

## **Discussion Guide**

Fairfax County Public Schools First Quarter 2023

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

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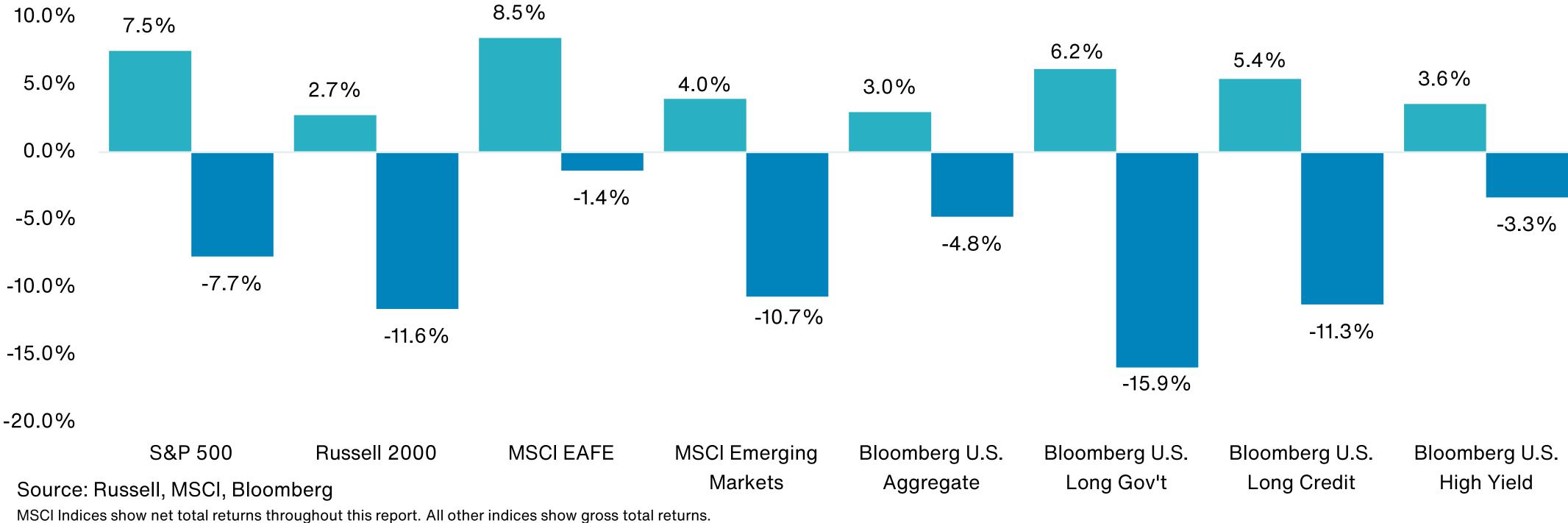
#### **Executive Summary**

AON



# **Market Highlights**

### SHORT TERM RETURNS AS OF 03/31/2023



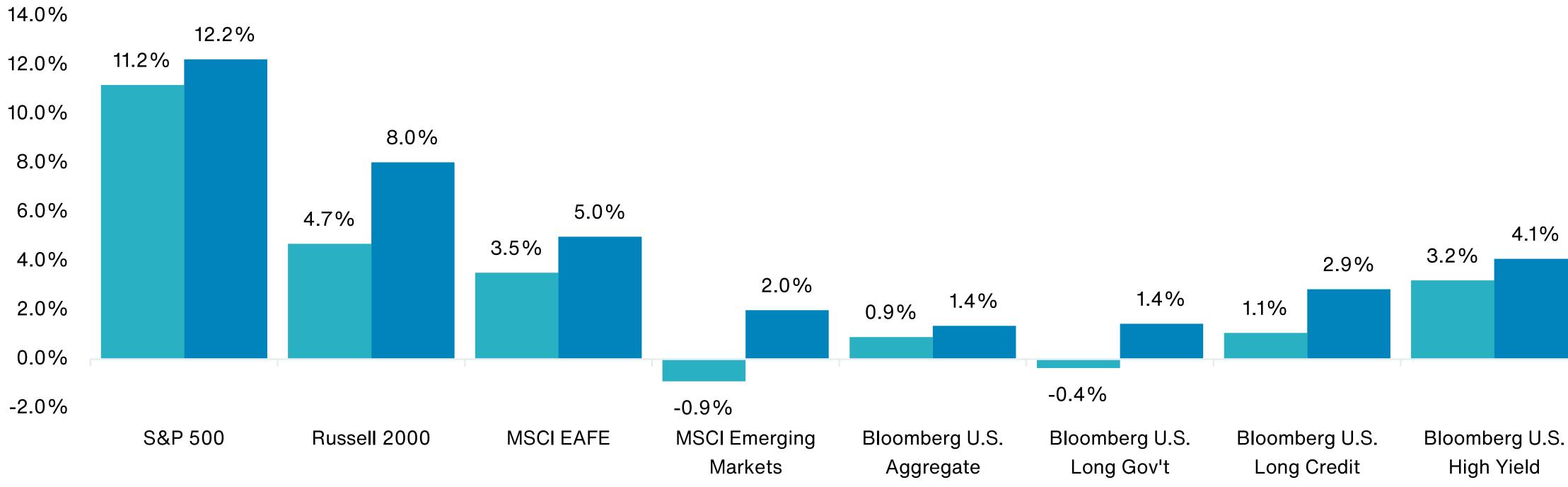
MSCI Indices show net total returns throughout this report. All other indices show gross total returns.

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

First Quarter 2023 One-Year

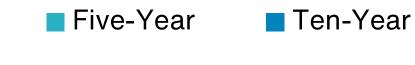
# **Market Highlights**

### LONG TERM ANNUALIZED RETURNS AS OF 03/31/2023



#### Source: Russell, MSCI, Bloomberg

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# **Market Highlights**

Returns of the Major Capital Markets						Returns	of the Major Cap	ital Markets					
					Period En	ding 03/31/2023						Period Ending (	03/31
	First Quarter	YTD	1-Year	3-Year <sup>1</sup>	5-Year <sup>1</sup>	10-Year <sup>1</sup>		First Quarter	YTD	1-Year	3-Year <sup>1</sup>	5-Year <sup>1</sup>	10
Equity							Fixed Income						
MSCI All Country World IMI	6.95%	6.95%	-7.68%	15.64%	6.58%	7.95%	Bloomberg Global Aggregate	3.01%	3.01%	-8.07%	-3.43%	-1.34%	0.
MSCI All Country World	7.31%	7.31%	-7.44%	15.36%	6.93%	8.06%	Bloomberg U.S. Aggregate	2.96%	2.96%	-4.78%	-2.77%	0.91%	1
Dow Jones U.S. Total Stock Market	7.24%	7.24%	-8.77%	18.34%	10.32%	11.64%	Bloomberg U.S. Long Gov't	6.16%	6.16%	-15.94%	-11.25%	-0.36%	1
Russell 3000	7.18%	7.18%	-8.58%	18.48%	10.45%	11.73%		5.42%	5.42%	-11.28%	-2.57%	1.07%	י. ס
S&P 500	7.50%	7.50%	-7.73%	18.60%	11.19%	12.24%	Bloomberg U.S. Long Credit						2.
Russell 2000	2.74%	2.74%	-11.61%	17.51%	4.71%	8.04%	Bloomberg U.S. Long Gov't/Credit	5.76%	5.76%	-13.40%	-6.33%	0.63%	2.
MSCI All Country World ex-U.S. IMI	6.56%	6.56%	-5.84%	12.20%	2.35%	4.28%	Bloomberg U.S. TIPS	3.34%	3.34%	-6.06%	1.75%	2.94%	1.
MSCI All Country World ex-U.S.	6.87%	6.87%	-5.07%	11.80%	2.47%	4.17%	Bloomberg U.S. High Yield	3.57%	3.57%	-3.34%	5.91%	3.21%	4
MSCI EAFE	8.47%	8.47%	-1.38%	12.99%	3.52%	5.00%	Bloomberg Global Treasury ex U.S.	3.11%	3.11%	-11.29%	-5.37%	-3.62%	-1
MSCI EAFE (Local Currency)	7.49%	7.49%	3.84%	14.63%	6.25%	7.34%	JP Morgan EMBI Global (Emerging Market	2.25%	2.25%	-5.86%	0.31%	-0.20%	1.
MSCI Emerging Markets	3.96%	3.96%	-10.70%	7.83%	-0.91%	2.00%	Commodities						
Equity Factors							Bloomberg Commodity Index	-5.36%	-5.36%	-12.49%	20.82%	5.36%	-1
MSCI World Minimum Volatility (USD)	2.30%	2.30%	-4.52%	9.17%	6.34%	7.97%	Goldman Sachs Commodity Index	-4.94%	-4.94%	-10.04%	30.53%	4.93%	-3
MSCI World High Dividend Yield	1.93%	1.93%	-2.52%	13.77%	6.65%	7.21%	Hedge Funds						
MSCI World Quality	10.70%	10.70%	-5.61%	16.41%	11.63%	12.01%	HFRI Fund-Weighted Composite <sup>2</sup>	1.18%	1.18%	-2.06%	10.55%	4.69%	4.
MSCI World Momentum	-1.16%	-1.16%	-13.43%	12.17%	8.01%	10.76%	HFRI Fund of Funds <sup>2</sup>	1.57%	1.57%	-1.10%	7.47%	3.27%	3.
MSCI World Enhanced Value	5.79%	5.79%	-2.91%	15.20%	3.23%	7.04%	Real Estate	1.07 /0	1.07 70	1.10 /0	7.4770	0.27 70	0.
MSCI World Equal Weighted	6.10%	6.10%	-6.51%	14.95%	4.56%	7.19%		0.000/	0.000/	10.000/	10.000/	0.000/	F
MSCI World Index Growth	15.18%	15.18%	-9.61%	16.18%	10.66%	11.17%	NAREIT U.S. Equity REITS	2.68%	2.68%	-19.22%	12.08%	6.02%	5. 
MSCI USA Minimum Volatility (USD)	1.30%	1.30%	-4.42%	12.42%	9.11%	10.62%	FTSE Global Core Infrastructure Index	-1.05%	-1.05%	-10.00%	9.95%	7.25%	(.
MSCI USA High Dividend Yield	-0.72%	-0.72%	-2.99%	14.60%	7.69%	10.06%	Private Equity						
MSCI USA Quality	10.48%	10.48%	-6.28%	16.40%	12.38%	13.61%	Burgiss Private iQ Global Private Equity <sup>3</sup>			6.18%	21.00%	18.52%	15
MSCI USA Momentum	-4.22%	-4.22%	-14.60%	10.80%	7.25%	12.31%	MSCI Indices show net total returns th	roughout this r	eport. All othe	r indices show (	gross total retur	rns.	
MSCI USA Enhanced Value	2.52%	2.52%	-8.37%	17.09%	5.51%	9.68%	<sup>1</sup> Periods are annualized.						
MSCI USA Equal Weighted	4.01%	4.01%	-9.18%	19.37%	8.49%	10.50%	<sup>2</sup> Latest 5 months of HFR data are esti	imated by HFR	and may chan	ge in the future			
MSCI USA Growth	17.40%	17.40%	-12.23%	18.63%	13.75%	14.52%	<sup>3</sup> Burgiss Private iQ Global Private Equ	uity data is as a	t June 30, 202	22			

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

3/31/2023 10-Year<sup>1</sup> 0.07% 1.36% 1.44% 2.85% 2.35% 1.49% 4.10% -1.20% 1.81% -1.72% -3.84% 4.44% 3.33% 5.97% 7.32% 15.82%

## **Thought Leadership Highlights** Defined Contribution

Торіс	Article	Link
Governance	What Drives Fiduciary Liability? Survey of Leading Carriers for Fiduciary Liability Insurance	<u>Link</u>
Aon United	SECURE 2.0 Major Provisions Impacting Defined Contribution Plans	<u>Link</u>
Market View	Federal Reserve Outlook for 2023	<u>Link</u>
Market View	Quarterly Market Review and Outlook Video (access code 'aon!')	Link to Article Link to Video
Quarterly Themes	Key Topics for DC Plans (5-minute video, passcode 'aon!')	Link to Video
Plan Design	Aon Employee Financial Wellbeing and DC Survey Report	<u>Link</u>
Strategy Review	ESG in DC Plans: 3 Questions with Dan Pawlisch	<u>Link</u>
Strategy Review	Client video on key topics for DC Plans(Q4 2022)	<u>Link</u>
Strategy Review	Updated DC Play Book	<u>Link</u>
Strategy Review	Conviction in Equity Investing Revisited	<b>Request from Consultant</b>
Asset Allocation	Q4 Stable Value Quarterly	<u>Link</u>
Asset Allocation	Global Equity	<u>Link</u>
Asset Allocation	The Strength of the U.S. Equity Market and its Impact on Equity Allocations	<u>Link</u>
Legal & Compliance	Legal & Compliance quarterly update newsletter (5-minute summary, access code 'aon!')	Link to Article Link to Video

If you do not get Aon Investments' monthly email newsletter, but would like to, please ask your consultant.



#### **Total Plan**





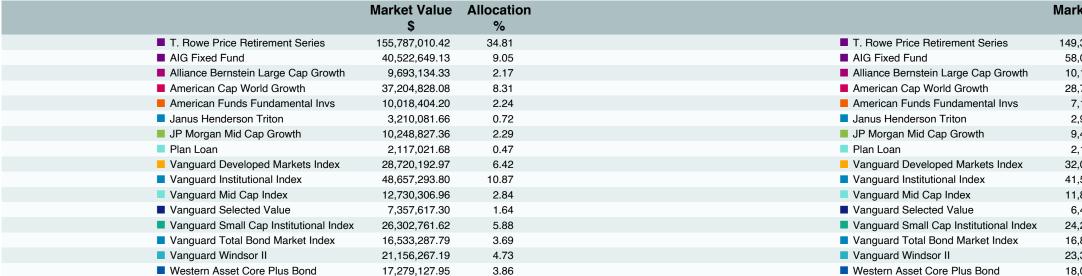
#### **Fairfax Workplan** To Guide the Investment Oversight

Торіс	Planned Frequency	Last Done	Q1 2023	Q2 2023	Q3 2023	Q4 2023	Notes
Recurring Quarterly Topics	ricquency	Lust Done	LULU	2020	LULU	LULU	Notes
Capital Markets Overview	Quarterly	Q4 '22	Х	Х	Х	Х	
Fund Performance	Quarterly	Q4 '22	Х	Х	Х	Х	
Investment Manager Ratings and Updates	Quarterly	Q4 '22	Х	Х	Х	Х	
Investment Fee Summary	Quarterly	Q4 '22	Х	Х	Х	Х	
Aon Thought Leadership	Quarterly	Q4 '22	Х	Х	Х	Х	
Regulatory, Compliance, Administrative Update	Quarterly	Q4 '22	Х	Х	х	Х	
Periodic or Ad Hoc Topics							
Investment Policy Statement Review	Annually	Q3 '22				Х	
Lowest Cost Vehicle and Share Class Analysis	Annually	Q3 '22			Х		
DC Plan Cost Analysis	Every 1-2 years	-					Vendor RFP completed in 2022
QDIA/Target Date Fund Competitive Review	Every 1-2 years	Q4 '22					
DC Trends/Benchmarking	Every 1-3 years	Q3 '22					
Retirement Income Education	Every 1-3 years	-		Х			
Managed Account Review	Every 1-3 years	-					
Individual Investment Efficiency Analysis	Every 3 years	-					
Live Fee Benchmarking	Every 3 years	-					Vendor RFP completed in 2022
Fiduciary Liability Insurance Review	Every 3 years	-					
Investment Structure Review	Every 3-5 years	Q3 '22					
Vendor/Recordkeeper Search <sup>1</sup>	Every 5-7 years	Q2 '22					

### Asset Allocation by Manager - Corebridge 403(b) Plan

As of March 31, 2023

March 31, 2023 : \$447,538,812 December 31, 2022 : \$442,266,713



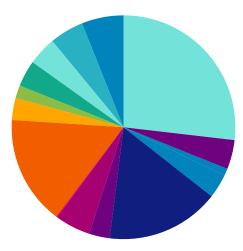


/larket Value \$	Allocation %	
149,338,723.62	33.77	
58,046,799.07	13.12	
10,145,685.13	2.29	
28,767,025.53	6.50	
7,121,386.67	1.61	
2,975,612.46	0.67	
9,499,941.28	2.15	
2,150,732.29	0.49	
32,019,383.35	7.24	
41,501,406.91	9.38	
11,865,390.63	2.68	
6,406,454.82	1.45	
24,207,607.55	5.47	
16,814,327.30	3.80	
23,334,037.21	5.28	
18,072,199.01	4.09	

### Asset Allocation by Manager - Empower 403(b) Plan

As of March 31, 2023

March 31, 2023 : \$195,166,427



	Market Value \$	Allocation %	М
Empower Lifetime Retirement Series	52,386,628	26.8	Empower Lifetime Retirement Series
American Funds EuroPacific Growth Fund	8,247,855	4.2	American Funds EuroPacific Growth Fund
Columbia Select Mid Cap Value Fund	1,979,415	1.0	Columbia Select Mid Cap Value Fund
Delaware Small Cap Core	6,820,035	3.5	Delaware Small Cap Core
Great West Portfolio Fund	31,994,477	16.4	Great West Portfolio Fund
Empower T. Rowe Price Mid Cap Growth Fund	5,810,013	3.0	Empower T. Rowe Price Mid Cap Growth Fund
Fidelity International Index	10,035,247	5.1	Fidelity International Index
Forfeiture Account	326,867	0.2	Forfeiture Account
iShares S&P 500 Index em	30,798,744	15.8	iShares S&P 500 Index em
Pioneer Bond	6,170,806	3.2	Pioneer Bond
MFS Value	3,651,739	1.9	MFS Value
Parnassus Core Equity	7,441,432	3.8	Parnassus Core Equity
Putnam Growth Opportunities	8,063,027	4.1	Putnam Growth Opportunities
Vanguard Mid Cap Index	9,628,801	4.9	Vanguard Mid Cap Index
Vanguard Total Bond Market Index	11,811,341	6.1	Vanguard Total Bond Market Index

December 31, 2022 : \$186,447,644

#### AON



Market Value \$	Allocation %	
49,539,057	26.6	
7,070,357	3.8	
2,653,266	1.4	
7,654,781	4.1	
32,612,184	17.5	
5,779,228	3.1	
10,139,769	5.4	
100,297	0.1	
27,511,775	14.8	
6,407,133	3.4	
3,267,305	1.8	
7,042,778	3.8	
7,730,499	4.1	
7,892,035	4.2	
11,047,181	5.9	

