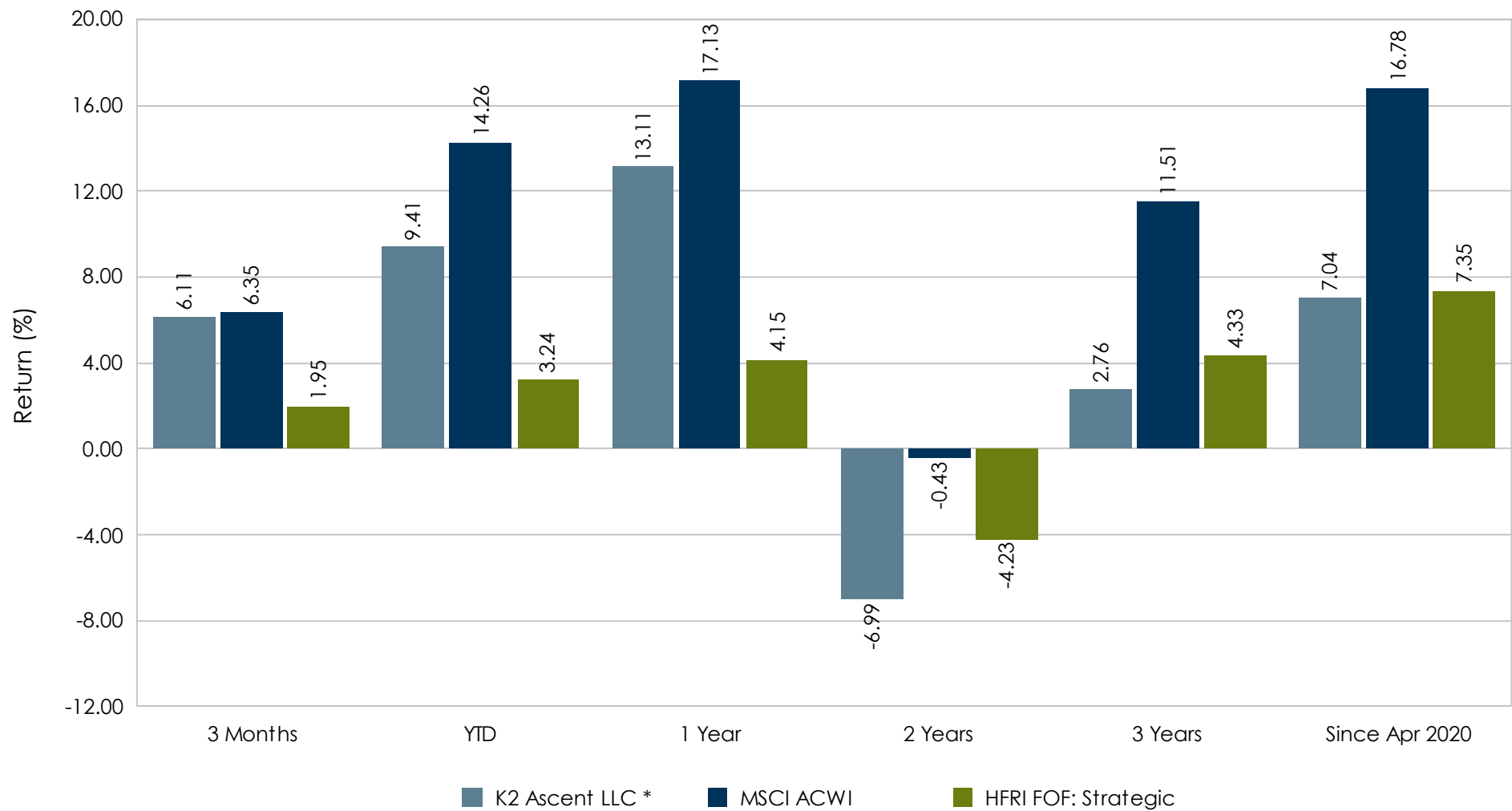
Exposure and allocation data represents the most recent data available from the manager(s)

Allocation data is represented as percentage of gross

© 2023 Asset Consulting Group All Rights Reserved

K2 Ascent LLC

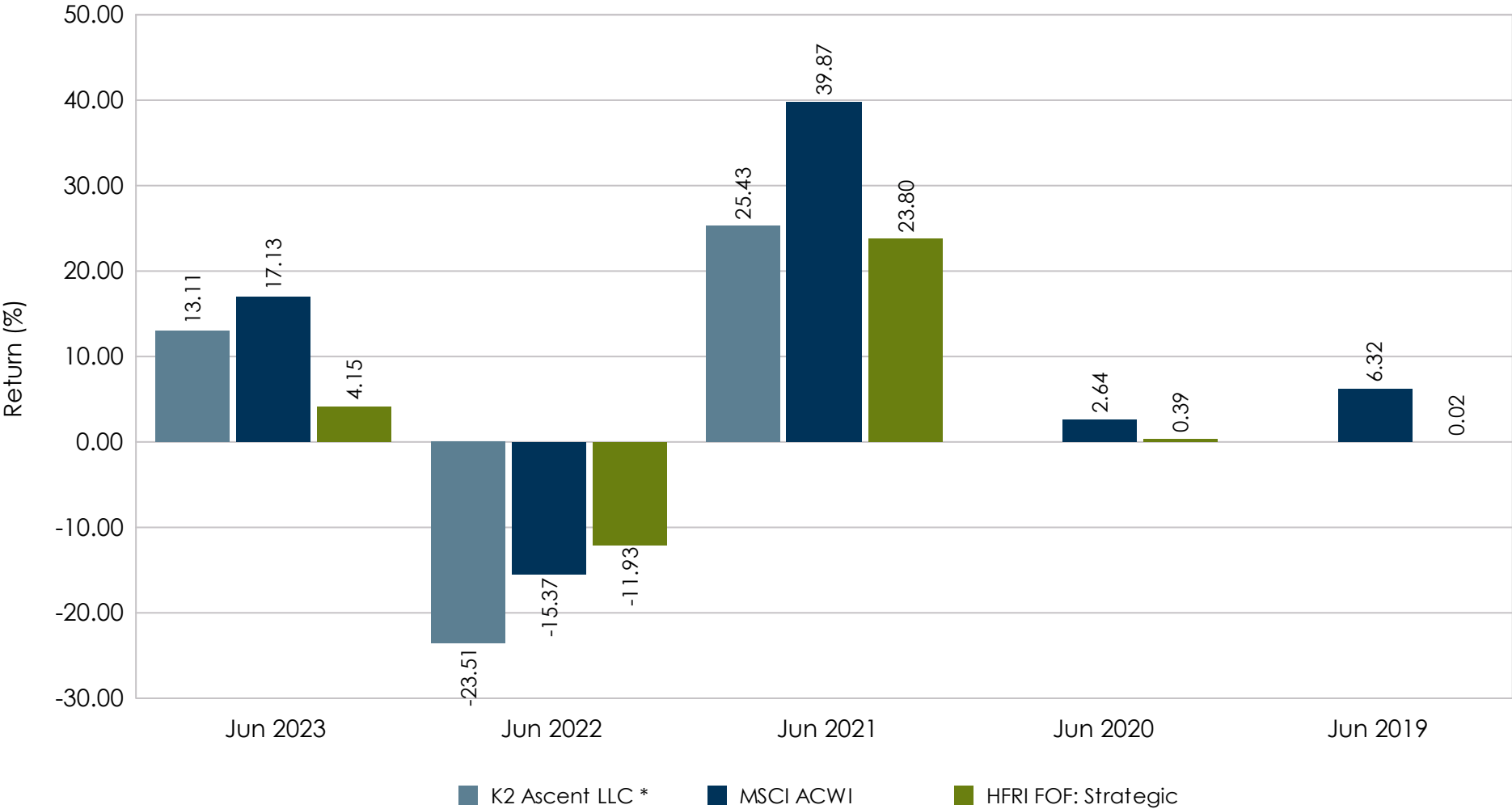
For the Periods Ending June 30, 2023



* Performance is calculated using net of fee returns.
© 2023 Asset Consulting Group All Rights Reserved

K2 Ascent LLC

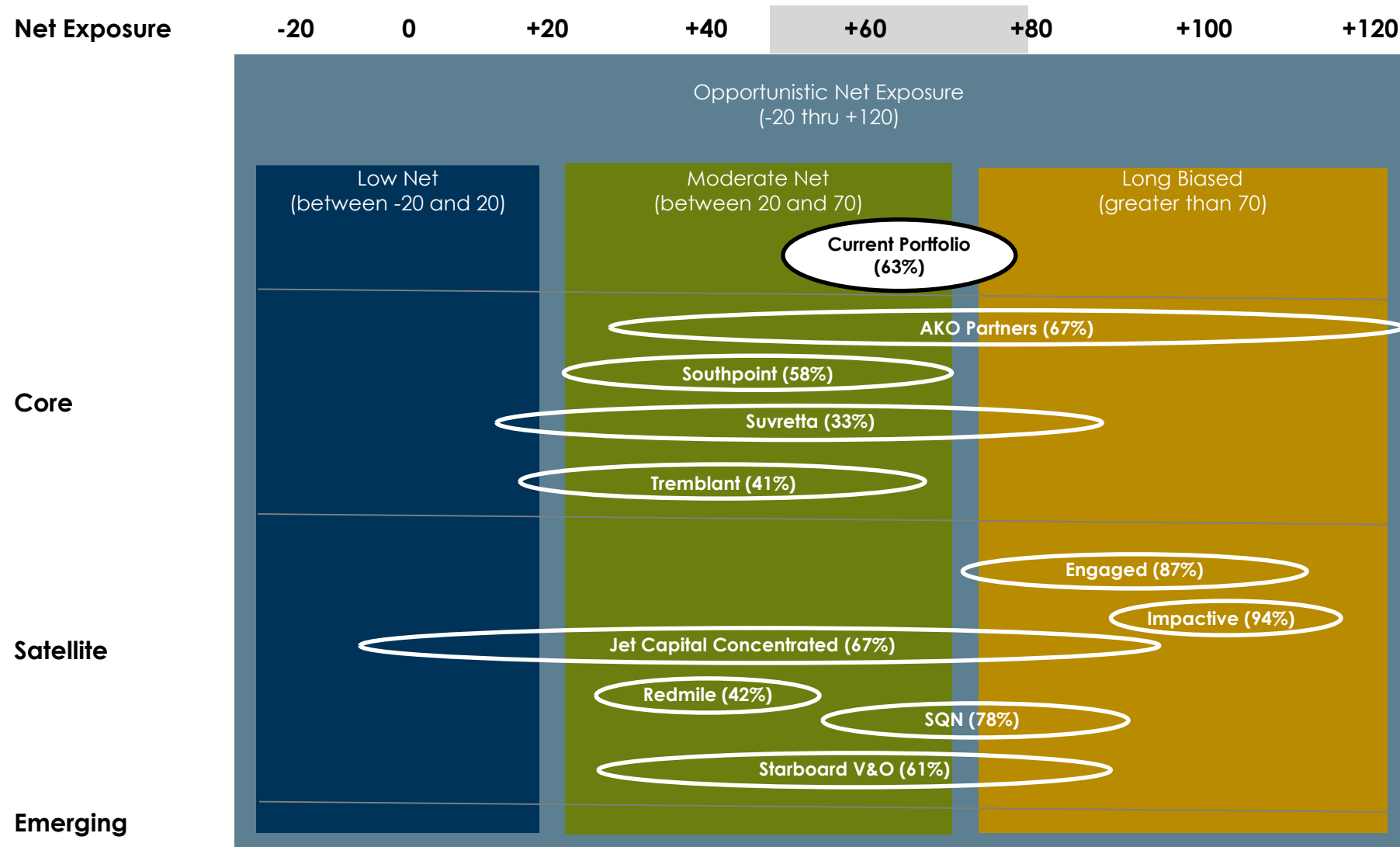
For the One Year Periods Ending June



* Performance is calculated using net of fee returns.
© 2023 Asset Consulting Group All Rights Reserved

Long/Short Equity Portfolio Construction Guidelines

When investing in the equity long/short asset class ACG recommends a **portfolio targeting 2/3rds of the risk of the global equity market**. The target range of the portfolio will be between 50% and 80% net exposure.



Numbers in parenthesis are the current net exposure. The ellipsicals illustrate the historical range of net exposure for each manager. Data is as of 6/30/2023.

Core: typically fund is diversified by sector and /or region; **Satellite:** typically fund is concentrated and/or focused by sector/region or strategy; **Emerging:** typically fund has a short track record or small dollar amount.

Net Exposure equals Long Positions minus Short Positions. **Gross Exposure** equals Long Positions plus Short Positions.

When investing in the equity long/short asset class ACG recommends a portfolio of multiple managers that is **considers the following guidelines** in constructing a diversified portfolio.

Parameter	Guidelines/ Target Ranges	Current Weights
Number of Funds	Minimum 8, Maximum 20	10
Allocation per Fund	Minimum 5%, Maximum 20%	Within target range
Total Allocation per Type of Fund ¹	Core 40 to 80% Satellite 20 to 60% Emerging 0 to 20%	Core 46% Satellite 54% Emerging 0%
Diversification	Diversify by region, sector, market cap, idea generation	Diversified by region, sector, market cap, idea generation

Core: typically fund is diversified by sector and /or region; **Satellite:** typically fund is concentrated and/or focused by sector/region or strategy; **Emerging:** typically fund has a short track record or small dollar amount

Net Exposure equals long positions minus short positions. **Gross Exposure** equals long positions plus short positions.

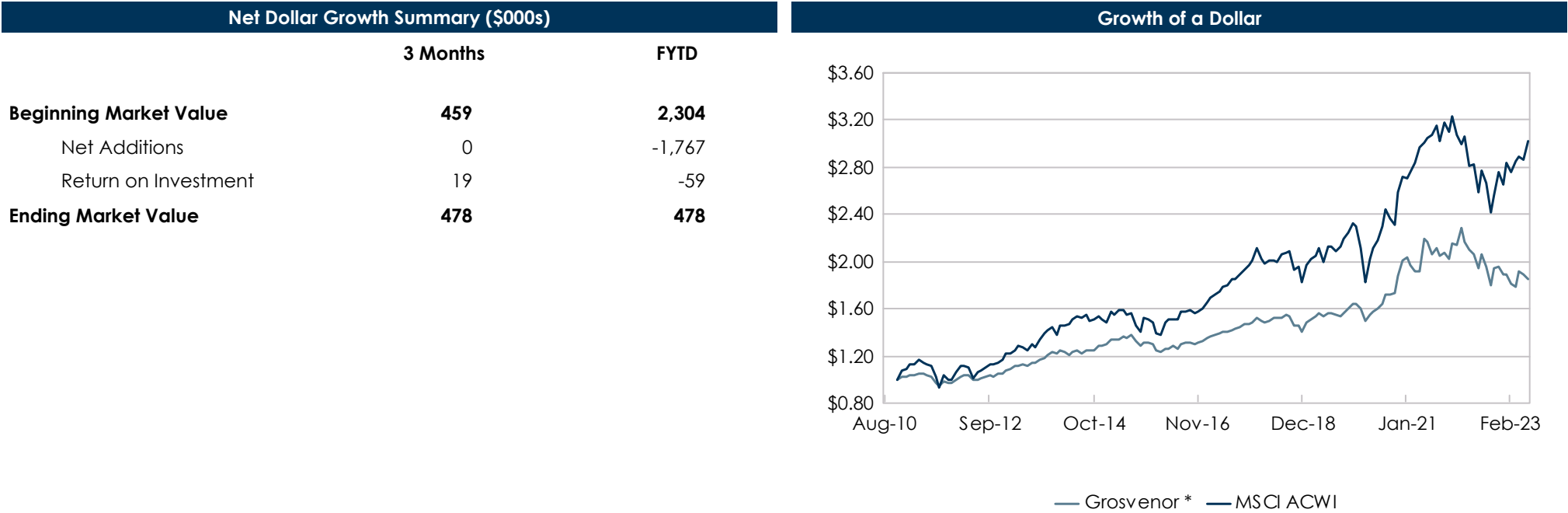
Oklahoma Police Pension & Retirement System

Summary of Underlying Fund Terms

Manager	Lockup	Post-Lock Liquidity	Management Fee	Incentive Fee	Redemption Penalty	Side Pocket
AKO	None	Quarterly	1.50%	17.50%	NA	None
Engaged	None	Quarterly w/ 25% investor level gate	1.75%	20% over 90% of the R2000	NA	None
Impactive	One Year	Quarterly w/ 25% investor level gate	1.75%	17.50%	NA	Yes but no intention to use
Jet	One Year Soft	Monthly	1.50%	15%	3% in year one	None
Redmile	Two Year	Quarterly w/ 25% investor level gate	1.00%	20%	NA	Yes with 15% limit
Southpoint	None	Quarterly w/ 25% investor level gate	1.50%	20%	NA	None
SQN	One Year	Quarterly w/ 25% investor level gate	1.50%	20%	NA	Yes but no intention to use
Starboard	None	Quarterly	2.00%	20%	NA	None
Suvretta	One Year Soft	Quarterly	1.50%	20%	3% in year one	None
Tremblant	None	Quarterly	1.00%	20%	NA	None

Grosvenor Long/Short Equity
For the Periods Ending June 30, 2023

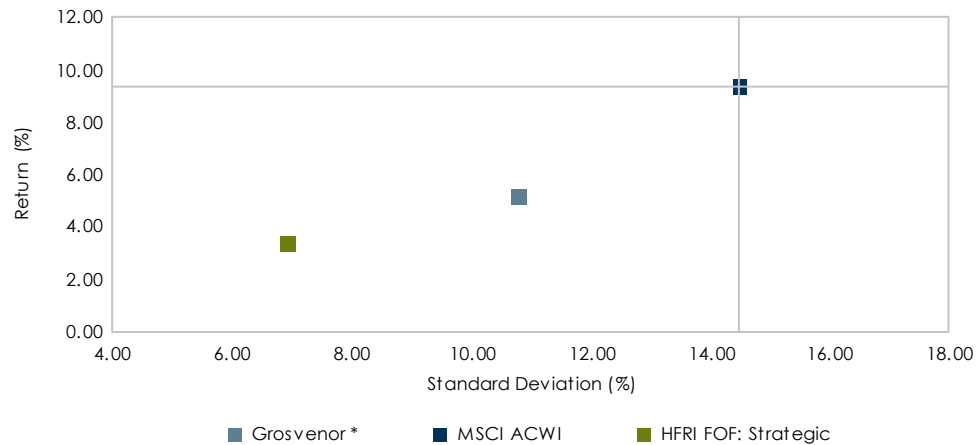
Account Description	Performance Goals
■ Strategy Long/Short Equity	■ Fund is winding down.
■ Vehicle Limited Partnership	
■ Benchmark MSCI ACWI	
■ Performance Inception Date November 2003	



Grosvenor Long/Short Equity

For the Periods Ending June 30, 2023

10 Year Risk / Return



10 Year Portfolio Statistics

	Grosvenor *	MSCI ACWI	HFRI FOF: Strategic
Return (%)	5.16	9.31	3.35
Standard Deviation (%)	10.81	14.50	6.94
Sharpe Ratio	0.39	0.58	0.35

Benchmark Relative Statistics

Beta	0.48	0.94
R Squared (%)	41.68	36.32
Alpha (%)	0.80	2.31
Tracking Error (%)	11.17	8.64
Batting Average (%)	44.17	54.17
Up Capture (%)	44.54	128.35
Down Capture (%)	50.44	111.59

10 Year Growth of a Dollar



10 Year Return Analysis

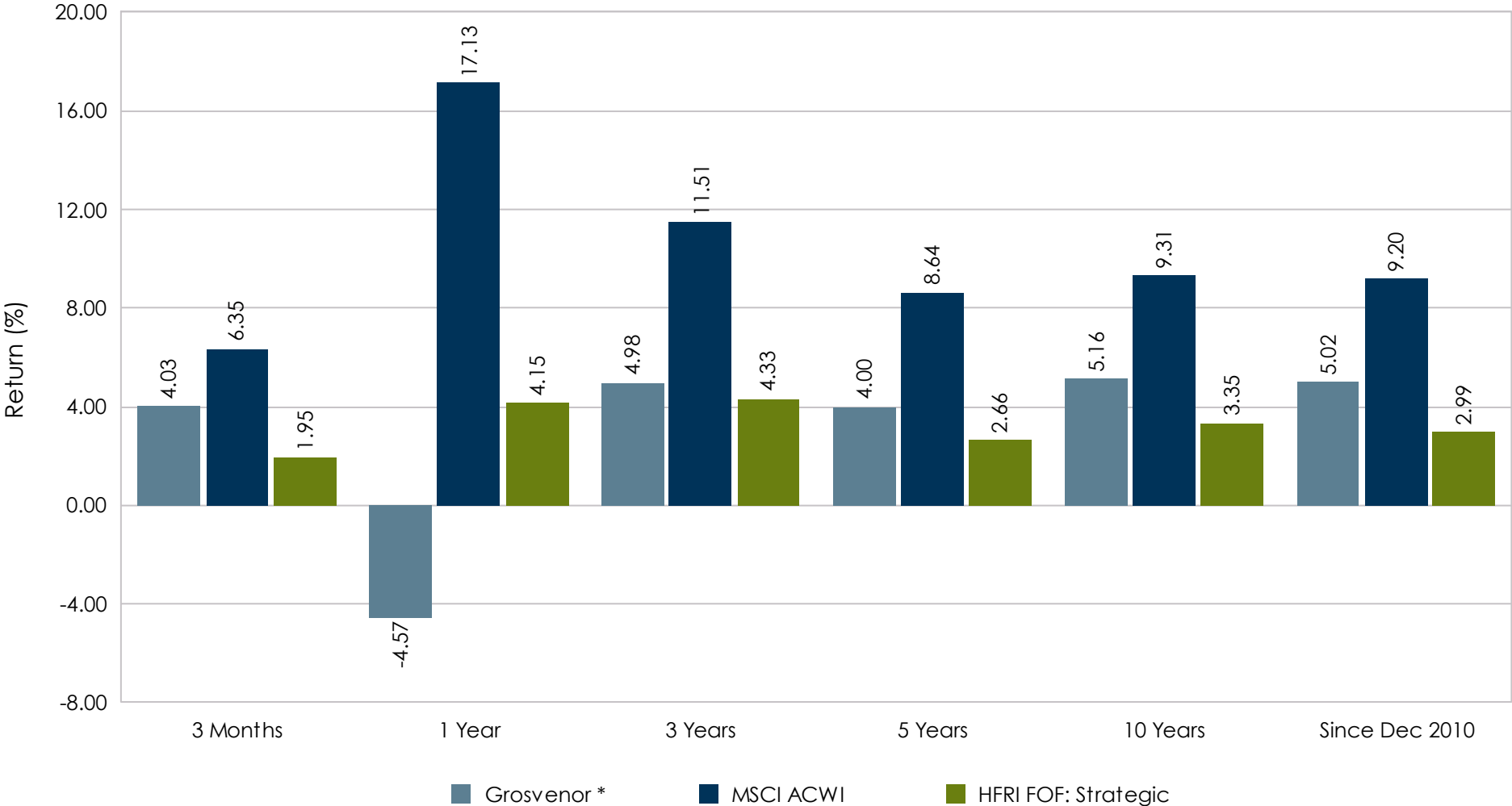
	Grosvenor *	MSCI ACWI	HFRI FOF: Strategic
Number of Months	120	120	120
Highest Monthly Return (%)	14.69	12.36	5.52
Lowest Monthly Return (%)	-7.83	-13.44	-9.70
Number of Positive Months	72	79	72
Number of Negative Months	48	41	48
% of Positive Months	60.00	65.83	60.00

* Performance is calculated using net of fee returns.

Statistics are calculated using monthly return data.

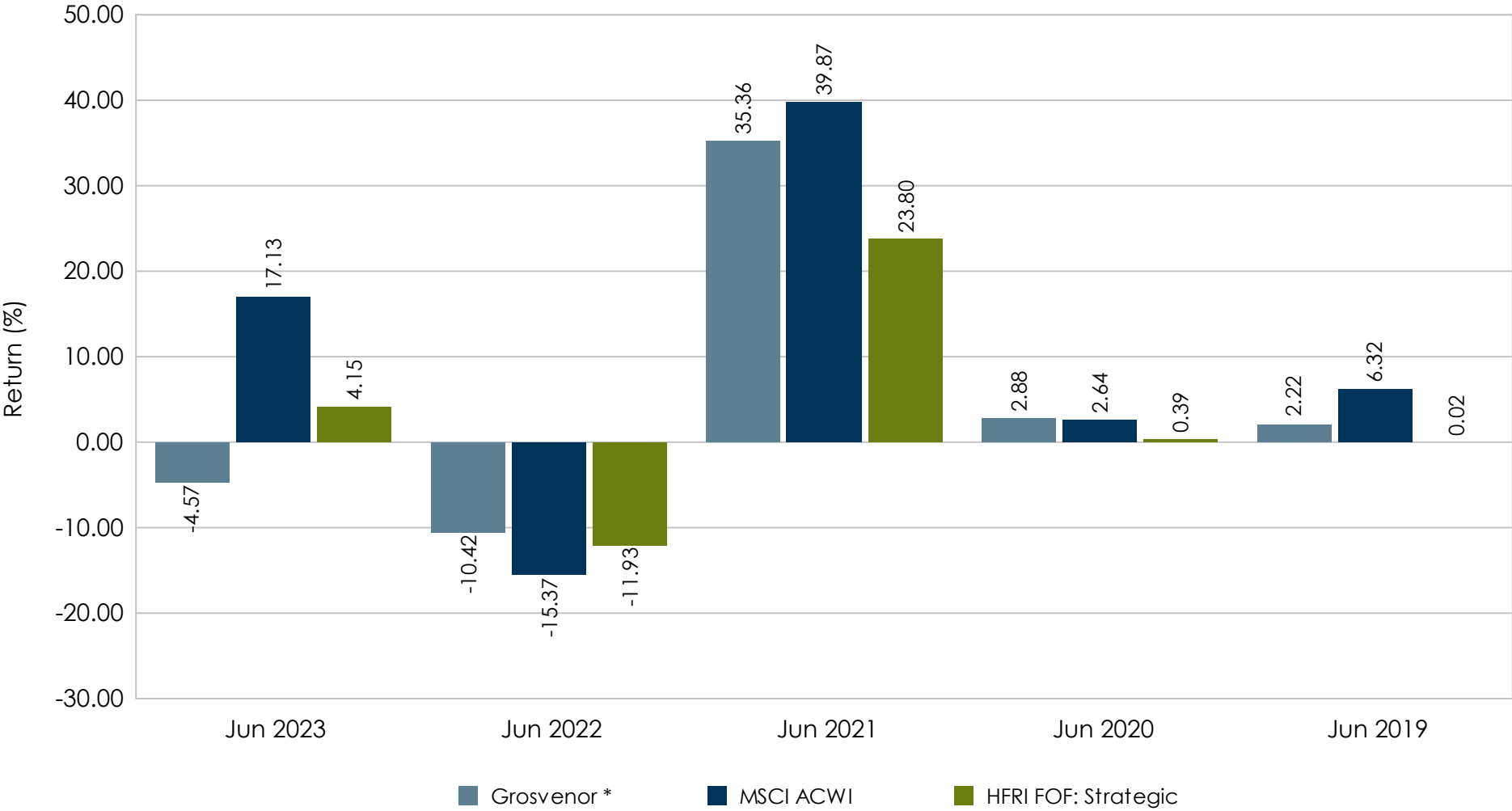
© 2023 Asset Consulting Group All Rights Reserved

Grosvenor Long/Short Equity
For the Periods Ending June 30, 2023



* Performance is calculated using net of fee returns.
© 2023 Asset Consulting Group All Rights Reserved

Grosvenor Long/Short Equity
For the One Year Periods Ending June



* Performance is calculated using net of fee returns.
© 2023 Asset Consulting Group All Rights Reserved

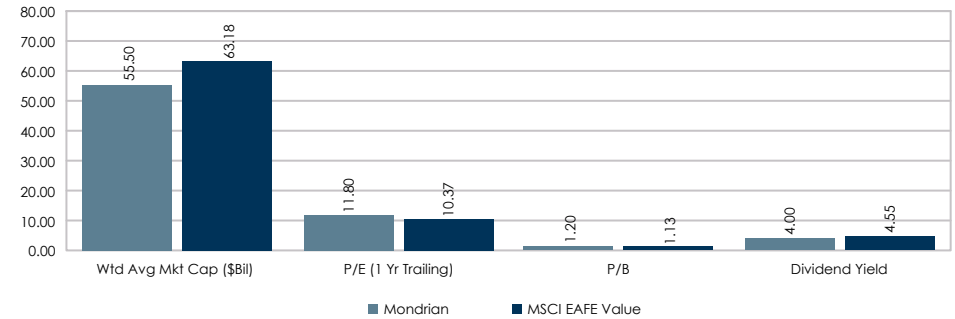
Mondrian International

For the Periods Ending June 30, 2023

Account Description

- **Strategy** Int'l Developed Markets Equity
- **Vehicle** Limited Partnership
- **Benchmark** MSCI EAFE Value
- **Performance Inception Date** May 2004
- **Fees** 63 bps on first \$30 million, 50 bps on the next \$20 million, 40 bps on the next \$50 million, 30 bps on the next \$100 million

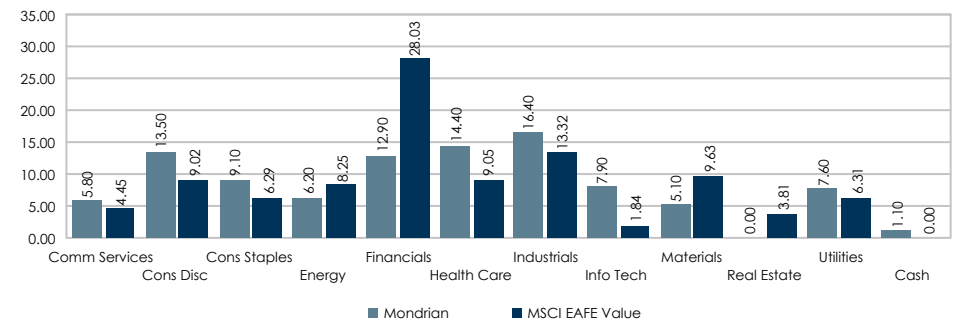
Characteristics



Performance Goals

- Outperform the MSCI EAFE Value.
- Over rolling three year periods, rank above the median in the eA EAFE All Cap Value Equity universe.

