### AON

# Quarterly Investment Review

Town of Wilton Pension

Third Quarter 2023

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

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# **Executive Summary**





## Aon Investments' Key Themes for Corporate Defined Benefit Plans

#### **Market Environment**

- Markets are starting to believe that longduration yields will be higher for longer.
- Higher yields boost future returns for fixed income, while risky assets face squeeze from both higher rates and recessionary trends.
- There has been good news on inflation moderating with economic growth holding up. Recessionary trends are delayed rather than avoided.
- For the average plan, funded status increased 1.8% during Q3 and discount rates increased 49 bps<sup>1</sup>.

#### **Current Investment Themes**

- **Duration**: Market forward interest rates are above Aon's fair value. Duration position should generally be at or near the target interest rate level.
- **Credit**: Aon's view is slightly negative on credit spreads. Credit Path position should generally be slightly overweight government bonds vs. credit within the liability-hedging portfolio.
- **Equity**: Enthusiasm about the potential for Artificial Intelligence could see strong equity markets, but in the longer-term, valuations will mean the additional return over Treasuries will be limited.
- **Diversifiers**: It is a good time to be a provider of liquidity. Secondary investments could be a highlight. Resilience is still needed. Volatility and unstable correlations are likely to persist.

### **Long-Term Strategy**

- Reevaluate overall pension strategy (derisking and re-risking opportunities).
- Consider or review Hedge Path to actively manage interest rate exposure.
- Build better liability-hedging portfolios, such as with eLDI and synthetic duration strategies.

The opinions referenced are as of September 30, 2023 and are subject to change due to changes in the market or economic conditions and may not necessarily come to pass. Information contained herein is for informational purposes only and should not be considered investment advice. Diversification does not ensure a profit, nor does it protect against loss of principal. Diversification among investment options and asset classes may help to reduce overall volatility.



<sup>&</sup>lt;sup>1</sup>Source: Aon

# Investment Actions to Consider for Corporate Defined Benefit Plans

Strategy	Overview
Enhanced LDI (eLDI) (Liability-Hedging Assets)	<ul> <li>Broadens LDI portfolios with assets like long agency collateralized mortgage obligations (CMOs), investment grade private credit, real estate debt, and other securitized assets</li> </ul>
Mortgage Services Rights (Illiquid Fixed Income)	<ul> <li>Large supply of Mortgage Services Rights and limited buyer base results in a supply/demand imbalance and very attractive prices</li> </ul>
Market Neutral Relative Value (Liquid Alternatives)	<ul> <li>Rising dispersion creates compelling opportunities in Volatility Arbitrage, Cap Structure Arbitrage, NAV Arbitrage, and Event Driven strategies</li> </ul>
Nimble Distressed and Event (Liquid Alternatives)	Smaller and more idiosyncratic distressed, restructuring and other event driven situations
Specialty Finance (Illiquid Fixed Income)	• Litigation finance, lending to SEC registered mutual funds, and real estate project finance (fix 'n flip lending)



# Investment Actions to Consider for Corporate Defined Benefit Plans

Strategy	Overview	Why Now?	Characteristics
Enhanced LDI (eLDI) (Liability-Hedging Assets)	<ul> <li>Broadens LDI portfolios with assets like long agency collateralized mortgage obligations (CMOs), investment grade private credit, real estate debt, and other securitized assets</li> </ul>	<ul> <li>eLDI seeks to enhance expected returns without increasing expected funded ratio volatility by diversifying the sources of risks relative to the liabilities and accessing yield premiums outside traditional fixed income due to illiquidity and other factors</li> </ul>	<ul> <li>Liquidity: typically, monthly to quarterly</li> <li>Risk/Return: Targets ~100 bps over benchmark with 3% tracking error</li> <li>Fees: ~50 basis points</li> </ul>
Mortgage Servicing Rights (Illiquid Fixed Income)	<ul> <li>Large supply of MSRs and limited buyer base results in a supply/demand imbalance and very attractive prices</li> </ul>	Rapid increase in mortgage rates creates a very attractive risk/return profile with reduced refinancing risk	<ul> <li>Liquidity: Semi-annual on 90 days notice with proceeds paid out over 5 years</li> <li>Risk/Return Target: mid teens</li> <li>Fees: 1.0% and 18% with an 8% preferred return</li> </ul>
Market Neutral Relative Value (Liquid Alternatives)	<ul> <li>Rising dispersion creates compelling opportunities in Volatility Arb, Cap Structure Arb, NAV Arb and Event Driven strategies</li> </ul>	Increasing market volatility provides opportunities across a variety of markets, both cash and derivative	<ul> <li>Liquidity: Monthly to Quarterly on 30 to 60 days notice</li> <li>Risk/Return Target: high single digits to mid teens</li> <li>Fees: 1.0% &amp; 25% to 1.75% &amp; 20%</li> </ul>
Nimble Distressed and Event (Liquid Alternatives)	<ul> <li>Smaller and more idiosyncratic distressed, restructuring and other event driven situations</li> </ul>	<ul> <li>Rising rates, supply and demand shocks and inflation are causing financial stress and creating niche restructuring opportunities</li> <li>War and rising ESG pressures have created financing opportunities in many European sectors, particularly in energy</li> </ul>	<ul> <li>Liquidity: Q 60 days, 3Y Invest 3Y Harvest</li> <li>Risk/Return Target: low to mid teens net</li> <li>Fees: 1.85% and 20% over 8%</li> </ul>
Specialty Finance (Illiquid Fixed Income)	<ul> <li>Litigation finance, lending to SEC registered mutual funds, and real estate project finance (fix 'n flip lending)</li> </ul>	Liquidity premium for alternative credit is attractive	<ul> <li>Liquidity: typically, 5 years or less</li> <li>Risk/Return Target: 9% to 15% net</li> <li>Fees: typ. 1% and 15%</li> </ul>