## Asset Allocation by Manager - Empower 457(b) Plan

As of March 31, 2023



Market Value \$	Allocation %		Market Value \$	Allocation %
50,659,951	16.8	T. Rowe Price Target Retirement Funds	47,432,663	16.6
85,532,886	28.4	■ iShares S&P 500 Index	79,486,891	27.8
45,402,920	15.1	Vanguard Mid Cap Index	43,456,139	15.2
40,577,211	13.5	Baron Growth Inst	38,153,688	13.3
39,924,508	13.2	Great West Portfolio Fund	40,194,657	14.0
15,865,703	5.3	PIMCO Total Return Adm	15,377,528	5.4
1,259,928	0.4	PIMCO Inflation Response Multi-Asset Inst	1,215,218	0.4
20,009,498	6.6	Artisan International Inv	18,602,590	6.5
326,867	0.1	Loan Fund	1,913,807	0.7
1,896,902	0.6	Forfeiture Account	474,489	0.2
	\$ 50,659,951 85,532,886 45,402,920 40,577,211 39,924,508 15,865,703 1,259,928 20,009,498 326,867	50,659,95116.885,532,88628.445,402,92015.140,577,21113.539,924,50813.215,865,7035.31,259,9280.420,009,4986.6326,8670.1	\$         %           50,659,951         16.8         T. Rowe Price Target Retirement Funds           85,532,886         28.4         i Shares S&P 500 Index           45,402,920         15.1         Vanguard Mid Cap Index           40,577,211         13.5         Baron Growth Inst           39,924,508         13.2         Great West Portfolio Fund           15,865,703         5.3         PIMCO Total Return Adm           1,259,928         0.4         PIMCO Inflation Response Multi-Asset Inst           20,009,498         6.6         Artisan International Inv           326,867         0.1         Loan Fund	%         %           50,659,951         16.8         T. Rowe Price Target Retirement Funds         47,432,663           85,532,886         28.4         I iShares S&P 500 Index         79,486,891           45,402,920         15.1         Vanguard Mid Cap Index         43,456,139           40,577,211         13.5         Baron Growth Inst         38,153,688           39,924,508         13.2         Great West Portfolio Fund         40,194,657           15,865,703         5.3         PIMCO Total Return Adm         15,377,528           1,259,928         0.4         PIMCO Inflation Response Multi-Asset Inst         1,215,218           20,009,498         6.6         Artisan International Inv         18,602,590           326,867         0.1         Loan Fund         1,913,807

## **Active Manager Scorecard\*\***

As of March 31, 2023

	1	Return R	elative to Benc	hmark	Ranking R	elative to Medi	an Peer	
Fund Name	1 Quarter	1 Year	3 Years	5 Years	1 Quarter	1 Year	3 Years	5 Years
Tier I - Target Date Funds								
T Rowe Price Retirement 2005*	-0.43	-0.67	0.89	-0.48	14	65	13	13
T Rowe Price Retirement 2010*	-0.49	-0.65	0.80	-0.49	25	93	6	19
T Rowe Price Retirement 2015*	-0.48	-0.45	0.85	-0.46	47	83	5	13
T Rowe Price Retirement 2020*	-0.48	-0.44	0.76	-0.50	43	65	7	12
T Rowe Price Retirement 2025*	-0.54	-0.51	0.50	-0.65	55	77	3	10
T Rowe Price Retirement 2030*	-0.59	-0.57	0.19	-0.80	54	86	3	17
T Rowe Price Retirement 2035*	-0.62	-0.58	-0.06	-0.96	51	87	14	31
T Rowe Price Retirement 2040*	-0.68	-0.63	-0.41	-1.11	54	92	27	32
T Rowe Price Retirement 2045*	-0.67	-0.51	-0.50	-1.11	55	92	41	37
T Rowe Price Retirement 2050*	-0.62	-0.40	-0.49	-1.12	59	86	44	41
T Rowe Price Retirement 2055*	-0.70	-0.53	-0.55	-1.16	70	88	60	59
Tier III - Active Core								
Great West Fixed Fund 457(b)	-0.57	-0.62	0.93	-	71	46	32	-
Great West Fixed Fund 403(b)	-0.32	0.54	2.15	1.63	10	1	1	1
AIG Fixed Fund	-0.57	-0.64	0.93	0.57	71	48	32	36
PIMCO Inflation Response Multi-Asset Inst	-0.55	0.31	3.42	1.14	71	48	32	27
Baird Core Plus Bond	0.11	0.27	0.89	0.40	71	26	66	49
Boston Trust SMID Cap Fund	-1.35	5.55	-0.08	1.95	74	40	72	16
GQG International Opportunities Fund	-3.07	0.84	-0.12	4.89	97	68	69	5

Above Benchmark, and above/at median percentile

Within 1.0% of benchmark, and the third quartile peer group

> 1.0% below the benchmark, and the fourth quartile peer group

\*Alternate share class shown to illustrate performance history.

Percentages are determined by the outperformance of the trailing 3-Year returns to the benchmark and peer group median over the prior twenty quarters.

Rolling 3-Year	Rolling 3-Year
Period	Period
Performance	Performance
Benchmark	Peer Group Median
30 30 30 35 20 15	100 95 95 95 95 95 95
10	95
10	100
10	100
10	100
10	95
-	-
-	-
95	40
95	75
70	95
-	-

<sup>\*\*</sup>TierII is not included because it is Passive Core.

As of March 31, 2023

			Performance %			
	1	1	3	5		
Total Fairfax Public Schools Plans	Quarter	Year	Years	Years		
Total Fairiax Public Schools Plans						
Tier I - Target Date						
T. Rowe Price Retirement I 2005 I	4.21 (13)	-5.59 (61)	6.62 (12)	4.01 (11)		
T. Rowe Price Retirement 2005*	4.20 (14)	-5.70 (65)	6.45 (13)	3.87 (13)		
T. Rowe Price Retirement 2005 Index	4.63 (1)	-5.03 (44)	5.56 (25)	4.35 (5)		
T. Rowe Price Retirement I 2010 I	4.29 (26)	-5.69 (86)	7.33 (1)	4.32 (10)		
T. Rowe Price Retirement 2010*	4.30 (25)	-5.85 (93)	7.19 (6)	4.17 (19)		
T. Rowe Price Retirement 2010 Index	4.79 (1)	-5.20 (78)	6.39 (35)	4.66 (1)		
T. Rowe Price Retirement I 2015 I	4.48 (45)	-5.79 (82)	8.24 (1)	4.65 (5)		
T. Rowe Price Retirement 2015*	4.45 (47)	-5.80 (83)	8.10 (5)	4.51 (13)		
T. Rowe Price Retirement 2015 Index	4.93 (5)	-5.35 (53)	7.24 (20)	4.98 (1)		
T. Rowe Price Retirement I 2020 I	4.63 (39)	-5.81 (62)	9.33 (1)	5.00 (4)		
T. Rowe Price Retirement 2020*	4.60 (43)	-5.99 (65)	9.17 (7)	4.86 (12)		
T. Rowe Price Retirement 2020 Index	5.08 (17)	-5.55 (55)	8.41 (13)	5.36 (1)		
T. Rowe Price Retirement I 2025 I	4.89 (53)	-6.29 (68)	10.61 (1)	5.42 (6)		
T. Rowe Price Retirement 2025*	4.86 (55)	-6.44 (77)	10.48 (3)	5.30 (10)		
T. Rowe Price Retirement 2025 Index	5.40 (15)	-5.93 (58)	9.98 (5)	5.95 (1)		
T. Rowe Price Retirement I 2030 I	5.38 (49)	-6.87 (83)	11.81 (1)	5.82 (11)		
T. Rowe Price Retirement 2030*	5.31 (54)	-7.03 (86)	11.65 (3)	5.69 (17)		
T. Rowe Price Retirement 2030 Index	5.90 (12)	-6.45 (65)	11.46 (4)	6.49 (1)		

\*Alternate share class shown to illustrate performance history.

7 Years	10 Years
	i cai s
4.93 (5)	-
4.80 (7)	4.60 (9)
4.94 (5)	4.79 (4)
5.36 (1)	-
5.22 (7)	5.06 (11)
5.39 (1)	5.25 (2)
5.93 (1)	-
5.79 (3)	5.70 (3)
5.95 (1)	5.86 (1)
6.61 (1)	-
6.48 (2)	6.38 (1)
6.61 (1)	6.46 (1)
7.27 (1)	-
7.14 (2)	7.03 (2)
7.40 (1)	7.20 (1)
7.88 (1)	-
7.74 (8)	7.60 (4)
8.12 (1)	7.81 (2)

As of March 31, 2023

			Performa	ance %
	1	1	3	5
	Quarter	Year	Years	Years
T. Rowe Price Retirement I 2035 I	5.83 (46)	-7.24 (81)	12.91 (8)	6.19 (24)
T. Rowe Price Retirement 2035*	5.74 (51)	-7.42 (87)	12.75 (14)	6.05 (31)
T. Rowe Price Retirement 2035 Index	6.36 (11)	-6.84 (66)	12.81 (12)	7.01 (1)
T. Rowe Price Retirement I 2040 I	6.17 (47)	-7.61 (90)	13.89 (18)	6.54 (21)
T. Rowe Price Retirement 2040*	6.06 (54)	-7.77 (92)	13.67 (27)	6.37 (32)
T. Rowe Price Retirement 2040 Index	6.74 (14)	-7.14 (77)	14.08 (13)	7.48 (1)
T. Rowe Price Retirement I 2045 I	6.30 (54)	-7.64 (87)	14.64 (28)	6.77 (32)
T. Rowe Price Retirement 2045*	6.25 (55)	-7.80 (92)	14.46 (41)	6.64 (37)
T. Rowe Price Retirement 2045 Index	6.92 (12)	-7.29 (67)	14.96 (14)	7.75 (1)
T. Rowe Price Retirement I 2050 I	6.38 (58)	-7.69 (83)	14.65 (33)	6.79 (29)
T. Rowe Price Retirement 2050*	6.36 (59)	-7.73 (86)	14.52 (44)	6.66 (41)
T. Rowe Price Retirement 2050 Index	6.98 (13)	-7.33 (66)	15.01 (20)	7.78 (1)
T. Rowe Price Retirement I 2055 I	6.36 (59)	-7.76 (86)	14.64 (34)	6.79 (29)
T. Rowe Price Retirement 2055*	6.30 (61)	-7.89 (90)	14.45 (47)	6.61 (51)
T. Rowe Price Retirement 2055 Index	7.00 (13)	-7.36 (66)	15.01 (20)	7.78 (1)
Tier II - Passive Core				
iShares S&P 500 Index	7.49 (30)	-7.75 (17)	18.55 (28)	11.17 (14)
S&P 500 Index	7.50 (11)	-7.73 (4)	18.60 (2)	11.19 (3)

7		10	
Yea		Yea	rs
8.40	(4)	-	
8.25	(8)	8.06	(6)
8.74	(2)	8.32	(4)
8.85	(4)	-	
8.70	(12)	8.42	(8)
9.30	(1)	8.75	(4)
9.09	(12)	-	
8.96	(18)	8.61	(11)
9.57	(1)	8.94	(4)
9.10	(12)	-	
8.99	(20)	8.63	(12)
9.59	(1)	8.95	(5)
9.09	(12)	-	
8.94	(21)	8.59	(12)
9.59	(1)	8.95	(5)
12.40	(6)	12.20	(9)

12.42 (1)

12.20 (<del>3</del>) 12.24 (1)

As of March 31, 2023

			Performa	ance %	
	1	1	3	5	
	Quarter	Year	Years	Years	
Tier III - Active Core					
Great West Fixed Fund 457(b)	0.50 (71)	1.88 (46)	1.81 (32)	-	
90 Day U.S. Treasury Bill	1.07 (8)	2.50 (1)	0.89 (96)	1.41 (86)	1
Great West Fixed Fund 403(b)	0.75 (10)	3.04 (1)	3.04 (1)	3.04 (1)	
90 Day U.S. Treasury Bill	1.07 (8)	2.50 (1)	0.89 (96)	1.41 (86)	1
AIG Fixed Fund	0.50 (71)	1.87 (48)	1.81 (32)	1.98 (36)	
90 Day U.S. Treasury Bill	1.07 (8)	2.50 (1)	0.89 (96)	1.41 (86)	1
PIMCO Inflation Response Multi-Asset Inst	1.46 (71)	-6.62 (48)	10.43 (32)	4.91 (27)	5
PIMCO IRMA Benchmark	2.01 (61)	-6.93 (53)	7.01 (61)	3.78 (42)	3
Baird Core Plus Bond	3.04 (71)	-4.34 (26)	-1.13 (66)	1.44 (49)	1
Blmbg. U.S. Universal Index	2.93 (78)	-4.61 (32)	-2.02 (87)	1.05 (74)	1
Boston Trust SMID Cap Fund	2.04 (74)	-4.84 (40)	19.34 (72)	8.60 (16)	10
Russell 2500 Index	3.39 (44)	-10.39 (88)	19.42 (72)	6.65 (51)	9
GQG International Opportunities Fund	3.79 (97)	-4.23 (68)	11.68 (69)	7.36 (5)	
MSCI AC World ex USA Index (Net)	6.87 (76)	-5.07 (77)	11.80 (67)	2.47 (65)	5

7 Yea		10 Yea	
-		-	
1.20	(93)	0.86	(99)
-		-	
1.20	(93)	0.86	(99)
-		-	
1.20	(93)	0.86	(99)
5.43	(41)	2.69	(84)
3.54	(73)	1.22	(95)
1.71	(38)	2.00	(37)
1.24	(76)	1.62	(55)
10.87	(12)	10.02	(19)
9.46	(40)	9.07	(48)
-		-	
5.86	(60)	4.17	(79)

Calendar Year Performance

	2022	2021	2020	2019	2018	2017	2016
Tier I - Target Date							
T. Rowe Price Retirement I 2005 I	-13.51 (59)	8.18 (16)	11.51 (14)	15.16 (20)	-3.12 (54)	10.74 (18)	6.69 (29)
T. Rowe Price Retirement 2005*	-13.66 (65)	8.05 (17)	11.24 (15)	15.08 (21)	-3.26 (58)	10.67 (18)	6.72 (28)
T. Rowe Price Retirement 2005 Index	-13.48 (58)	8.12 (17)	12.00 (10)	14.88 (23)	-2.58 (34)	10.12 (30)	5.84 (44)
T. Rowe Price Retirement I 2010 I	-13.86 (90)	8.97 (4)	12.06 (5)	16.31 (5)	-3.56 (77)	11.82 (7)	7.18 (26)
T. Rowe Price Retirement 2010*	-14.00 (93)	8.75 (13)	11.90 (14)	16.16 (7)	-3.61 (81)	11.66 (9)	7.11 (27)
T. Rowe Price Retirement 2010 Index	-13.91 (91)	8.96 (5)	12.58 (1)	16.05 (8)	-3.02 (34)	11.20 (17)	6.27 (58)
T. Rowe Price Retirement I 2015 I	-14.17 (58)	9.74 (12)	12.81 (8)	17.55 (4)	-4.09 (65)	13.52 (11)	7.25 (34)
T. Rowe Price Retirement 2015*	-14.17 (58)	9.54 (19)	12.57 (20)	17.40 (6)	-4.17 (68)	13.34 (14)	7.31 (28)
T. Rowe Price Retirement 2015 Index	-14.24 (62)	9.73 (12)	13.05 (7)	17.43 (5)	-3.58 (36)	12.87 (21)	6.91 (39)
T. Rowe Price Retirement I 2020 I	-14.46 (61)	10.60 (9)	13.31 (24)	19.45 (3)	-4.82 (70)	15.90 (1)	7.57 (16)
T. Rowe Price Retirement 2020*	-14.66 (67)	10.47 (12)	13.19 (26)	19.37 (4)	-4.94 (72)	15.74 (3)	7.41 (21)
T. Rowe Price Retirement 2020 Index	-14.59 (65)	10.64 (6)	13.49 (17)	19.39 (4)	-4.38 (51)	14.87 (17)	7.51 (18)
T. Rowe Price Retirement I 2025 I	-15.46 (58)	12.04 (5)	14.62 (17)	21.15 (3)	-5.54 (65)	17.82 (1)	7.56 (26)
T. Rowe Price Retirement 2025*	-15.67 (67)	11.88 (12)	14.69 (16)	20.95 (4)	-5.62 (69)	17.68 (1)	7.55 (27)
T. Rowe Price Retirement 2025 Index	-15.36 (55)	12.27 (4)	14.62 (17)	21.36 (1)	-5.00 (45)	16.68 (14)	8.21 (20)
T. Rowe Price Retirement I 2030 I	-16.86 (78)	13.75 (11)	15.92 (10)	22.68 (5)	-6.16 (49)	19.52 (1)	7.77 (43)
T. Rowe Price Retirement 2030*	-16.98 (84)	13.55 (13)	15.90 (10)	22.48 (8)	-6.28 (60)	19.45 (1)	7.69 (47)
T. Rowe Price Retirement 2030 Index	-16.39 (54)	14.23 (4)	15.65 (15)	23.06 (1)	-5.67 (42)	18.28 (25)	8.80 (14)
T. Rowe Price Retirement I 2035 I	-17.85 (79)	15.28 (18)	17.04 (12)	23.90 (15)	-6.81 (48)	21.03 (7)	7.68 (60)
T. Rowe Price Retirement 2035*	-18.04 (91)	15.08 (20)	17.05 (12)	23.70 (16)	-6.87 (51)	20.88 (7)	7.64 (63)
T. Rowe Price Retirement 2035 Index	-17.14 (58)	16.07 (5)	16.50 (19)	24.46 (9)	-6.20 (27)	19.58 (31)	9.21 (15)

Returns for periods greater than one year are annualized. Returns are expressed as percentages.

\*Alternate share class shown to illustrate performance history.