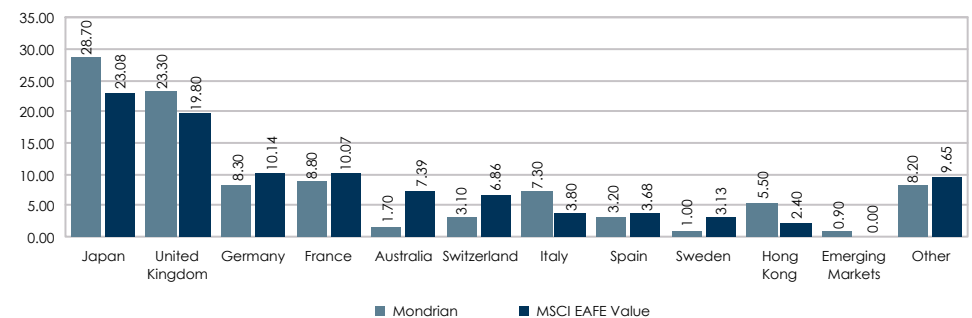
Sector Allocation



Dollar Growth Summary (\$000s)

	3 Months	FYTD
Beginning Market Value	161,112	146,491
Net Additions	0	0
Return on Investment	5,102	19,722
Ending Market Value	166,213	166,213

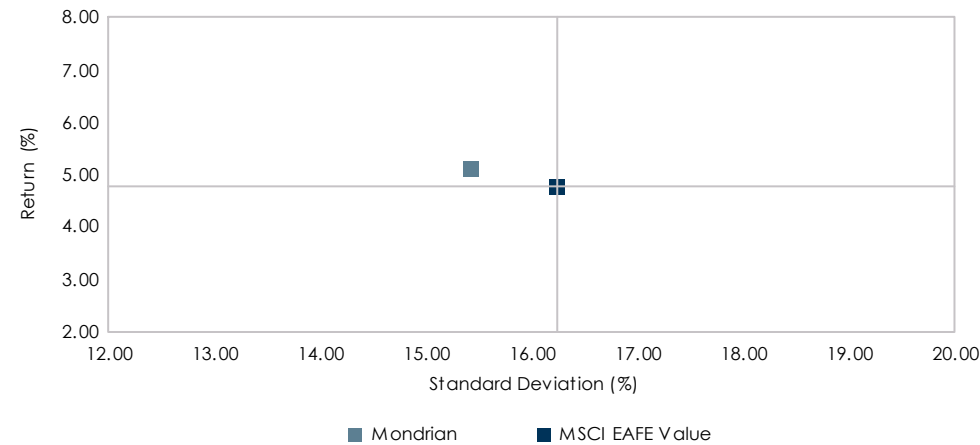
Country Allocation



Mondrian International

For the Periods Ending June 30, 2023

10 Year Risk / Return



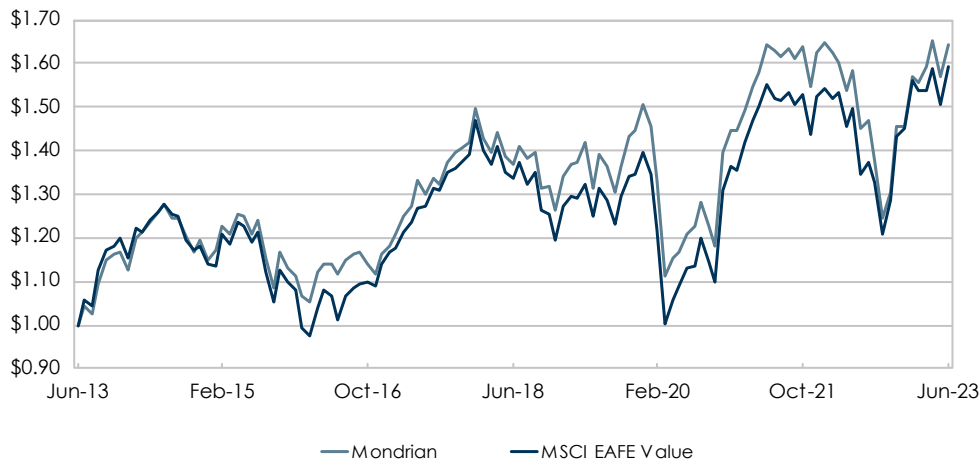
10 Year Portfolio Statistics

	Mondrian	MSCI EAFE Value
Return (%)	5.10	4.76
Standard Deviation (%)	15.42	16.24
Sharpe Ratio	0.27	0.24

Benchmark Relative Statistics

Beta	0.92
R Squared (%)	94.25
Alpha (%)	0.66
Tracking Error (%)	3.91
Batting Average (%)	55.00
Up Capture (%)	90.69
Down Capture (%)	90.76

10 Year Growth of a Dollar

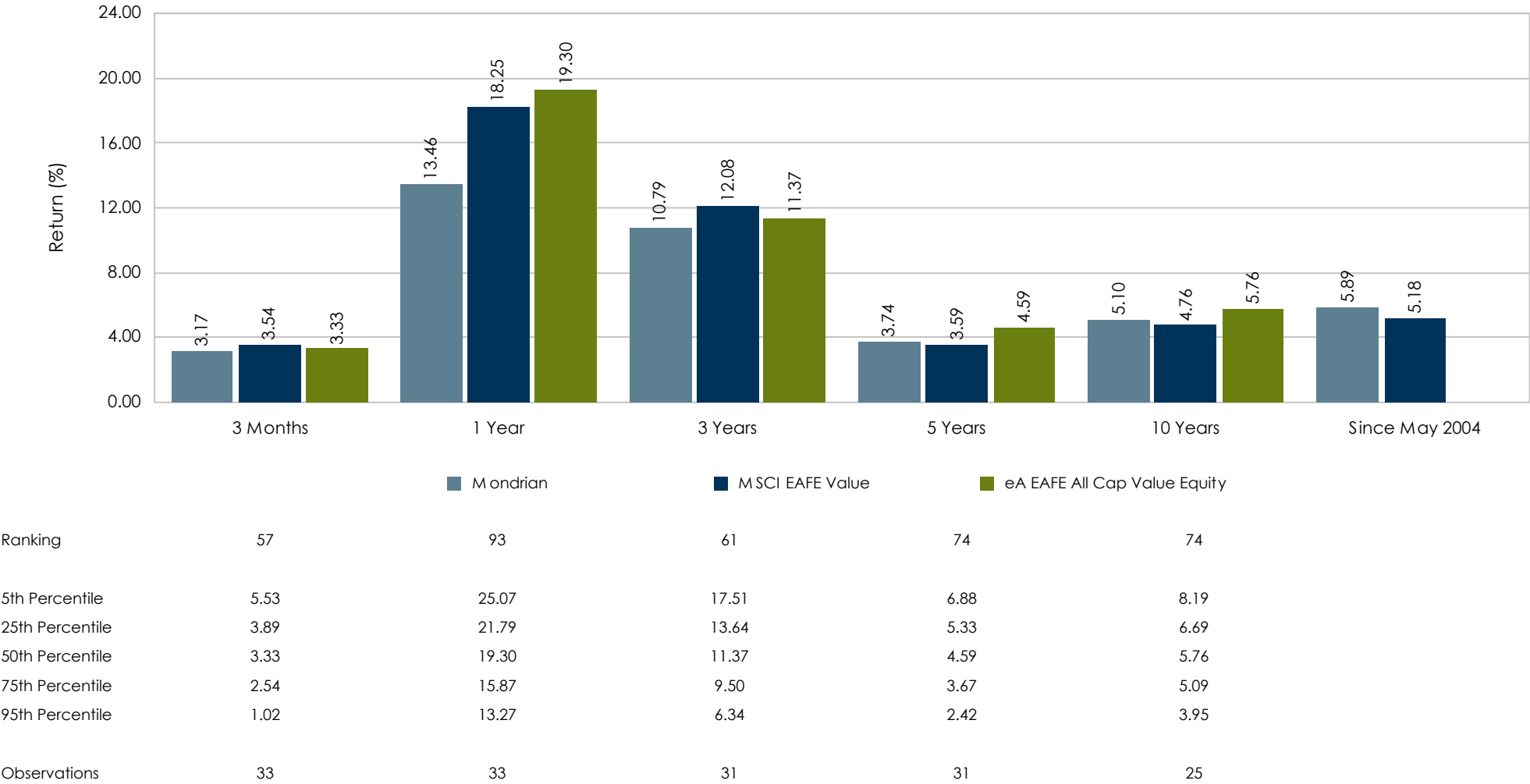


10 Year Return Analysis

	Mondrian	MSCI EAFE Value
Number of Months	120	120
Highest Monthly Return (%)	18.01	18.95
Lowest Monthly Return (%)	-16.55	-17.61
Number of Positive Months	71	68
Number of Negative Months	49	52
% of Positive Months	59.17	56.67

Mondrian International

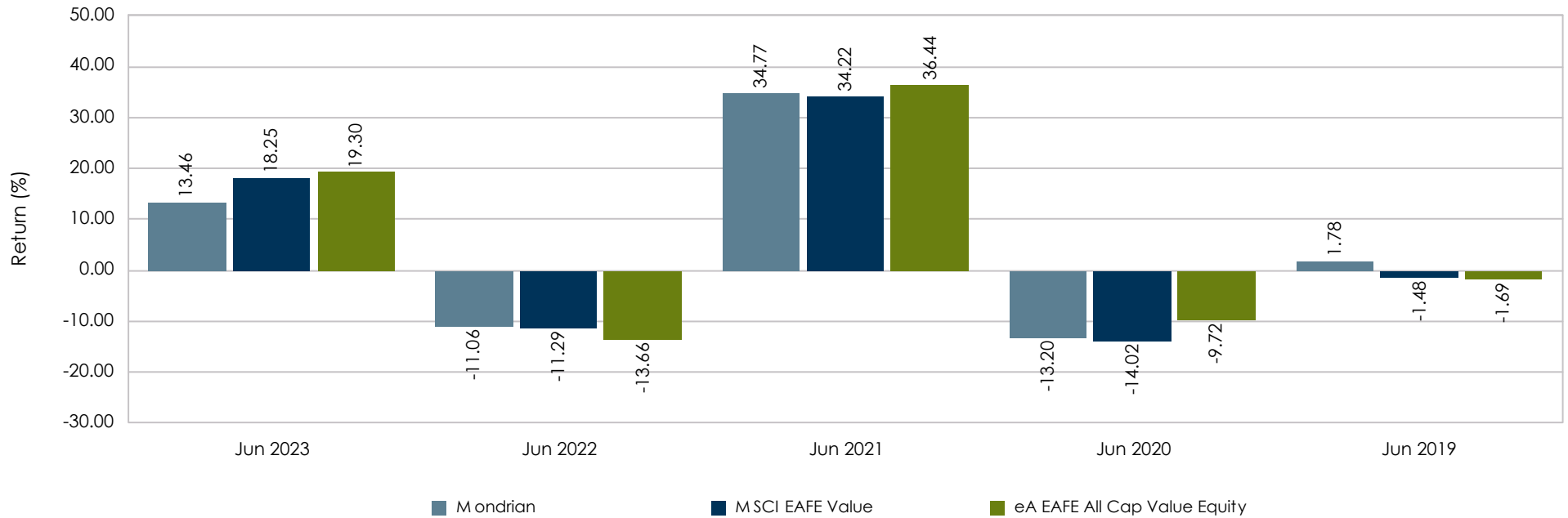
For the Periods Ending June 30, 2023



The rankings represent the portfolio's returns versus a peer universe. The rankings are on a scale of 1 to 100 with 1 being the best.

Mondrian International

For the One Year Periods Ending June



Ranking	93	21	58	77	33
5th Percentile	25.07	-8.12	48.90	-0.48	5.52
25th Percentile	21.79	-11.51	40.92	-7.33	3.37
50th Percentile	19.30	-13.66	36.44	-9.72	-1.69
75th Percentile	15.87	-17.86	29.40	-12.51	-5.10
95th Percentile	13.27	-21.30	23.58	-17.21	-6.70
Observations	33	35	36	36	36

The rankings represent the portfolio's returns versus a peer universe. The rankings are on a scale of 1 to 100 with 1 being the best.

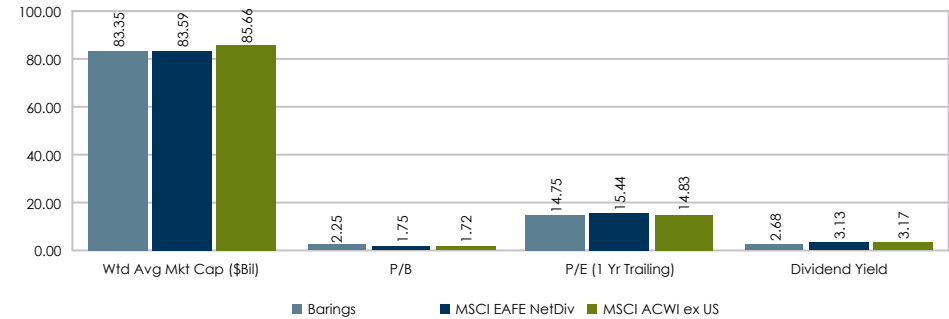
Barings Focused EAFE Plus Equity

For the Periods Ending June 30, 2023

Account Description

- **Strategy** Int'l Developed Markets Equity
- **Vehicle** Non-Mutual Commingled
- **Benchmarks** MSCI EAFE NetDiv and MSCI ACWI ex US
- **Performance Inception Date** March 2012
- **Fees** 40 bps base fee plus performance based fee

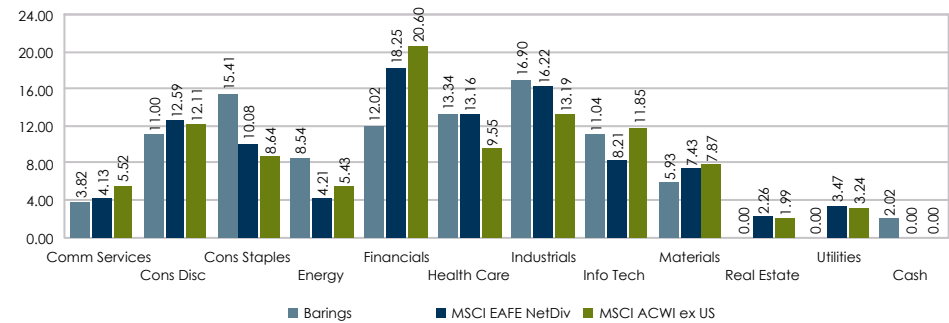
Characteristics



Performance Goals

- Outperform the MSCI EAFE NetDiv and MSCI ACWI ex US.
- Over rolling three year periods, rank above the median in the eA EAFE All Cap Equity universe.

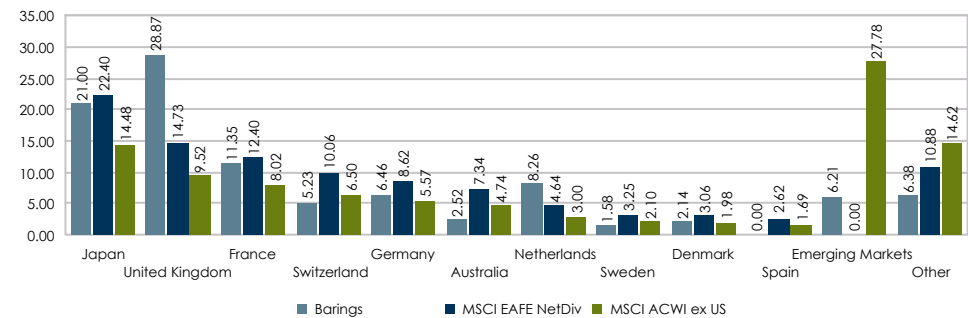
Sector Allocation



Dollar Growth Summary (\$000s)

	3 Months	FYTD
Beginning Market Value	171,359	150,811
Net Additions	-173	-645
Return on Investment	4,747	25,766
Ending Market Value	175,932	175,932

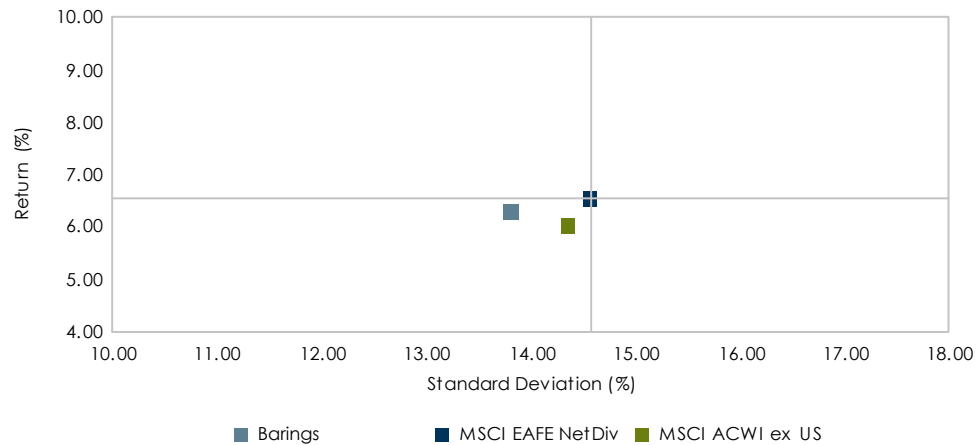
Country Allocation



Barings Focused EAFE Plus Equity

For the Periods Ending June 30, 2023

11 Year Risk / Return



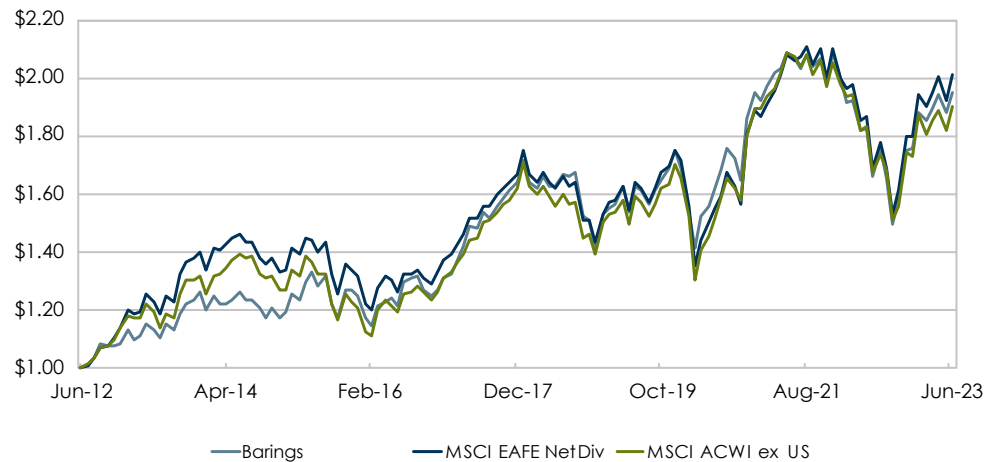
11 Year Portfolio Statistics

	Barings	MSCI EAFE NetDiv	MSCI ACWI ex US
Return (%)	6.26	6.55	6.02
Standard Deviation (%)	13.81	14.57	14.36
Sharpe Ratio	0.39	0.39	0.36

Benchmark Relative Statistics

Beta	0.91	0.91
R Squared (%)	92.15	88.88
Alpha (%)	0.29	0.79
Tracking Error (%)	4.09	4.80
Batting Average (%)	53.79	50.76
Up Capture (%)	93.68	92.72
Down Capture (%)	95.36	92.02

11 Year Growth of a Dollar

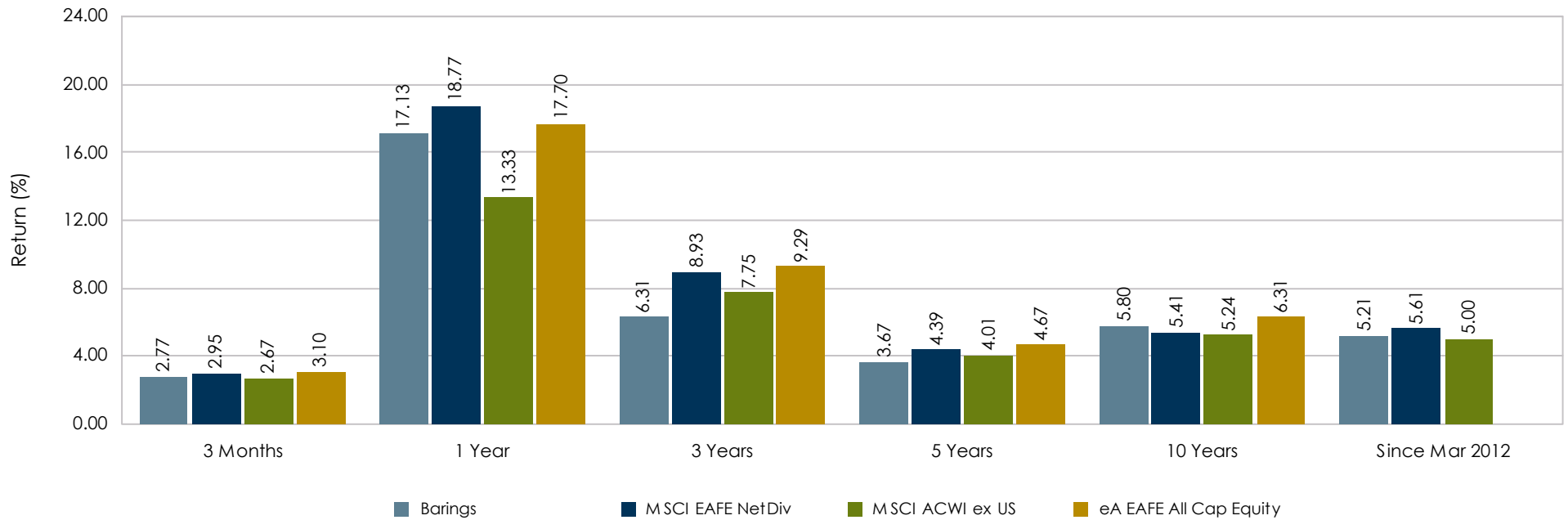


11 Year Return Analysis

	Barings	MSCI EAFE NetDiv	MSCI ACWI ex US
Number of Months	132	132	132
Highest Monthly Return (%)	13.15	15.50	13.46
Lowest Monthly Return (%)	-9.24	-13.35	-14.40
Number of Positive Months	77	78	80
Number of Negative Months	55	54	52
% of Positive Months	58.33	59.09	60.61

Barings Focused EAFE Plus Equity

For the Periods Ending June 30, 2023

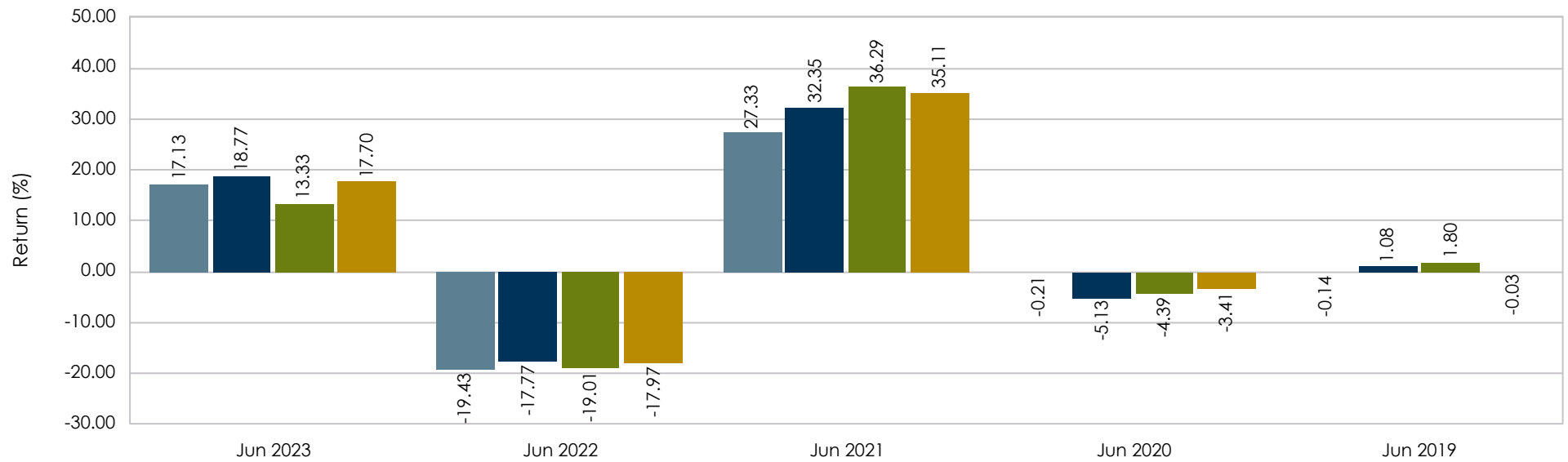


Ranking	58	55	87	76	70
5th Percentile	4.76	24.32	14.98	7.54	8.45
25th Percentile	3.75	20.60	10.95	5.50	6.95
50th Percentile	3.10	17.70	9.29	4.67	6.31
75th Percentile	2.26	14.80	7.43	3.68	5.74
95th Percentile	1.02	11.05	3.44	2.17	4.79
Observations	114	114	111	109	84

The rankings represent the portfolio's returns versus a peer universe. The rankings are on a scale of 1 to 100 with 1 being the best.