Source: Aon Investment Manager Research Team

Diversification does not ensure a profit, nor does it protect against loss of principal. Diversification among investment options and asset classes may help to reduce overall volatility. There is no guarantee that strategy characteristics will be met.



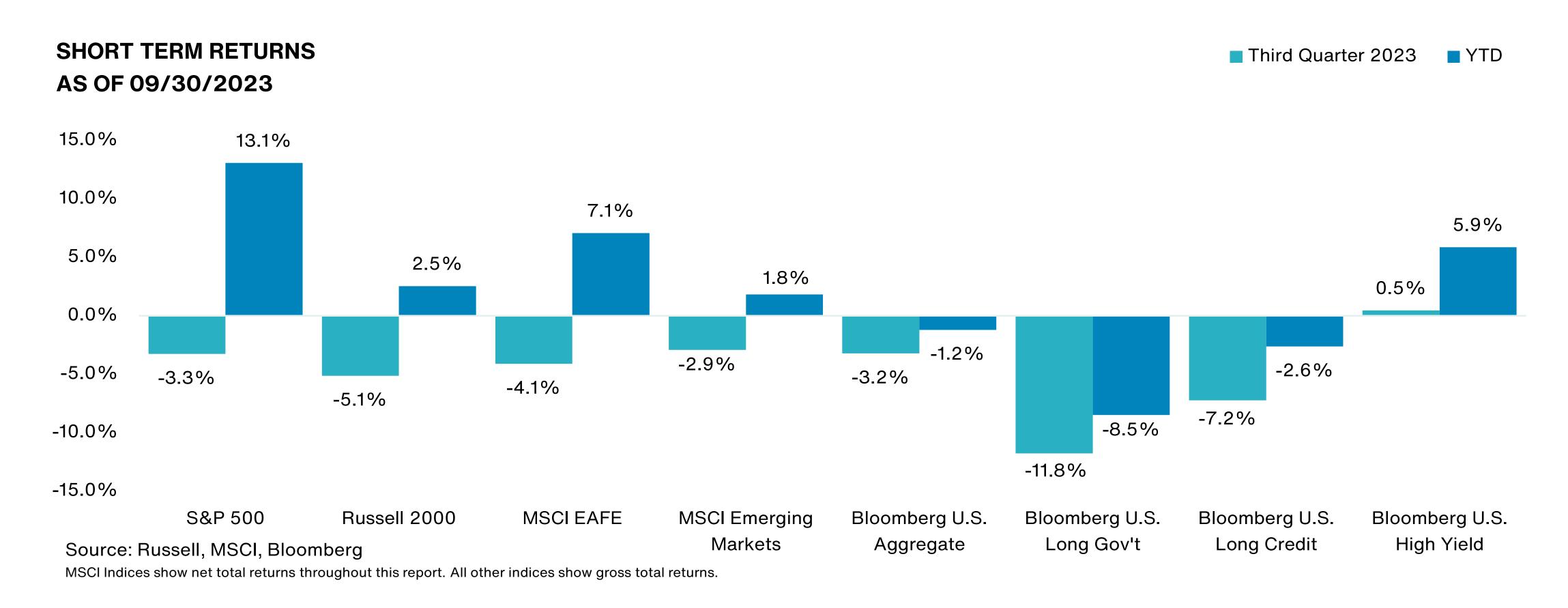
# **Thought Leadership Highlights**

### Qualified Defined Benefit

Topic	Article	Link
Aon United	SECURE 2.0 Major Provisions Impacting Defined Benefit Plans	<u>Link</u>
	SECURE 2.0 Action Plan	<u>Link</u>
Market View	Quarterly Market Review and Outlook Video (access code 'aon!')	Link to Article Link to Video
<b>Quarterly Themes</b>	Key Topics for DB Plans (3-minute video, passcode 'aon!')	Link to Video
Pension Risk	Client Video: Overview of Enhanced LDI (eLDI) (access code 'aon!')	Link to White Paper Link to Video
<b>Asset Allocation</b>	Active vs Passive	<u>Link</u>
	Global Equity	<u>Link</u>
	Managing Through Today's Environment for Illiquid Assets: 3 Questions with Eric Friedman	<u>Link</u>
	Client Video: U.S. vs non-U.S. Equity (access code 'aon!')	Link to Video
	The Strength of the U.S. Equity Market and its Impact on Equity Allocations	<u>Link</u>
	White Paper: Why Diversify?	<u>Link</u>
	White Paper: Impact Investing is Hard: Here's How to Do It Well	<u>Link</u>
Strategy Review	Aon's Environmental Social and Governance (ESG) Manager Ratings: 3 Questions With Daniel Ingram	<u>Link</u>
	Diverse Manager Initiatives: Three Questions for Institutional Investors	<u>Link</u>
	Enhanced Liability-Driven Investment Strategies	<u>Link</u>
	Why Securities Lending is Right, Now	<u>Link</u>
	The 'Case' for Litigation Finance	<u>Link</u>
	Private Credit: 3 Questions with Galina Kalcheva	<u>Link</u>
	Private Credit 101 (access code 'aon!')	Link to Video
	Conviction in Equity Investing Revisited	<u>Link</u>
	Conviction in Equity: 4 Questions	<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.