201	5	201	4	201	3
-		-		-	
-0.75	(37)	4.72	(41)	9.74	(26)
-0.10	(21)	5.48	(30)	9.86	(26)
-		-		-	
-0.76	(33)	4.99	(43)	11.93	(14)
-0.17	(24)	5.77	(25)	12.00	(13)
-		-		-	
-0.58	(42)	5.37	(42)	15.18	(6)
-0.28	(29)	6.30	(24)	14.97	(8)
-		-		-	
-0.31	(25)	5.63	(54)	18.05	(6)
-0.49	(30)	6.60	(14)	17.43	(12)
-		-		-	
-0.17	(15)	5.84	(51)	20.78	(7)
-0.56	(24)	7.06	(8)	20.01	(11)
-		-		-	
-0.02	(10)	6.05	(46)	23.09	(6)
-0.73	(26)	7.29	(5)	22.13	(14)
-		-		-	
0.13	(7)	6.07	(58)	24.86	(8)
-0.87	(34)	7.37	(6)	23.76	(29)

Calendar Year Performance

	2022	2021	2020	2019	2018	2017	2016
T. Rowe Price Retirement I 2040 I	-18.72 (88)	16.58 (27)	18.16 (12)	24.89 (20)	-7.21 (40)	22.11 (3)	7.75 (68)
T. Rowe Price Retirement 2040*	-18.86 (94)	16.35 (39)	18.11 (13)	24.68 (24)	-7.32 (44)	22.02 (5)	7.63 (71)
T. Rowe Price Retirement 2040 Index	-17.66 (51)	17.75 (5)	17.24 (21)	25.55 (11)	-6.61 (25)	20.62 (34)	9.58 (11)
T. Rowe Price Retirement I 2045 I	-18.98 (92)	17.43 (36)	18.72 (7)	25.52 (27)	-7.51 (40)	22.55 (10)	7.75 (71)
T. Rowe Price Retirement 2045*	-19.11 (95)	17.20 (44)	18.65 (8)	25.39 (36)	-7.57 (41)	22.41 (13)	7.69 (73)
T. Rowe Price Retirement 2045 Index	-17.92 (45)	18.76 (10)	17.60 (24)	26.33 (10)	-6.96 (21)	21.02 (47)	9.70 (23)
T. Rowe Price Retirement I 2050 I	-19.09 (87)	17.54 (47)	18.72 (7)	25.57 (39)	-7.51 (30)	22.55 (12)	7.75 (75)
T. Rowe Price Retirement 2050*	-19.17 (93)	17.35 (50)	18.68 (8)	25.32 (44)	-7.58 (32)	22.38 (13)	7.71 (76)
T. Rowe Price Retirement 2050 Index	-17.98 (45)	18.91 (11)	17.62 (25)	26.33 (14)	-6.96 (10)	21.02 (54)	9.70 (19)
T. Rowe Price Retirement I 2055 I	-19.12 (92)	17.57 (46)	18.68 (8)	25.52 (39)	-7.50 (29)	22.57 (11)	7.65 (77)
T. Rowe Price Retirement 2055*	-19.24 (94)	17.29 (51)	18.55 <i>(</i> 9)	25.38 (41)	-7.62 (33)	22.33 (14)	7.73 (76)
T. Rowe Price Retirement 2055 Index	-18.00 (45)	18.91 (11)	17.62 (25)	26.33 (14)	-6.96 (10)	21.02 (54)	9.70 (19)
Tier II - Passive Core							
iShares S&P 500 Index	-18.13 (21)	28.65 (34)	18.43 (12)	31.43 (25)	-4.38 (8)	21.77 (22)	11.92 (15)
S&P 500 Index	-18.11 (7)	28.71 (3)	18.40 (23)	31.49 (8)	-4.38 (8)	21.83 (4)	11.96 (10)
Tier III - Active Core							
Great West Fixed Fund 457(b)	1.79 (27)	1.76 (20)	1.89 (64)	-	-	-	-
90 Day U.S. Treasury Bill	1.46 (60)	0.05 (97)	0.67 (100)	2.28 (52)	1.87 (62)	0.86 (99)	0.25 (100)
Great West Fixed Fund 403(b)	3.04 (1)	3.04 (1)	3.04 (4)	3.04 (7)	-	-	-
90 Day U.S. Treasury Bill	1.46 (60)	0.05 (97)	0.67 (100)	2.28 (52)	1.87 (62)	0.86 (99)	0.25 (100)

Returns for periods greater than one year are annualized. Returns are expressed as percentages. \*Alternate share class shown to illustrate performance history.

201	5	201	4	201	3
-		-		-	
0.17	(4)	6.18	(51)	25.93	(13)
-1.01	(34)	7.43	(5)	24.73	(35)
-		-		-	
0.17	(5)	6.14	(58)	25.93	(13)
-0.98	(34)	7.43	(6)	24.73	(39)
-		-		-	
0.19	(5)	6.19	(58)	25.90	
-0.98	(31)	7.43	(6)	24.73	(36)
-		-		-	
0.18	(5)	6.18	(59)	25.86	(12)
-0.98	(31)	7.43	(6)	24.73	(36)
	(15)	13.61	(13)	32.21	
1.38	(9)	13.69	(1)	32.39	(4)
-		-		-	
0.03	(100)	0.04	(100)	0.05	(94)
-		-		-	
0.03	(100)	0.04	(100)	0.05	(94)

Calendar Year Performance

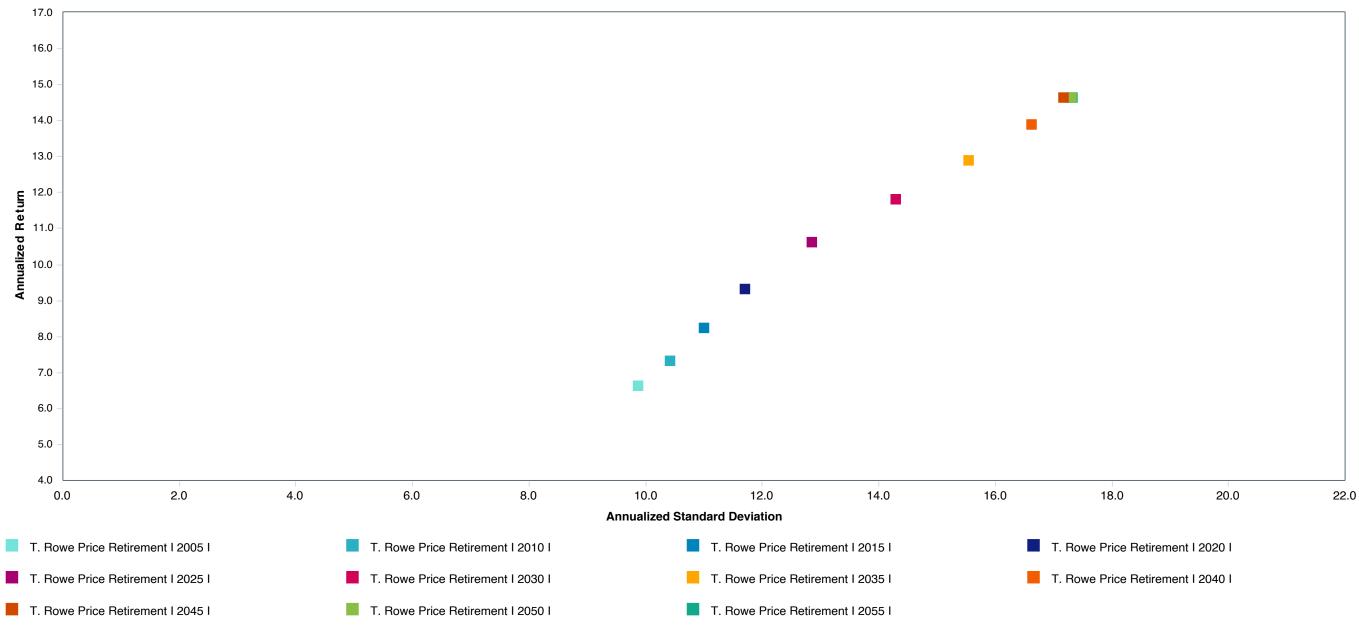
	2022	2021	2020	2019	2018	2017	2016
AIG Fixed Fund	1.78 (28)	1.72 (22)	1.97 (55)	2.24 (58)	2.22 (17)	-	-
90 Day U.S. Treasury Bill	1.46 (60)	0.05 (97)	0.67 (100)	2.28 (52)	1.87 (62)	0.86 (99)	0.25 (100)
PIMCO Inflation Response Multi-Asset Inst	-5.12 (12)	13.83 (37)	9.36 (42)	10.03 (83)	-3.71 (24)	8.59 (74)	10.53 (26)
PIMCO IRMA Benchmark	-6.13 (15)	11.22 (50)	5.85 (63)	10.30 (82)	-3.86 (25)	5.08 (92)	6.76 (55)
Baird Core Plus Bond	-12.87 (36)	-1.02 (65)	8.80 (49)	10.11 (36)	-0.51 (40)	4.65 (56)	4.73 (42)
Blmbg. U.S. Universal Index	-12.99 (40)	-1.10 (70)	7.58 (75)	9.29 (60)	-0.25 (34)	4.09 (74)	3.91 (55)
Boston Trust SMID Cap Fund	-12.04 (37)	30.46 (24)	8.26 (58)	26.74 (41)	-5.62 (9)	18.39 (26)	20.16 (30)
Russell 2500 Index	-18.37 (88)	18.18 (93)	19.99 (9)	27.77 (26)	-10.00 (33)	16.81 (47)	17.59 (51)
GQG International Opportunities Fund	-11.03 (20)	12.45 (31)	15.86 (29)	27.59 (20)	-6.02 (2)	31.75 (11)	-
MSCI AC World ex USA Index (Net)	-16.00 (53)	7.82 (75)	10.65 (46)	21.51 (59)	-14.20 (46)	27.19 (39)	4.50 (25)

Returns for periods greater than one year are annualized. Returns are expressed as percentages. \*Alternate share class shown to illustrate performance history.

201	5	201	4	201	3
-		-		-	
0.03	(100)	0.04	(100)	0.05	(94)
-6.77	(78)	1.57	(76)	-9.29	(100)
-7.47	(83)	-0.34	(86)	-8.89	(100)
0.14	(45)	6.59	(25)	-1.32	(68)
0.43	(26)	5.56	(46)	-1.35	(68)
-2.46	(38)	4.14	(73)	30.67	(94)
-2.90	(42)	7.07	(53)	36.80	(35)
-		-		-	
-5.66	(83)	-3.87	(33)	15.29	(86)

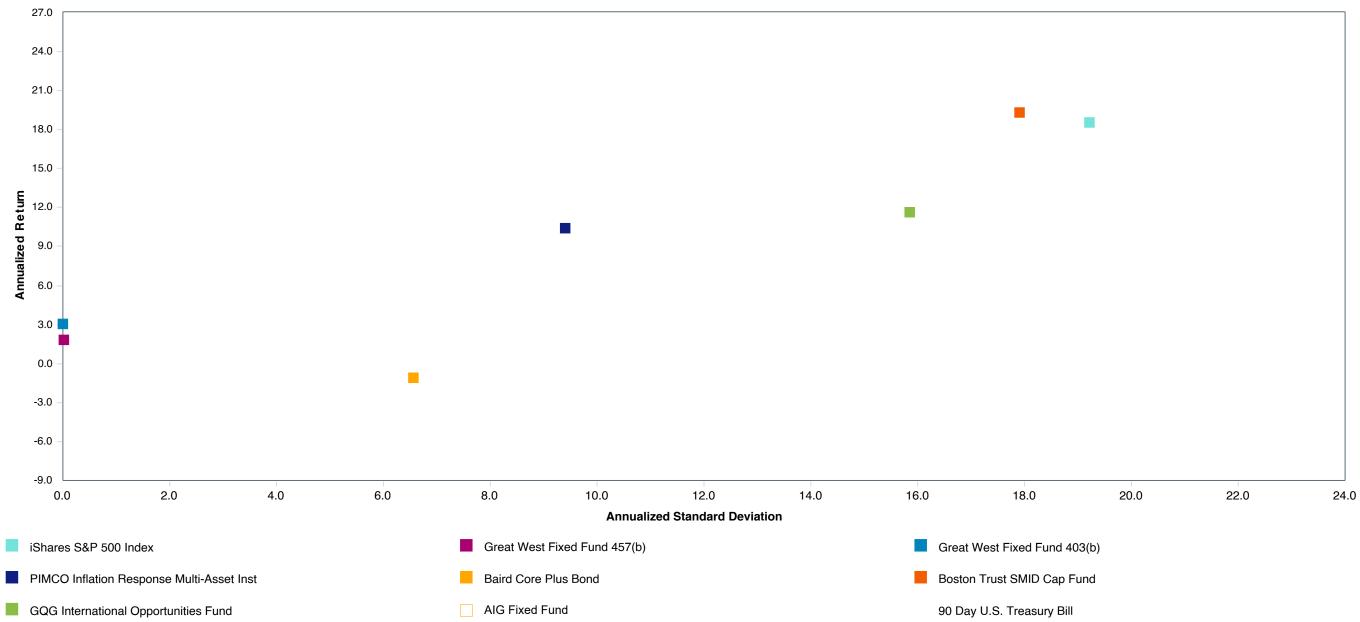
## **Risk Profile - Target Date Fund**

3 Years Ending March 31, 2023



### **Risk Profile - Tier II & Tier III**

3 Years Ending March 31, 2023



## FCPS 403(b) Plans

Investment Fee Analysis As of March 31, 2022

Fund NameVehicle Type1Peer GroupExpense Ratio2Revenue ShareNet of Revenue ShareUniverse Offer MedianT. Powe Price Retirement 1 2005 1MFMixed-Asset Target Today [Active]0.34%0.00%0.34%0.48% T. Rowe Price Retirement 1 2010 1MFMixed-Asset Target 2010 [Active]0.34%0.00%0.34%0.48% T. Rowe Price Retirement 1 2015 1MFMixed-Asset Target 2015 [Active]0.36%0.00%0.34%0.40% T. Rowe Price Retirement 1 2020 1MFMixed-Asset Target 2020 [Active]0.36%0.00%0.37%0.42% T. Rowe Price Retirement 1 2020 1MFMixed-Asset Target 2025 [Active]0.37%0.00%0.37%0.42% T. Rowe Price Retirement 1 2020 1MFMixed-Asset Target 2020 [Active]0.39%0.00%0.39%0.44% T. Rowe Price Retirement 1 2020 1MFMixed-Asset Target 2030 [Active]0.41%0.00%0.41%0.45% T. Rowe Price Retirement 1 2030 1MFMixed-Asset Target 2030 [Active]0.42%0.00%0.42%0.48% T. Rowe Price Retirement 1 2035 1MFMixed-Asset Target 2035 [Active]0.42%0.00%0.44%T. Rowe Price Retirement 1 2040 1MFMixed-Asset Target 2045 [Active]0.43%0.00%0.44%T. Rowe Price Retirement 1 2040 1MFMixed-Asset Target 2045 [Active]0.44%0.00%0.44%	omparison <sup>3</sup>
Tier I – Target Date Funds         T. Rowe Price Retirement I 2005 I       MF       Mixed-Asset Target Today [Active]       0.34%       0.00%       0.34%       0.48% ✓         T. Rowe Price Retirement I 2010 I       MF       Mixed-Asset Target 2010 [Active]       0.34%       0.00%       0.34%       0.37% ✓         T. Rowe Price Retirement I 2015 I       MF       Mixed-Asset Target 2015 [Active]       0.36%       0.00%       0.36%       0.40% ✓         T. Rowe Price Retirement I 2020 I       MF       Mixed-Asset Target 2020 [Active]       0.37%       0.00%       0.37%       0.42% ✓         T. Rowe Price Retirement I 2025 I       MF       Mixed-Asset Target 2025 [Active]       0.39%       0.00%       0.39%       0.44% ✓         T. Rowe Price Retirement I 2030 I       MF       Mixed-Asset Target 2030 [Active]       0.41%       0.00%       0.41%       0.45% ✓         T. Rowe Price Retirement I 2035 I       MF       Mixed-Asset Target 2035 [Active]       0.42%       0.00%       0.42%       0.48% ✓         T. Rowe Price Retirement I 2035 I       MF       Mixed-Asset Target 2040 [Active]       0.42%       0.00%       0.44%       0.49% ✓         T. Rowe Price Retirement I 2040 I       MF       Mixed-Asset Target 2040 [Active]       0.43%       0.00%       0.44%       0.4	ring vs. Median
T. Rowe Price Retirement I 2005 I       MF       Mixed-Asset Target Today [Active]       0.34%       0.00%       0.34%       0.48%         T. Rowe Price Retirement I 2010 I       MF       Mixed-Asset Target 2010 [Active]       0.34%       0.00%       0.34%       0.37%       0.37%         T. Rowe Price Retirement I 2015 I       MF       Mixed-Asset Target 2015 [Active]       0.36%       0.00%       0.36%       0.40%       0.40%         T. Rowe Price Retirement I 2020 I       MF       Mixed-Asset Target 2020 [Active]       0.37%       0.00%       0.37%       0.42%       0.42%         T. Rowe Price Retirement I 2025 I       MF       Mixed-Asset Target 2025 [Active]       0.39%       0.00%       0.39%       0.44%       0.42%       0.42%       0.42%       0.42%       0.42%       0.42%       0.42%       0.42%       0.42%       0.42%       0.42%       0.42%       0.44%       0.45%       0.42%       0.44%       0.45%       0.42%       0.44%       0.45%       0.45%       0.45%       0.45%       0.45%       0.44%       0.45%       0.45%       0.44%       0.45%       0.44%       0.45%       0.44%       0.45%       0.45%       0.45%       0.45%       0.45%       0.45%       0.44%       0.45%       0.45%       0.44% <t< th=""><th></th></t<>	
T. Rowe Price Retirement I 2010 I       MF       Mixed-Asset Target 2010 [Active]       0.34%       0.00%       0.34%       0.37%         T. Rowe Price Retirement I 2015 I       MF       Mixed-Asset Target 2015 [Active]       0.36%       0.00%       0.36%       0.40%         T. Rowe Price Retirement I 2020 I       MF       Mixed-Asset Target 2020 [Active]       0.37%       0.00%       0.37%       0.42%         T. Rowe Price Retirement I 2020 I       MF       Mixed-Asset Target 2020 [Active]       0.37%       0.00%       0.39%       0.44%         T. Rowe Price Retirement I 2025 I       MF       Mixed-Asset Target 2025 [Active]       0.39%       0.00%       0.39%       0.44%         T. Rowe Price Retirement I 2030 I       MF       Mixed-Asset Target 2030 [Active]       0.41%       0.00%       0.41%       0.45%         T. Rowe Price Retirement I 2035 I       MF       Mixed-Asset Target 2035 [Active]       0.42%       0.00%       0.42%       0.48%         T. Rowe Price Retirement I 2040 I       MF       Mixed-Asset Target 2040 [Active]       0.43%       0.00%       0.43%       0.49%         T. Rowe Price Retirement I 2040 I       MF       Mixed-Asset Target 2040 [Active]       0.43%       0.00%       0.44%       0.49%         T. Rowe Price Retirement I 2045 I       MF </td <td></td>	
T. Rowe Price Retirement I 2015 I       MF       Mixed-Asset Target 2015 [Active]       0.36%       0.00%       0.36%       0.40%         T. Rowe Price Retirement I 2020 I       MF       Mixed-Asset Target 2020 [Active]       0.37%       0.00%       0.37%       0.42%         T. Rowe Price Retirement I 2025 I       MF       Mixed-Asset Target 2025 [Active]       0.39%       0.00%       0.39%       0.44%         T. Rowe Price Retirement I 2030 I       MF       Mixed-Asset Target 2030 [Active]       0.41%       0.00%       0.41%       0.45%         T. Rowe Price Retirement I 2035 I       MF       Mixed-Asset Target 2035 [Active]       0.42%       0.00%       0.42%       0.48%         T. Rowe Price Retirement I 2035 I       MF       Mixed-Asset Target 2035 [Active]       0.42%       0.00%       0.42%       0.48%         T. Rowe Price Retirement I 2040 I       MF       Mixed-Asset Target 2045 [Active]       0.43%       0.00%       0.43%       0.49%         T. Rowe Price Retirement I 2040 I       MF       Mixed-Asset Target 2045 [Active]       0.44%       0.00%       0.44%       0.49%         T. Rowe Price Retirement I 2040 I       MF       Mixed-Asset Target 2045 [Active]       0.44%       0.00%       0.44%       0.49%         T. Rowe Price Retirement I 2045 I       MF </td <td></td>	
T. Rowe Price Retirement I 2020 I       MF       Mixed-Asset Target 2020 [Active]       0.37%       0.00%       0.37%       0.42%         T. Rowe Price Retirement I 2025 I       MF       Mixed-Asset Target 2025 [Active]       0.39%       0.00%       0.39%       0.44%         T. Rowe Price Retirement I 2030 I       MF       Mixed-Asset Target 2030 [Active]       0.41%       0.00%       0.41%       0.45%         T. Rowe Price Retirement I 2035 I       MF       Mixed-Asset Target 2035 [Active]       0.42%       0.00%       0.42%       0.48%         T. Rowe Price Retirement I 2035 I       MF       Mixed-Asset Target 2035 [Active]       0.42%       0.00%       0.42%       0.48%         T. Rowe Price Retirement I 2040 I       MF       Mixed-Asset Target 2040 [Active]       0.43%       0.00%       0.43%       0.49%         T. Rowe Price Retirement I 2040 I       MF       Mixed-Asset Target 2040 [Active]       0.44%       0.00%       0.44%       0.49%         T. Rowe Price Retirement I 2045 I       MF       Mixed-Asset Target 2045 [Active]       0.44%       0.00%       0.44%       0.49%	
T. Rowe Price Retirement I 2025 I       MF       Mixed-Asset Target 2025 [Active]       0.39%       0.00%       0.39%       0.44% ✓         T. Rowe Price Retirement I 2030 I       MF       Mixed-Asset Target 2030 [Active]       0.41%       0.00%       0.41%       0.45% ✓         T. Rowe Price Retirement I 2035 I       MF       Mixed-Asset Target 2035 [Active]       0.42%       0.00%       0.42%       0.48% ✓         T. Rowe Price Retirement I 2040 I       MF       Mixed-Asset Target 2040 [Active]       0.43%       0.00%       0.43%       0.49% ✓         T. Rowe Price Retirement I 2040 I       MF       Mixed-Asset Target 2040 [Active]       0.44%       0.00%       0.44%       0.49% ✓         T. Rowe Price Retirement I 2045 I       MF       Mixed-Asset Target 2045 [Active]       0.44%       0.00%       0.44%       0.49% ✓	
T. Rowe Price Retirement I 2030 I       MF       Mixed-Asset Target 2030 [Active]       0.41%       0.00%       0.41%       0.45%         T. Rowe Price Retirement I 2035 I       MF       Mixed-Asset Target 2035 [Active]       0.42%       0.00%       0.42%       0.48%         T. Rowe Price Retirement I 2040 I       MF       Mixed-Asset Target 2040 [Active]       0.43%       0.00%       0.43%       0.49%         T. Rowe Price Retirement I 2040 I       MF       Mixed-Asset Target 2040 [Active]       0.44%       0.00%       0.44%       0.49%	
T. Rowe Price Retirement I 2040 I       MF       Mixed-Asset Target 2035 [Active]       0.42%       0.00%       0.42%       0.48%         T. Rowe Price Retirement I 2040 I       MF       Mixed-Asset Target 2040 [Active]       0.43%       0.00%       0.43%       0.49%         T. Rowe Price Retirement I 2045 I       MF       Mixed-Asset Target 2045 [Active]       0.44%       0.00%       0.44%       0.49%	
T. Rowe Price Retirement I 2040 I       MF       Mixed-Asset Target 2040 [Active]       0.43%       0.00%       0.43%       0.49%         T. Rowe Price Retirement I 2045 I       MF       Mixed-Asset Target 2045 [Active]       0.44%       0.00%       0.44%       0.49%	
T. Rowe Price Retirement I 2045 I       MF       Mixed-Asset Target 2045 [Active]       0.44%       0.00%       0.44%       0.49% ✓	
T. Rowe Price Retirement I 2050 I MF Mixed-Asset Target 2050 [Active] 0.45% 0.00% 0.45% 0.49% ✓	
T. Rowe Price Retirement I 2055 I         MF         Mixed-Asset Target 2055 [Active]         0.46%         0.00%         0.46%         0.49%	
Tier II — Passive Funds	
iShares S&P 500 Index MF S&P 500 Index [Passive] 0.03% 0.00% 0.03% 0.19% 🗸	
Tier III — Active Funds	
Great West Fixed Fund MF Stable Value N/A 0.00% - 0.40%	
AlG Fixed Fund         MF         Stable Value         N/A         0.00%         -         0.40%	
PIMCO Inflation Response Multi-Asset MF Flexible Portfolio 0.69% 0.00% 0.69% 0.99% 🗸	
Baird Core Plus Bond MF U.S. Brd Market Core & Core+ Fixed Income 0.30% 0.00% 0.30% 0.45% 🗸	
Boston Trust SMID Cap Fund         MF         U.S. SMID Cap Core Equity         0.75%         0.00%         0.75%         0.92%	
GQG International Opportunities Fund MF International Equity All 0.55% 0.00% 0.55% 0.94% 🗸	