Barings Focused EAFE Plus Equity

For the One Year Periods Ending June



	Barings	MSCI EAFE NetDiv	MSCI ACWI ex US	eA EAFE All Cap Equity	
Ranking	55	61	91	32	52
5th Percentile	24.32	-9.71	49.07	9.11	6.30
25th Percentile	20.60	-13.52	38.36	0.81	3.15
50th Percentile	17.70	-17.97	35.11	-3.41	-0.03
75th Percentile	14.80	-21.40	30.74	-8.35	-2.47
95th Percentile	11.05	-33.00	23.71	-14.44	-6.32
Observations	114	122	128	133	138

The rankings represent the portfolio's returns versus a peer universe. The rankings are on a scale of 1 to 100 with 1 being the best.

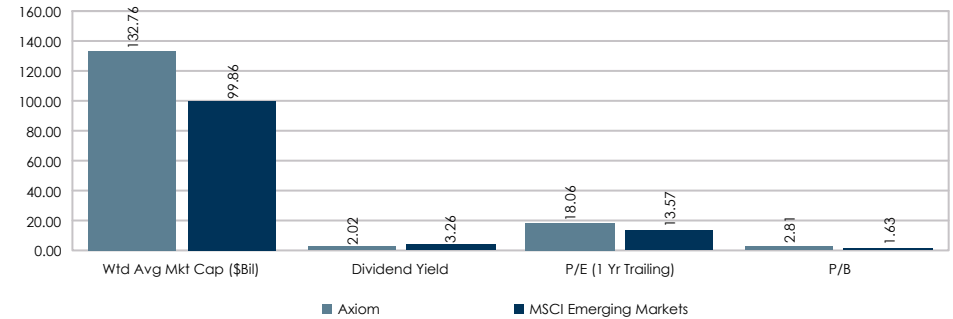
Axiom Emerging Markets

For the Periods Ending June 30, 2023

Account Description

- **Strategy** Emerging Markets Equity
- **Vehicle** Non-Mutual Commingled
- **Benchmark** MSCI Emerging Markets
- **Performance Inception Date** August 2022
- **Fees** 75 bps all in fee

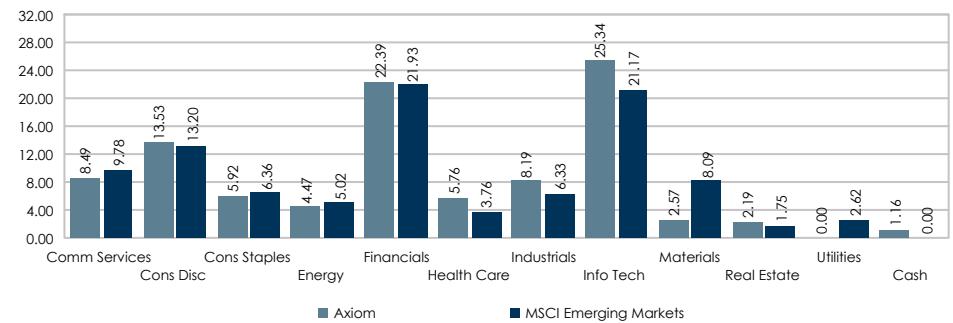
Characteristics



Performance Goals

- Outperform the MSCI Emerging Markets.
- Over rolling three year periods, rank above the median in the eA Global Emerging Mkts Equity universe.

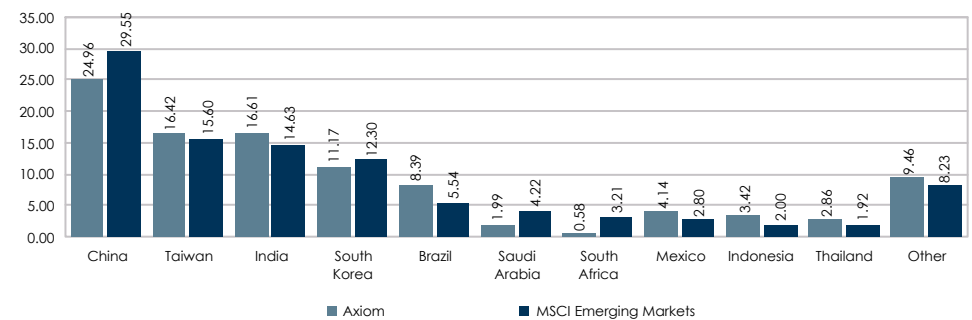
Sector Allocation



Dollar Growth Summary (\$000s)

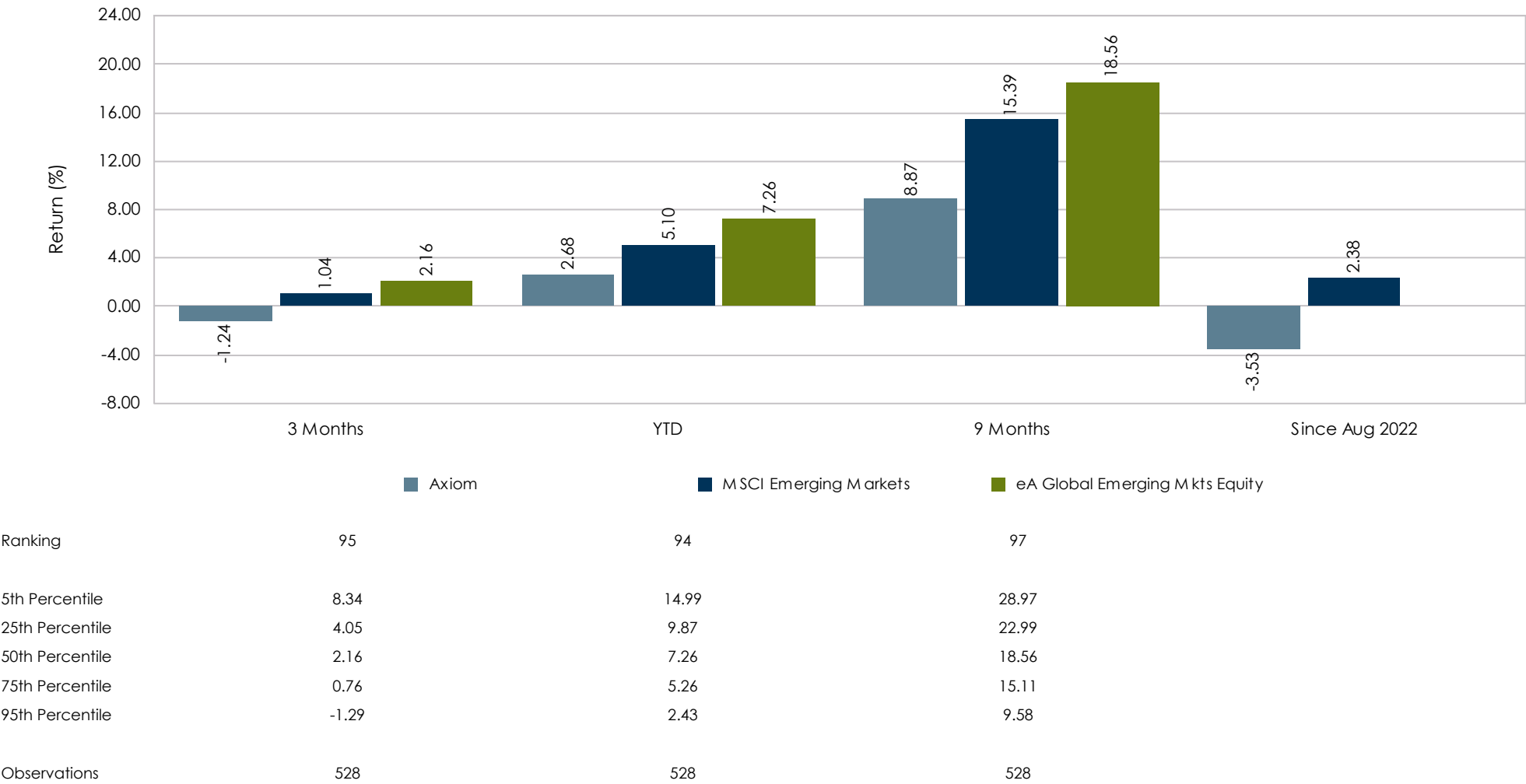
	3 Months	FYTD
Beginning Market Value	84,993	0
Net Additions	0	86,835
Return on Investment	-1,053	-2,895
Ending Market Value	83,941	83,941

Country Allocation



Axiom Emerging Markets

For the Periods Ending June 30, 2023



The rankings represent the portfolio's returns versus a peer universe. The rankings are on a scale of 1 to 100 with 1 being the best.

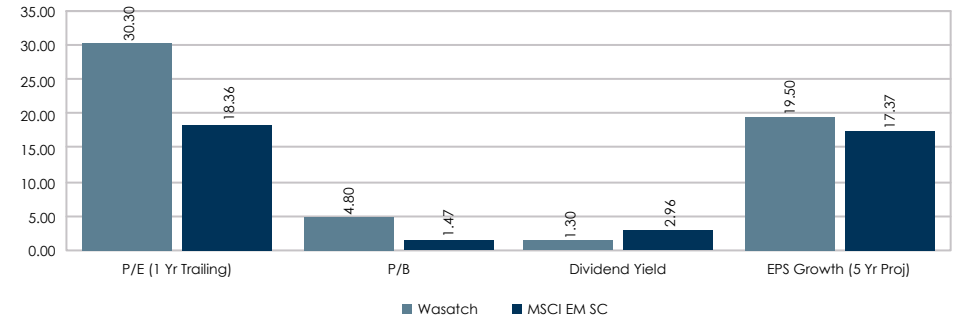
Wasatch Emerging Markets

For the Periods Ending June 30, 2023

Account Description

- **Strategy** Emerging Markets Equity
- **Vehicle** Non-Mutual Commingled
- **Benchmark** MSCI EM SC
- **Performance Inception Date** September 2012
- **Fees** 110 bps

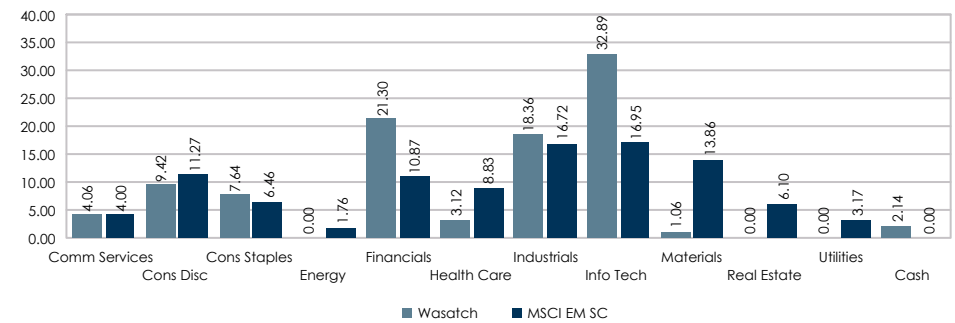
Characteristics



Performance Goals

- Outperform the MSCI EM SC over a market cycle.
- Rank above median in the eA Global Emerging Mkts Equity universe over a market cycle.

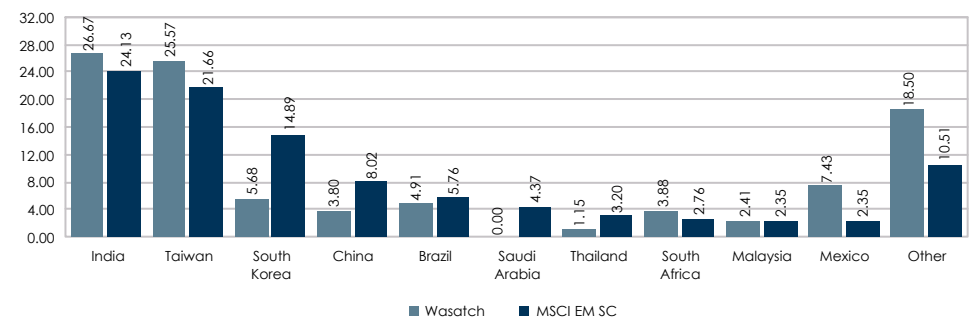
Sector Allocation



Dollar Growth Summary (\$000s)

	3 Months	FYTD
Beginning Market Value	48,124	45,389
Net Additions	-135	-519
Return on Investment	2,286	5,405
Ending Market Value	50,275	50,275

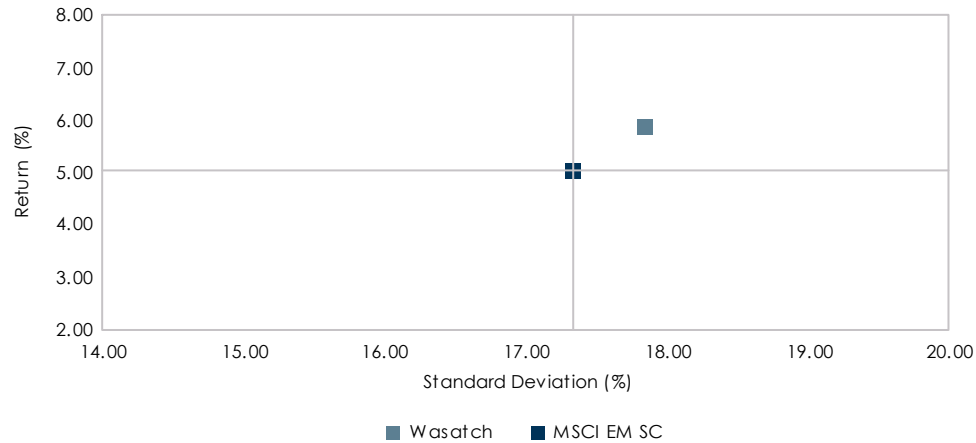
Country Allocation



Wasatch Emerging Markets

For the Periods Ending June 30, 2023

10 Year Risk / Return



10 Year Portfolio Statistics

	Wasatch	MSCI EM SC
Return (%)	5.88	5.02
Standard Deviation (%)	17.85	17.34
Sharpe Ratio	0.28	0.24

Benchmark Relative Statistics

Beta	0.91
R Squared (%)	77.32
Alpha (%)	1.54
Tracking Error (%)	8.66
Batting Average (%)	48.33
Up Capture (%)	100.49
Down Capture (%)	97.06

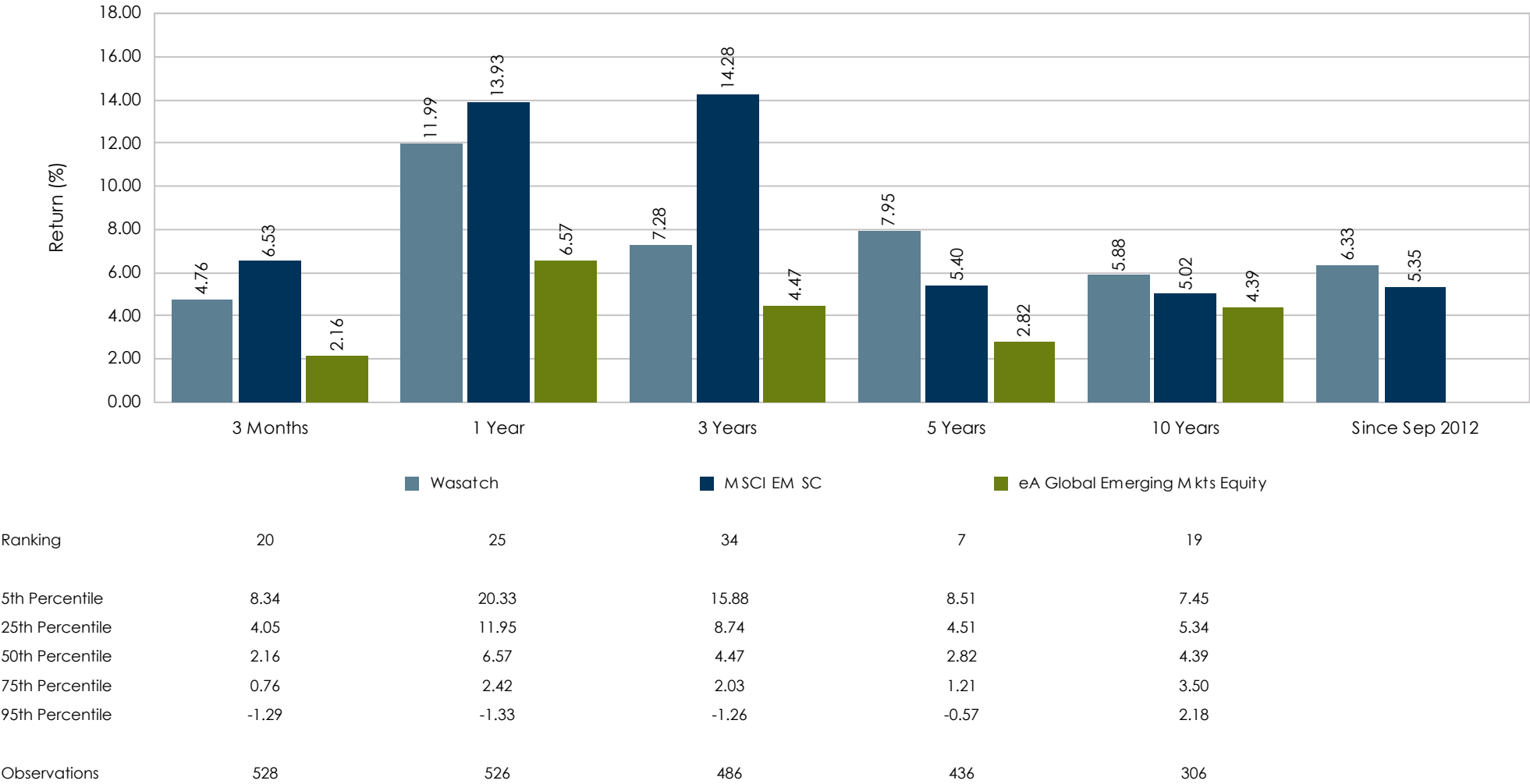
10 Year Growth of a Dollar



10 Year Return Analysis

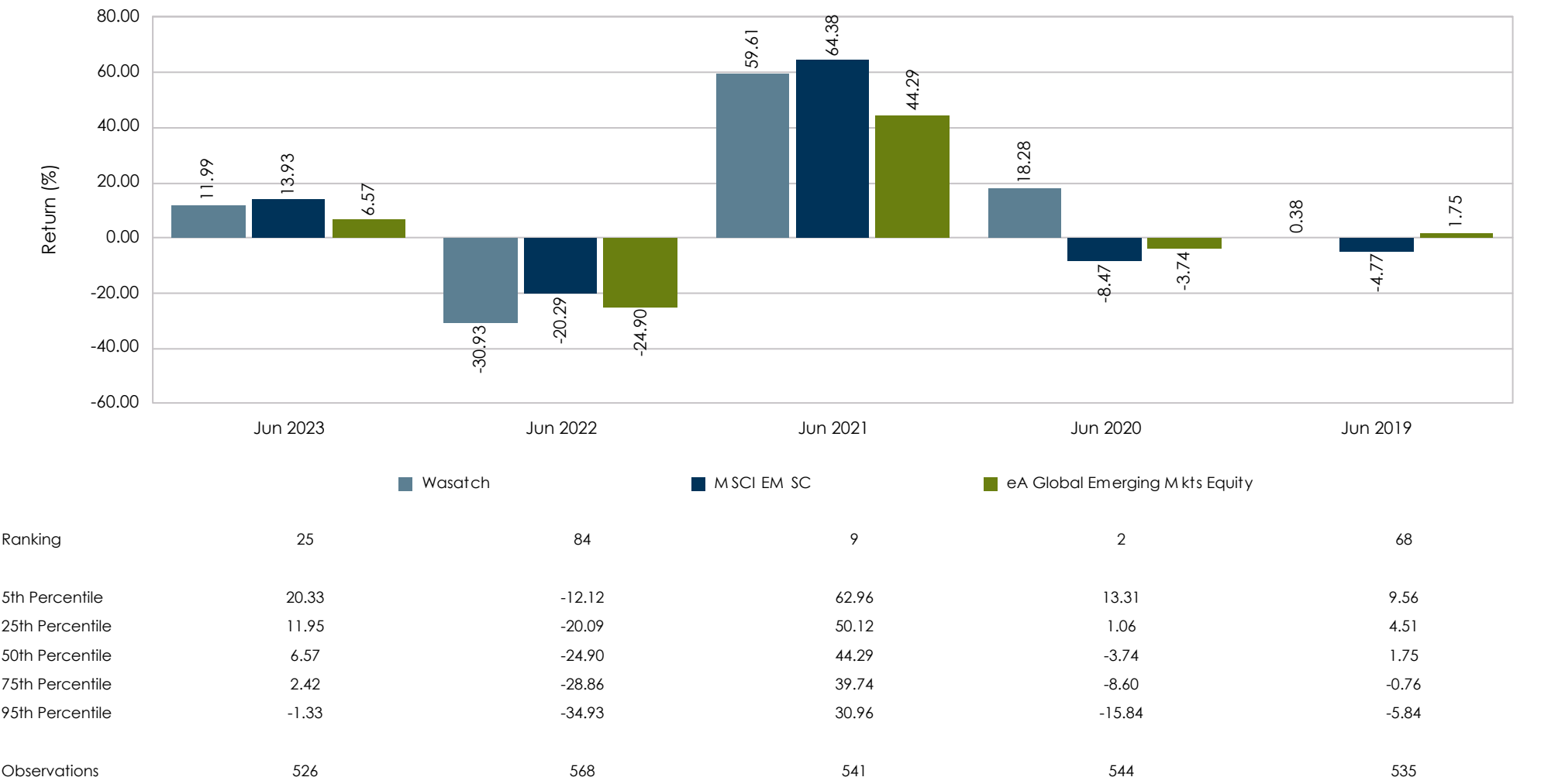
	Wasatch	MSCI EM SC
Number of Months	120	120
Highest Monthly Return (%)	12.22	14.10
Lowest Monthly Return (%)	-20.86	-23.07
Number of Positive Months	71	71
Number of Negative Months	49	49
% of Positive Months	59.17	59.17

Wasatch Emerging Markets
For the Periods Ending June 30, 2023



The rankings represent the portfolio's returns versus a peer universe. The rankings are on a scale of 1 to 100 with 1 being the best.

Wasatch Emerging Markets
For the One Year Periods Ending June



The rankings represent the portfolio's returns versus a peer universe. The rankings are on a scale of 1 to 100 with 1 being the best.