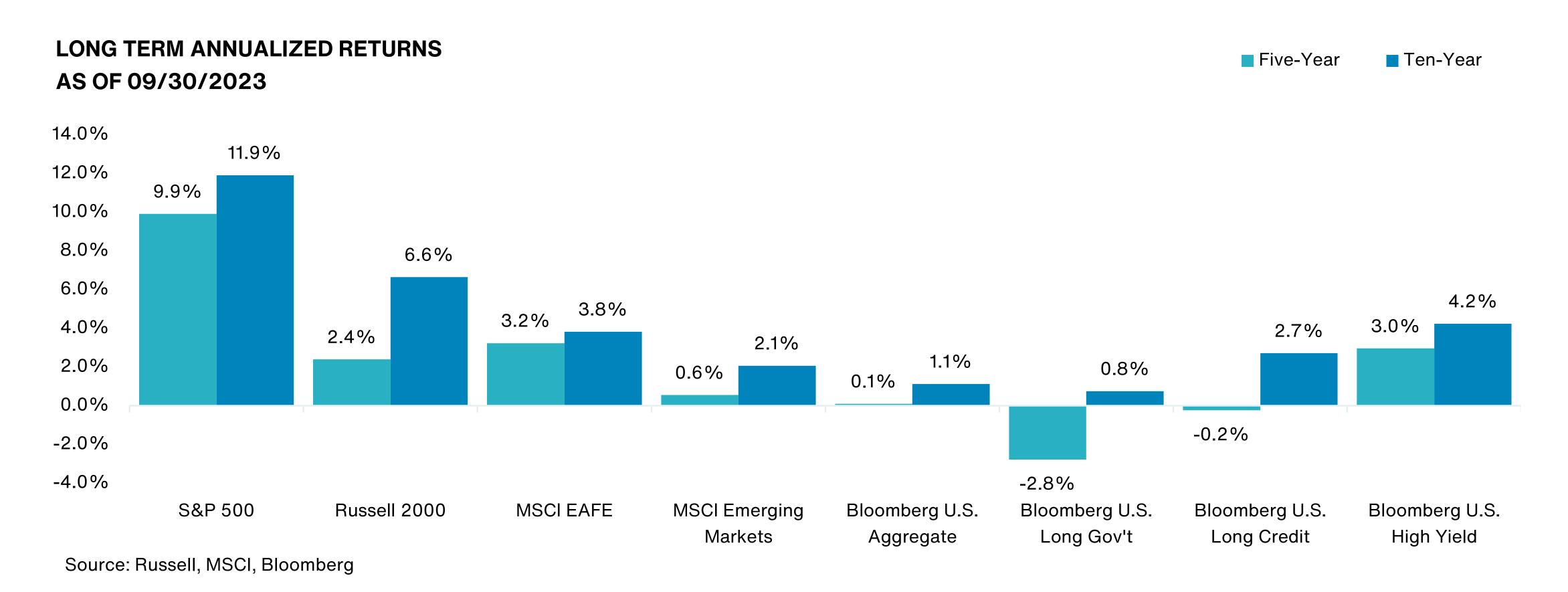
# **Market Highlights**



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



## **Market Highlights**



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# **Market Highlights**

	Returns	s of the Major	Capital Markets	s		
					Period End	ding 09/30/2023
	<b>Third Quarter</b>	YTD	1-Year	3-Year <sup>1</sup>	5-Year <sup>1</sup>	10-Year <sup>1</sup>
Equity						
MSCI All Country World IMI	-3.40%	9.39%	20.16%	6.88%	6.09%	7.39%
MSCI All Country World	-3.40%	10.06%	20.80%	6.89%	6.46%	7.56%
Dow Jones U.S. Total Stock Market	-3.29%	12.42%	20.49%	9.27%	9.01%	11.19%
Russell 3000	-3.25%	12.39%	20.46%	9.38%	9.14%	11.28%
S&P 500	-3.27%	13.07%	21.62%	10.15%	9.92%	11.91%
Russell 2000	-5.13%	2.54%	8.93%	7.16%	2.40%	6.65%
MSCI All Country World ex-U.S. IMI	-3.49%	5.30%	20.19%	3.77%	2.57%	3.48%
MSCI All Country World ex-U.S.	-3.77%	5.34%	20.39%	3.74%	2.58%	3.35%
MSCI EAFE	-4.11%	7.08%	25.65%	5.75%	3.24%	3.82%