Important Note: The investment fee analysis reported in the table above measures only the relative fee level of your current plan offerings as compared to medians from style-specific institutional mutual fund peer universes, which Aon Investments believes is an appropriate comparison regardless of vehicle-type being utilized. Additional universe statistics including percentile distributions, averages and dollar-weighted metrics are available upon request. Determining whether an investment's expense is reasonable depends on a variety of factors including the level of returns achieved and the method with which administration and operational expenses are paid. Understanding and evaluating the total cost of plan operations, including both investment and administration fees is a critical analysis that should be completed periodically.

<sup>1</sup>Vehicle Type Definitions: "MF" = Mutual Fund, "CIT" = Collective Investment Trust, "SA" = Separate Account, "A" = Annuity

<sup>2</sup>Expense Ratio is intended to represent a fund's total expense ratio which may include investment management fees, 12b-1 fees, custodial fees, trustee fees, revenue sharing components and/or charges for fund or plan administration.

<sup>3</sup>Institutional mutual fund fee universes were created by Aon Investments, as of June 30, 2022, using a custom proprietary methodology. Peer universe membership data has been sourced from Investment Metrics. Fund expense information has been sourced from Morningstar. Since fund expense ratios do not change frequently, Aon Investments believes this study to be a relevant comparison for up to a year, at which time it will be updated. For complete information on methodologies, contact your Aon Investments consultant.



## **Ratings Report Card**

#### **FCPS Plans**

Fund	Aon Rating
Tier I – Mixed Asset	
T. Rowe Price Retirement Trust	Buy
Tier II – Passive	
iShares S&P 500 Index	Buy
Tier III – Active	
Great West Fixed Fund	Buy
AIG Fixed Fund	Buy
PIMCO Inflation Response Multi-Asset	Buy
Baird Core Plus Bond	Buy
Boston Trust SMID Cap Fund	Buy
GQG International Opportunities Fund	Buy

<sup>1</sup> Qualified rating may be assigned based on a Qualitative <u>or</u> Quantitative Review

Many factors are considered when selecting and monitoring the investment options including, but not limited to:

- Business Ownership structure, profitability, stability of organization, client, asset base
- Investment Staff Quality of personnel, depth of resources, turnover, succession planning
- **Investment Process** Skilled investment decisions, clear and repeatable processes, understanding of competitive advantages
- Risk Management Embedded in broader investment process, independently verified
- Performance Risk-adjusted returns, compared to appropriate benchmarks and peer groups, measured over multiple periods
- **Operational Due Diligence** Operational controls, valuation of assets, independent directors
- Terms & Conditions Investment expenses should be reasonable for the value provided and benchmarked for reasonability based on the specific type of investment strategy being evaluated
- **ESG-** Degree to which the team is aware of potential ESG risks and has taken steps to identify, evaluate and mitigate these risks

## Fairfax County Public Schools 457(b) Plan Demographic Information\* As of March 31, 2023

Participants per Investment Option	
Investment Option	Participants
Great West Portfolio	718
PIMCO Total Return	577
PIMCO Inflation Response MultiAsst	42
T. Rowe Price Retirement I 2005 I	27
T. Rowe Price Retirement I 2010 I	14
T. Rowe Price Retirement I 2015 I	22
T. Rowe Price Retirement I 2020 I	57
T. Rowe Price Retirement I 2025 I	138
T. Rowe Price Retirement I 2030 I	135
T. Rowe Price Retirement I 2035 I	173
T. Rowe Price Retirement I 2040 I	126
T. Rowe Price Retirement I 2045 I	109
T. Rowe Price Retirement I 2050 I	76
T. Rowe Price Retirement I 2055 I	106
iShares S&P 500 Index	1220
Vanguard Mid Cap Index	949
Baron Growth	784
Artisan International	711

Investment Options	Participants
One	78 <sup>-</sup>
Тwo	401
Three	304
Four	298
Five	230
Six	240
Seven	37
Eight	18
More than Eight	26

Other Demographics	
Item	Result
Participation Rate	47.37%
Number of Participants with Account Balances	2,335
Average Deferral Rate	17.11%
Average Number of Funds per Participant	2.99
Average Account Balance	\$128,011.02

Participants with Balance in One Investment Option			
Investment Option	Participants		
Great-West Portfolio Fund	103		
PIMCO Total Return Admin	100		
PIMCO Inflation Response MultiAsst	11		
T. Rowe Price Retirement I 2005 I	8		
T. Rowe Price Retirement I 2010 I	6		
T. Rowe Price Retirement I 2015 I	6		
T. Rowe Price Retirement I 2020 I	14		
T. Rowe Price Retirement I 2025 I	13		
T. Rowe Price Retirement I 2030 I	16		
T. Rowe Price Retirement I 2035 I	26		
T. Rowe Price Retirement I 2040 I	16		
T. Rowe Price Retirement I 2045 I	16		
T. Rowe Price Retirement I 2050 I	13		
T. Rowe Price Retirement I 2055 I	11		
iShares S&P 500 Index	137		
Vanguard Mid Cap Index Ins	115		
Baron Growth Instl	92		
Artisan International Inv	78		



\*Information directly provided by Empower Retirement



## Fairfax County Public Schools 457(b) and 403(b) Plan Statistics As of March 31, 2023

	457(b)	403(b)	457(b) & 403(b)
Contributions			
Contributions Mar. 2021	\$ 1,274,000	\$ 4.6 million	
Contributions Mar. 2022	\$ 1,723,000	\$ 5.0 million	
Contributions Mar. 2023	\$ 300 million	\$ 5.1 million	
Assets			
Assets Mar. 31, 2021	\$306.8 million	\$1.181 billion	
Assets Mar. 31, 2022	\$319.0 million	\$1.183 billion	
Assets Mar. 31, 2023	\$299.2 million	\$1.079 billion	
Number of Participants			
Number of Participants Mar. 2021	2355	13,530	
Number of Participants Mar. 2022	2376	13,482	
Number of Participants Mar. 2023	2361	13,366	
Average Contributions per Month & Biv	weekly		
Mar. 2021	\$940/mo; \$211/biweek	\$ 810/mo; \$190/biweek	
Mar. 2022	\$1143/mo; \$239/biweek	\$ 876/mo; \$235/biweek	
Mar. 2023	\$1488/mo; \$241/biweek	\$ 925/mo; \$242/biweek	
Number of Employees Currently Contr	ibuting		
	1,159/month; 689/biweekly	5,311/month; 744/biweekly	
Number of Employees Currently	Contributing to both 457(b) and 403(	(b)	419

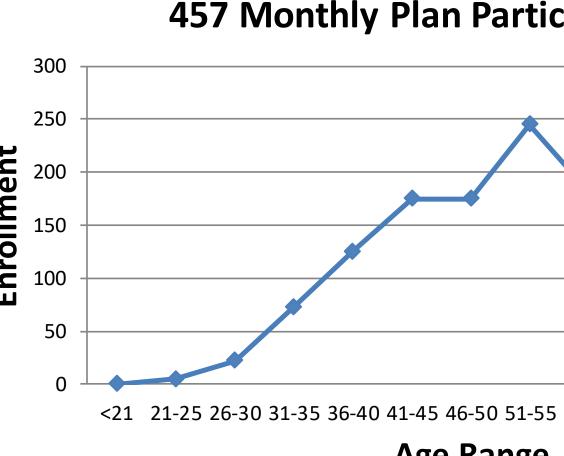


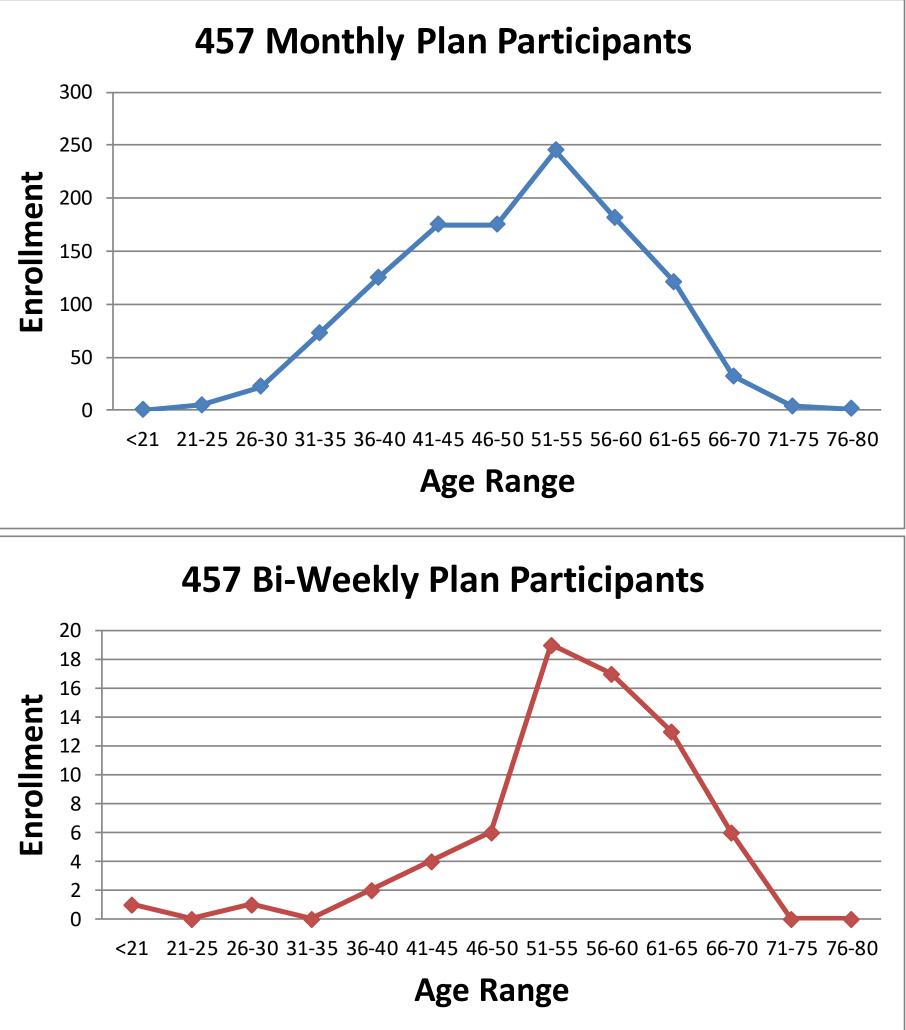
## Fairfax County Public Schools 457(b) Plan Enrollment As of March 31, 2023

#### **457 Plan Participants**

Age	Monthly	<b>Bi-Weekly</b>
<21	0	1
21-25	5	0
26-30	22	1
31-35	73	0
36-40	125	2
41-45	175	4
46-50	175	6
51-55	245	19
56-60	181	17
61-65	121	13
66-70	32	6
71-75	4	0
76-80	1	0

	Total	1159	69
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## Fairfax County Public Schools 403(b) Plan Enrollment As of March 31, 2023

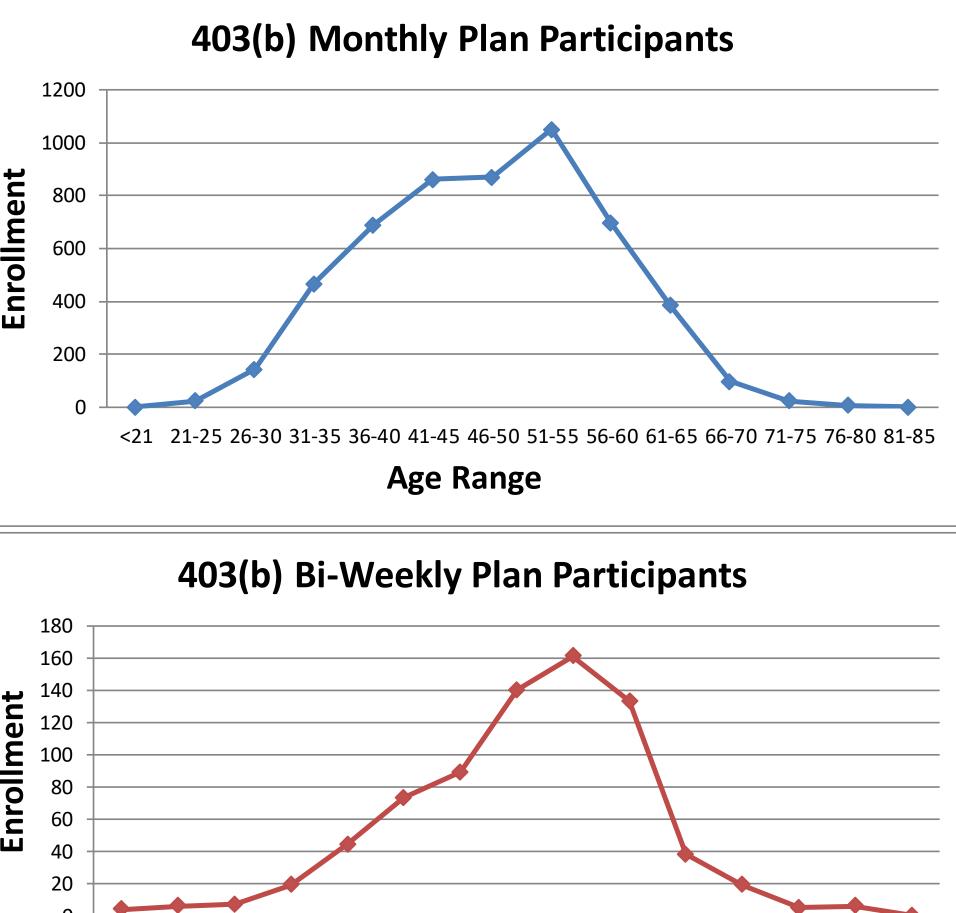
#### 403(b) Plan Participants

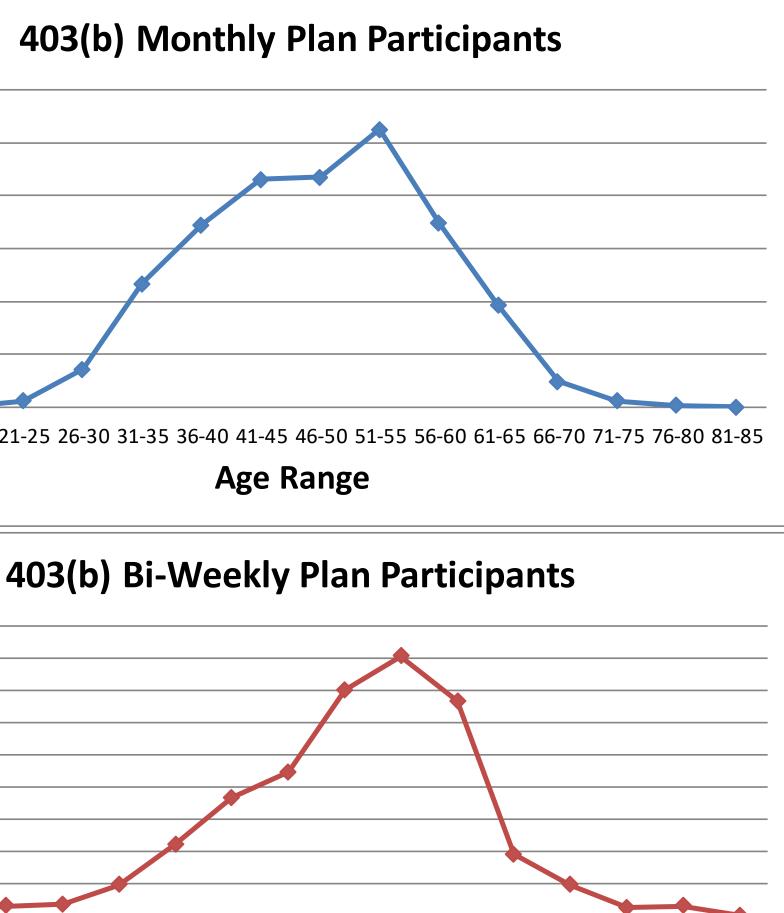
Age	Monthly	<b>Bi-Weekly</b>
<21	0	4
21-25	23	6
26-30	144	7
31-35	466	19
36-40	689	44
41-45	862	73
46-50	870	89
51-55	1051	140
56-60	695	161
61-65	384	133
66-70	97	38
71-75	23	19
76-80	6	5
81-85	1	6
86-90	0	0