Private Equity - Active Funds

For the Period Ending June 30, 2023

Summary of Cash Flows for 6 Months

Cash Outflows	Cash Inflows	Net Cash Flows
-31,317,682	15,708,302	-15,609,380

Summary of Portfolio Inception to Date (Category totals include active and closed funds)

	Inception Date	Committed	Drawn to Date	Remaining Commitment	Distributions to Date	Adjusted Ending Value	Total Value	Total Value to Paid-in
Total	Feb-98	1,105,700,000	870,418,438	270,250,802	875,126,209	495,040,162	1,370,166,370	1.57x
Buyout	Apr-99	393,200,000	282,811,816	130,113,332	333,238,941	126,072,154	459,311,095	1.62x
Levine Leichtman III	Feb-03	10,000,000	10,612,096	-	18,311,648	-	18,311,648	1.73x
Thompson Street Capital II	Dec-06	10,000,000	10,525,084	655,027	20,255,555	273,141	20,528,696	1.95x
Sun Capital Partners V	May-07	12,500,000	13,063,247	448,794	13,971,447	1,085,795	15,057,242	1.15x
Levine Leichtman IV	Sep-08	10,000,000	9,284,222	1,065,574	15,393,824	947,162	16,340,986	1.76x
Thompson Street Capital III	Oct-11	7,500,000	8,167,797	449,665	14,369,790	1,300,729	15,670,519	1.92x
Arsenal Capital Partners III	Apr-12	7,500,000	7,919,901	1,011,386	17,162,702	1,211,473	18,374,175	2.32x
Apollo Investment Fund VIII	Feb-14	7,500,000	7,956,457	790,633	8,651,442	2,767,449	11,418,891	1.44x
Francisco Partners IV	Apr-15	8,000,000	7,796,000	204,000	15,400,030	8,123,085	23,523,115	3.02x
CenterOak Equity Fund I	Dec-15	7,500,000	7,369,234	725,453	12,027,088	3,432,009	15,459,097	2.10x
Thompson Street Capital IV	Jan-16	7,500,000	7,953,424	449,830	11,035,690	5,837,729	16,873,419	2.12x
Green Equity Investors VII	May-17	7,500,000	7,165,874	1,850,439	5,917,244	9,306,492	15,223,736	2.12x
Francisco Partners V	Jul-18	10,000,000	9,705,000	295,000	2,870,000	14,581,813	17,451,813	1.80x
Thompson Street Capital V	Aug-18	12,700,000	10,535,901	3,410,009	9,073,154	7,809,636	16,882,790	1.60x
Apollo Investment Fund IX	Mar-19	13,000,000	11,682,483	4,142,368	4,614,782	12,091,412	16,706,194	1.43x
Jade Equity Investors I	Apr-20	10,000,000	7,513,217	4,166,725	1,679,942	8,258,668	9,938,610	1.32x
Francisco Partners Agility II	Sep-20	5,000,000	3,182,500	1,817,500	-	4,073,780	4,073,780	1.28x
Green Equity Investors VIII	Oct-20	15,000,000	13,420,491	1,698,745	119,236	15,166,762	15,285,998	1.14x
Francisco Partners VI	Jan-21	20,000,000	16,950,000	3,050,000	-	19,023,712	19,023,712	1.12x
Thompson Street Capital VI	Mar-22	25,000,000	11,117,816	13,882,184	540,924	10,781,307	11,322,231	1.02x
Francisco Partners VII		20,000,000	-	20,000,000	-	-	-	-
Francisco Partners Agility III		5,000,000	-	5,000,000	-	-	-	-
Green Equity Investors IX		15,000,000	-	15,000,000	-	-	-	-
Jade Equity Investors II		10,000,000	-	10,000,000	-	-	-	-
Clayton, Dubilier, & Rice Fund XII		20,000,000	-	20,000,000	-	-	-	-
Saw Mill Capital Partners III		20,000,000	-	20,000,000	-	-	-	-

Private Equity - Active Funds

For the Period Ending June 30, 2023

Summary of Portfolio Inception to Date (Category totals include active and closed funds)

	Inception Date	Committed	Drawn to Date	Remaining Commitment	Distributions to Date	Adjusted Ending Value	Total Value	Total Value to Paid-in
Distressed	Feb-98	203,500,000	184,796,906	22,134,027	184,199,852	75,351,052	259,550,904	1.40x
Oaktree Opportunities VII A	Mar-07	7,500,000	7,500,000	-	10,320,103	67,100	10,387,203	1.38x
Oaktree Opportunities VII B	Jun-08	7,500,000	6,750,000	375,000	11,692,666	2,917	11,695,583	1.73x
Oaktree Opportunities VIII	Dec-09	7,500,000	7,500,000	-	10,980,878	23,204	11,004,082	1.47x
Oaktree Opportunities IX	Mar-13	7,500,000	7,500,000	-	6,755,710	6,168,827	12,924,537	1.72x
Oaktree European Dislocation Fund	Nov-13	7,500,000	4,345,500	697,500	4,570,399	52,344	4,622,743	1.06x
Oaktree Opportunities Fund X	Jul-15	7,500,000	6,975,000	1,275,000	5,781,699	4,577,511	10,359,210	1.49x
Apollo EPF III	Jan-18	10,000,000	13,474,542	2,911,527	9,313,141	6,536,994	15,850,135	1.18x
Oaktree Opportunities Fund Xb	Jun-18	7,500,000	5,625,000	1,875,000	-	8,312,574	8,312,574	1.48x
CarVal Credit Value Fund V	Jul-20	30,000,000	19,500,000	10,500,000	-	20,756,882	20,756,882	1.06x
Oaktree Opportunities XI	Aug-20	30,000,000	25,500,000	4,500,000	73,065	28,852,699	28,925,764	1.13x
Emerging Markets Focused	Mar-12	7,500,000	8,976,014	407,311	7,610,598	4,026,976	11,637,574	1.30x
Actis EM IV	Mar-12	7,500,000	8,976,014	407,311	7,610,598	4,026,976	11,637,574	1.30x
Mezzanine	Mar-99	49,500,000	51,446,479	2,804,931	73,880,641	824,397	74,705,038	1.45x
TCW Mezzanine Fund V	Mar-08	10,000,000	7,507,009	2,492,991	11,246,473	53,557	11,300,030	1.51x
Newstone Capital Partners II	Dec-10	7,500,000	10,036,257	311,940	11,660,368	770,840	12,431,208	1.24x
Other	Feb-13	71,500,000	64,815,903	11,914,889	39,870,499	57,279,933	97,150,432	1.50x
EnCap Energy Fund IX	Feb-13	6,500,000	7,484,322	252,854	8,251,777	2,530,985	10,782,762	1.44x
EnCap Energy Fund X	Apr-15	7,500,000	7,774,319	332,703	8,717,544	4,725,404	13,442,948	1.73x
ArcLight Energy Partners VI, L.P.	Aug-15	7,500,000	7,807,282	1,050,714	6,175,273	3,074,328	9,249,601	1.18x
EnCap Energy Fund XI	Jul-17	10,000,000	9,040,741	1,628,760	3,246,280	9,476,406	12,722,686	1.41x
North Sky Clean Growth V	Sep-19	25,000,000	22,500,000	2,500,000	9,199,632	25,545,075	34,744,707	1.54x
ArcLight Energy Partners VII, L.P.	Feb-20	15,000,000	10,209,239	6,149,858	4,279,993	11,927,734	16,207,727	1.59x
Secondary Fund of Funds	Dec-05	30,000,000	21,226,531	10,326,939	29,560,519	103,346	29,663,865	1.40x
Lexington VI	Dec-05	20,000,000	21,226,531	326,939	29,560,519	103,346	29,663,865	1.40x
TrueBridge Secondaries I		10,000,000	-	10,000,000	-	-	-	-

Private Equity - Active Funds

For the Period Ending June 30, 2023

Summary of Portfolio Inception to Date (Category totals include active and closed funds)

	Inception Date	Committed	Drawn to Date	Remaining Commitment	Distributions to Date	Adjusted Ending Value	Total Value	Total Value to Paid-in
Venture Capital	Jul-99	350,500,000	256,344,789	92,549,373	206,765,158	231,382,304	438,147,462	1.71x
Accel Europe	May-01	10,000,000	10,000,000	-	12,816,167	319,873	13,136,040	1.31x
Knightsbridge Fund VI	Dec-04	12,000,000	10,960,000	1,040,000	17,952,368	3,311,042	21,263,410	1.94x
Firstmark Capital Fund I	Nov-05	5,000,000	4,950,000	50,000	40,591,752	6,930,234	47,521,986	9.60x
Weathergage Venture Capital I	Mar-07	7,500,000	6,862,500	637,500	13,843,261	3,484,259	17,327,520	2.52x
Warburg Pincus X	Oct-07	15,000,000	15,000,000	-	26,334,063	275,395	26,609,458	1.77x
Weathergage Venture Capital II	Apr-11	7,500,000	6,975,000	525,000	17,570,159	8,672,057	26,242,216	3.76x
Firstmark Capital Fund II	Aug-11	5,000,000	5,022,365	-	2,990,424	7,123,927	10,114,350	2.01x
Warburg Pincus XI	Nov-12	7,500,000	7,500,000	-	9,696,519	3,203,015	12,899,534	1.72x
Firstmark Capital Fund III	Feb-14	5,000,000	5,000,000	-	3,043,784	15,329,659	18,373,443	3.67x
Firstmark Capital Opportunity Fund I	Jun-14	5,000,000	5,150,000	111,808	7,084,727	3,002,500	10,087,227	1.96x
Warburg Pincus XII	Dec-15	10,000,000	9,865,000	135,000	10,314,589	9,662,602	19,977,191	2.03x
Weathergage Venture Capital IV	Dec-16	10,000,000	7,200,000	2,800,000	615,937	17,007,598	17,623,535	2.45x
FirstMark Capital Fund IV	Apr-17	7,500,000	7,275,000	225,000	848,042	15,648,517	16,496,558	2.27x
FirstMark Capital Opportunity Fund II	Jan-18	7,500,000	7,500,000	-	5,047,087	13,326,100	18,373,187	2.45x
Warburg Pincus Global Growth	Mar-19	40,000,000	36,180,000	3,820,000	794,000	48,722,994	49,516,994	1.37x
TA Associates XIII	Dec-19	10,000,000	9,800,000	850,000	3,575,000	12,492,967	16,067,967	1.64x
FirstMark Capital Opportunity Fund III	Jun-20	12,500,000	12,815,308	-	315,308	12,538,866	12,854,174	1.00x
FirstMark Capital Fund V	Jul-20	12,500,000	10,000,000	2,500,000	287,284	10,929,136	11,216,420	1.12x
Stepstone VC Global Partners X	Feb-21	25,000,000	15,758,380	9,250,000	-	16,458,450	16,458,450	1.04x
Redmile Biopharma Investments III, L.P.	Oct-21	20,000,000	8,682,435	11,317,565	-	8,095,093	8,095,093	0.93x
TA Associates XIV	Dec-21	15,000,000	9,900,000	5,100,000	-	9,135,288	9,135,288	0.92x
Warburg Pincus Global Growth 14	Jun-22	25,000,000	5,000,000	20,000,000	-	4,900,233	4,900,233	0.98x
FirstMark Capital Opportunity Fund IV	Apr-23	12,500,000	812,500	11,687,500	-	812,500	812,500	1.00x
FirstMark Capital VI		12,500,000	-	12,500,000	-	-	-	-
TrueBridge Capital Partners Fund VIII		10,000,000	-	10,000,000	-	-	-	-

Page intentionally left blank.

Fixed Income Manager Performance

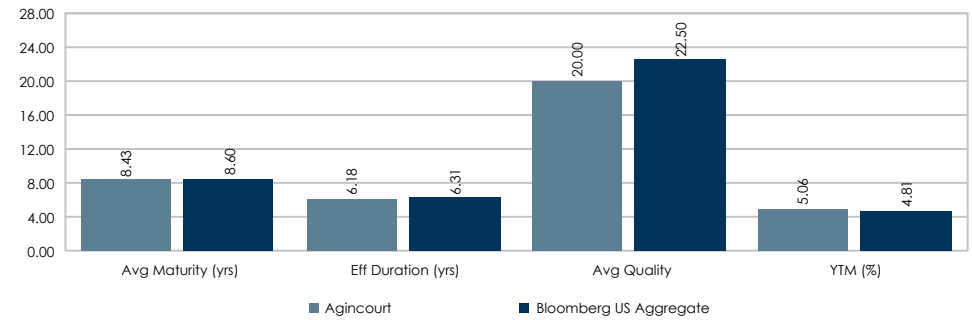
Agincourt Core Fixed Income

For the Periods Ending June 30, 2023

Account Description

- **Strategy** Core Bonds
- **Vehicle** Separately Managed Account
- **Benchmark** Bloomberg US Aggregate
- **Performance Inception Date** October 1999
- **Fees** 25 bps on the first \$25 million, 20 bps on the next \$75 million, 15 bps on the next \$50 million, and 10 bps on the next \$50 million

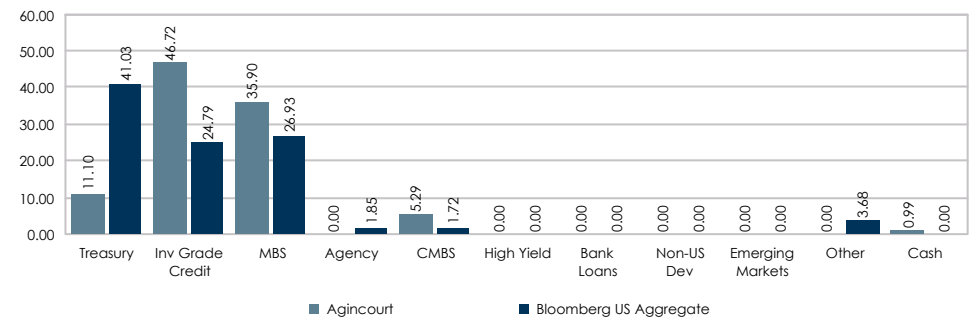
Characteristics



Performance Goals

- Outperform the Bloomberg US Aggregate.
- Over rolling three year periods, rank above the median in the eA US Core Fixed Income universe.

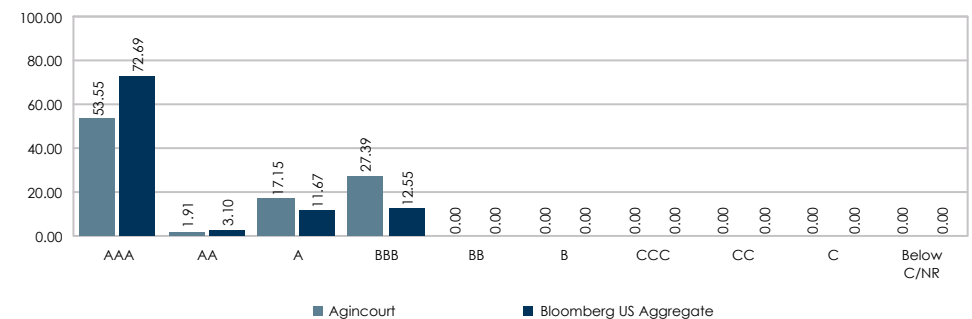
Sector Allocation



Dollar Growth Summary (\$000s)

	3 Months	FYTD
Beginning Market Value	231,534	231,109
Net Additions	-7,588	-7,851
Return on Investment	-1,139	-452
Income	2,062	8,144
Gain/Loss	-3,201	-8,595
Ending Market Value	222,807	222,807

Quality Allocation

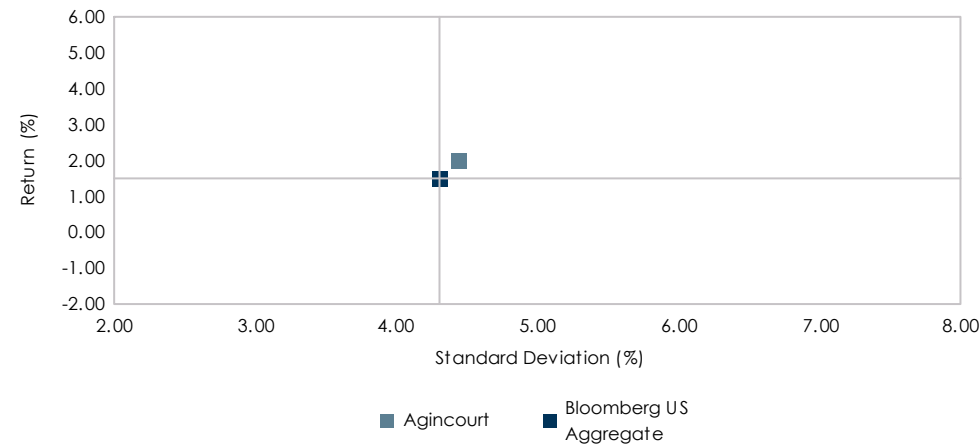


The Other sector consists of ABS, CMO, Convertibles, Municipals, Private Placements/144As and TIPS.

Agincourt Core Fixed Income

For the Periods Ending June 30, 2023

10 Year Risk / Return



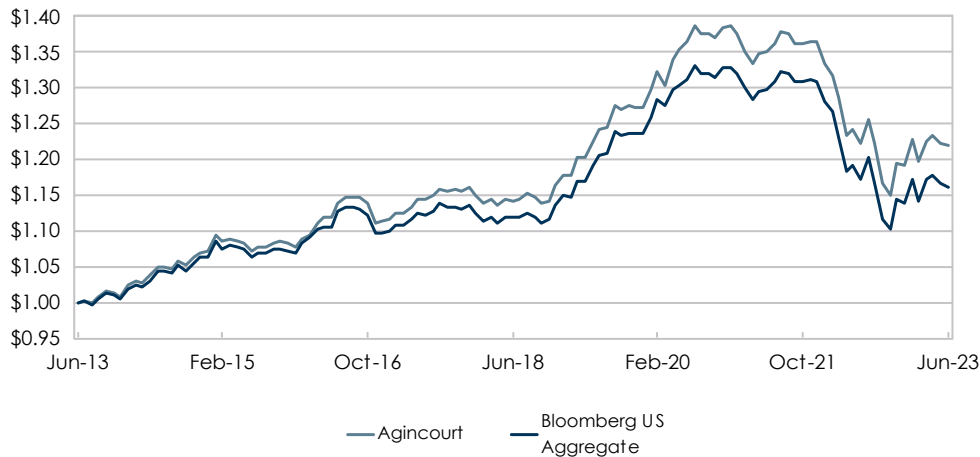
10 Year Portfolio Statistics

	Agincourt	Bloomberg US Aggregate
Return (%)	2.01	1.52
Standard Deviation (%)	4.44	4.30
Sharpe Ratio	0.24	0.14

Benchmark Relative Statistics

Beta	1.02
R Squared (%)	98.31
Alpha (%)	0.46
Tracking Error (%)	0.59
Batting Average (%)	62.50
Up Capture (%)	107.65
Down Capture (%)	99.07

10 Year Growth of a Dollar

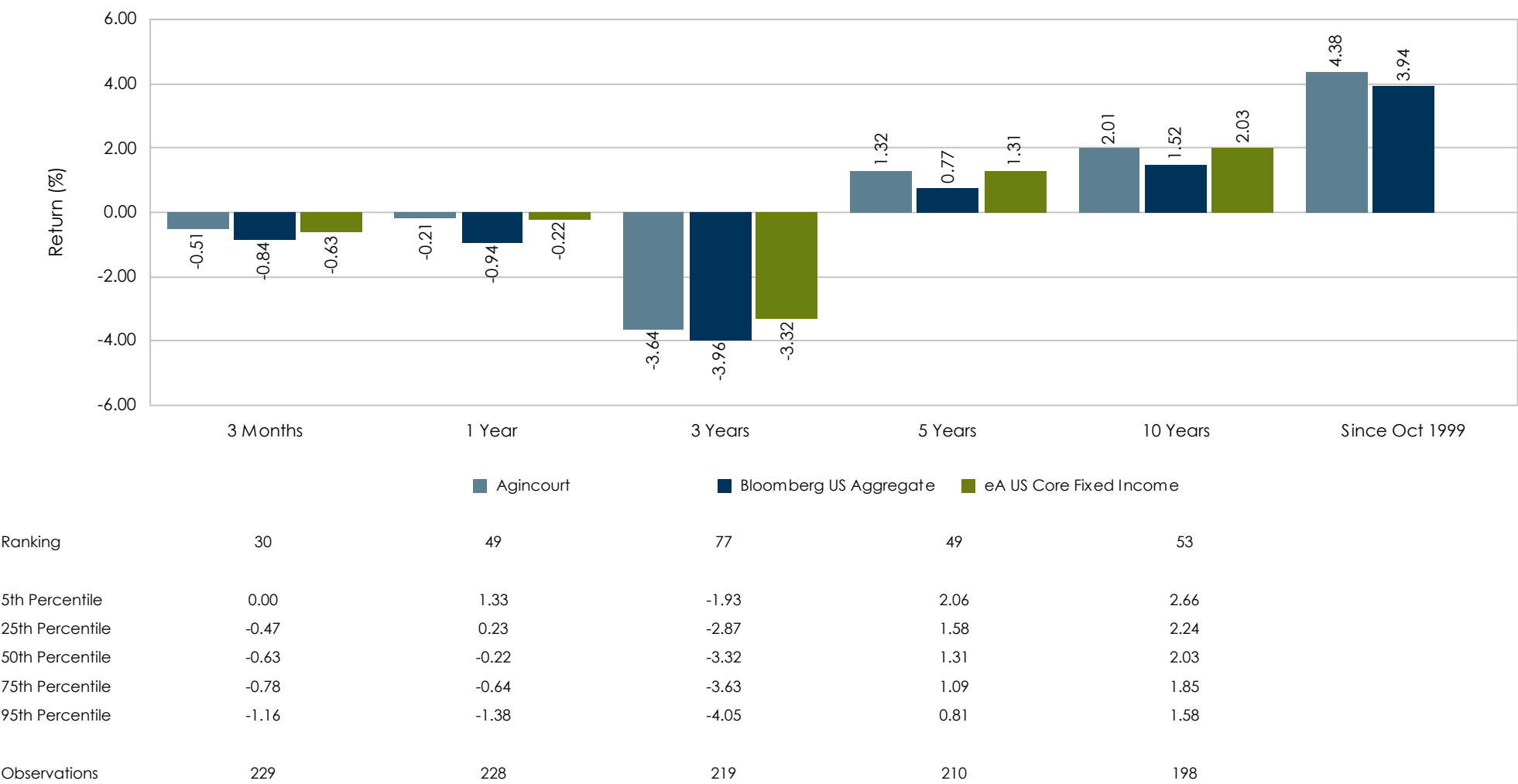


10 Year Return Analysis

	Agincourt	Bloomberg US Aggregate
Number of Months	120	120
Highest Monthly Return (%)	3.78	3.68
Lowest Monthly Return (%)	-4.55	-4.32
Number of Positive Months	67	66
Number of Negative Months	53	54
% of Positive Months	55.83	55.00

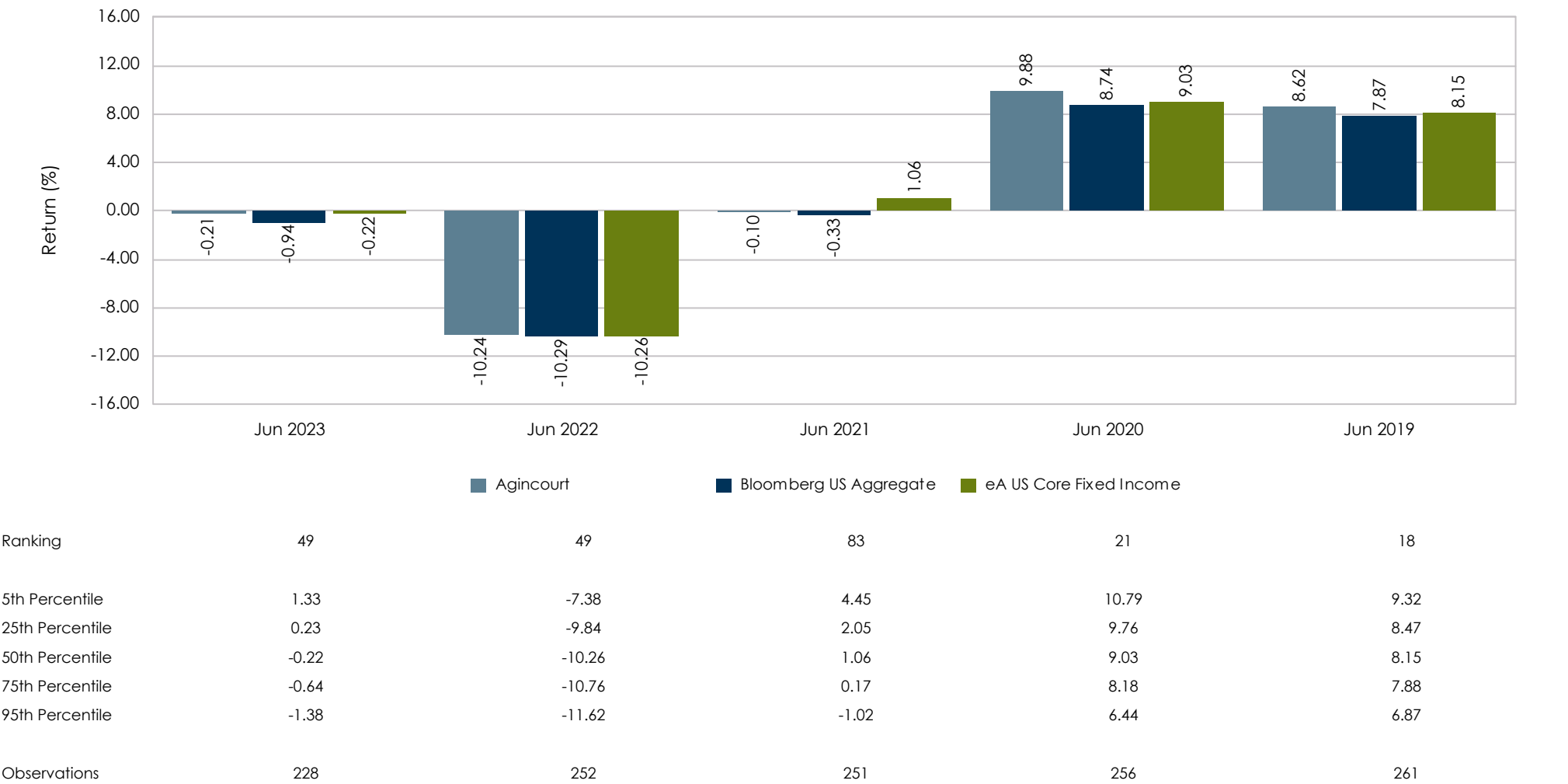
Agincourt Core Fixed Income

For the Periods Ending June 30, 2023



The rankings represent the portfolio's returns versus a peer universe. The rankings are on a scale of 1 to 100 with 1 being the best.

Agincourt Core Fixed Income
For the One Year Periods Ending June



The rankings represent the portfolio's returns versus a peer universe. The rankings are on a scale of 1 to 100 with 1 being the best.

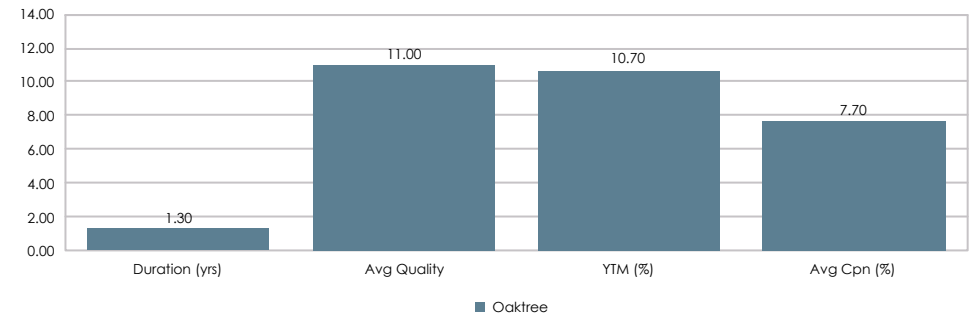
Oaktree Global Credit Fund

For the Periods Ending June 30, 2023

Account Description

- **Strategy** Multi-Sector Fixed Income
- **Vehicle** Limited Partnership
- **Benchmark** Custom Blended Index
- **Performance Inception Date** February 1998
- **Fees** 50 bps plus operating expenses

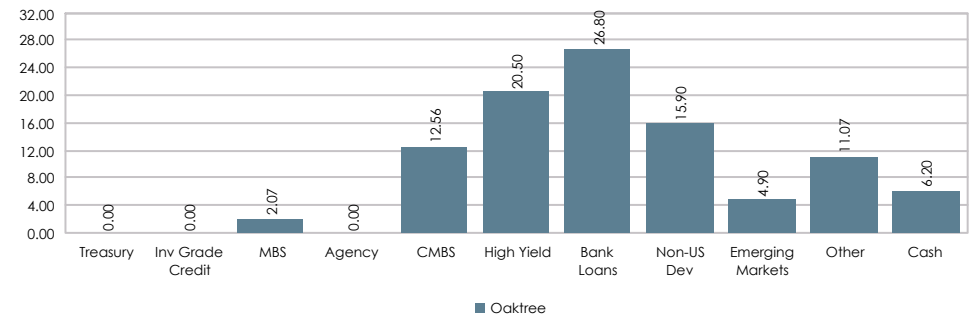
Characteristics



Performance Goals

- Outperform the Custom Blended Index.