MSCI EAFE (Local Currency)	-1.27%	10.67%	20.32%	10.81%	5.65%	6.75%
MSCI Emerging Markets	-2.93%	1.82%	11.70%	-1.73%	0.55%	2.07%
<b>Equity Factors</b>						
MSCI World Minimum Volatility (USD)	-2.80%	1.22%	11.43%	3.72%	4.62%	7.70%
MSCI World High Dividend Yield	-1.52%	2.76%	17.77%	8.85%	5.77%	6.65%
MSCI World Quality	-2.83%	18.15%	30.27%	8.75%	11.01%	11.95%
MSCI World Momentum	-2.96%	0.07%	13.22%	1.69%	5.87%	9.93%
MSCI World Enhanced Value	-0.22%	11.05%	29.22%	12.90%	3.96%	6.12%
MSCI World Index Growth	-4.86%	21.09%	26.86%	5.50%	9.70%	10.75%
MSCI USA Minimum Volatility (USD)	-2.04%	1.85%	11.84%	6.17%	6.98%	10.38%
MSCI USA High Dividend Yield	-2.09%	-1.37%	12.62%	8.24%	5.74%	9.48%
MSCI USA Quality	-1.40%	21.67%	32.96%	9.73%	12.11%	13.78%
MSCI USA Momentum	-2.84%	-2.89%	8.92%	-0.31%	4.88%	11.62%
MSCI USA Enhanced Value	-2.52%	1.89%	14.53%	10.30%	3.69%	8.41%
MSCI USA Equal Weighted	-4.03%	4.38%	14.51%	8.88%	6.85%	9.45%
MSCI USA Growth	-3.45%	29.07%	29.83%	7.65%	12.74%	14.51%