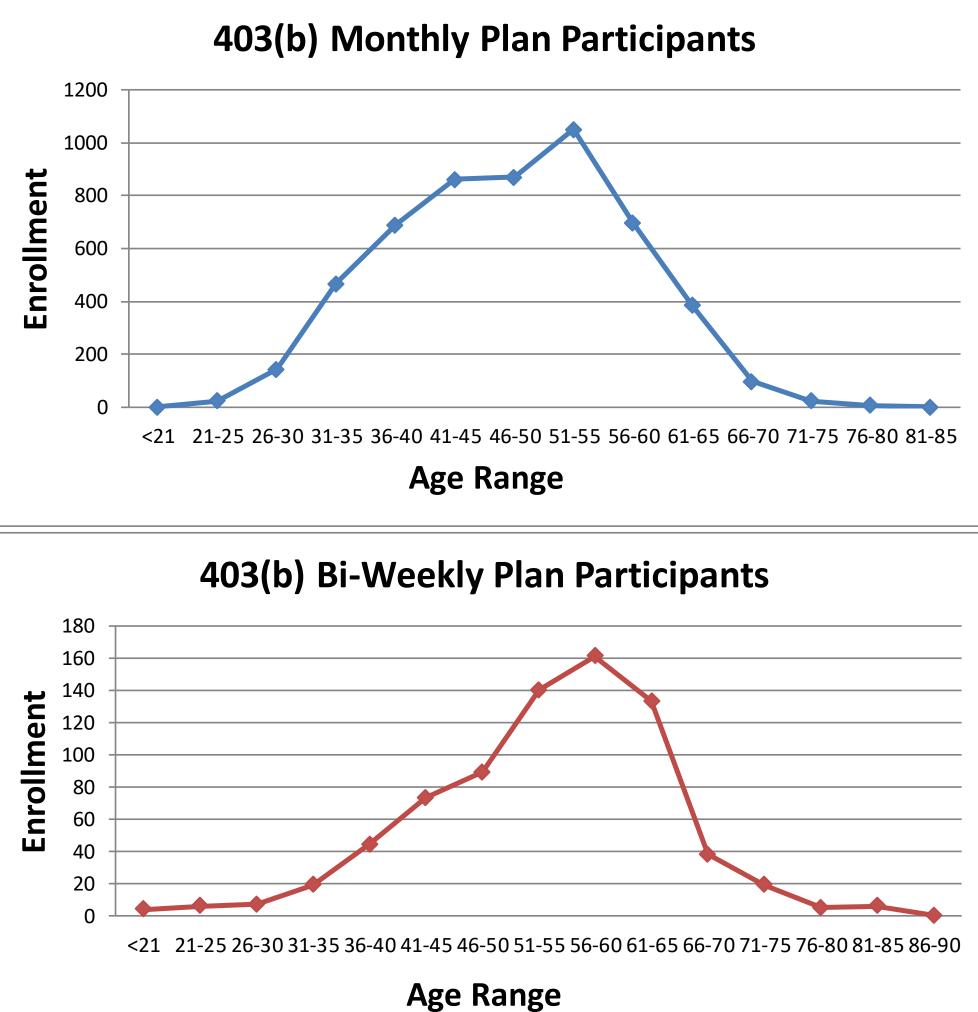
5311

Total

744

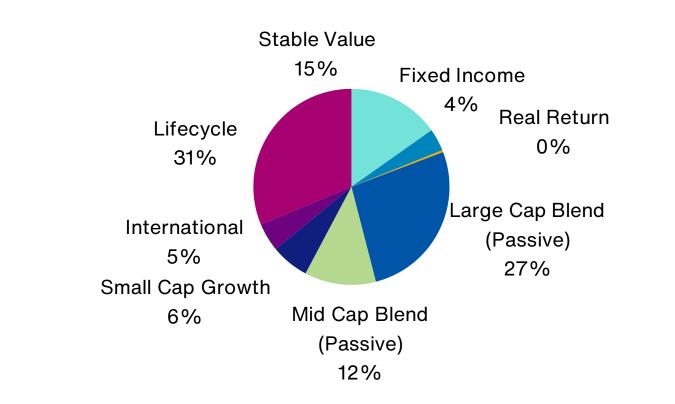




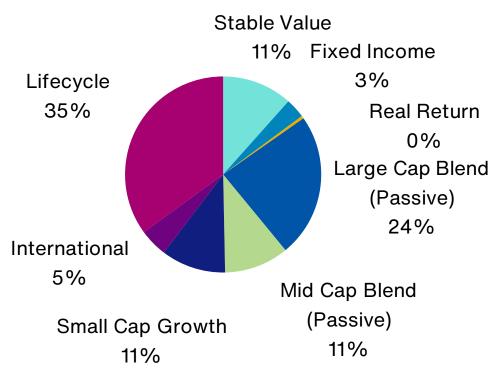




## Fairfax County Public Schools 457(b) Plan **Contribution Analysis**









#### **1st Quarter 2023 Contribution Allocation**

#### **4th Quarter 2022 Contribution Allocation**

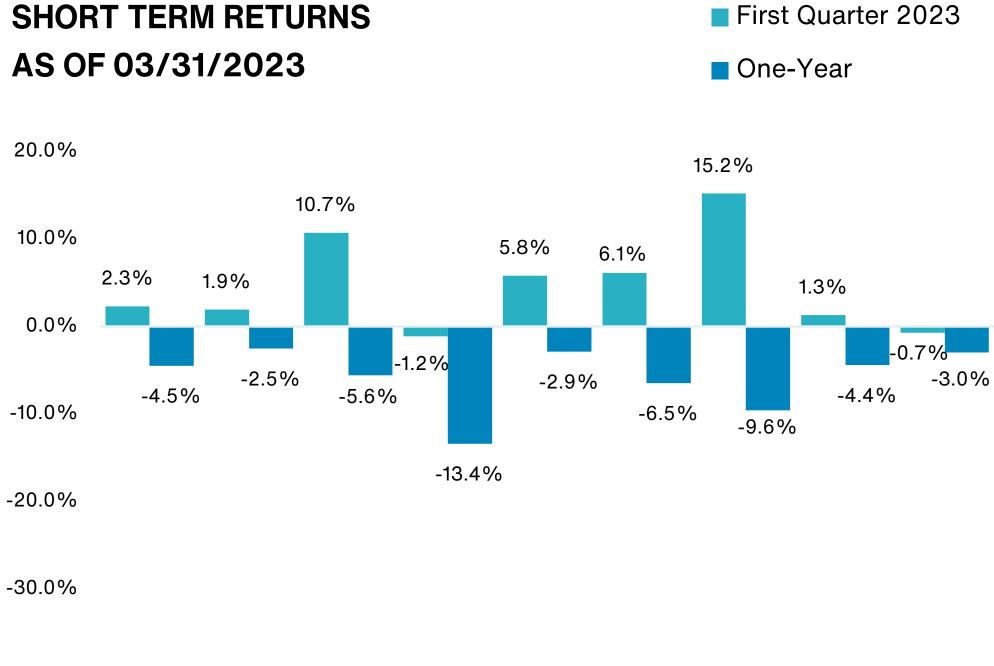
1		
1		

#### **Market Environment**

AON



# **Factor Indices**



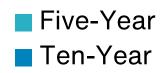
#### -40.0%

Minimum	High	Quality	Momentum	Enhanced	Equal	Index	Minimum	Higł
Volatility	Dividend			Value	Weighted	Growth	Volatility	Divide
(USD)	Yield						(USD)	Yield
Source: MSCI								

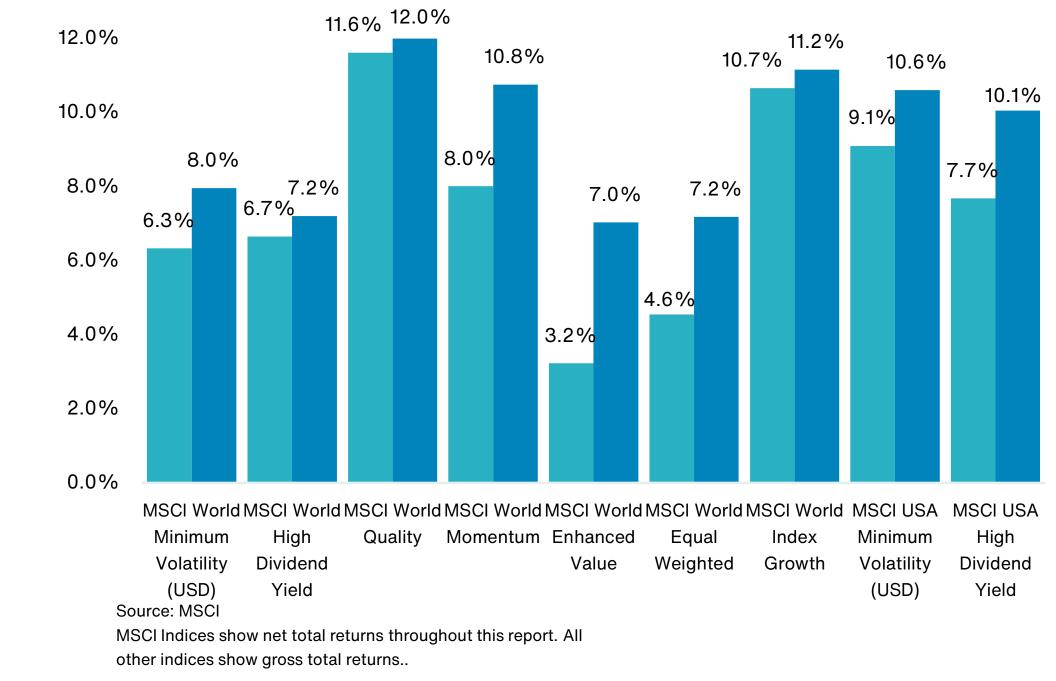
All other indices show gross total returns.

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

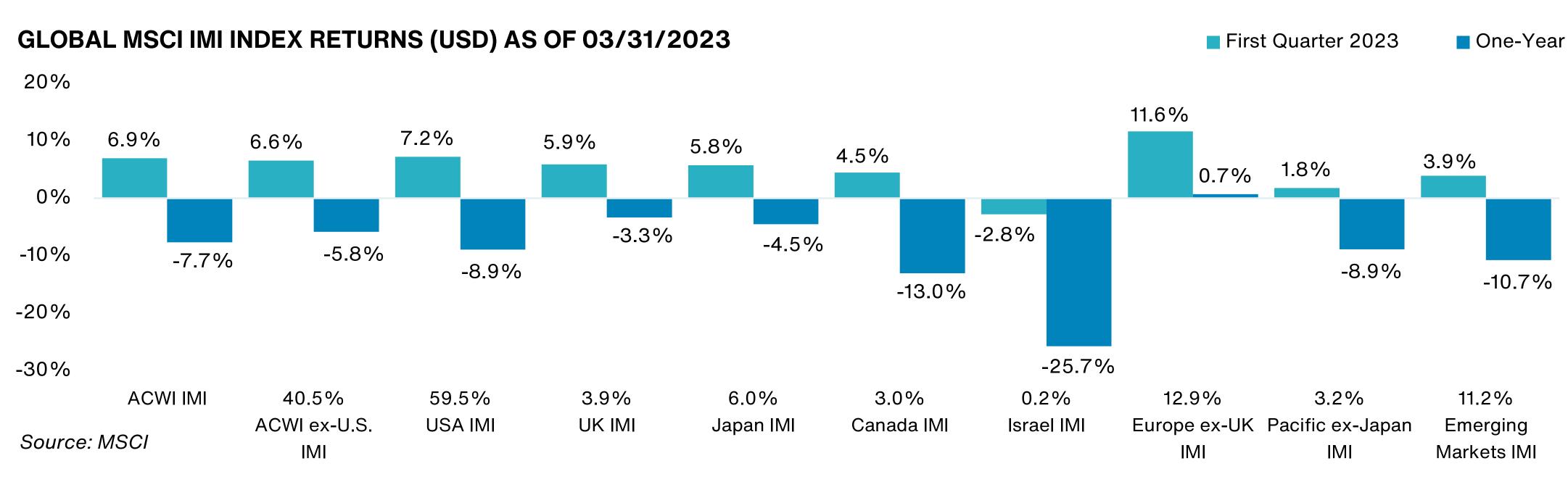
#### LONG TERM ANNUALIZED RETURNS AS OF 03/31/2023



14.0%



# **Global Equity Markets**



- The MSCI All Country World Investable Market Index (ACWI IMI) returned 6.9% for the quarter but was down 7.7% on a one-year basis.
- Across international markets, generally all the regions were strong over the quarter. All regions apart from Israel posted a positive return.
- industrials and consumer discretionary outperformed.

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

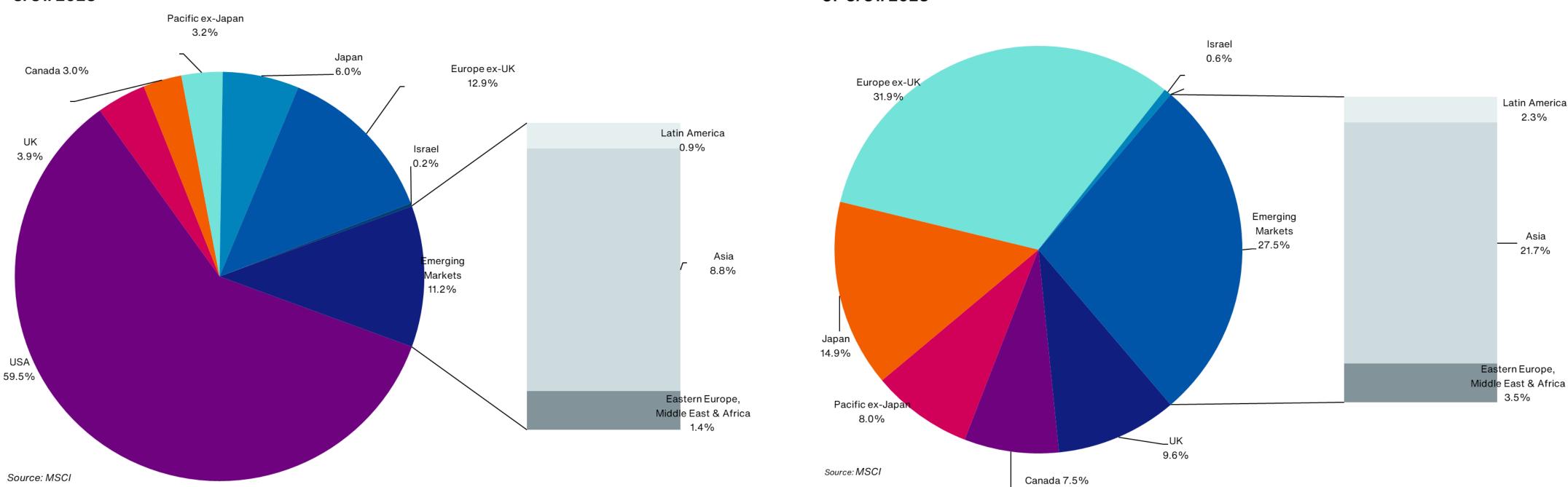
• In Q1 2023, equity markets rose as high-interest rate concerns abated against the back drop of contagion within the banking sector. Volatility fell throughout the quarter as the CBOE Volatility Index (VIX) fell to 18.7 in March from 21.7 in the previous quarter, falling below its 20-year average of 19.3. Yields trended lower, with major central banks slowing the pace of monetary tightening.

• Europe ex-UK equities were the best regional performer with a return of 11.6% in US dollar terms due to sharp euro appreciation against the dollar. Economically sensitive sectors including



# **Global Equity Markets**

Below is the country/region breakdown of the global and international equity markets as measured by the MSCI All Country World IMI Index and the MSCI All Country World ex-U.S. IMI Index, respectively.



#### MSCI ALL COUNTRY WORLD IMI INDEX GEOGRAPHIC ALLOCATION AS OF 3/31/2023

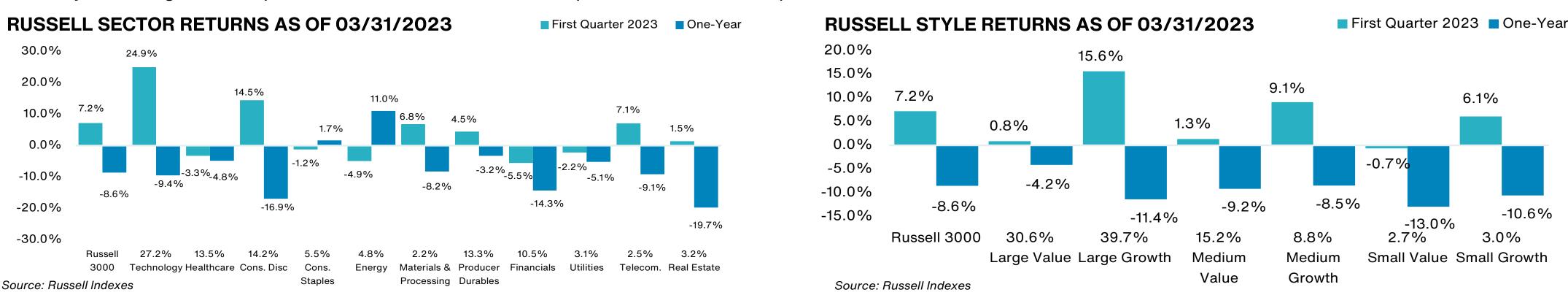
#### MSCI ALL COUNTRY WORLD EX-U.S. IMI INDEX GEOGRAPHIC ALLOCATION AS OF 3/31/2023

Private and Confidential | Investment advice and consulting services provided by Aon Investments USA Inc = 2850360-NRC

# **U.S. Equity Markets**

- expectations fell due to the expectation of tighter credit conditions.

- Discretionary (14.5%) were the best performers while Financials (-5.5%) and Energy (-4.9%) were the worst performers.
- •Large-cap stocks outperformed in growth and Medium-cap stocks outperformed in value.
- •On a style basis, growth outperformed value across market capitalizations over the quarter.