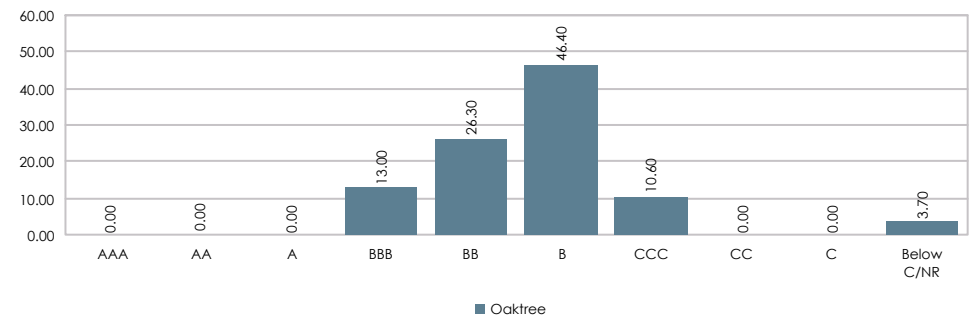
Sector Allocation



Dollar Growth Summary (\$000s)

	3 Months	FYTD
Beginning Market Value	129,862	122,749
Net Additions	-192	-770
Return on Investment	3,159	10,849
Ending Market Value	132,829	132,829

Quality Allocation



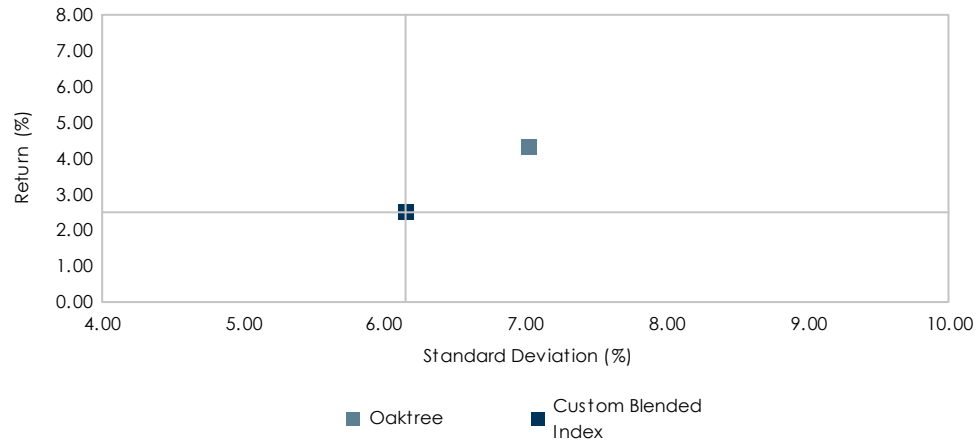
Characteristic and allocation charts represents the composite data of the Oaktree Capital Management, L.P.\Global Credit.

The Other sector consists of ABS, CMO, Convertibles, Municipals, Private Placements/144As and TIPS.

Oaktree Global Credit Fund

For the Periods Ending June 30, 2023

10 Year Risk / Return



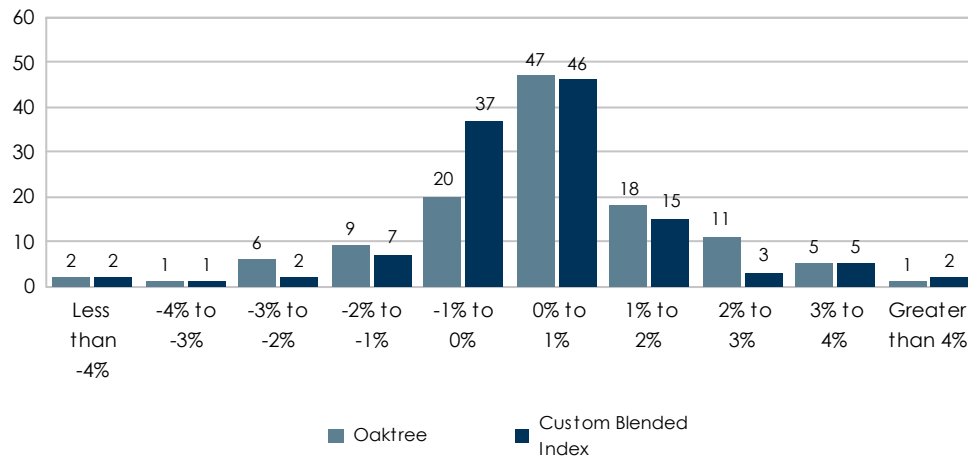
10 Year Portfolio Statistics

	Oaktree	Custom Blended Index
Return (%)	4.32	2.52
Standard Deviation (%)	7.02	6.15
Sharpe Ratio	0.48	0.26

Benchmark Relative Statistics

Beta	0.95
R Squared (%)	69.39
Alpha (%)	1.95
Tracking Error (%)	3.90
Batting Average (%)	59.17
Up Capture (%)	100.94
Down Capture (%)	68.80

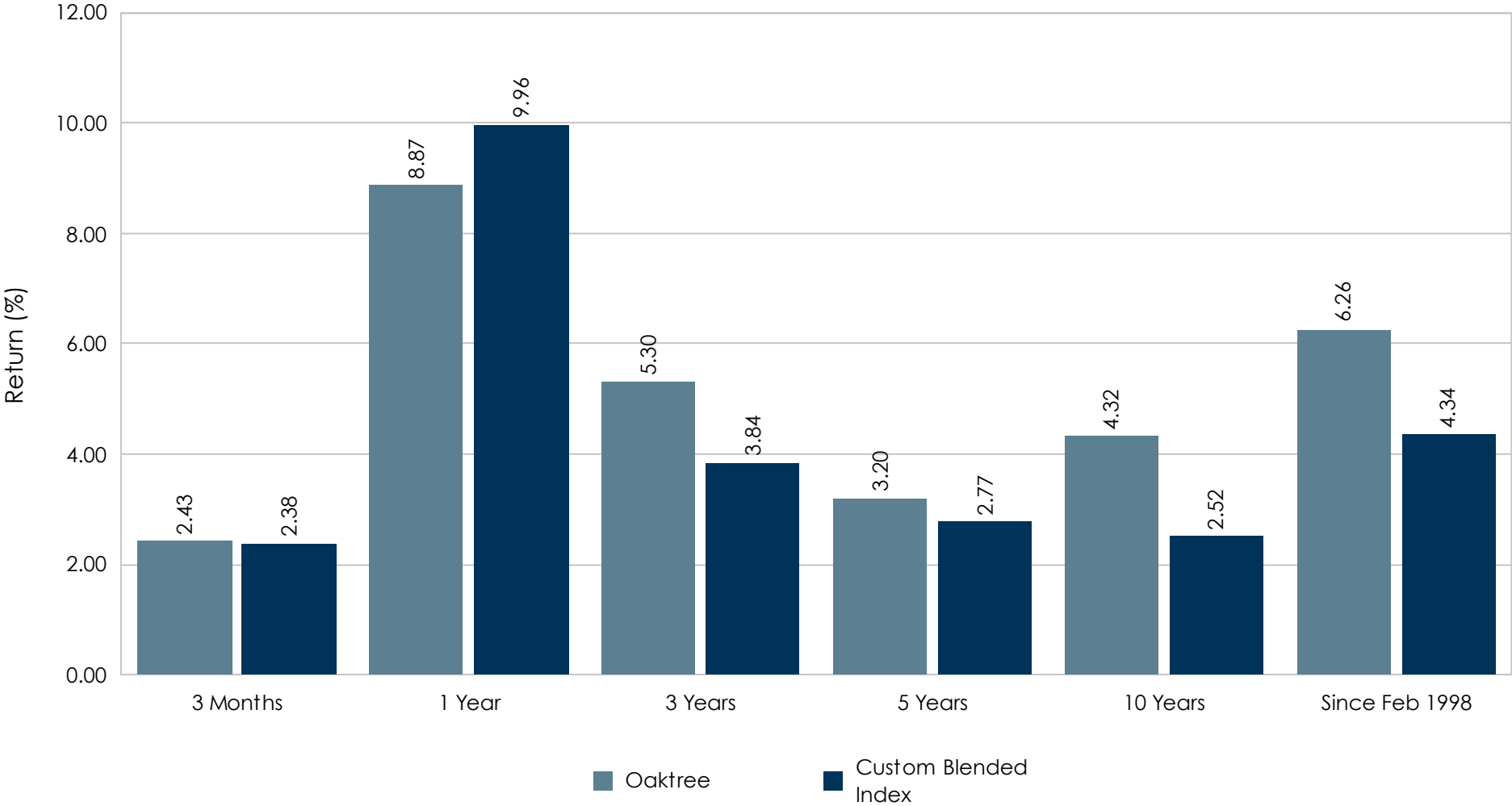
10 Year Return Histogram



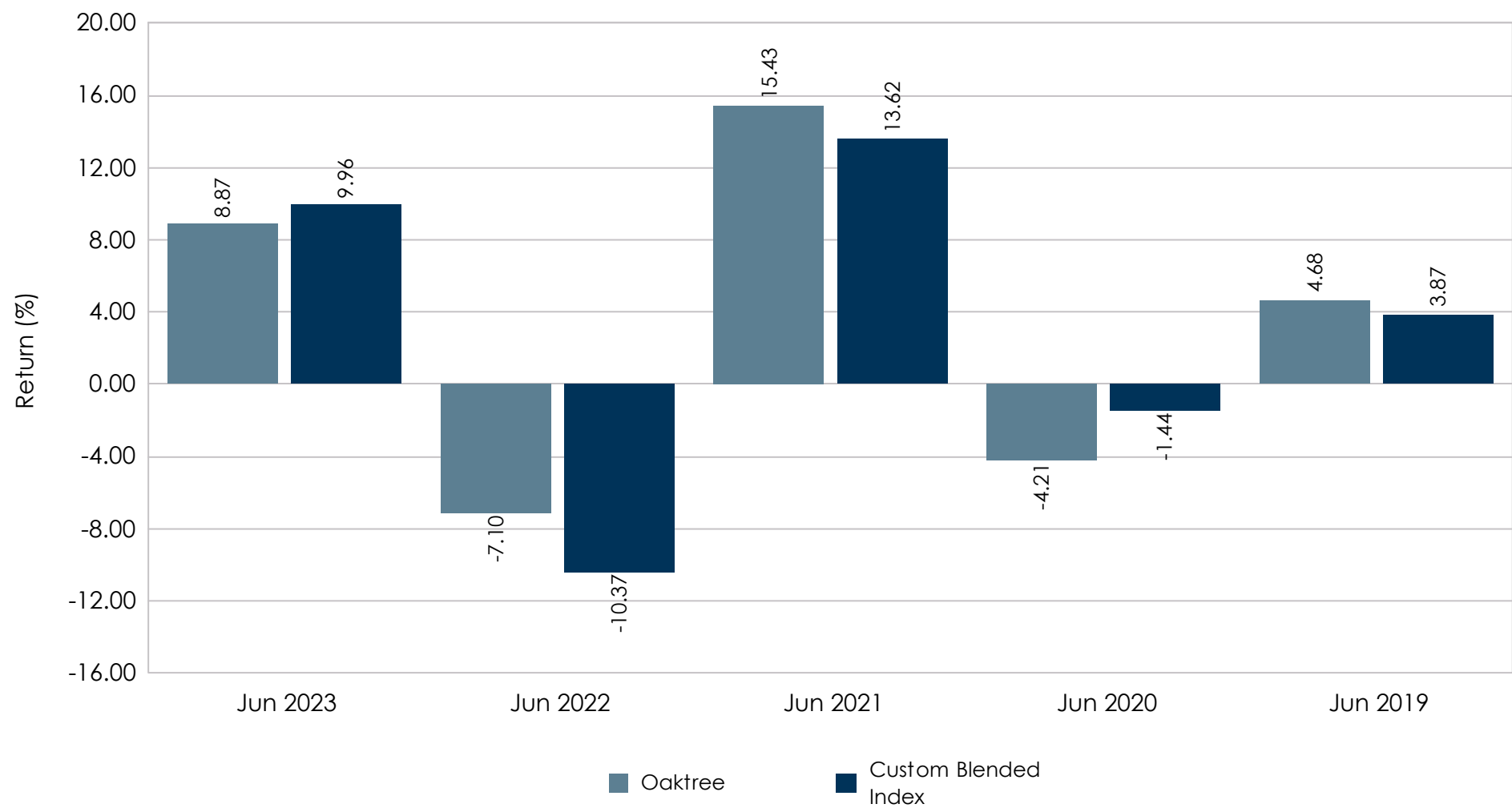
10 Year Return Analysis

	Oaktree	Custom Blended Index
Number of Months	120	120
Highest Monthly Return (%)	4.31	4.42
Lowest Monthly Return (%)	-14.98	-12.62
Number of Positive Months	82	71
Number of Negative Months	38	49
% of Positive Months	68.33	59.17

Oaktree Global Credit Fund
For the Periods Ending June 30, 2023



Oaktree Global Credit Fund
For the One Year Periods Ending June



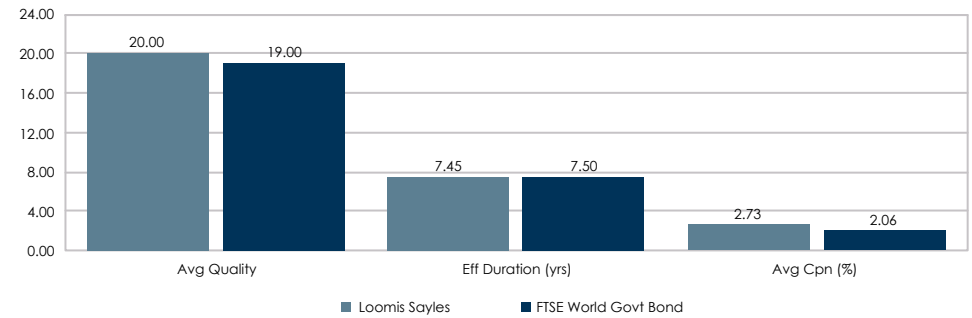
Loomis Sayles

For the Periods Ending June 30, 2023

Account Description

- **Strategy** Multi-Sector Fixed Income
- **Vehicle** Non-Mutual Commingled
- **Benchmark** FTSE World Govt Bond
- **Performance Inception Date** June 2008
- **Fees** First \$75M at 35 bps, balance at 25 bps

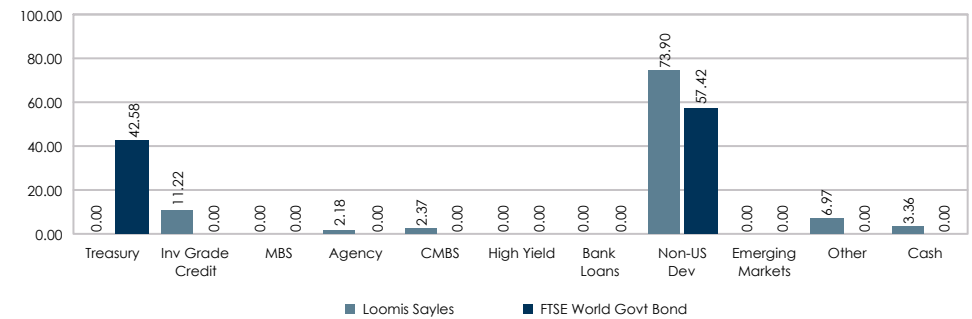
Characteristics



Performance Goals

- Outperform the FTSE World Govt Bond.
- Over rolling three year periods, rank above the median in the eA All Global Fixed Income universe.

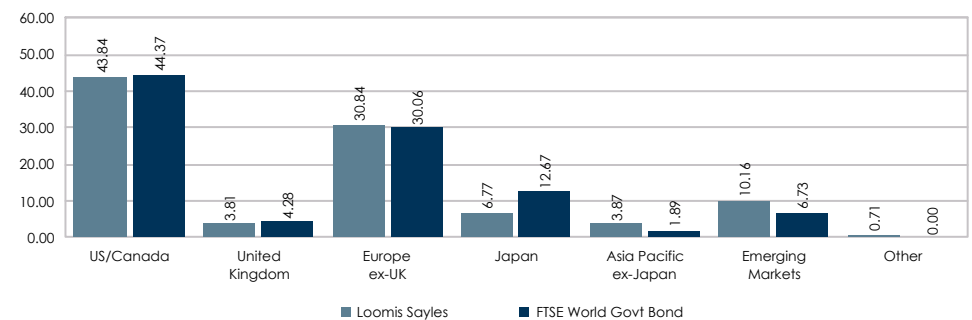
Sector Allocation



Dollar Growth Summary (\$000s)

	3 Months	FYTD
Beginning Market Value	72,964	73,160
Net Additions	-7,562	-7,753
Return on Investment	-1,066	-1,071
Ending Market Value	64,336	64,336

Regional Allocation



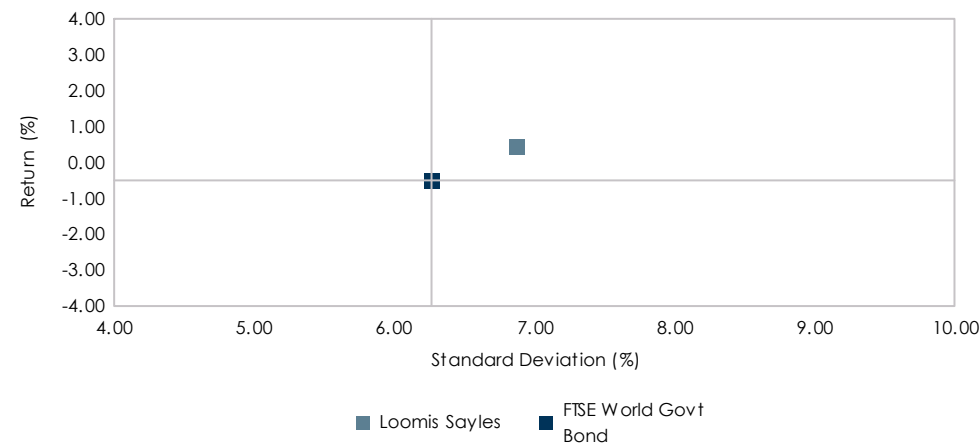
Characteristic and allocation charts represents data of the Loomis World Bond NH Trust (Non-Mutual Commingled).

The Other sector consists of ABS, CMO, Convertibles, Municipals, Private Placements/144As and TIPS.

Loomis Sayles

For the Periods Ending June 30, 2023

10 Year Risk / Return



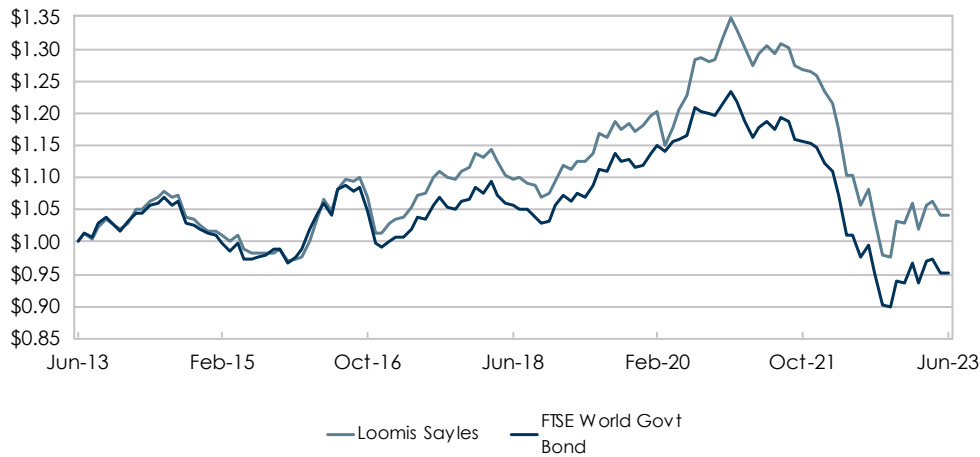
10 Year Portfolio Statistics

	Loomis Sayles	FTSE World Govt Bond
Return (%)	0.42	-0.48
Standard Deviation (%)	6.87	6.26
Sharpe Ratio	-0.07	-0.23

Benchmark Relative Statistics

Beta	1.04
R Squared (%)	90.56
Alpha (%)	0.96
Tracking Error (%)	2.13
Batting Average (%)	58.33
Up Capture (%)	113.38
Down Capture (%)	100.75

10 Year Growth of a Dollar

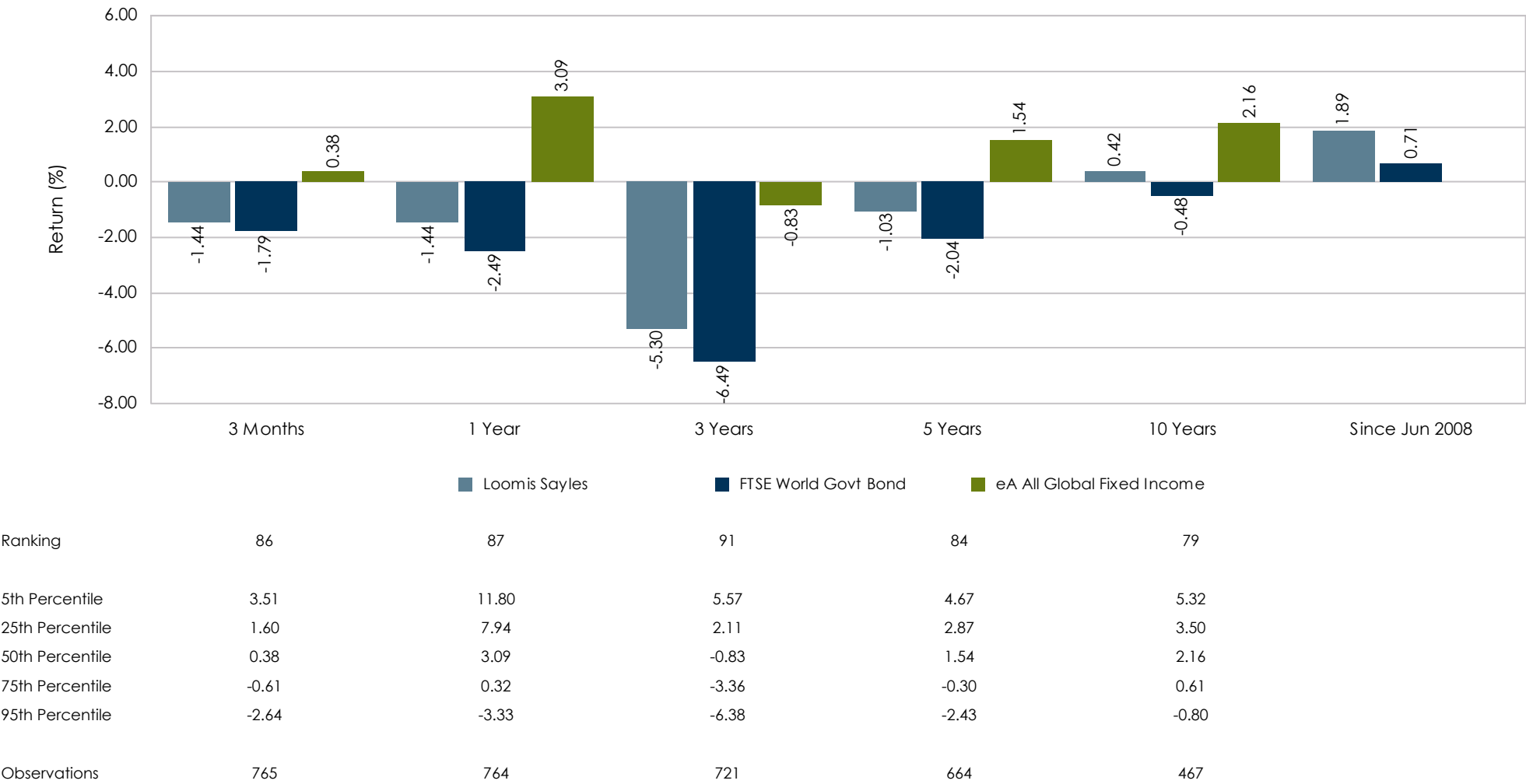


10 Year Return Analysis

	Loomis Sayles	FTSE World Govt Bond
Number of Months	120	120
Highest Monthly Return (%)	5.65	4.54
Lowest Monthly Return (%)	-6.25	-5.88
Number of Positive Months	64	57
Number of Negative Months	56	63
% of Positive Months	53.33	47.50

Loomis Sayles

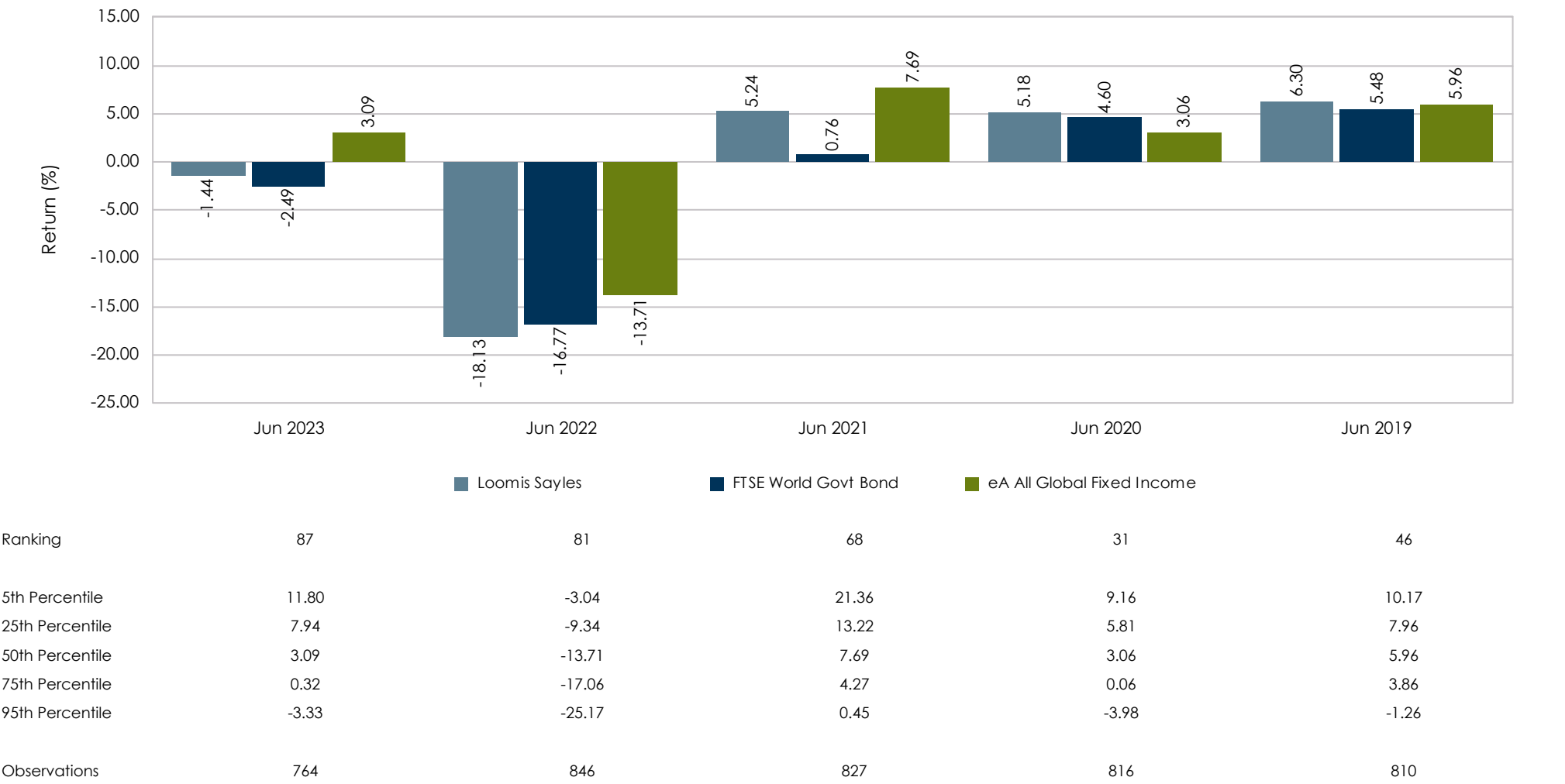
For the Periods Ending June 30, 2023



The rankings represent the portfolio's returns versus a peer universe. The rankings are on a scale of 1 to 100 with 1 being the best.

Loomis Sayles

For the One Year Periods Ending June



The rankings represent the portfolio's returns versus a peer universe. The rankings are on a scale of 1 to 100 with 1 being the best.

Private Credit - Active Funds*For the Period Ending June 30, 2023***Summary of Cash Flows for 6 Months**

Cash Outflows	Cash Inflows	Net Cash Flows
-3,084,709	6,742,400	3,657,691

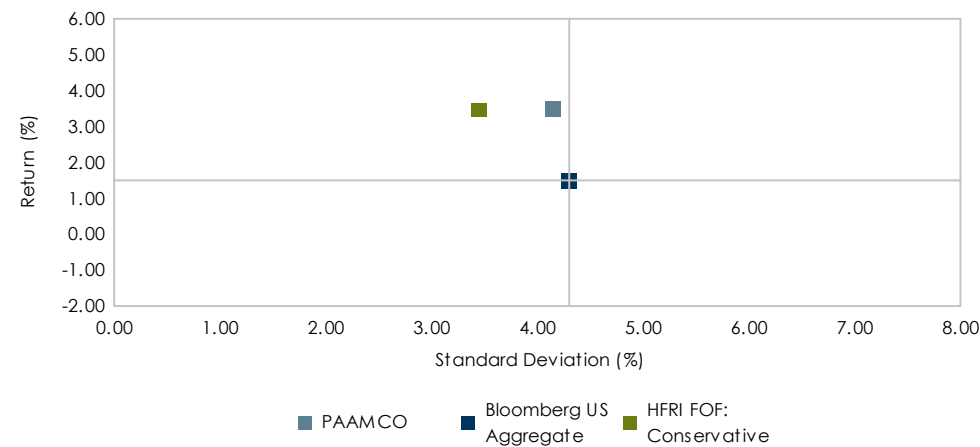
Summary of Portfolio Inception to Date (Category totals include active and closed funds)

	Inception Date	Committed	Drawn to Date	Remaining Commitment	Distributions to Date	Adjusted Ending Value	Total Value	Total Value to Paid-in
Total	Sep-16	151,100,000	105,320,182	20,340,588	103,745,345	22,990,857	126,736,202	1.20x
Mezzanine	Jan-17	20,000,000	20,828,484	631,370	22,615,818	6,643,645	29,259,463	1.40x
Newstone Capital Partners III	Jan-17	20,000,000	20,828,484	631,370	22,615,818	6,643,645	29,259,463	1.40x
Other	Sep-16	131,100,000	84,491,698	19,709,218	81,129,527	16,347,212	97,476,739	1.15x
LBC Credit Partners Fund IV	Sep-16	40,000,000	36,000,000	10,817,218	35,938,312	8,004,951	43,943,263	1.22x
Apollo Accord IV	Dec-20	19,000,000	3,515,000	-	4,178,389	-	4,178,389	1.19x
Apollo Accord V	May-22	17,100,000	10,876,698	8,892,000	2,668,698	8,342,261	11,010,958	1.01x

PAAMCO

For the Periods Ending June 30, 2023

10 Year Risk / Return



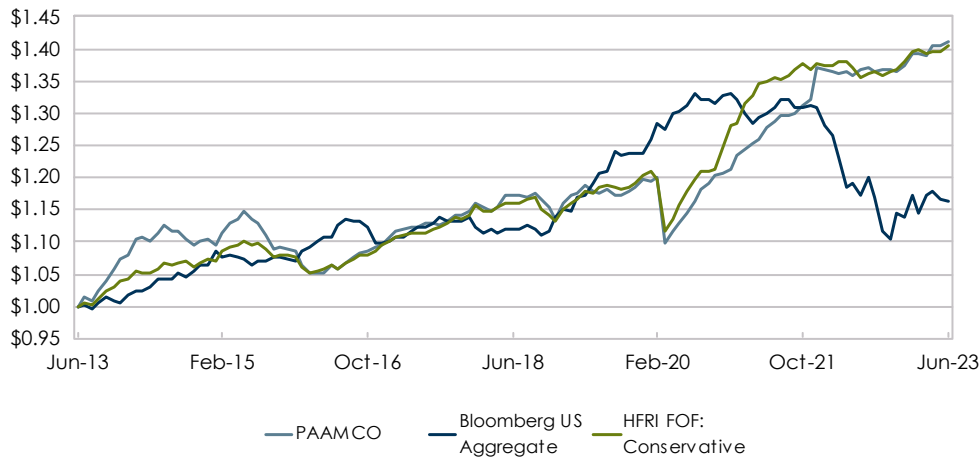
10 Year Portfolio Statistics

	PAAMCO	Bloomberg US Aggregate	HFRI FOF: Conservative
Return (%)	3.50	1.52	3.47
Standard Deviation (%)	4.15	4.30	3.44
Sharpe Ratio	0.62	0.14	0.74

Benchmark Relative Statistics

	Bloomberg US Aggregate	HFRI FOF: Conservative
Beta	-0.02	0.97
R Squared (%)	0.02	64.05
Alpha (%)	3.62	0.18
Tracking Error (%)	6.03	2.49
Batting Average (%)	64.17	52.50
Up Capture (%)	34.88	97.40
Down Capture (%)	-27.94	92.96

10 Year Growth of a Dollar

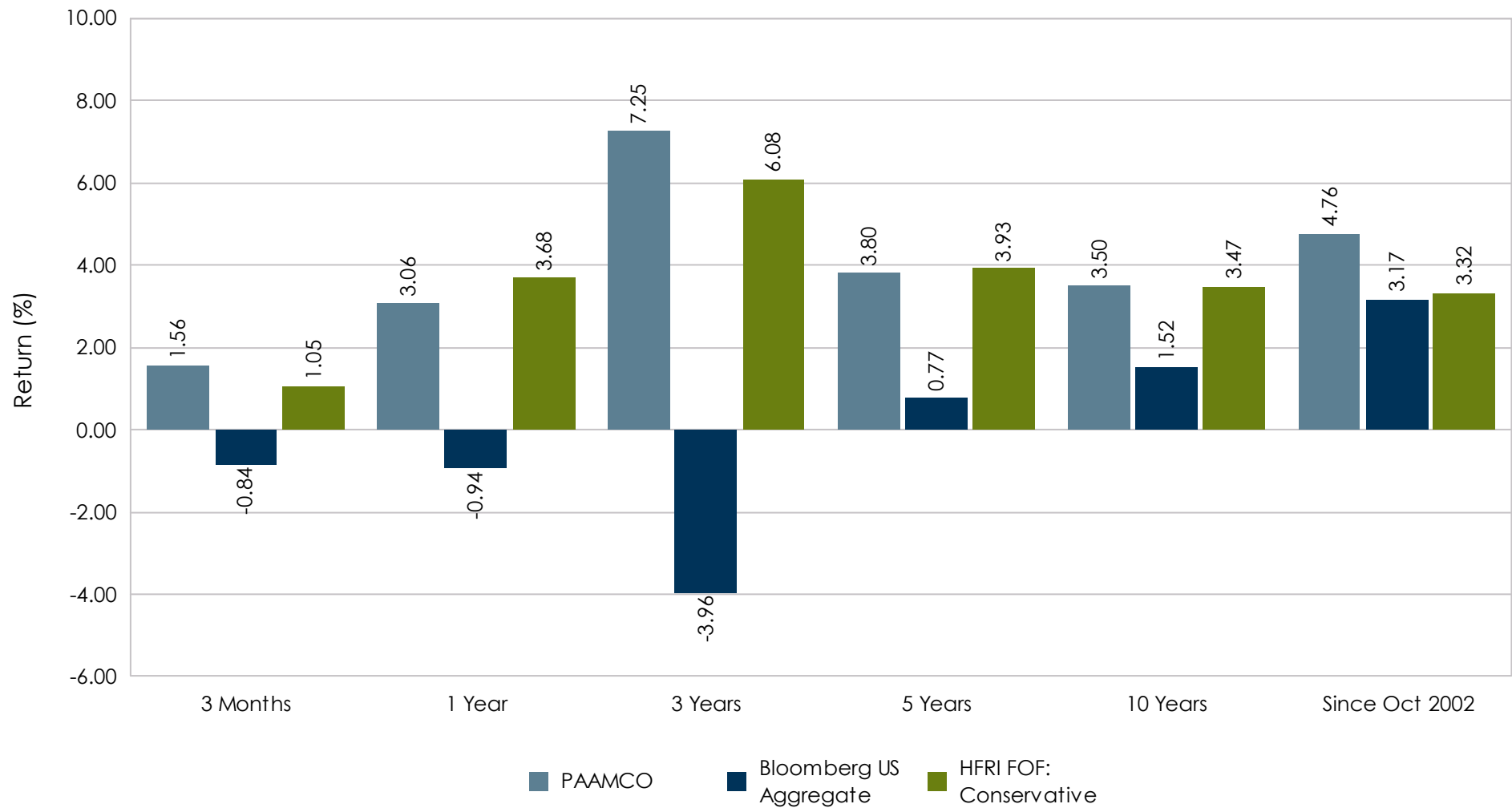


10 Year Return Analysis

	PAAMCO	Bloomberg US Aggregate	HFRI FOF: Conservative
Number of Months	120	120	120
Highest Monthly Return (%)	3.64	3.68	2.73
Lowest Monthly Return (%)	-8.32	-4.32	-6.78
Number of Positive Months	79	66	86
Number of Negative Months	41	54	34
% of Positive Months	65.83	55.00	71.67

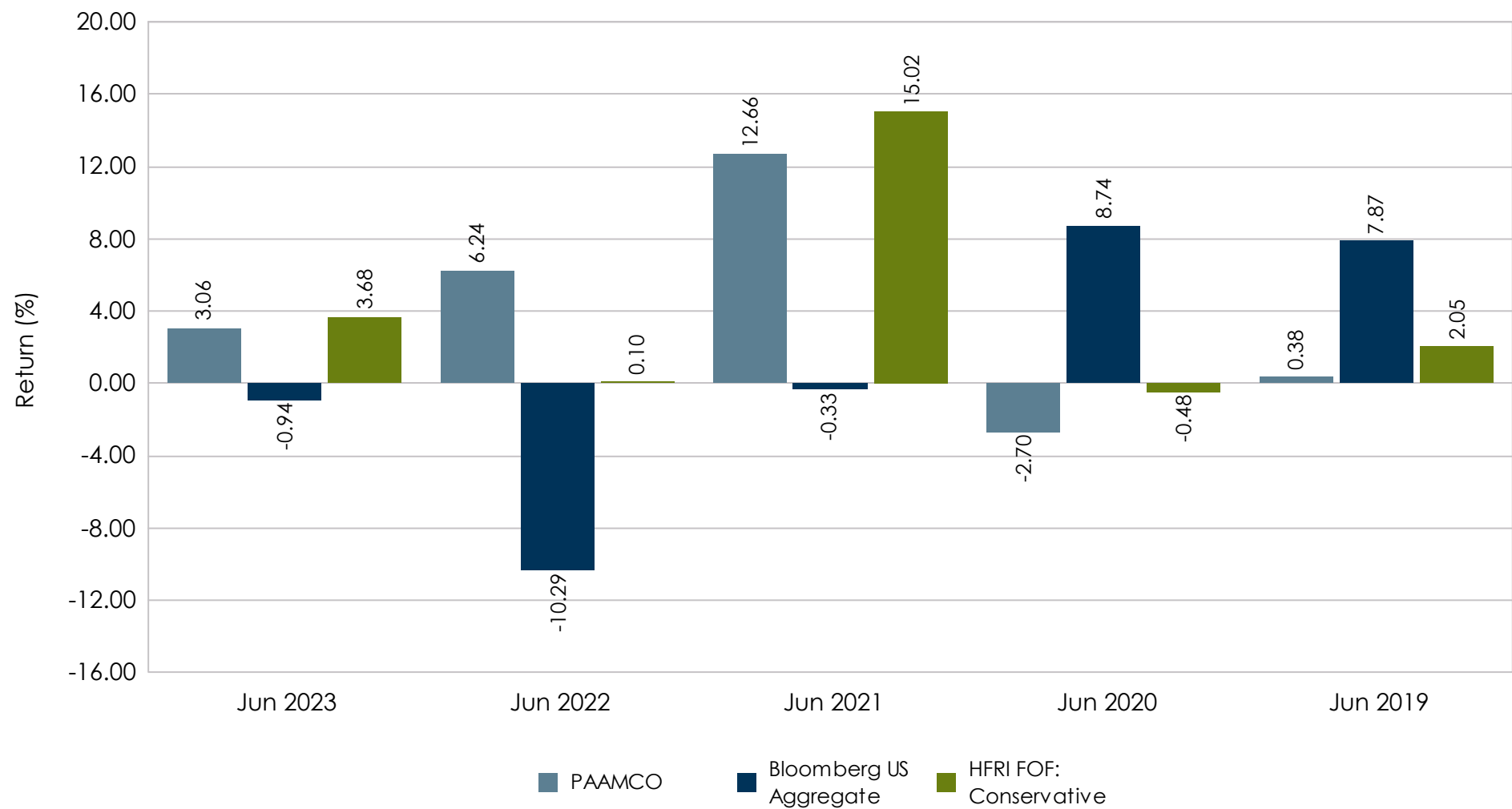
PAAMCO

For the Periods Ending June 30, 2023



PAAMCO

For the One Year Periods Ending June



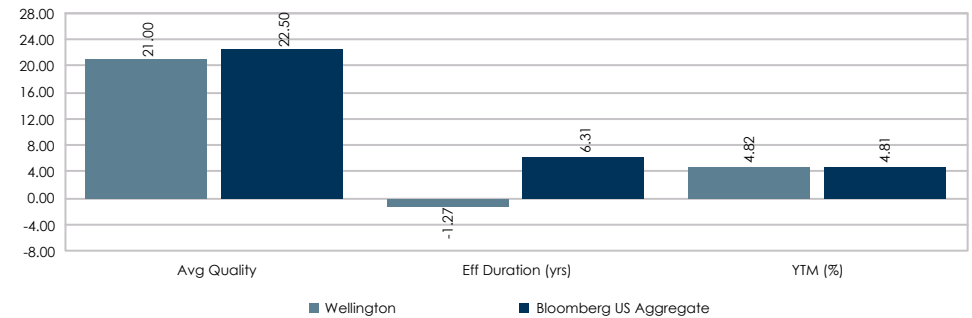
Wellington Global Total Return

For the Periods Ending June 30, 2023

Account Description

- **Strategy** Absolute Return
- **Vehicle** Non-Mutual Commingled
- **Benchmark** Bloomberg US Aggregate
- **Performance Inception Date** December 2016
- **Fees** 25 bps, plus 20% of excess return beyond cash + 1%

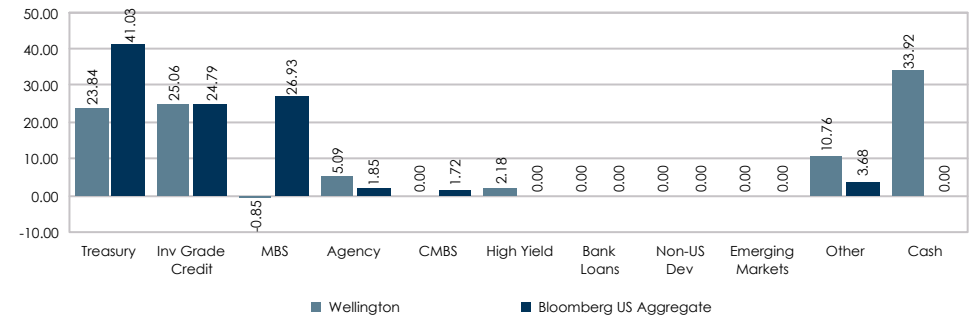
Characteristics



Performance Goals

- Outperform the Bloomberg US Aggregate.
- Over rolling three year periods, rank above the median in the eA Global Unconstrained Fixed Income universe.

Sector Allocation



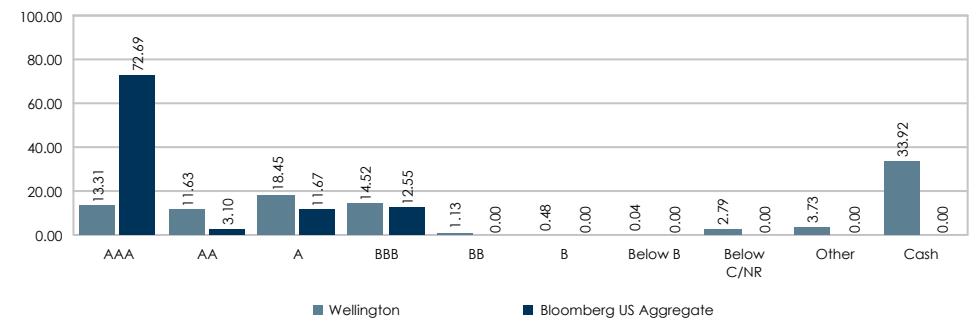
Dollar Growth Summary (\$000s)

3 Months

FYTD

Beginning Market Value	83,091	81,916
Net Additions	-10,052	-10,682
Return on Investment	-152	1,654
Ending Market Value	72,888	72,888

Quality Allocation

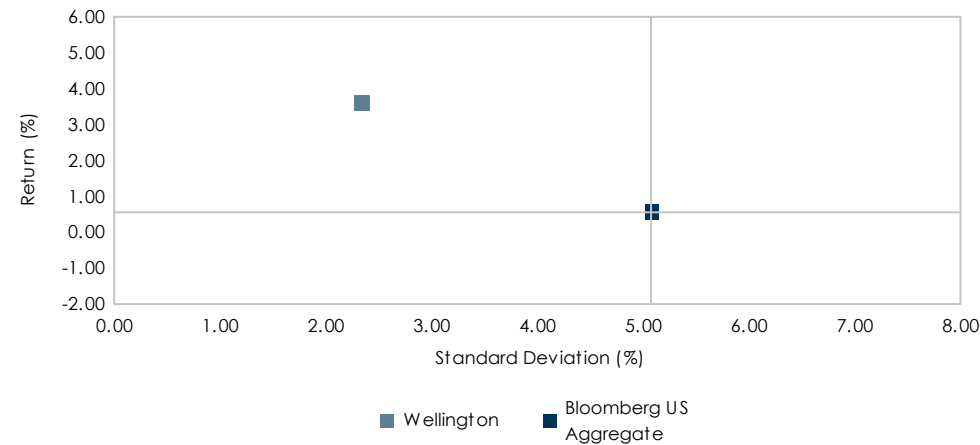


The Other sector consists of ABS, CMO, Convertibles, Municipals, Private Placements/144As and TIPS.

Wellington Global Total Return

For the Periods Ending June 30, 2023

6 Year Risk / Return



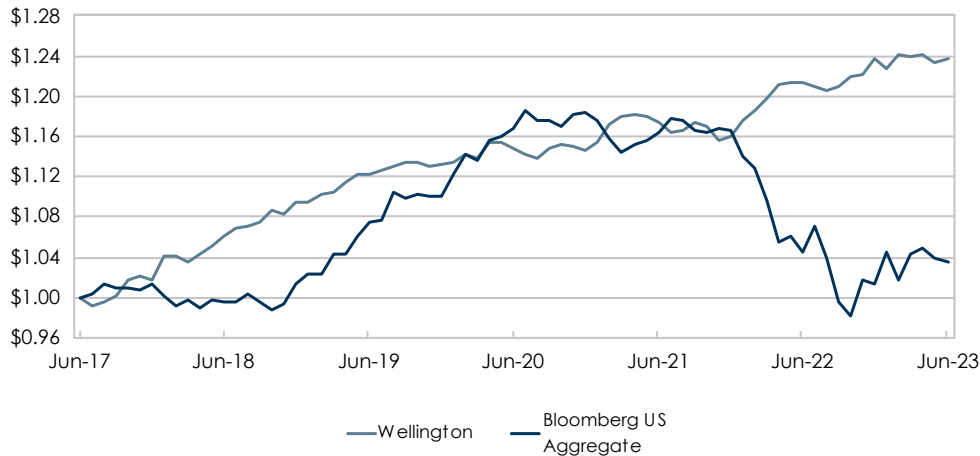
6 Year Portfolio Statistics

	Wellington	Bloomberg US Aggregate
Return (%)	3.61	0.57
Standard Deviation (%)	2.35	5.08
Sharpe Ratio	0.91	-0.18

Benchmark Relative Statistics

Beta	-0.15
R Squared (%)	10.79
Alpha (%)	3.74
Tracking Error (%)	6.26
Batting Average (%)	51.39
Up Capture (%)	5.46
Down Capture (%)	-56.07

6 Year Growth of a Dollar



6 Year Return Analysis

	Wellington	Bloomberg US Aggregate
Number of Months	72	72
Highest Monthly Return (%)	2.45	3.68
Lowest Monthly Return (%)	-1.26	-4.32
Number of Positive Months	47	37
Number of Negative Months	25	35
% of Positive Months	65.28	51.39

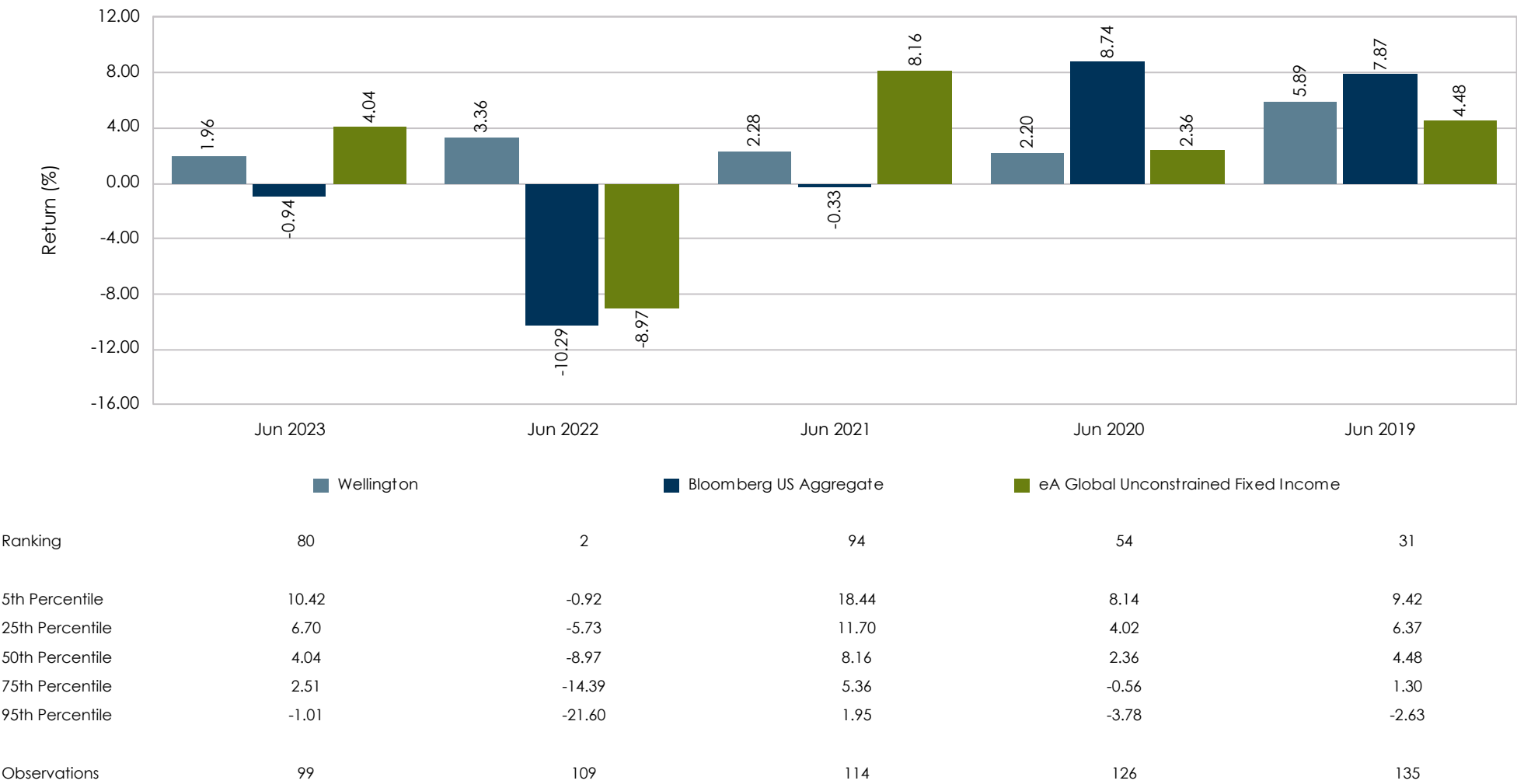
Wellington Global Total Return

For the Periods Ending June 30, 2023



The rankings represent the portfolio's returns versus a peer universe. The rankings are on a scale of 1 to 100 with 1 being the best.

Wellington Global Total Return
For the One Year Periods Ending June



The rankings represent the portfolio's returns versus a peer universe. The rankings are on a scale of 1 to 100 with 1 being the best.

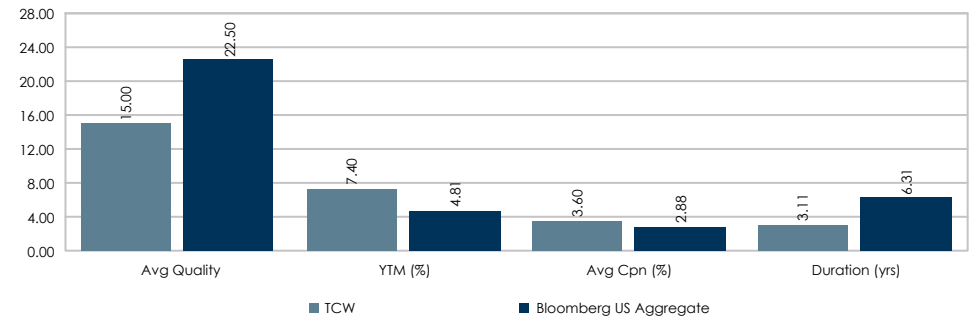
TCW MetWest Unconstrained Bond Fund

For the Periods Ending June 30, 2023

Account Description

- **Strategy** Absolute Return
- **Vehicle** Non-Mutual Commingled
- **Benchmark** Bloomberg US Aggregate
- **Performance Inception Date** January 2021
- **Fees** 45 bps

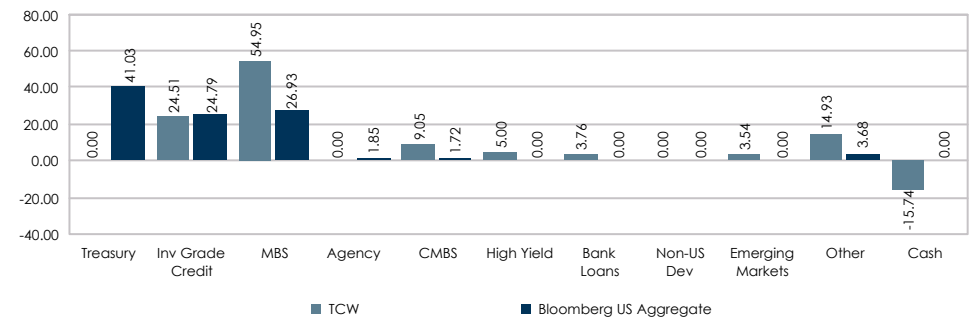
Characteristics



Performance Goals

- Outperform the Bloomberg US Aggregate.
- Over rolling three year periods, rank above the median in the eA Global Unconstrained Fixed Income universe.