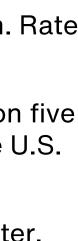
Past performance is no guarantee of future results. Indices cannot be invested in directly. Unmanaged index returns assume reinvestment of any and all distributions and do not reflect fees and expenses. Please see appendix for index definitions and other general disclosures

•U.S. equities had a strong quarter with the S&P 500 index rising by 7.5% despite the collapse of Silicon Valley Bank, which had sent jitters throughout the financial system. Rate

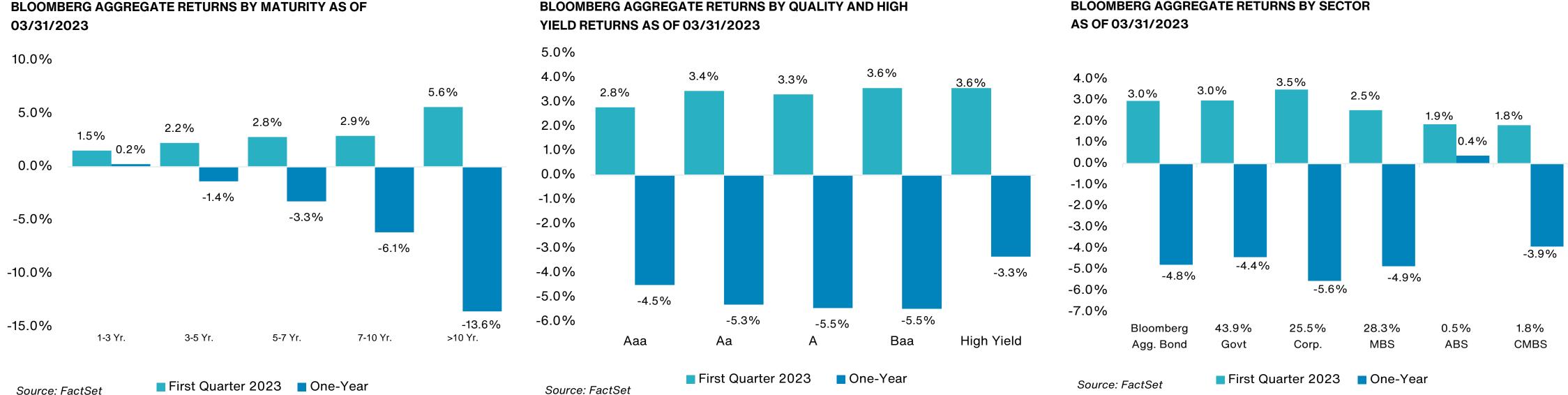
•The U.S. unveiled fresh sanctions on more than 200 entities throughout Europe, Asia, and the Middle East "that are supporting Russia's war effort", whilst imposing a ban on five Chinese entities from acquiring U.S. technology. U.S.-China trade tensions saw further escalation as Japan and the Netherlands entered into a trilateral agreement with the U.S. that restricts exports of chip manufacturing tools to China. The agreement is designed to hinder the Chinese military's ability to develop advanced weapons.

•The U.S. economy expanded by 2.9% year-on-year in Q4 2022, slightly higher than economists' forecasts of 2.6% but lower than the 3.2% recorded in the previous quarter. Increased business inventories, especially across the manufacturing and utilities sectors, combined with steady consumer spending, contributed to the economy's expansion.

• The Russell 3000 Index rose 7.2% during the first quarter but was down 8.6% on a one-year basis. Sectoral performance was mixed. Technology (24.9%) and Consumer



# **U.S. Fixed Income Markets**



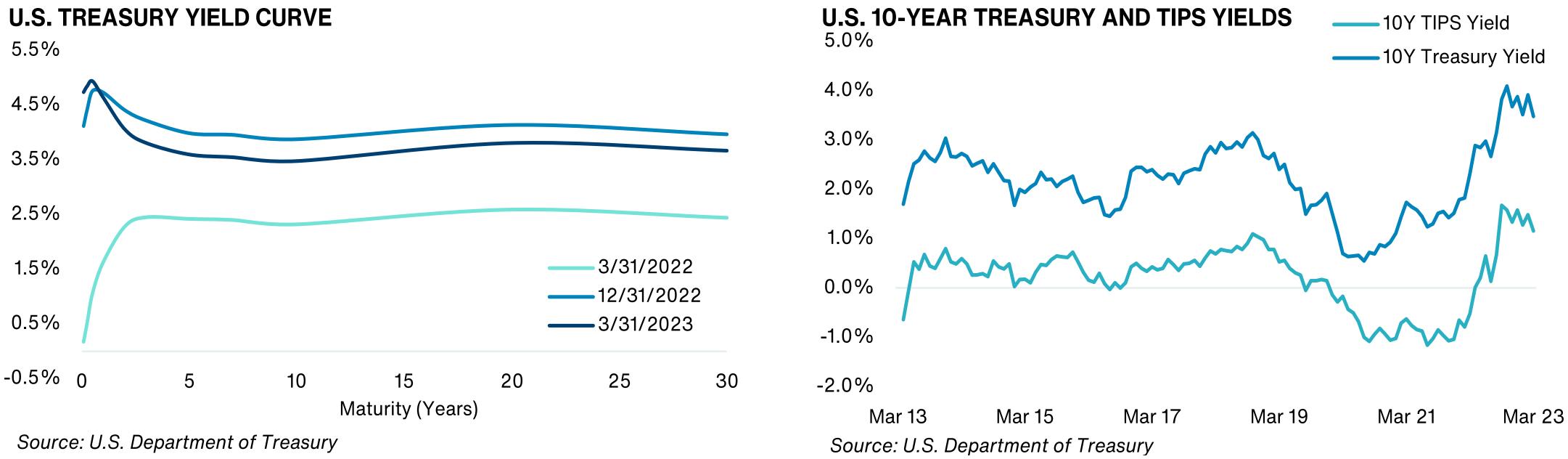
- additional policy firming may be appropriate".
- The Bloomberg U.S. Aggregate Bond Index was up 3.0% over the quarter but was down 4.8% on a one-year basis.
- Across durations, all maturities finished the quarter in positive territory.

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

• The U.S. Federal Reserve (Fed) increased its benchmark interest rate by 50bps to a range of 4.75%-5% over the quarter, the highest level since 2007. The Federal Open Market Committee (FOMC) dropped its previous warning that "ongoing increases" would be needed to bring soaring inflation under control, instead noting that "some

• Within investment-grade bonds, lower-credit quality generally outperformed higher-quality issues, with Baa bonds rising by 3.6%. High-yield bonds also rose by 3.6%.

# **U.S. Fixed Income Markets**

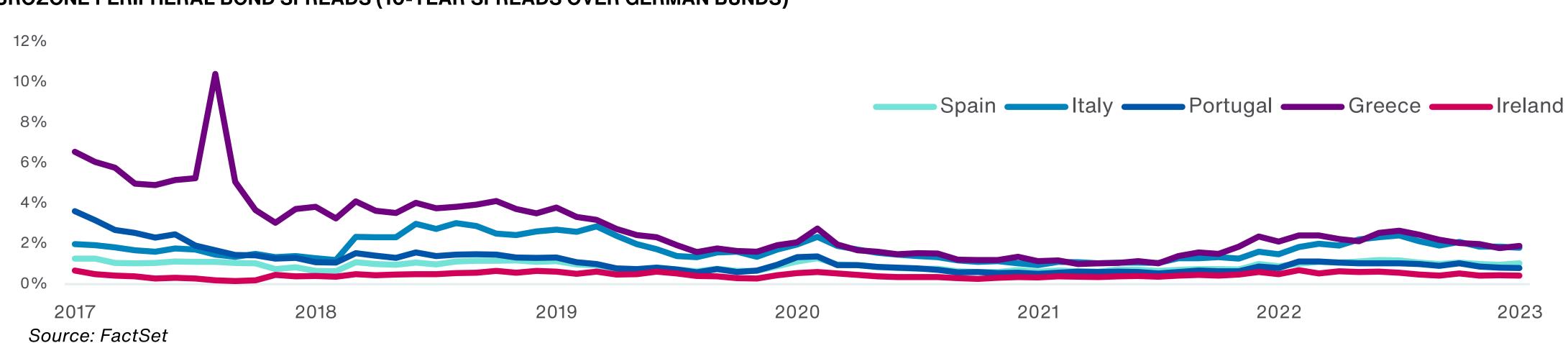


- Treasury yield was down 30bps to 3.67% over the quarter.
- 5.6% and was also in-line with economists' expectations.
- The 10-year TIPS yield fell by 42bps over the quarter to 1.16%.

• U.S. Treasury yields fell significantly across maturities except at the shortest end of the curve. The 10-year Treasury yield was down 40bps to 3.48%, and the 30-year

• U.S. CPI inflation declined to 6.0% in February, down from the 6.4% recorded in January, meeting economists' expectations. U.S. core CPI declined to 5.5% from January's

# **European Fixed Income Markets**



EUROZONE PERIPHERAL BOND SPREADS (10-YEAR SPREADS OVER GERMAN BUNDS)

- 100bps to 3% over the quarter.
- Italian and Portuguese government bond yields fell sharply, down 50bps and 45bps to 4.14% and 3.12% respectively over the quarter.
- German bund yields fell by 21bps to 2.33% over the quarter.

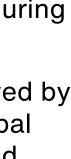
• European government bond spreads over 10-year German bunds narrowed across the Euro Area. The European Central Bank (ECB) raised its benchmark interest rates by

• Eurozone headline inflation eased slightly, slowing to 8.5% in February from 8.6% in January, although the decline was less than economists' expectations of 8.2%.

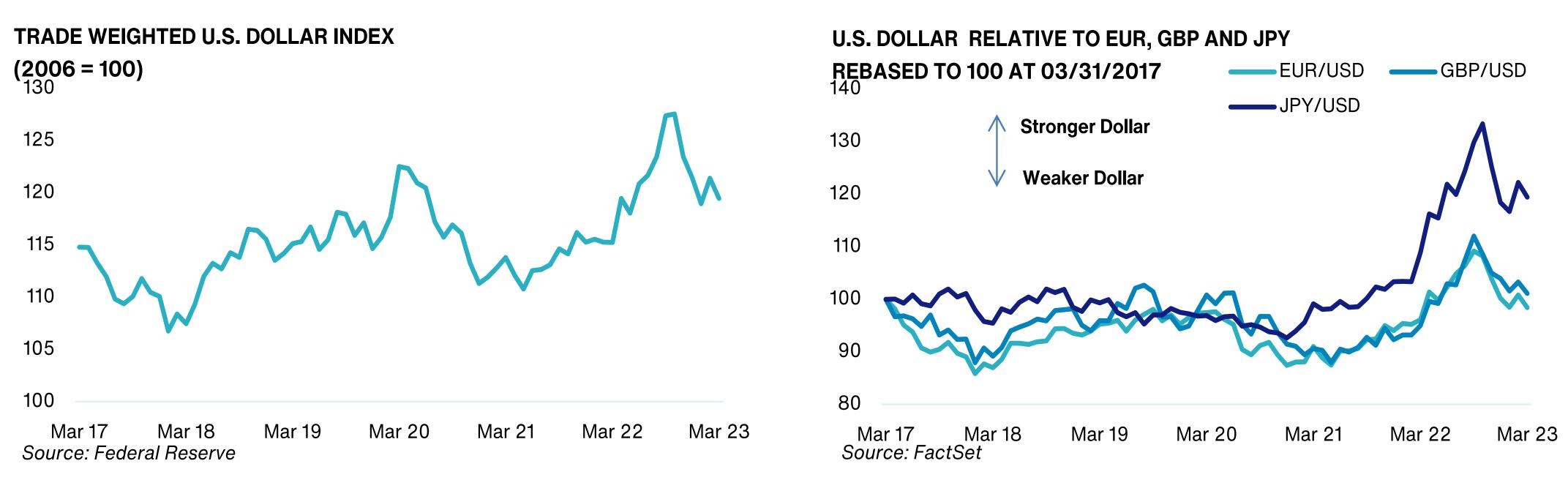
# **Credit Spreads**

Spread (bps)	3/31/2023	12/31/2022	9/30/2022	Quarterly Change (bps)	6M Change (bps)
U.S. Aggregate	57	51	41	6	16
Long Gov't	2	2	3	0	-1
Long Credit	159	157	155	2	4
Long Gov't/Credit	86	87	88	-1	-2
MBS	63	51	24	12	39
CMBS	142	120	85	22	57
ABS	85	76	57	9	28
Corporate	138	130	116	8	22
High Yield	455	469	325	-14	130
Global Emerging Markets Source: FactSet, Bloomberg	352	332	313	20	39

- Credit markets rose amid risk-taking sentiment during the quarter, with spreads being mixed.
- High Yield and Long Govt/Credit spreads narrowed by 14bps and 1bp respectively while CMBS and Global Emerging Markets spreads widened by 22bps and 20bps, respectively.



# Currency



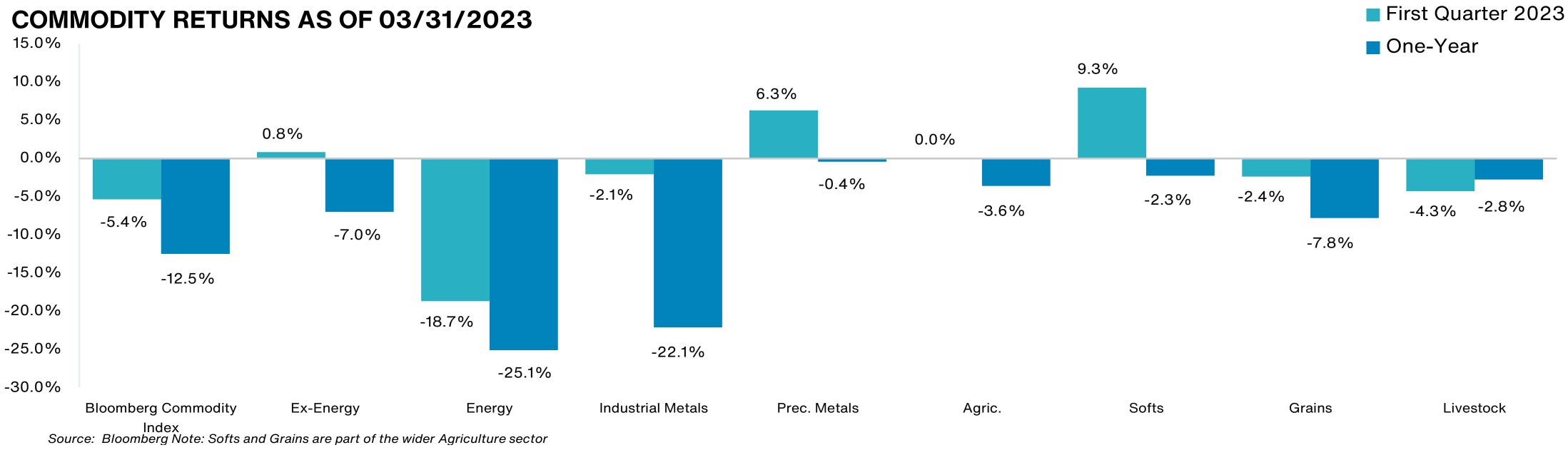
- that the need for further monetary policy tightening would depend on future evidence concerning the persistence of price pressures.
- the central bank's yield curve control policy for the time being, given the prevailing economic, inflationary, and financial conditions.

• The U.S. Dollar weakened against all major currencies (except for yen) over the quarter as the combination of weakening US growth and falling inflation led to expectations that the Fed would cut policy rates this year faster than previously anticipated. On a trade-weighted basis, the U.S. dollar depreciated by 1.6%.

• Sterling appreciated by 2.7% against the U.S. dollar. The Bank of England (BoE) raised its benchmark interest rate by 75bps to 4.25% over the quarter. The BoE noted

• The U.S. dollar depreciated by 1.8% against the Euro but appreciated by 0.9% against the yen. The Bank of Japan's new governor, Kazuo Ueda, indicated maintaining

# **Commodities**



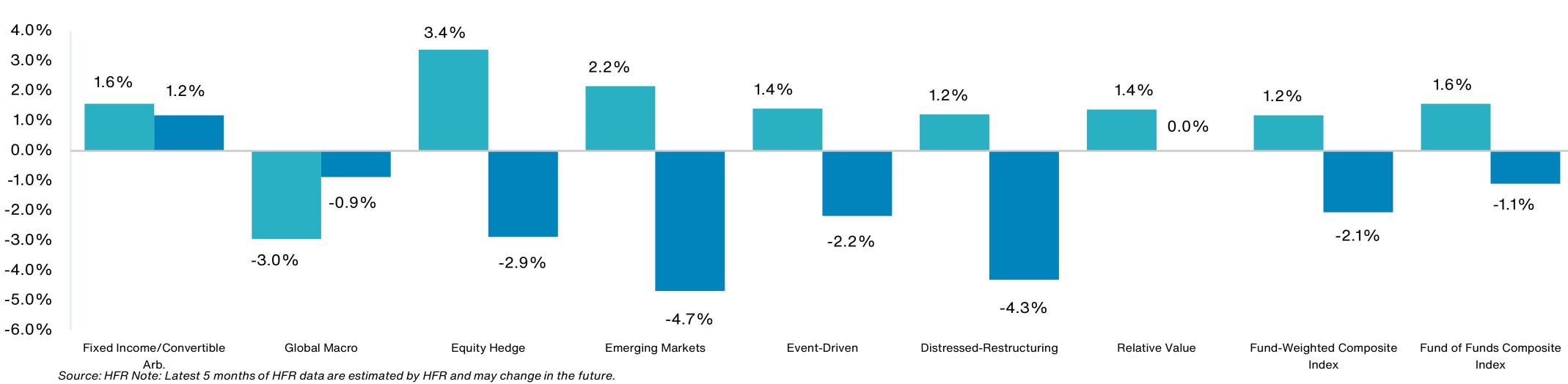
- Commodity prices fell over the quarter with the Bloomberg Commodity Index falling by 5.4% for quarter.
- The energy sector fell 18.7% over the quarter and 25.1% on a one-year basis. The price of WTI crude oil was down by 5.7% to U.S.\$76/BBL.
- Precious Metals rose the most over the quarter at 6.3%.
- announcement was unusual as it wasn't made during a formal OPEC+ meeting.

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

• Meanwhile, OPEC+ announced surprise oil production cuts in excess of 1 million barrels a day (b/d), including a 500,000 b/d cut by Saudi Arabia. The timing of the

# Hedge Funds Market Overview

## HEDGE FUND PERFORMANCE AS OF 03/31/2023



- Hedge fund performance was generally positive over the quarter.
- Over the quarter, Equity Hedge strategy was the best performer with a return of 3.4%.
- Global Macro was the worst performer and the only strategy with a negative return (-3.0%) over the quarter.