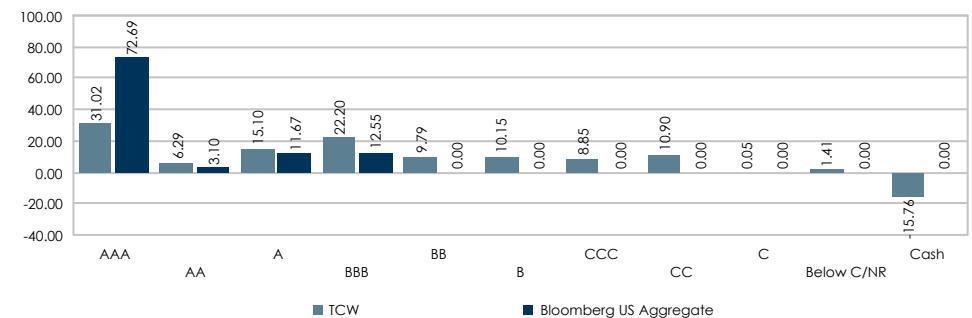
Sector Allocation



Dollar Growth Summary (\$000s)

	3 Months	FYTD
Beginning Market Value	61,849	60,008
Net Additions	-70	-274
Return on Investment	197	2,243
Ending Market Value	61,976	61,976

Quality Allocation



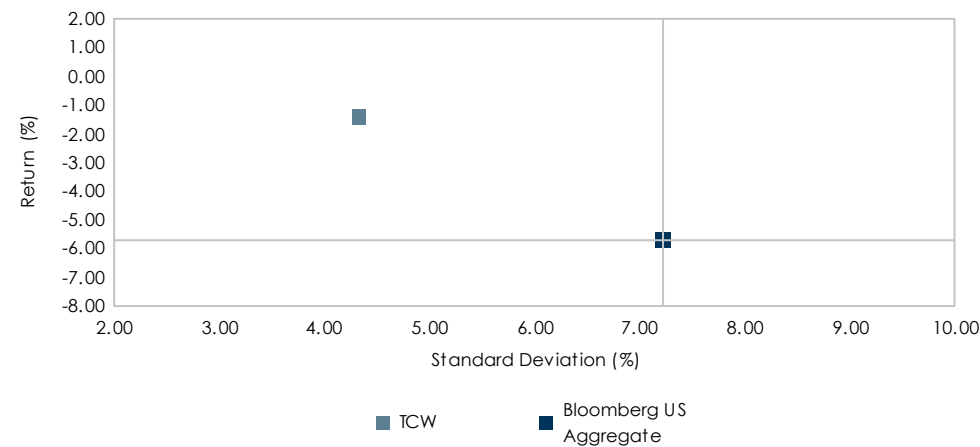
Characteristic and allocation charts represents the composite data of the TCW Unconstrained Fixed Income.

The Other sector consists of ABS, CMO, Convertibles, Municipals, Private Placements/144As and TIPS.

TCW MetWest Unconstrained Bond Fund

For the Periods Ending June 30, 2023

2 Year Risk / Return



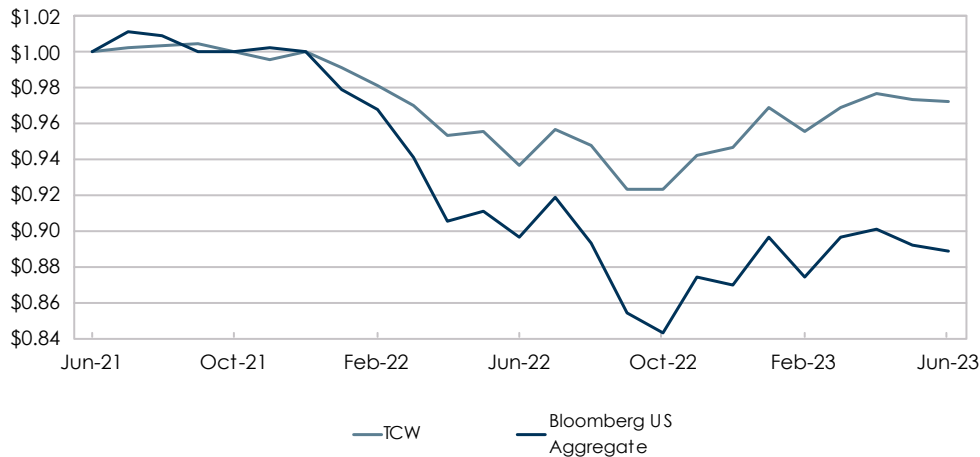
2 Year Portfolio Statistics

	TCW	Bloomberg US Aggregate
Return (%)	-1.38	-5.73
Standard Deviation (%)	4.33	7.23
Sharpe Ratio	-0.76	-1.06

Benchmark Relative Statistics

Beta	0.55
R Squared (%)	85.85
Alpha (%)	1.84
Tracking Error (%)	3.61
Batting Average (%)	62.50
Up Capture (%)	58.06
Down Capture (%)	45.76

2 Year Growth of a Dollar

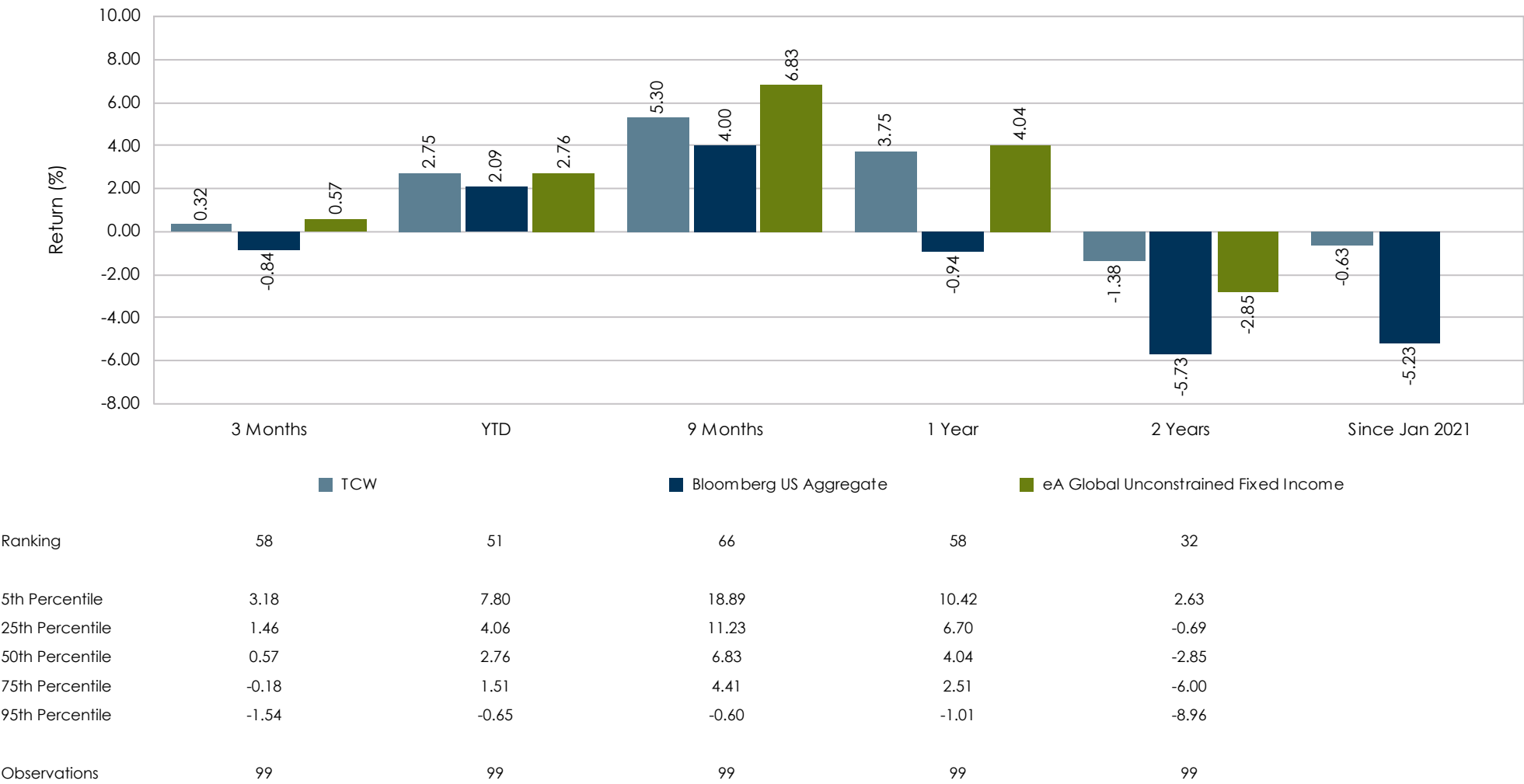


2 Year Return Analysis

	TCW	Bloomberg US Aggregate
Number of Months	24	24
Highest Monthly Return (%)	2.35	3.68
Lowest Monthly Return (%)	-2.58	-4.32
Number of Positive Months	12	8
Number of Negative Months	12	16
% of Positive Months	50.00	33.33

TCW MetWest Unconstrained Bond Fund

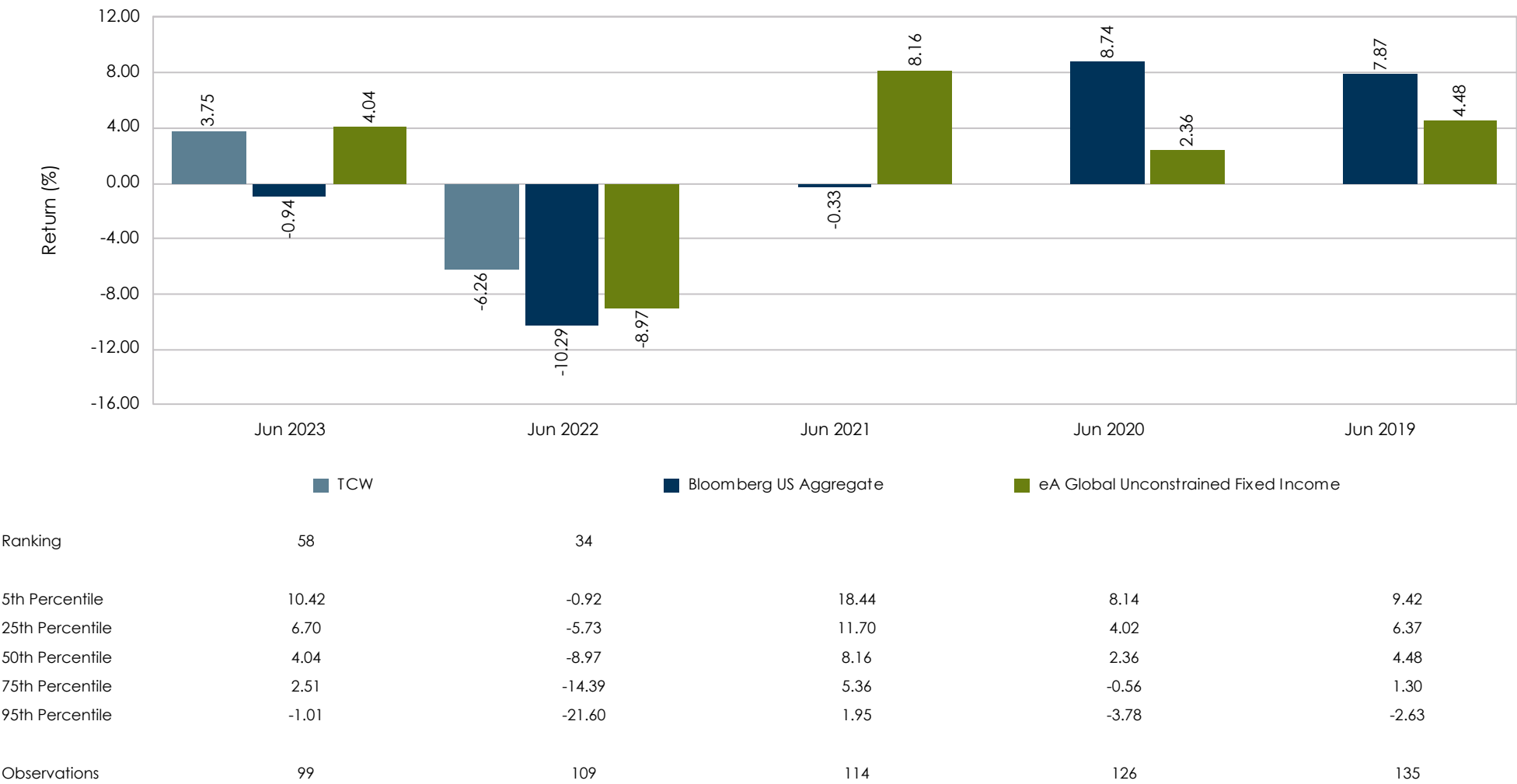
For the Periods Ending June 30, 2023



The rankings represent the portfolio's returns versus a peer universe. The rankings are on a scale of 1 to 100 with 1 being the best.

TCW MetWest Unconstrained Bond Fund

For the One Year Periods Ending June



The rankings represent the portfolio's returns versus a peer universe. The rankings are on a scale of 1 to 100 with 1 being the best.

Page intentionally left blank.

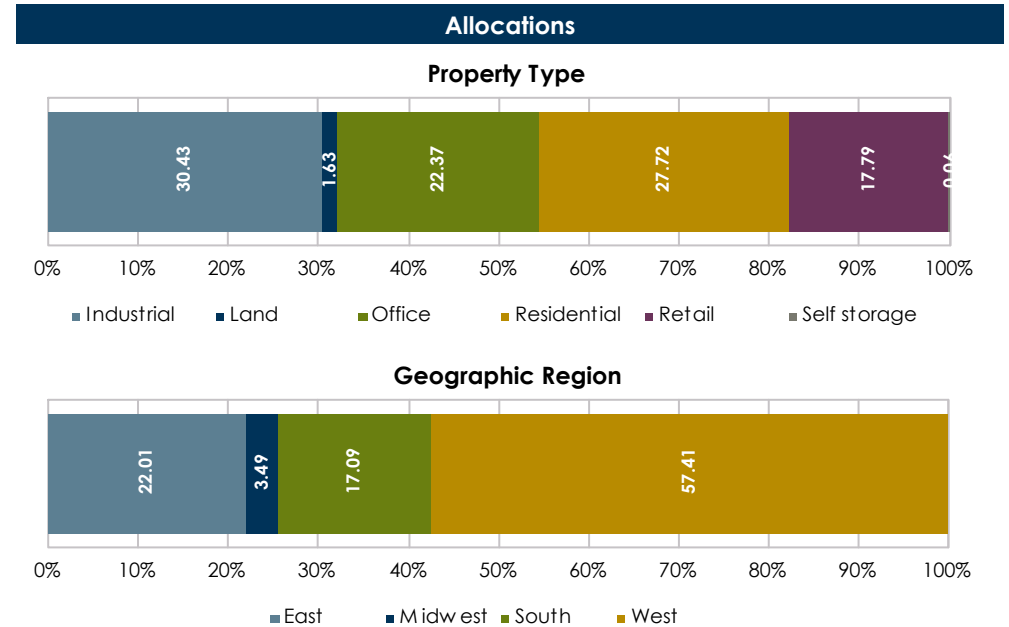
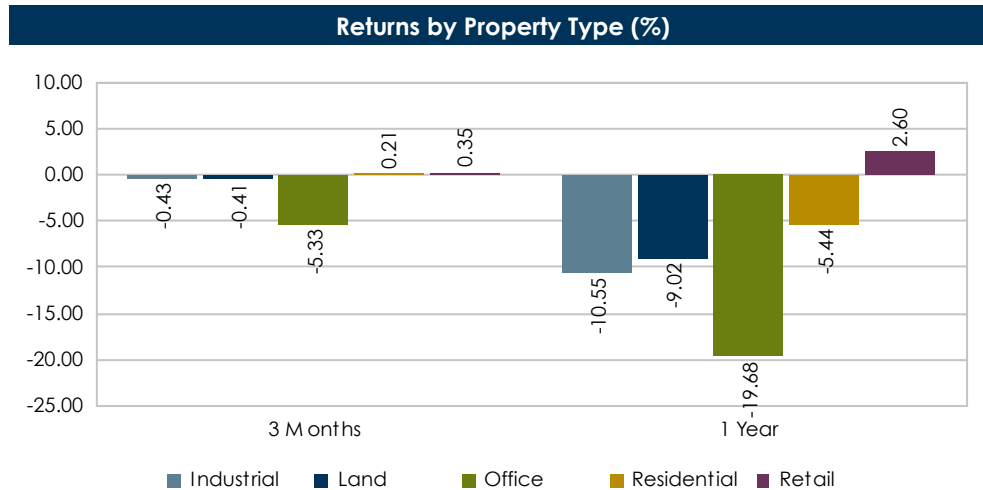
Real Assets Manager Performance

JP Morgan Strategic Property

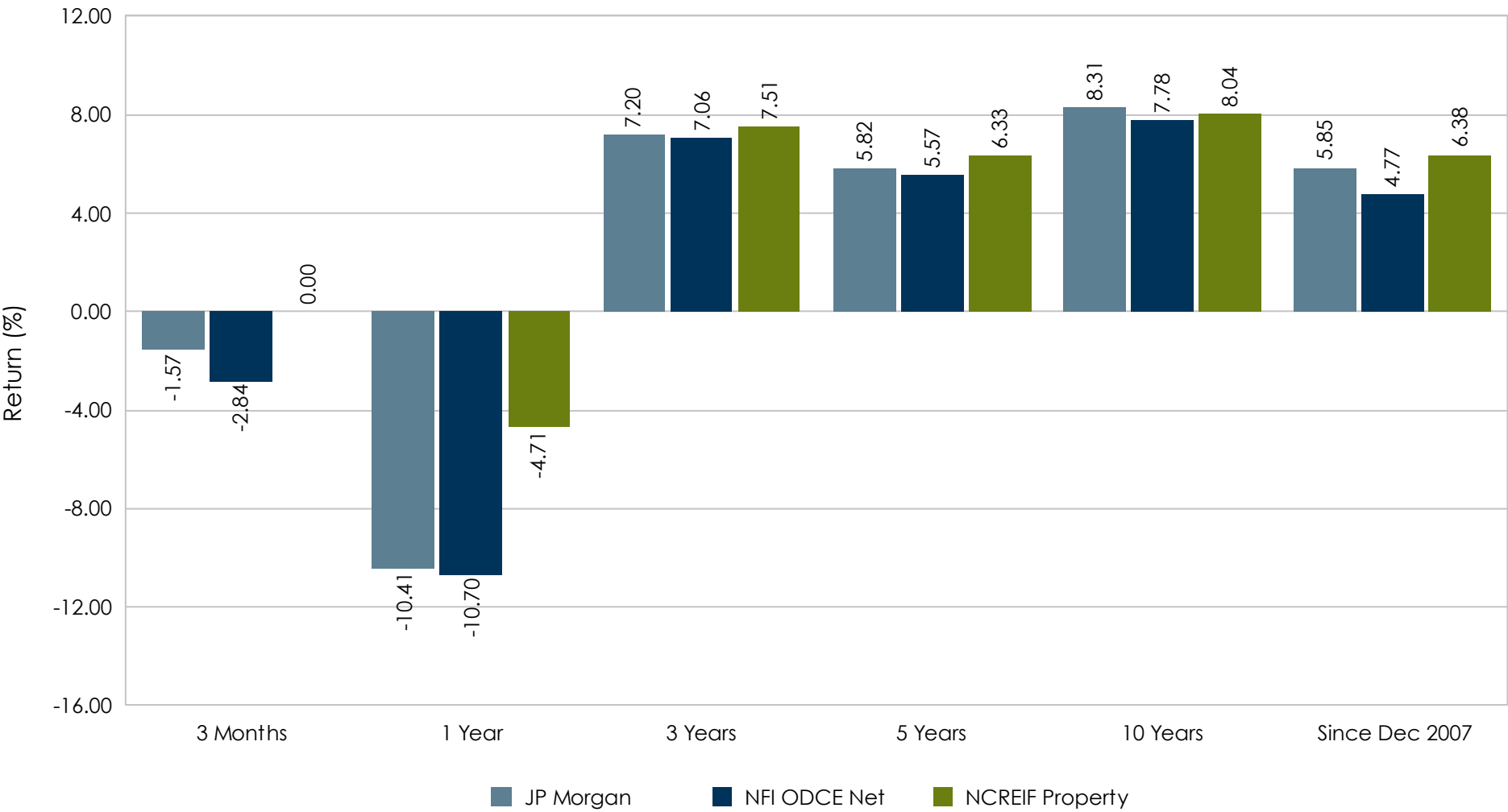
For the Periods Ending June 30, 2023

Account Description
Strategy Core Real Estate Vehicle Non-Mutual Commingled Benchmarks NFI ODCE Net and NCREIF Property Performance Inception Date December 2007 Fees First \$100M at 88 bps, next \$150M at 75 bps, next \$250M at 70 bps, next \$200M at 50 bps, balance at 35 bps
Performance Goals
Outperform the NFI ODCE Net.

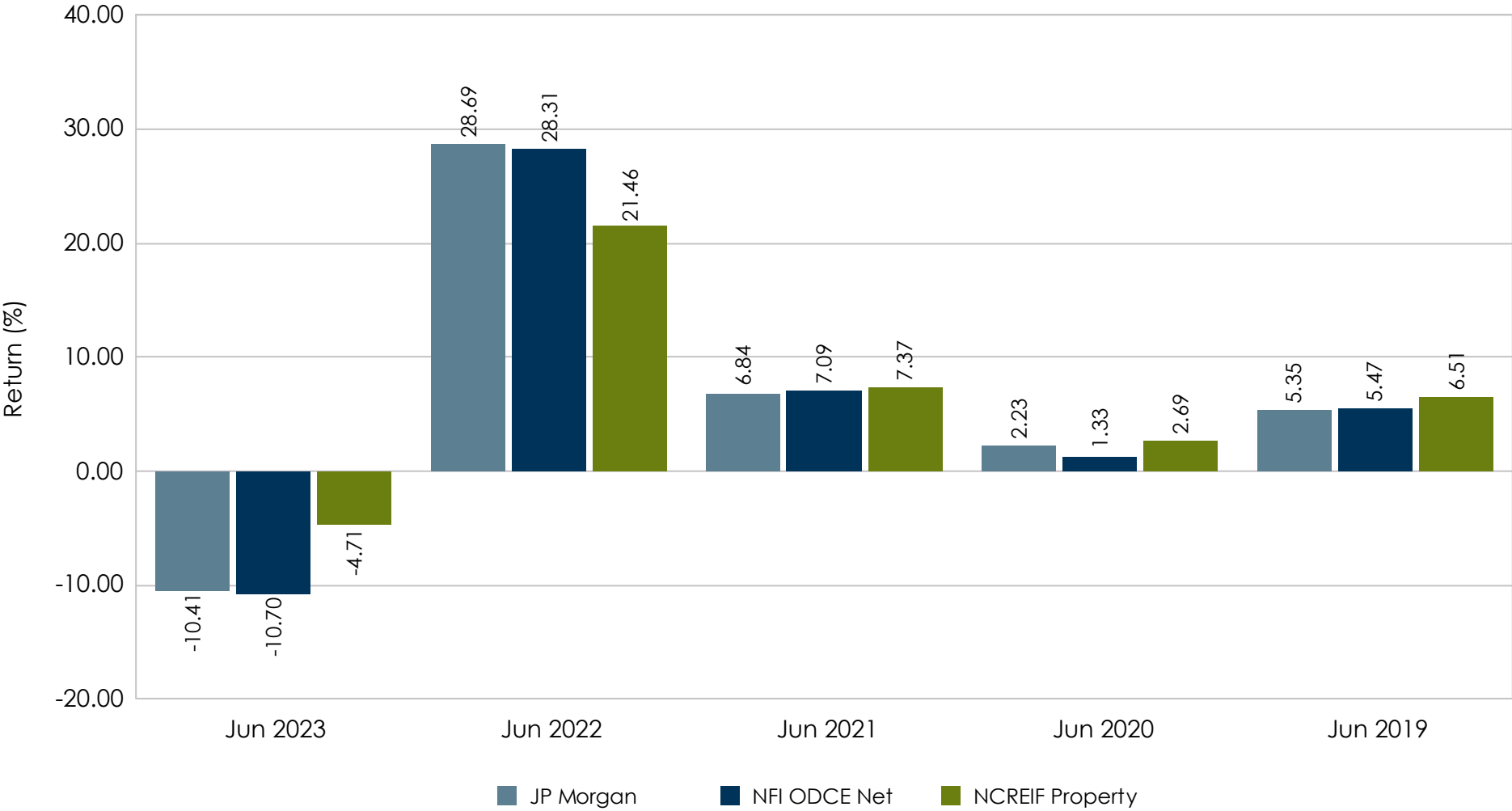
Account Information
Ending Market Value \$176,785,755
Fund Information
Gross Market Value \$42,330,717,129 Net Market Value \$31,075,252,330 Cash Balance of Fund \$1,166,690,098 # of Properties 158 # of Participants 317



JP Morgan Strategic Property
For the Periods Ending June 30, 2023



JP Morgan Strategic Property
For the One Year Periods Ending June



Blackstone Property Partners
For the Periods Ending June 30, 2023

Account Description

- **Strategy** Core Real Estate
- **Vehicle** Limited Partnership
- **Benchmarks** NFI ODCE Net and NCREIF Property
- **Performance Inception Date** January 2015

Account Information

■ **Ending Market Value** \$180,184,675

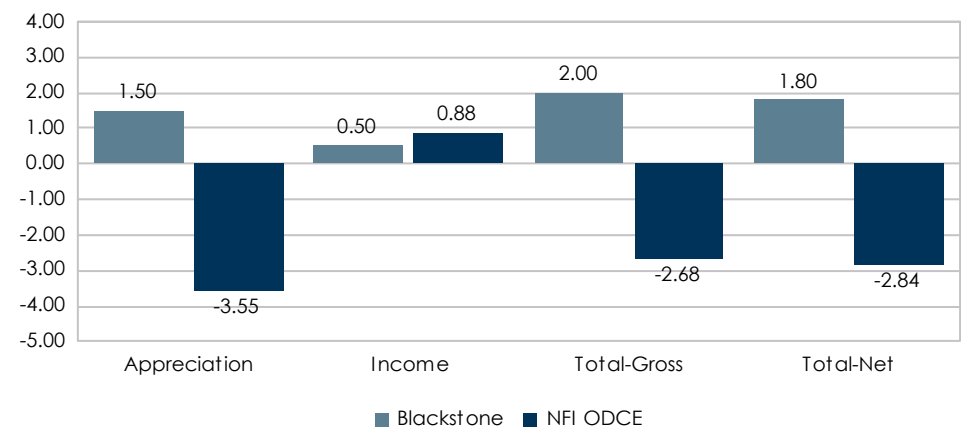
Fund Information

■ **Net Market Value** \$14,900,000,000
■ **# of Properties** 50

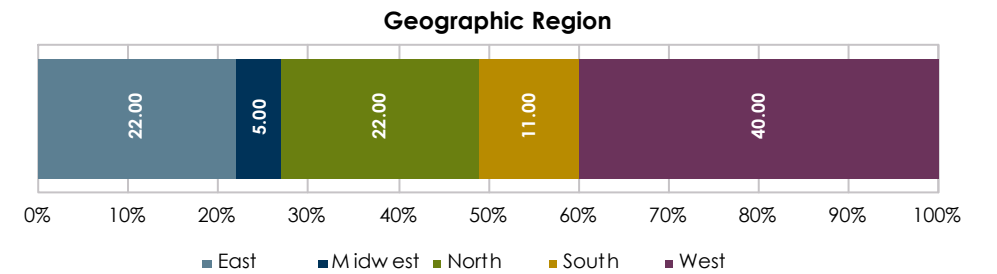
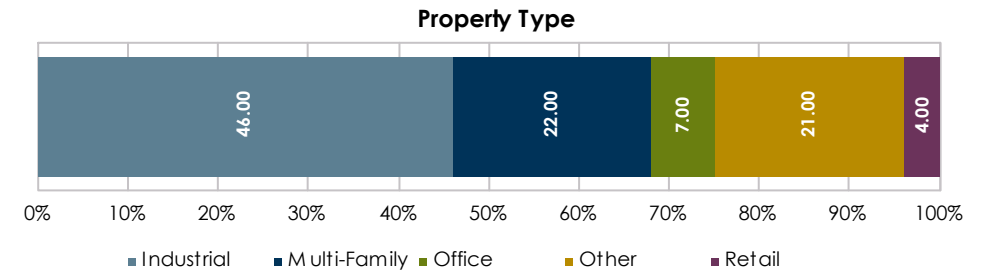
Performance Goals

- Outperform the NFI ODCE Net and NCREIF Property.

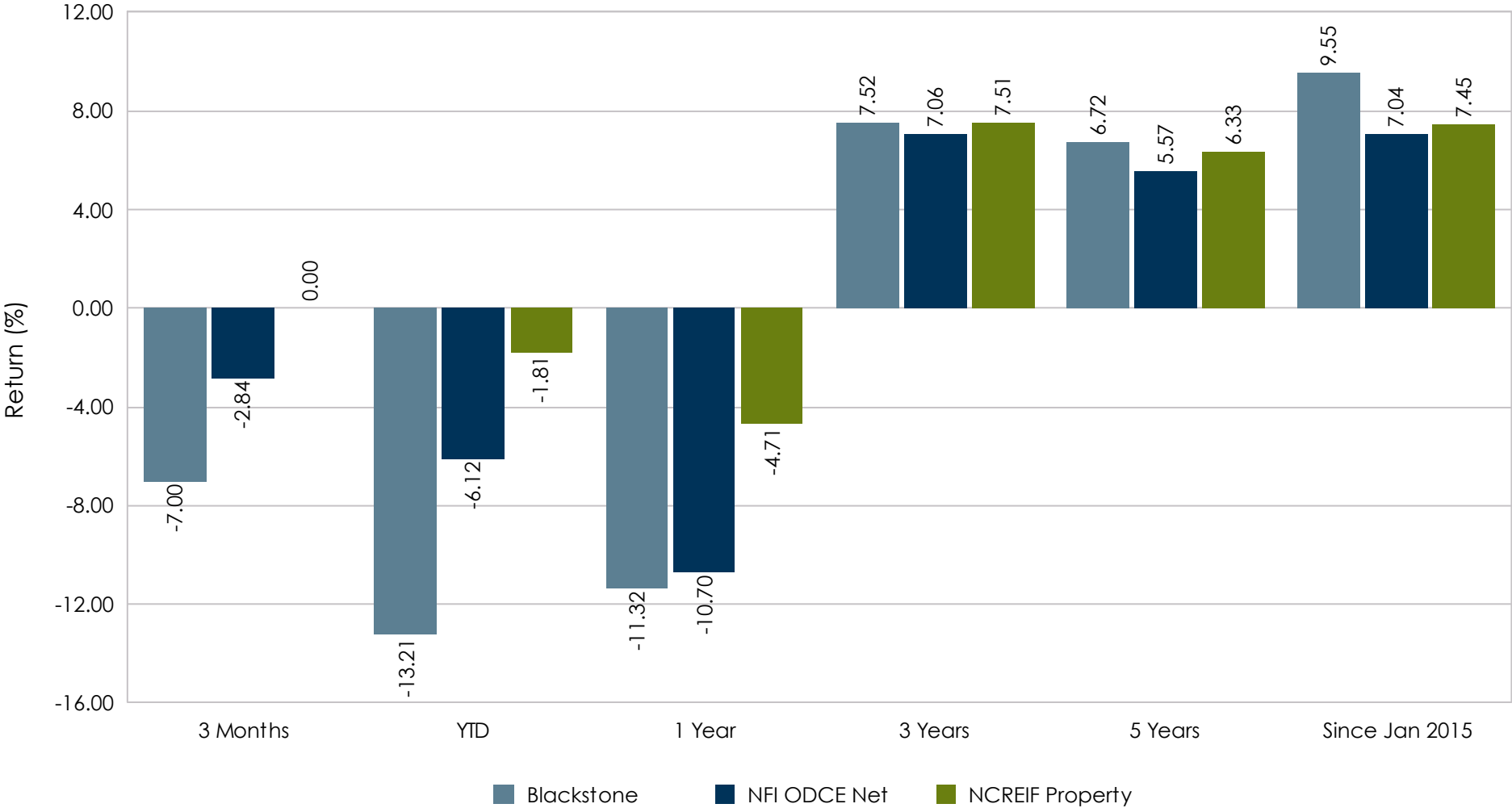
Current Quarter Returns (%)



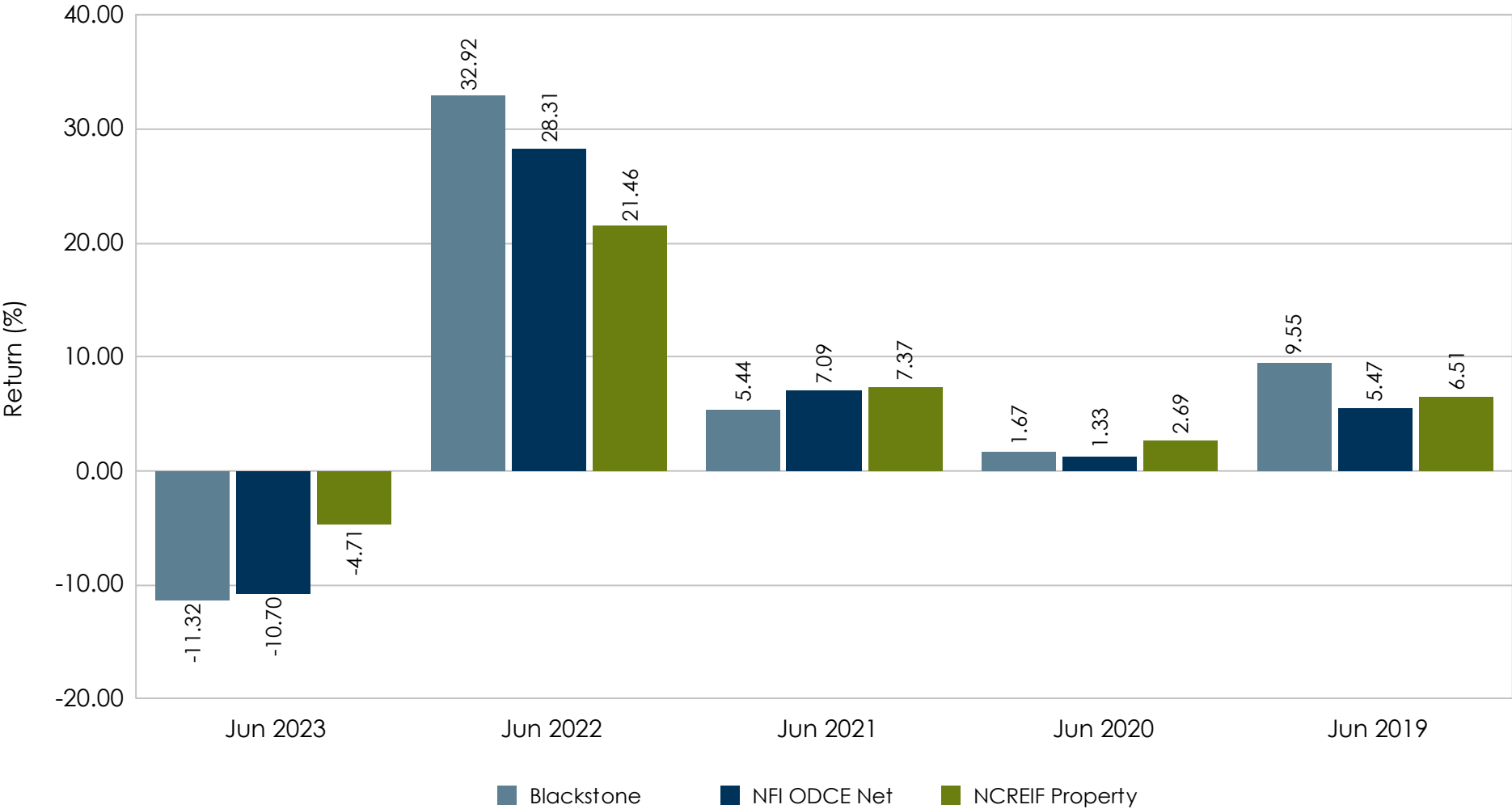
Allocations



Blackstone Property Partners
For the Periods Ending June 30, 2023



Blackstone Property Partners
For the One Year Periods Ending June



Private Real Estate - Active Funds*For the Period Ending June 30, 2023***Summary of Cash Flows for 6 Months**

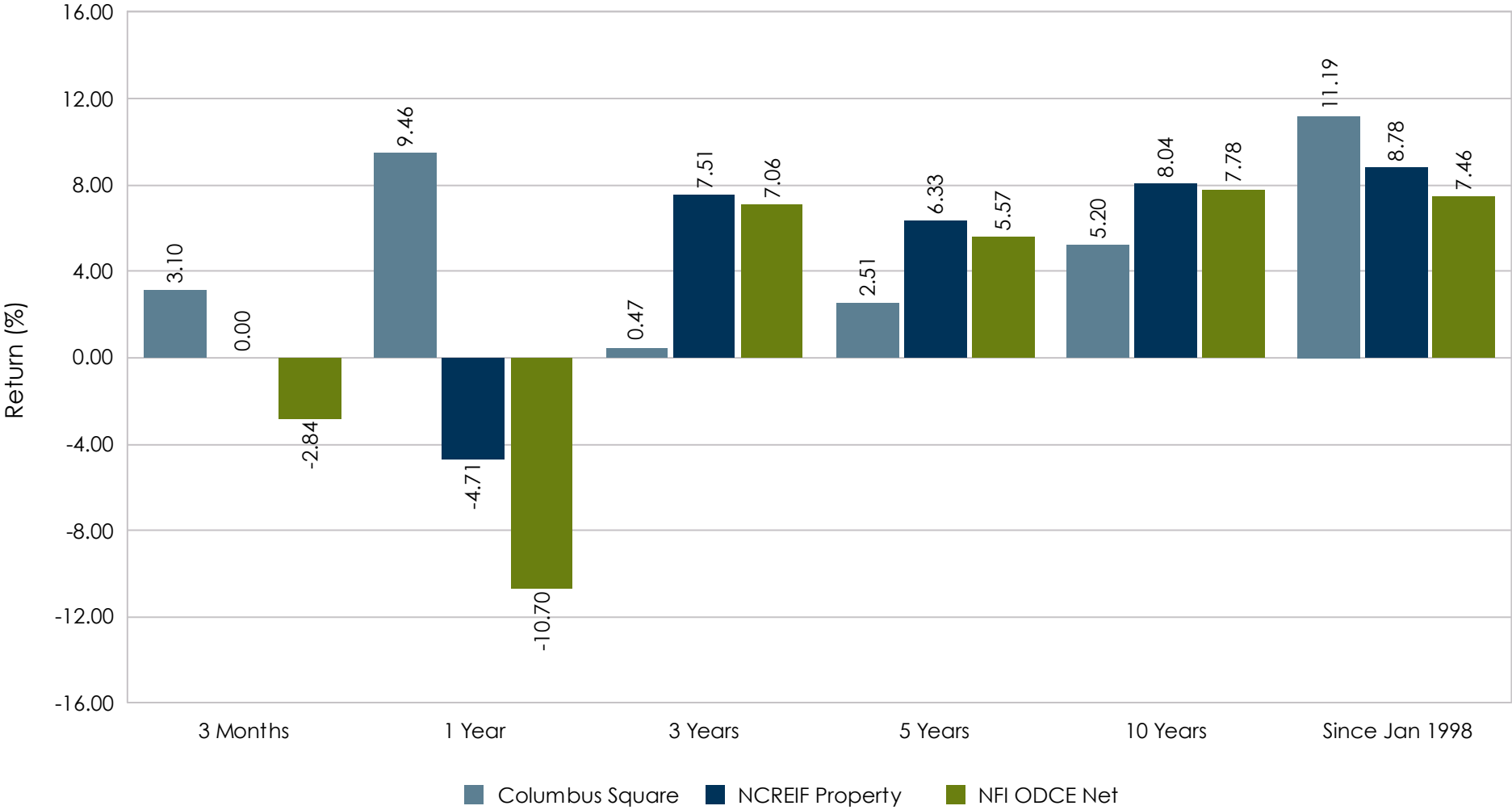
Cash Outflows	Cash Inflows	Net Cash Flows
-3,061,593	3,192,000	130,407

Summary of Portfolio Inception to Date (Category totals include active and closed funds)

	Inception Date	Committed	Drawn to Date	Remaining Commitment	Distributions to Date	Adjusted Ending Value	Total Value	Total Value to Paid-in
Total	Aug-11	220,500,000	140,593,173	99,548,467	113,554,597	84,122,541	197,677,138	1.41x
Real Estate	Aug-11	220,500,000	140,593,173	99,548,467	113,554,597	84,122,541	197,677,138	1.41x
Siguler Guff Dist. Real Estate Opp.	Aug-11	10,000,000	9,250,000	750,000	14,269,107	1,781,775	16,050,882	1.74x
TA Associates Realty X	Jan-13	20,000,000	20,000,000	-	32,227,272	5,517	32,232,789	1.61x
Cerberus Real Estate Fund III	Jul-13	20,000,000	25,185,319	4,871,659	34,604,424	5,968,864	40,573,288	1.61x
Hall Capital Fund III	Nov-14	7,500,000	7,297,797	202,203	5,517,536	2,718,222	8,235,758	1.13x
Siguler Guff Dist. Real Estate Opp. II	Dec-14	10,000,000	8,715,000	1,285,000	8,331,923	4,062,450	12,394,373	1.42x
Cerberus Institutional Real Estate Partners IV	Jun-16	15,000,000	12,738,859	3,824,590	1,563,559	12,406,253	13,969,812	1.10x
Siguler Guff Dist. Real Estate Opp. II B	Dec-17	10,000,000	8,275,000	1,725,000	1,029,723	9,458,934	10,488,657	1.27x
Angelo Gordon Realty Value Fund X, L.P.	Jun-19	20,000,000	18,600,000	5,174,000	9,945,616	14,656,119	24,601,735	1.32x
Blackstone Real Estate Partners Fund IX, L.P.	Sep-19	18,000,000	18,964,892	3,148,989	6,065,438	21,237,630	27,303,068	1.44x
Starwood Distressed Opportunity Fund XII	Jan-22	40,000,000	8,000,000	32,000,000	-	8,828,134	8,828,134	1.10x
Angelo Gordon Realty Value Fund XI, L.P.	Oct-22	25,000,000	2,500,000	22,500,000	-	2,156,100	2,156,100	0.86x
Blackstone Real Estate Partners Fund X, L.P.	Mar-23	25,000,000	1,066,307	24,067,027	-	842,543	842,543	0.79x

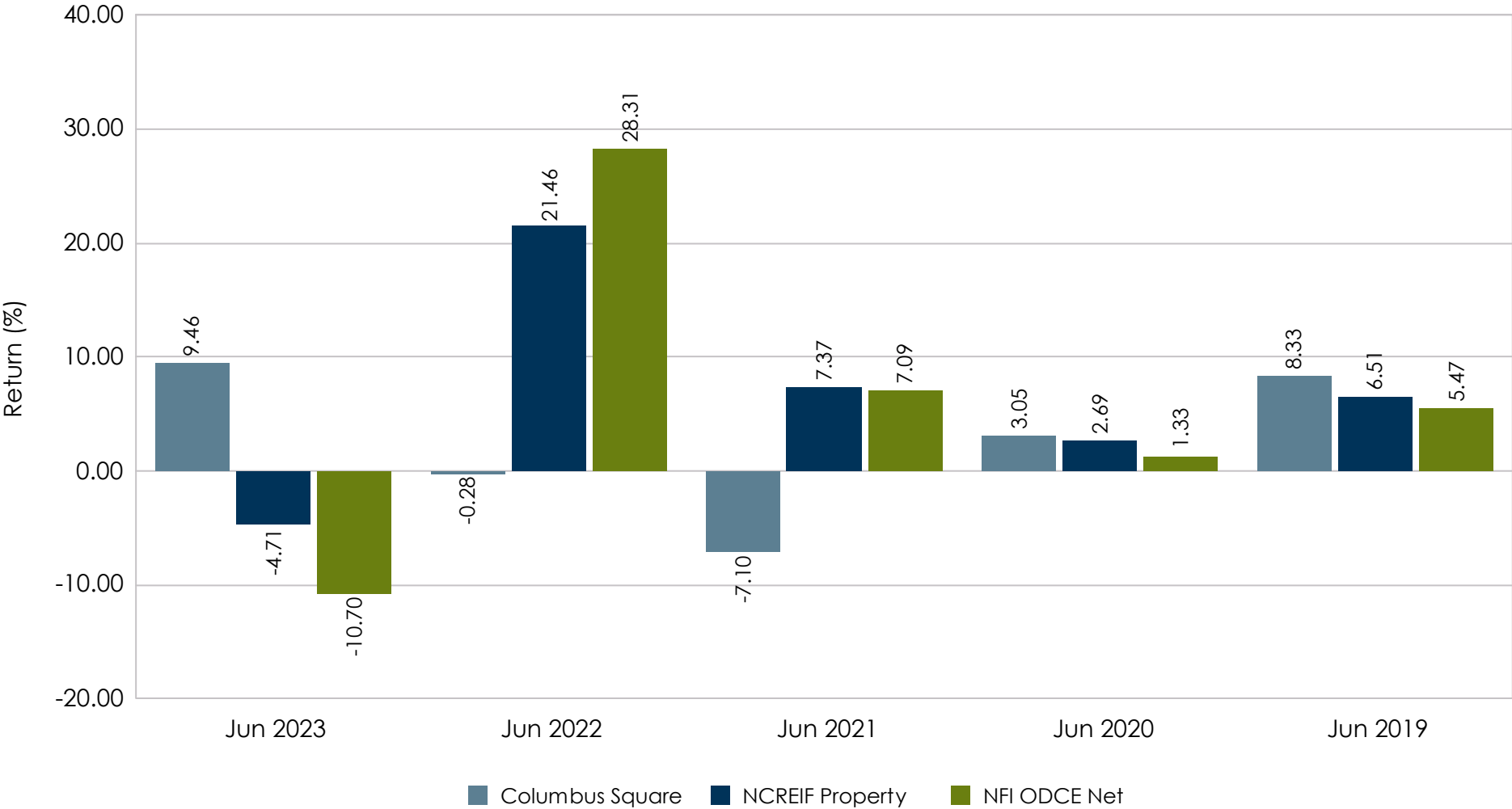
Columbus Square

For the Periods Ending June 30, 2023



Columbus Square

For the One Year Periods Ending June



Appendix

Securities Lending Income

	Domestic Equity	Fixed Income	Total
2019			
Q1	\$0	\$0	\$0
Q2	\$0	\$0	\$0
Q3	\$12,071	\$1,047	\$13,117
Q4	\$8,463	\$599	\$9,062
2019 Total	\$20,533	\$1,645	\$22,179
2020			
Q1	\$15,261	\$817	\$16,078
Q2	\$14,226	\$5,598	\$19,824
Q3	\$19,781	\$4,948	\$24,729
Q4	\$44,798	\$2,336	\$47,134
2020 Total	\$94,066	\$13,698	\$107,765
2021			
Q1	\$12,075	\$1,119	\$13,194
Q2	\$13,918	\$1,987	\$15,905
Q3	\$22,156	\$2,836	\$24,992
Q4	\$13,678	\$4,254	\$17,932
2021 Total	\$61,827	\$10,195	\$72,022
2022			
Q1	\$15,537	\$4,424	\$19,961
Q2	\$13,745	\$2,829	\$16,575
Q3	\$13,372	\$2,897	\$16,269
Q4	\$9,429	\$1,768	\$11,197
2022 Total	\$52,083	\$11,918	\$64,001

Definitions of Statistical Measures

Alpha - the annualized difference between the manager's actual return and the manager's expected return given its relative risk vs. the benchmark (which is represented by beta, a measure that tracks volatility to an index).

Batting Average - a measure used to quantify a manager's ability to meet or beat a benchmark. A manager who outperforms the benchmark 20 out of a possible 40 times has a batting average of 50.

Beta - measures the portfolio's sensitivity of returns to market movements represented by the primary benchmark.

Down Capture - demonstrates the ratio of the portfolio's average returns relative to the benchmark in periods in which the benchmark had a negative return. For instance, a down-capture of 96% indicates that, on average, the portfolio is down 96% when the benchmark is down 100%. Lower portfolio down-capture is preferred.

R Squared - the amount of the manager's return that can be explained by the benchmark. A R Squared of 100 indicates a perfect correlation, while a R Squared of 0 indicates no correlation at all.

Sharpe Ratio - a measure of return per unit of risk. Higher sharpe ratios are preferred while negative ratios are generally meaningless and cannot be used for comparison purposes.

Standard Deviation - a measure of the portfolio's volatility. A large standard deviation relative to the benchmark represents volatile portfolio returns.

Tracking Error - a measure that reports the difference between the return of a manager that is received and that of a benchmark that the manager is attempting to track.

Up Capture - demonstrates the ratio of the portfolio's average returns relative to the benchmark in periods in which the benchmark had a positive return. For instance, an up-capture of 96% indicates that, on average, the portfolio is up 96% when the benchmark is up 100%. Higher portfolio up-capture is preferred.

Quality Rating Scale

Moody's Rating	S&P Rating	Prior to 1Q09	Beginning 1Q09	Beginning 3Q11	Moody's Rating	S&P Rating	Prior to 1Q09	Beginning 1Q09	Beginning 3Q11
TSY	TSY	10	26	24	Ba2	BB	6	13	13
AGY	AGY	10	25	24	Ba	BB		13	13
Aaa	AAA	10	24	24	MIG4		6	13	13
Aa1	AA+	9.3	23	23	Ba3	BB-	5.7	12	12
Aa2	AA		22	22	B1	B+	5.3	11	11
Aa	AA	9	22	22	B2	B	5	10	10
MIG1		9	22	22	B	B		10	10
Aa3	AA-	8.7	21	21	B3	B-	4.7	9	9
A1	A+	8.3	20	20	Caa1	CCC+	4.3	8	8
A-1			20	20	Caa2	CCC	4	7	7
A2	A	8	19	19	Caa	CCC		7	7
A	A		19	19	Caa3	CCC-	3.7	6	6
MIG2		8	19	19	Ca	CC	3	5	5
A3	A-		18	18	C	C	2	4	4
Baa1	BBB+	7.7	17	17		DDD	1	3	3
Baa2	BBB	7.3	16	16		DD		2	2
Baa	BBB	7	16	16		D		1	1
MIG3			16	16	NR	NR	N/A	-1	-1
Baa3	BBB-	7	15	15	NA	NA	N/A		
Ba1	BB+	6.7	14	14	N/A	N/A			

Historical Benchmark Composition

Total Fund Policy

10/31/1990	The index consists of 55.00% Russell 3000, 35.00% Bloomberg US Aggregate, 10.00% MSCI EAFE.
06/30/2007	The index consists of 55.00% Russell 3000, 35.00% Bloomberg Universal, 10.00% MSCI EAFE.
11/30/2007	The index consists of 55.00% Russell 3000, 10.00% MSCI EAFE, 30.00% Bloomberg Universal, 5.00% NFI ODCE Net.
06/30/2010	The index consists of 65.00% MSCI ACWI, 30.00% Bloomberg Universal, 5.00% NFI ODCE Net.
08/31/2014	The index consists of 60.00% MSCI ACWI, 30.00% Bloomberg Universal, 5.00% NFI ODCE Net, 5.00% Bloomberg Commodity.
04/30/2016	The index consists of 60.00% MSCI ACWI, 25.00% Bloomberg Universal, 10.00% NFI ODCE Net, 5.00% Bloomberg Commodity.
09/30/2019	The index consists of 60.00% MSCI ACWI, 25.00% Bloomberg Universal, 15.00% NFI ODCE Net.
04/30/2021	The index consists of 65.00% MSCI ACWI, 20.00% Bloomberg Universal, 15.00% NFI ODCE Net.

Disclaimer and Legal Notice

Information Disclaimer:

This report was prepared by ACG using information from sources that may include the following: client's custodian(s); client's investment manager(s); ACG Investment Manager Database and Client Reporting Tool; third party data vendors; and other outside sources as may be directed by the client. Index Characteristics utilized in this report are obtained from third party data providers and may be different than index characteristics reported by investment managers/funds due to varied calculation methodologies and data sources. Although the information presented herein has been obtained from and is based upon sources ACG believes to be reliable, no representation or warranty, express or implied, is made as to the accuracy or completeness of that information. Accordingly, ACG does not itself endorse or guarantee, and does not itself assume liability whatsoever for, the accuracy or reliability of any third party data or the financial information contained herein.

The information presented herein is for informational purposes only and is not intended as an offer to sell or the solicitation of an offer to purchase a security.

This report is provided as a management tool for the client's internal use only. Information contained in this report does not constitute a recommendation by ACG.

This report may contain confidential or proprietary information and may not be copied or redistributed to any party not legally entitled to receive it.

Past performance is not indicative of future results. Any comparison to an index is for comparative purposes only. An investment cannot be made directly into an index. Indices are unmanaged and do not reflect the deduction of advisory fees.

This report is distributed with the understanding that it is not rendering accounting, legal or tax advice. Please consult your legal or tax advisor concerning such matters. No assurance can be given that the investment objectives described herein will be achieved and investment results may vary substantially on a quarterly, annual or other periodic basis. There is no representation or warranty as to the current accuracy of, nor liability for, decisions based on such information.