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

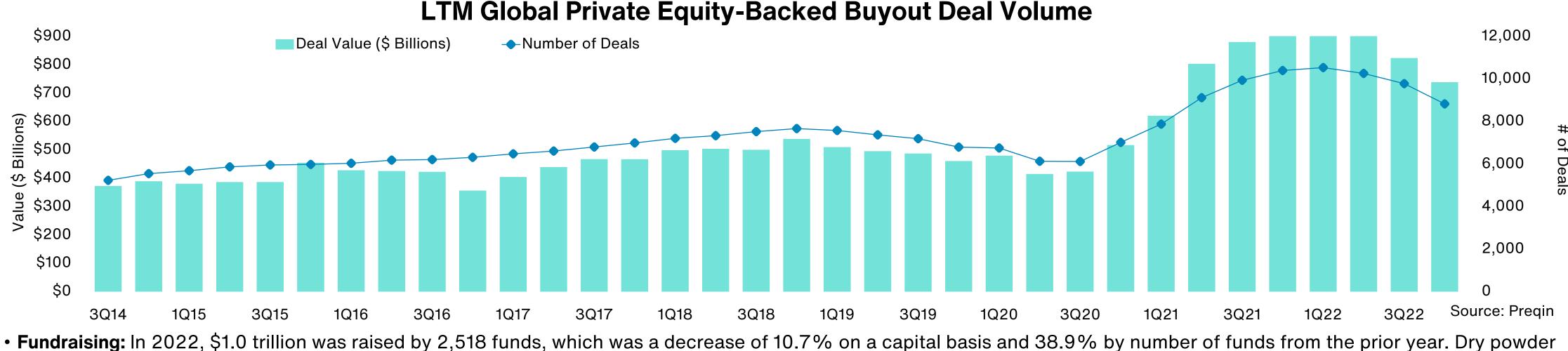
• The HFRI Fund-Weighted Composite and HFRI Fund of Funds Composite Index produced returns of 1.2% and 1.6% over the quarter, respectively.

• On a one-year basis, Fixed Income/Convertible Arbitrage has outperformed all other strategies whilst Emerging Markets have performed the worst.

First Quarter 2023

One-Year

# **Private Equity Overview – 4Q 2022**

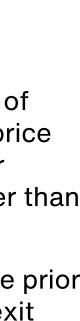


- stood at \$3.1 trillion at the end of the year, an increase of 18.6% and 42.9% compared to year-end 2021 and the five-year average, respectively.<sup>1</sup>
- the 666.6 billion in value from 2,588 deals during 2021.<sup>1</sup>

Sources: <sup>1</sup> Preqin <sup>2</sup> Standard & Poor's <sup>3</sup> PitchBook/NVCA Venture Monitor <sup>4</sup> Fitch Ratings Notes: FY=Fiscal year ended 12/31; YTD=Year to date; LTM=Last 12 months (aka trailing 12 months); PPM=Purchase Price Multiples: Total Purchase Price ÷ EBITDA.

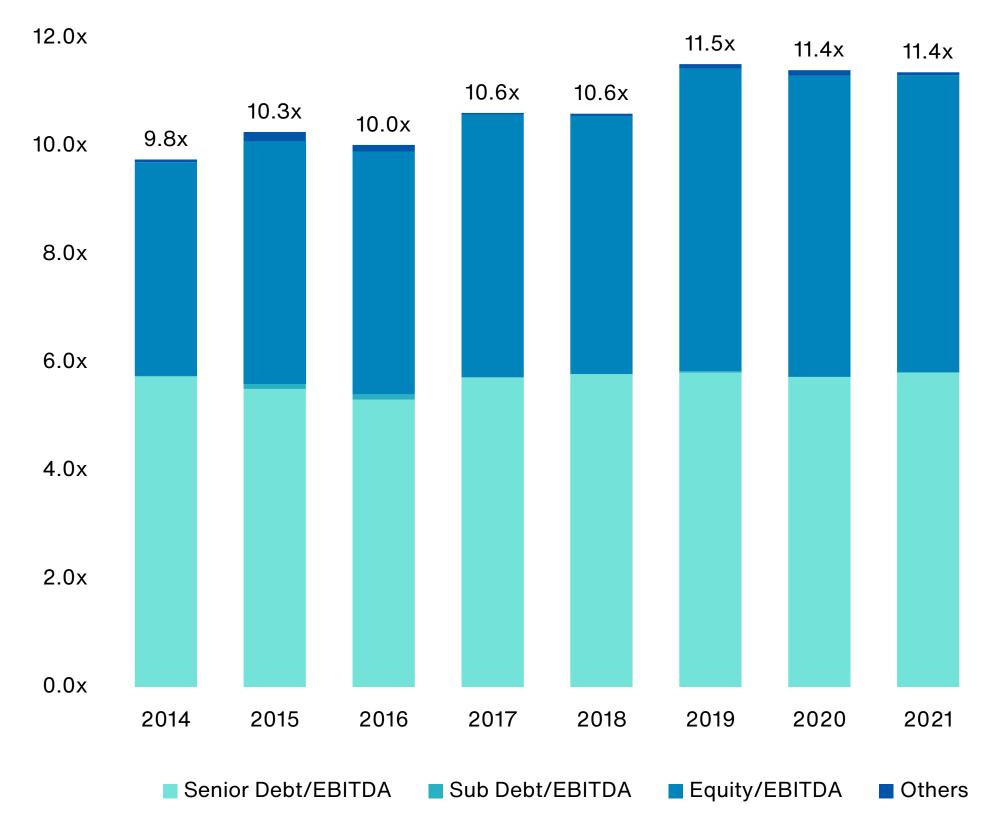
• Buyout: Global private equity-backed buyout deals totaled \$738.8 billion in 2022, which was a decrease on a capital basis of 19.2% compared to 2021 and an increase of 27.4% compared to the five-year average.<sup>1</sup> At the end of 2022, the average purchase price multiple for all U.S. LBOs was 11.9x EBITDA, up from year-end 2021's average of 11.4x and up from the five-year average (11.1x). Large cap purchase price multiples stood at 11.8x, up compared to the full-year 2021 level of 11.2x. The average purchase price multiple across European transactions greater than €1B averaged 11.1x EBITDA at year-end 2022, down from the 11.6x multiple seen at year-end 2021. Purchase prices for transactions of €500M or greater decreased from 11.5x in 2021 to 10.7x in 2022.<sup>2</sup> Globally, buyout exit value totaled \$390.1 billion across 1,431 deals during the year, lower than

• Venture: During the year, 17,990 venture-backed transactions totaling \$238.3 billion were completed, which was a decrease on both a capital and deal count basis over the prior year's total of \$344.7 billion across 18,521 deals. However, this was an increase of 32.1% compared to the five-year average of \$180.4 billion. Total U.S. venture-backed exit value totaled approximately \$71.4 billion across an estimated 1,391 completed transactions in 2022, down substantially from \$753.2 billion across 1,925 exits in 2021.<sup>3</sup>





# **Private Equity Overview (cont.)**

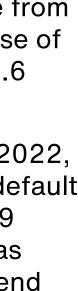


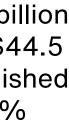
U.S. LBO Purchase Price Multiples – All Transactions Sizes

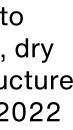
Sources: <sup>1</sup> Pregin <sup>2</sup> Standard & Poor's <sup>3</sup> PitchBook/NVCA Venture Monitor <sup>4</sup> Fitch Ratings

- Mezzanine: 39 funds closed on \$25.7 billion during the year. This was an increase from the prior year's total of \$17.8 billion raised by 38 funds and represented an increase of 33.1% from the five-year average of \$19.3 billion. Estimated dry powder was \$66.6 billion at the end of 2022, up from \$43.7 billion during the prior year.<sup>1</sup>
- **Distressed Debt:** The TTM U.S. high-yield default rate was 1.3% as of December 2022, which up from December 2021's TTM rate of 0.5%. Fitch expects the high-yield default rate to trend higher through 2023.<sup>4</sup> During the year, \$65.9 billion was raised by 59 funds, down from the \$78.1 billion raised by 111 funds during 2021. Dry powder was estimated at \$146.8 billion at the end of 2022, which was down 9.5% from year-end 2021. This remained above the five-year annual average level of \$130.4 billion.<sup>1</sup>
- Secondaries: 59 funds raised \$32.7 billion during the year, down from the \$44.2 billion raised by 85 funds in 2021. This was 26.4% lower than the five-year average of \$44.5 billion.1 The average discount rate for LP buyout and venture capital portfolios finished the year at 13.0% and 32.0%, respectively, an increase from the 3.0% and 12.0% discounts, respectively, at the end of 2021.<sup>4</sup>
- Infrastructure: \$162.2 billion of capital was raised by 90 funds in 2022 compared to \$132.9 billion of capital raised by 152 partnerships in 2021. At the end of the year, dry powder stood at \$346.2 billion, up from last year's total of \$297.7 billion. Infrastructure managers completed 2,521 deals for an aggregate deal value of \$381.4 billion in 2022 compared to 2,503 deals totaling \$526.1 billion in 2021.<sup>1</sup>
- Natural Resources: During 2022, 23 funds closed on \$4.2 billion compared to 29 funds totaling \$13.0 billion in 2021. Energy and utilities industry managers completed 237 deals totaling \$36.7 billion in 2022, an increase compared to 223 deals totaling \$34.7 billion in 2021.<sup>1</sup>

2022









## Appendix







#### **Active Returns**

Measures the average excess return of the portfolio relative to a benchmark. The excess return is annualized. The higher the active return, the better the portfolio's performance versus the benchmark.

#### Alpha

Measures nonsystematic return, or the return that cannot be attributed to the market. Thus, it can be thought of as how the manager performed if the market had no gain or loss. A positive alpha implies that the manager has added value to the return of the portfolio over that of the market.

#### **Average Credit Quality**

An average of all the credit-quality positions for the fund or underlying fund's bond holdings. The credit quality levels range from AAA (highest) to D (lowest).

#### **Average Maturity**

Average maturity is the weighted average of the dates on which the bonds held in the portfolio become due and are to be paid off.

#### Average Weighted Coupon

A weighted average of the coupons for all bond holdings in the fund or underlying fund's portfolio. This figure is generated by weighing each bond's rate of interest to its relative size in the portfolio.

#### **Bloomberg Barclays U.S. Aggregate Bond Index**

This includes all publicly issued, non-convertible domestic debt of the US Government and all its agencies, all investment-grade corporate debt and all mortgage-backed securities. The minimum maturity is one year, but there is no maximum maturity. The bonds must have at least \$250 million par amount outstanding.

#### Bloomberg Barclays U.S. Government/Credit Bond Index

Is made up of the Bloomberg Barclays U.S. Government and Bloomberg Barclays U.S. Capital Credit Indices. All issues are rated investment grade or higher, have at least one year to maturity, and have an outstanding par value of at least \$250 million.

#### Bloomberg Barclays U.S. Government/Credit Intermediate Index

A measure of the movement of approximately 2,800 bonds from the Bloomberg Barclays U.S. Government/Credit index with maturities between 1 and 9.99 years. The total return calculated for the index consists of price appreciation/depreciation and income as a percentage of the original investment.

#### Bloomberg Barclays U.S. Government/Credit Long Index

A measure of the movement of bonds from the Bloomberg Barclays U.S. Government/Credit index with maturities greater than 9.99 years. The total return calculated for the index consists of price

appreciation/depreciation and income as a percentage of the original investment.

#### Beta

Measures the risk level of the manager. Beta measures the systematic risk, or the return that is attributable to market movements. A beta equal to one indicates a risk level equivalent to the market. Higher betas are associated with higher risk levels, while lower betas are associated with lower risk levels.

#### Bottom-Up

A methodical approach to investing in which investors search for outstanding performance of individual stocks before considering the impact of economic trends. Companies are identified from research reports, stock screens, personal knowledge of the products and services, and other resources. The bottom-up approach assumes that individual companies can do well, even in an industry or sector that is not performing well.

#### **Commingled Account**

The collective investment of the assets of several institutional clients, usually through an investment manager allowing for broader and more efficient investing.

#### **Consumer Price Index (CPI)**

A measure of the average change in prices over time of a fixed group of goods and services. The CPI is published by the Bureau of Labor Statistics in the Department of Labor and is released monthly. It is widely used as a cost-of-living benchmark.

#### Correlation

Statistical measure of the degree to which the movements of two variables are related, ranging from 1 to -1. For asset allocation purposes, mixing two assets with a correlation less than 1 results in a benefit of diversification because the two assets do not behave in exactly the same manner.

#### **Core Investment Style**

An investment approach that managers utilize by reviewing the entire universe of growth and value stocks within a market capitalization range, then choosing a combination of the most attractive of either type to create a blended portfolio with a style that is neither a pure value nor a pure growth. Core portfolio characteristics including P/E ratio, P/B ratio, and dividend yield that typically lie between growth and value portfolios.

#### Coupon

The interest on a debt security, e.g., a bond, the issuer promises to pay to the holder until maturity, expressed as an annual percentage of the security's face value. For example, a bond with a 10% coupon will pay \$10 per \$100 of the face amount per year.

#### **Current Yield**

The annual interest on a bond divided by the market price. If a \$1,000 bond was bought at \$800 and the annual income from the bond was \$100, the current yield is \$100 divided by \$800, or  $12\frac{1}{2}$ %.

#### **Dow Jones Industrial Average**

Computed by summing the prices of the stocks of 30 companies and then dividing that total by a value which has been adjusted over the years so that the index is not affected by stock splits.

#### **Downside Risk**

Estimate that a security will decline in value and the extent of the decline, taking into account the total range of factors affecting market price.

#### Duration

Measure of the price change of a bond to a change in its yield to maturity. It summarizes, in a single number, the characteristics that cause bond prices to change in response to a change in interest rates. The price of a bond with a duration of three years will rise by approximately 3% for each 1% decrease in its yield to maturity. That price will decrease 3% for each 1% increase in the bond's yield. Price changes for two different bonds can be compared using duration. A bond with a duration of six years will exhibit twice the percentage price change of a bond with a three year duration. The actual calculation of a bond's duration is somewhat complicated, but the idea behind the calculation is straightforward. The first step is to measure the time interval until receipt for each cash flow (coupon and principal payments) from a bond. The second step is to compute a weighted average of these time intervals. Each time interval is measured by the present value of that cash flow. This weighted average is the duration of the bond measured in years.

#### **Excess Risk**

A measure of the standard deviation of a portfolio's performance relative to the risk free return, represented by 90-Day T-Bills.

#### **Expense Ratio**

A figure that represents the percentage of fund assets paid for operating expenses and management fees, including 12b-1 fees, administrative fees, and all other asset-based costs incurred by the fund, except for brokerage costs and sales charges.

#### **Fundamental Analysis**

A method of analyzing the balance sheet and income statement of a company in order to forecast its future stock price movements. Analysts consider the company's past records of assets, earnings, sales, products, management, and markets in predicting future trends in these indicators of a company's success or failure.

#### **Growth Stock**

Stock of a company which is growing earnings and/or revenue faster than its industry or the overall market and is expected to continue to show high levels of profit growth and P/E multiples. Such a company usually pays little or no dividends, preferring to use the income to finance further expansion. Generally, these stocks are contrasted with value stocks that trade at lower P/E multiples.

#### **Information Ratio**

The information ratio is a measure of the consistency of excess return. This value is determined by taking the annualized excess return over a benchmark (style benchmark by default) and dividing it by the standard deviation of excess return.

#### Large Cap

"Large cap" refers to stock with a large capitalization, which is calculated by multiplying the number of outstanding shares times the price of the shares. Large cap stocks typically have at least \$5 billion in outstanding market value.

#### Long-Term Earnings Growth

The long-term perspective earnings growth rate is the assetweighted average of the longterm perspective earning growth rates of all the domestic stocks in the fund's portfolio as of the date of the portfolio. Each portfolio holding is weighted by the percentage of domestic equity assets it represents, so that largest positions have proportionately greater influence on the fund's aggregate long-term earnings growth rate. Long-term prospective earnings growth rates for stocks are provided by a third party stock data vendor.

#### **Market Capitalization**

The value of a corporation as determined by the market price of its issued and outstanding common stock, calculated by multiplying the number of outstanding shares by the current market price of a share. Market capitalization may also refer to the total current value of the holdings of a mutual fund.

#### Maturity

Refers to the date at which a debt instrument is due and payable. A bond due to mature on January 1, 2010 will return the bondholder's principal and final interest payment when it reaches maturity on that date.

#### **Median Market Capitalization**

The median market capitalization of the companies in a fund's portfolio. Half of the fund's money is invested in the stocks of companies larger than the median market capitalization, and half is invested in smaller issuers.

#### Mid Cap

"Mid cap" refers to stock with a medium capitalization, which is calculated by multiplying the number of outstanding shares times the price of the shares. Mid cap stocks typically have between \$1 and \$10 billion in outstanding market value.

#### **MSCI - EAFE**

Europe, Australia and Far East Equity Index, calculated by the Morgan Stanley Capital International group. The index acts as a benchmark for managers of international stock portfolios.

#### Mutual Fund

A fund operated by an investment company that raises money from shareholders and invests it in stocks, bonds, options, futures, currencies, or money market securities. Mutual funds offer investors the advantages of diversification and professional management. Shares are redeemable on demand at net asset value by shareholders, who share equally in the gains and losses generated by the fund.

#### Price/Book Ratio

This is the weighted average of the price/book ratios of all stocks in a fund's portfolio. The P/B ratio of a company is calculated by dividing the market price of its stock by the company's per share book value (negative book values are excluded).

#### **Price/Earnings Ratio**

This is the weighted average of the price/earnings ratios of all stocks in a fund's portfolio. The P/E ratio of a stock is obtained by dividing the current price of the stock by its trailing 12 months' earnings per share.

#### **Quartile Universe Comparison**

These graphs depict the performance of the fund versus its peer group for the periods listed. Each floating bar represents the universe group's performance over the selected time period. For each period, there is a high, low, median, and first and third quartile point.

#### **R-Squared Statistic**

A statistic that measures the reliability of alpha and beta in explaining the return of a manager as a linear function of the market. Higher Rsquared values indicate more reliable alpha and beta statistics and are useful in assessing a manager's investment style.

#### **ROE (Return on Equity)**

The amount, expressed as a percentage, earned on a company's common stock investment for a given period. Return on equity tells commons stockholders how effectually their money is being employed.

#### **Risk Return Graph**

This graph is used to compare the performance and risk (standard deviation) of the fund against the performance and risk of an appropriate benchmark for a specific period of time.

#### **Rolling Returns Bar Graph**

This graph shows the performance of a fund for a specific trailing period (quarterly), and for every three-month period going back for a set of previous periods.

#### Russell 1000 Index

A market index comprised of the highest-ranking 1,000 stocks in the Russell 3000 Index, representing about 90% of the Russell 3000 Index total market capitalization.

#### **Russell 1000 Growth Index**

This contains those Russell 1000 securities with a greater-than-average growth orientation. Securities in this index tend to exhibit higher price-to-book and price-earnings ratios, lower dividend yields, and higher forecasted growth values than the Value universe.

#### **Russell 1000 Value Index**

This contains those Russell 1000 securities with a lower-than-average growth orientation. Securities in this index tend to exhibit lower price-to-book and price-earnings ratios, higher dividend yields, and lower forecasted growth values than the Growth universe.

#### Russell 2000 Index

A market index comprised of the 2,000 smallest companies in the Russell 3000 Index, representing approximately 10% of the Russell 3000 Index total market capitalization.

#### **Russell 2000 Growth Index**

This contains those Russell 2000 securities with a greater-thanaverage growth orientation. Securities in this index tend to exhibit higher price-to-book and price-earnings ratios, lower dividend yields, and higher forecasted growth values than the Value universe.

#### **Russell 2000 Value Index**

This contains those Russell 2000 securities with a lower-thanaverage growth orientation. Securities in this index tend to exhibit lower price-to-book and price-earnings ratios, higher dividend yields, and lower forecasted growth values than the Growth universe.

#### **Russell Midcap Index**

This contains the 800 smallest companies in the Russell 1000 Index, representing approximately 25% of the Russell 1000 Index total market capitalization.

#### **Russell Midcap Growth Index**

This contains those Russell Midcap securities with a greater-thanaverage growth orientation. Securities in this index tend to exhibit higher price-to-book and price-earnings ratios, lower dividend yields, and higher forecasted growth values than the Value universe.

#### Russell Midcap Value Index

This contains those Russell Midcap securities with a lower-thanaverage growth orientation. Securities in this index tend to exhibit lower price-to-book and price-earnings ratios, higher dividend yields, and lower forecasted growth values than the Growth universe.

#### Sector

A particular group of stocks, usually found in one industry or a combination of industries, such as airline or railroad stocks.

#### Separate Account

An account established by an investment manager for investment of a specific client's assets and maintained exclusively for such assets.

#### **Sharpe Ratio**

This is a risk-adjusted measure calculated by using standard deviation and excess return to determine reward per unit of risk. In general, the higher the Sharpe Ratio, the better the fund's historical risk-adjusted performance. The Sharpe ratio is calculated by dividing the fund's annual excess return by the fund's annualized standard deviation.

#### Small Cap

"Small cap" refers to stock with a small capitalization, which is calculated by multiplying the number of outstanding shares times the price of the shares. Small cap stocks typically have up to \$1 billion in outstanding market value.

#### Standard & Poor's Index (S&P 500)

Covers 400 industrial, 40 utility, 20 transportation, and 40 financial companies of the US markets (mostly NYSE issues). The index represents about 75% of NYSE market capitalization. It is a capitalization-weighted index calculated on a total return basis with dividends reinvested.

#### **Standard Deviation**

A statistical gauge of risk which measures the spread of the difference of returns from their average. The more a portfolio's returns vary from its average, the higher the standard deviation.

#### **Top-Down**

A methodical approach to investing in which investors consider current trends in the overall economy, and next selects the industries and then companies that should benefit from such trends. For example, if inflation stays low consumers' spending power will be enhanced; investors may be attracted to retailing companies with the best earnings prospects in the near-term. If rapid inflation is expected, investors might look at the mining industry and then try to determine which particular gold, copper or other mining company might benefit from a rising trend in prices. The opposite approach to top-down investing is a bottom-up method.

#### **Tracking Error**

The deviation of a dependent variable (i.e. an investment portfolio) with respect to a reference function (i.e. a benchmark index).

#### **Turnover Ratio**

This is a measure of the fund's trading activity that is calculated by taking the lesser of purchases or sales (excluding all securities with maturities of less than one year) and dividing by average monthly assets. The resulting percentage loosely represents the percentage of the portfolio's holdings that have changed over the past year.

#### Universe

These are composites of managers that share a common investment style and provide a peer analysis of how the fund is performing relative to other investments in the same asset and style category

#### **Up/Down Capture**

The up and down capture is a measure of how well a manager was able to replicate or improve on phases of positive benchmark returns, and how badly the manager was affected by phases of negative benchmark returns. To calculate the up capture, we first form a new series from the manager and benchmark series by dropping all time periods where the benchmark return is zero or negative. The up capture is then the quotient of the annualized return of the resulting manager series, divided by the annualized return of the resulting benchmark series. The down capture is calculated analogously.

#### Value Stock

A stock that is considered to be a good investment at a desirable price, based on fundamental analysis, such as its P/B and its P/E, among other criteria. Generally, these stocks are contrasted with growth stocks that trade at higher P/E multiples.

Name	Description
Bloomberg U.S. Corporate High Yield Bond Index	An index that covers the USD-dominated, non-investment grade, fixed rate, taxable issues from emerging market countries are excluded. Securities are classified as hig Ba1/BB+ or below.
Bloomberg Emerging Markets Index	An unmanaged index that tracks total returns for external-currency-denominated de markets.
Bloomberg Global Aggregate	Provides a broad-based measure of the global investment-grade fixed income mark this index are the U.S. Aggregate, the Pan-European Aggregate, and the Asian-Pac also includes Eurodollar and Euro-Yen corporate bonds, Canadian government, age USD investment grade 144A securities.
Bloomberg Global Treasury Ex-US	The Global Treasury ex US Index is a subset of the flagship Global Treasury Index to US debt. This multi-currency benchmark includes investment grade, fixed-rate bonc native currencies.
Bloomberg Universal Index	A market value-weighted index which is the union of the U.S. Aggregate Index, U.S. Eurodollar Index, U.S. Emerging Markets Index and the CMBS High Yield Index. The fixed income mandates.
Bloomberg U.S. Government Index	A market value weighted index of U.S. government and government agency securities with maturities of one year or more.
Bloomberg U.S. Government/Credit Index	A subcomponent of the Capital Aggregate Index, this benchmark includes treasury issues, and high-quality corporate bonds with an outstanding par value of \$250 mill of maturity remaining.
Bloomberg U.S. High Yield Index	An index composed of non-investment grade corporate debt denominated in U.S. do outstanding par value of \$150 million or greater and at least one year of maturity reports the second se
Bloomberg U.S. Inflation Index	Measures the performance of the U.S. Treasury Inflation Protected Securities ("TIPS
Bloomberg U.S. Intermediate Aggregate Bond Index	A market value-weighted index consisting of U.S. Treasury securities, corporate bor asset-backed securities with one to ten years to maturity and an outstanding par va
Bloomberg U.S. Intermediate Government/Credit Index	A market-value weighted index consisting of government bonds and SEC-registered years to maturity and an outstanding par value of \$150 million or greater.
Bloomberg U.S. Intermediate Government Bond Index	An unmanaged index considered representative of intermediate- term fixed-income treasury, government agencies and quasi-federal corporations.

le corporate bond market. Debt high-yield if the middle rating is

debt instruments of the emerging

rkets. The three major components of acific Aggregate Indices. The index gency and corporate securities, and

x that does not have any exposure to nds issued by governments in their

S. High Yield Corporate Index, he Index is appropriate for core plus

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onds and mortgage-related and alue of \$250 million or greater

ed corporate bonds with one to ten

ne obligations issued by the U.S.

Name	Description
Bloomberg U.S. Intermediate Treasury	An unmanaged index considered representative of intermediate-term fixed- income treasury.
Bloomberg U.S. Aggregate Bond Index	A market value-weighted index consisting of government bonds, SEC-registered co related and asset-backed securities with at least one year to maturity and an outsta greater. This index is a broad measure of the performance of the investment grade
Bloomberg U.S. Long Credit Bond Index	An unmanaged index considered representative of long-term fixed-income obligation specified foreign debentures, and secured notes that meet the specified maturity, I To qualify, bonds must be SEC-registered.
Bloomberg U.S. Long Government/Credit Index	The Capital U.S. Government/ Credit Bond Index measures performance of U.S. do government-related, and investment grade U.S. corporate securities that have a rer equal to 1 year. In addition, the securities have \$250 million or more of outstanding and non-convertible.
Bloomberg U.S. Long-Term Government Bond Index	An unmanaged index considered representative of long-term fixed- income obligati government agencies and quasi-federal corporations.
Bloomberg U.S. TIPS	A market value-weighted index consisting of U.S. Treasury Inflation Protected Secure remaining until maturity with total outstanding issue size of \$500m or more.
Bloomberg U.S. Treasury 20-30 Year STRIPS Index	A subcomponent of the Aggregate Index, this benchmark includes long-term treas
Bloomberg Commodity Index	Consists of 22 exchange-traded futures on physical commodities, which are weight significance and market liquidity. Performance is calculated on an excess return ba price movements.
BofA Merrill Lynch 3 Month Treasury Bill	An index that measures the average return of the last three-month U.S. Treasury Bi
BofA Merrill Lynch High Yield Master	A market capitalization-weighted index that tracks the performance of U.S. dollar- grade corporate debt publicly issued in the U.S. domestic market.

ne obligations issued by the U.S.

corporate bonds and mortgagestanding par value of \$250 million or le U.S. fixed income market.

tions issued by U.S. corporate, , liquidity, and quality requirements.

dollar denominated U.S. treasuries, remaining maturity of greater than or ng face value, and must be fixed rate

ations issued by the U.S. treasury,

curities with one or more years

asury STRIPS.

hted to account for economic basis and reflects commodity future

Bill issues .

denominated, below investment

Name	Description
Citigroup 90-Day T-Bill Index	An index that measures the average return of the last three-month U.S. Treasury B
CRSP US Large Growth Cap Index	An index comprised of nearly 330 US large cap growth companies and includes see NYSEMarket, NASDAQ, or ARCA, representing nearly 45% of the U.S. investable of reconstituted quarterly after the market close on the third Fridays of March, June, S classifies growth securities using the following factors: future long-term growth in e short-term growth in EPS, 3-year historical growth in EPS, 3-year historical growth investment-to-assets ratio, and return on assets.
CRSP US Total Market Index	An index comprised of nearly 4,000 constituents across mega, large, small, and mi securities traded on NYSE, NYSE Market, NASDAQ, or ARCA, representing nearly market. The index is reconstituted quarterly after the market close on the third Frid December.
Credit Suisse Leveraged Loan Index	Designed to mirror the investable universe of the U.S. dollar denominated leverage
DJ U.S. Completion Total Stock Market Index	A capitalization-weighted index that consists of the stocks in the Dow Jones U.S. T stocks in the S&P 500 Stock Index.
DJ U.S. Total Stock Market Index	A capitalization-weighted stock index representing all domestic common stocks tra exchanges. The index is the broadest measure of the aggregate domestic stock ma 5,000 stocks.
FTSE 4Good U.S. Select Index	A socially responsible investment (SRI) index of US stocks that excludes companies such as weapons, tobacco, gambling, alcohol, nuclear power, and adult entertainm
FTSE All-World ex-U.S. Index	A capitalization-weighted stock index representing 46 developed market countries excluding the U.S.
FTSE EPRA NAREIT Global ex-U.S. Index	Designed to represent general trends in eligible real estate equities worldwide. Rele defined as the ownership, disposure and development of income-producing real es
FTSE Global All Cap ex US Index	A market-capitalization weighted index representing the performance of roughly 53 companies in 46 Developed and Emerging markets worldwide, excluding the USA.
FTSE Global Core Infrastructure Index	Represents the performance of infrastructure and infrastructure-related securities FTSE defines as being involved in infrastructure. The series is based on the FTSE G developed and emerging markets are included.
L	

#### Bill issues

ecurities traded on NYSE, e equity market. The index is , September, and December. CRSP n earnings per share (EPS), future th in sales per share, current

micro capitalizations and includes y 100% of the U.S. investable equity ridays of March, June, September, and

ged loan market.

Total Stock Market Index less the

raded regularly on the organized narket and includes approximately

ies with certain business activities ment

es and emerging market countries

elevant real estate activities are estate.

5350 large, mid and small cap

s companies in a set of industries that Global Equity Index Series and both

Name	Description
FTSE NAREIT U.S. Equity REITS	Free float adjusted, market capitalization weighted index of US based equity real es (REITs).
Goldman Sachs Commodity Index	A composite index of commodity sector returns which represents a broadly diversifi position in commodity futures.
HFR Fund-of-Fund Index.	This index is equity-weighted including 800 constituents. It includes both domestic valued in U.S. dollars. Only fund-of-fund products are included in the index that hav managements and have been actively trading for at least one year. All funds report basis.
HFRI Fund Weighted Composite Index	The HFRI Fund Weighted Composite Index is a global, equal-weighted index of over funds that report to HFR Database. Constituent funds report monthly net of all fees and have a minimum of \$50 Million under management or a twelve (12) month track performance. The HFRI Fund Weighted Composite Index does not include Funds of
Hueler Stable Value Index	The Hueler Analytics Stable Value Pooled Fund Comparative Universe represents in billion in stable value assets, across 24 pooled funds, invested in contracts universe general account issuers and 14 synthetic wrap providers. The allocation of pooled for synthetic contracts issued by insurance companies and banks.
J.P. Morgan EMBI Global Diversified	Comprised of dollar-denominated Brady bonds, traded loans and Eurobonds issued sovereign and quasi-sovereign entities. The Diversified version limits the weights of including a specified portion of those countries' eligible current face amounts of del a more even distribution of weights within the countries in the index.
iMoneyNet All Taxable Money Funds Index	An index made up of the entire universe of money market mutual funds. The index of 1,300 funds, or approximately 99 percent of all money fund assets.
iMoneyNet Money Fund Average.	An index made up of the entire universe of money market mutual funds. The index of 1,300 funds, or approximately 99 percent of all money fund assets.
MSCI All Country World ex-U.S. Index	A capitalization-weighted index of stocks representing 44 stock markets in Europe, Middle East, Latin America and North America. Index consists of 23 developed and excludes the U.S.
MSCI All Country World ex-U.S. Index IMI	A capitalization-weighted index of large, mid and small cap stocks representing 22 United States) and 24 emerging market countries. The index is the broadest measu stock market, covering approximately 99% of the global equity investment opportu United States.

#### estate investment trusts

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currently represents over

be, Australia, the Far East, the nd 21 emerging countries, but

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Name	Description
MSCI All Country World ex-U.S. Small Cap Index	Covers all investable small cap securities with a market capitalization below that of Standard Indices (excluding U.S.), and target approximately 14% of each market's capitalization.
MSCI All Country World Index IMI	A capitalization-weighted index of large, mid and small cap stocks representing 23 countries. The index is the broadest measure of the aggregate global stock market the global equity investment opportunity set.
MSCI All Country World Index	A capitalization-weighted index of stocks representing 46 stock markets in Europe East, Latin America and North America.
MSCI EAFE Growth Index	A capitalization-weighted index of 21 stock markets in Europe, Australia, Asia and growth-oriented companies.
MSCI EAFE Small Cap Index	A capitalization-weighted index of small cap stocks representing 23 developed cou Asia, and the Far East.
MSCI EAFE Value Index	A capitalization-weighted index of 21 stock markets in Europe, Australia, Asia and value-oriented companies.
MSCI Emerging Markets Index	A capitalization-weighted index of stocks representing 22 emerging country marke
MSCI U.S. Broad Market Index	A capitalization-weighted stock index that aggregates the MSCI U.S. Large Cap 30 and Micro-Cap Indices. This index represents approximately 99.5% of the capitaliz includes approximately 3,562 companies.
MSCI U.S. REIT Index	A broad index that fairly represents the equity REIT opportunity set with proper inv the index is investable and replicable. The index represents approximately 85% of
MSCI World Index	A free float-adjusted market capitalization weighted index that is designed to meas of developed markets, representing 24 developed market country indices.
NCREIF Property Index	NCREIF Property Index - A capitalization-weighted index of privately owned investing properties representing approximately \$269 billion in assets.

of the companies in the MSCI 's free-float adjusted market

23 developed and 24 emerging market et, covering approximately 99% of

be, Australia, the Far East, the Middle

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300, Mid Cap 450, Small Cap 1,750 Ilization of the U.S. Equity market and

nvest ability screens to ensure that of the U.S. REIT universe

asure the equity market performance

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Name	Description
NFI ODCE Index	NFI ODCE Index - A capitalization weighted index comprised of open-end, Core fur estate properties. The funds that constitute the index are subject to certain geogra diversification requirements as well as leverage restrictions. The index reflects the results. The returns shown in this report are net of management fees of the respect
Rolling 3-year Constant Maturity Treasury Index	An index published by the Federal Reserve Board based on the monthly average yi all adjusted to the equivalent of a three-year maturity.
Russell 1000 Growth Index	An index that measures the performance of those Russell 1000 companies with hig I/B/E/S growth forecasts.
Russell 1000 Index	A capitalization-weighted index of the 1,000 largest publicly traded U.S. stocks by c
Russell 1000 Value Index.	An index that measures the performance of those stocks included in the Russell 10 ratios and lower I/B/E/S earnings growth forecasts.
Russell 2000 Growth Index	A capitalization-weighted index of those stocks in the Russell 2000 Index with high I/B/E/S earnings growth forecasts.
Russell 2000 Index	A capitalization-weighted index of the smallest 2,000 stocks in the Russell 3000 In and smallest-capitalization issues in the domestic stock market.
Russell 2000 Value Index	An index that measures the performance of those stocks included in the Russell 20 ratios and lower I/B/E/S earnings growth forecasts.
Russell 2500 Growth Index	A capitalization-weighted index representing those companies within the Russell 25 ratios and higher I/B/E/S earnings growth forecasts.
Russell 2500 Index	The Index is constructed by first identifying the 3,000 largest-capitalization U.S. sto capitalizations, choosing the bottom 2,500 names on the list.
Russell 2500 Value Index.	an index that measures the performance of those stocks included in the Russell 25 ratios and lower I/B/E/S earnings growth forecasts.

unds investing in commercial real raphic and property type e impact of leverage on investment ctive funds included in the index.

yield of a range of Treasury securities,

igher price-to- book ratios and higher

capitalization.

000 Index with lower price-to-book

gher price-to-book ratios and higher

Index. The index excludes the largest-

2000 Index with lower price-to-book

2500 Index with higher price-to-book

stocks and ranking them by market

500 Index with lower price-to-book

Name	Description
Russell 3000 Growth Index	A capitalization-weighted index consisting of those Russell 3000 Index stocks that and higher I/B/E/S earnings growth forecasts.
Russell 3000 Index	A capitalization-weighted index consisting of the 3,000 largest publicly traded U.S. is a broad measure of the performance of the aggregate domestic equity market.
Russell 3000 Value Index	A capitalization-weighted index consisting of those Russell 3000 Index stocks that lower I/B/E/S earnings growth forecasts.
Russell Mid Cap Growth Index	A capitalization-weighted index representing those stocks in the Russell MidCap Ir and higher I/B/E/S earnings growth forecasts.
Russell Mid Cap Value Index	A capitalization-weighted index consisting of those Russell MidCap Index stocks that hav I/B/E/S earnings growth forecasts.
S&P 500 Index	A capitalization-weighted index representing stocks chosen by Standard & Poor's, and industry group representation. The companies in the S&P 500 Index are gener industries.
S&P Completion Index	The S&P Completion Index is a sub-index of the S&P Total Market Index, including and excluding all current constituents of the S&P 500. The index covers approxima investors broad exposure to mid, small, and micro-cap companies.
S&P GSCI®	Both the first major investable commodity index and one of the most widely recogn broad-based, production weighted, and meant to be representative of the global co
S&P Leverage Loan Index	A daily total return index that uses LSTA/LPC Mark-to-Market Pricing to calculate r
S&P Midcap 400 Index	A market-capitalization-weighted index of stocks in all major industries in the mid-r
Wilshire REIT	<ul> <li>A measure of the types of U.S. real estate securities that represent the ownership a residential real estate. To be included in the index, a company must have a market have at least 75% of the total revenue derived from the ownership and operation of . Indices cannot be invested in directly. Unmanaged index returns assume reinvand do not reflect our fees or expenses.</li> <li>Past performance is no guarantee of future results.</li> <li>Please feel free to contact us at retirement@aonhewitt.com for more index inf</li> </ul>

#### at have higher price-to-book ratios

S. stocks by capitalization. This index

at have lower price-to-book ratios and

Index with higher price-to-book ratios

ave lower price-to-book ratios and lower

s, Inc. for their size, liquidity, stability erally among the largest in their

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#### Past performance is not necessarily indicative of future results.

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