	Returns o	of the Major Capi	tal Markets			
					Period Ending (	9/30/2023
	Third Quarter	YTD	1-Year	3-Year <sup>1</sup>	5-Year <sup>1</sup>	10-Year <sup>1</sup>
Fixed Income						
Bloomberg Global Aggregate	-3.59%	-2.21%	2.24%	-6.93%	-1.62%	-0.44%
Bloomberg U.S. Aggregate	-3.23%	-1.21%	0.64%	-5.21%	0.10%	1.13%
Bloomberg U.S. Long Gov't	-11.79%	-8.50%	-9.04%	-15.66%	-2.78%	0.75%
Bloomberg U.S. Long Credit	-7.23%	-2.62%	2.54%	-8.97%	-0.23%	2.71%
Bloomberg U.S. Long Gov't/Credit	-9.37%	-5.40%	-2.93%	-11.90%	-1.21%	1.94%
Bloomberg U.S. TIPS	-2.60%	-0.78%	1.25%	-1.98%	2.12%	1.74%
Bloomberg U.S. High Yield	0.46%	5.86%	10.28%	1.76%	2.96%	4.24%
Bloomberg Global Treasury ex U.S.	-4.70%	-4.62%	1.92%	-9.65%	-3.74%	-2.01%
JP Morgan EMBI Global (Emerging Market	-2.63%	1.09%	8.61%	-4.27%	-0.09%	2.24%
Commodities						
Bloomberg Commodity Index	4.71%	-3.44%	-1.30%	16.23%	6.13%	-0.75%
Goldman Sachs Commodity Index	15.98%	7.24%	10.93%	29.49%	5.57%	-2.53%
Hedge Funds						
HFRI Fund-Weighted Composite <sup>2</sup>	0.84%	4.27%	6.69%	6.89%	5.03%	4.57%
HFRI Fund of Funds <sup>2</sup>	0.69%	2.99%	4.77%	3.83%	3.42%	3.29%
Real Estate						
NAREIT U.S. Equity REITS	-7.13%	-2.14%	2.99%	5.76%	2.77%	5.96%
FTSE Global Core Infrastructure Index	-7.93%	-8.83%	-0.94%	2.77%	4.11%	6.25%
Private Equity						
Burgiss Private iQ Global Private Equity <sup>3</sup>			-1.81%	19.78%	17.13%	15.20%

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

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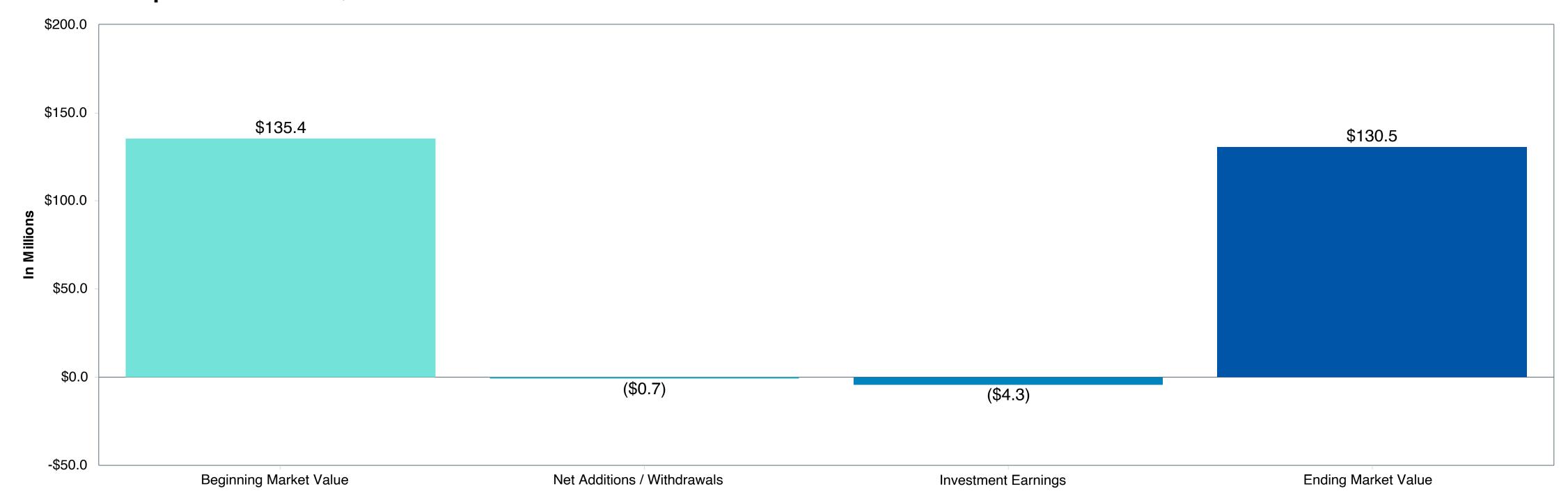


<sup>&</sup>lt;sup>1</sup> Periods are annualized.

<sup>&</sup>lt;sup>2</sup> Latest 5 months of HFR data are estimated by HFR and may change in the future.

<sup>&</sup>lt;sup>3</sup> Burgiss Private iQ Global Private Equity data is as at September 30, 2022

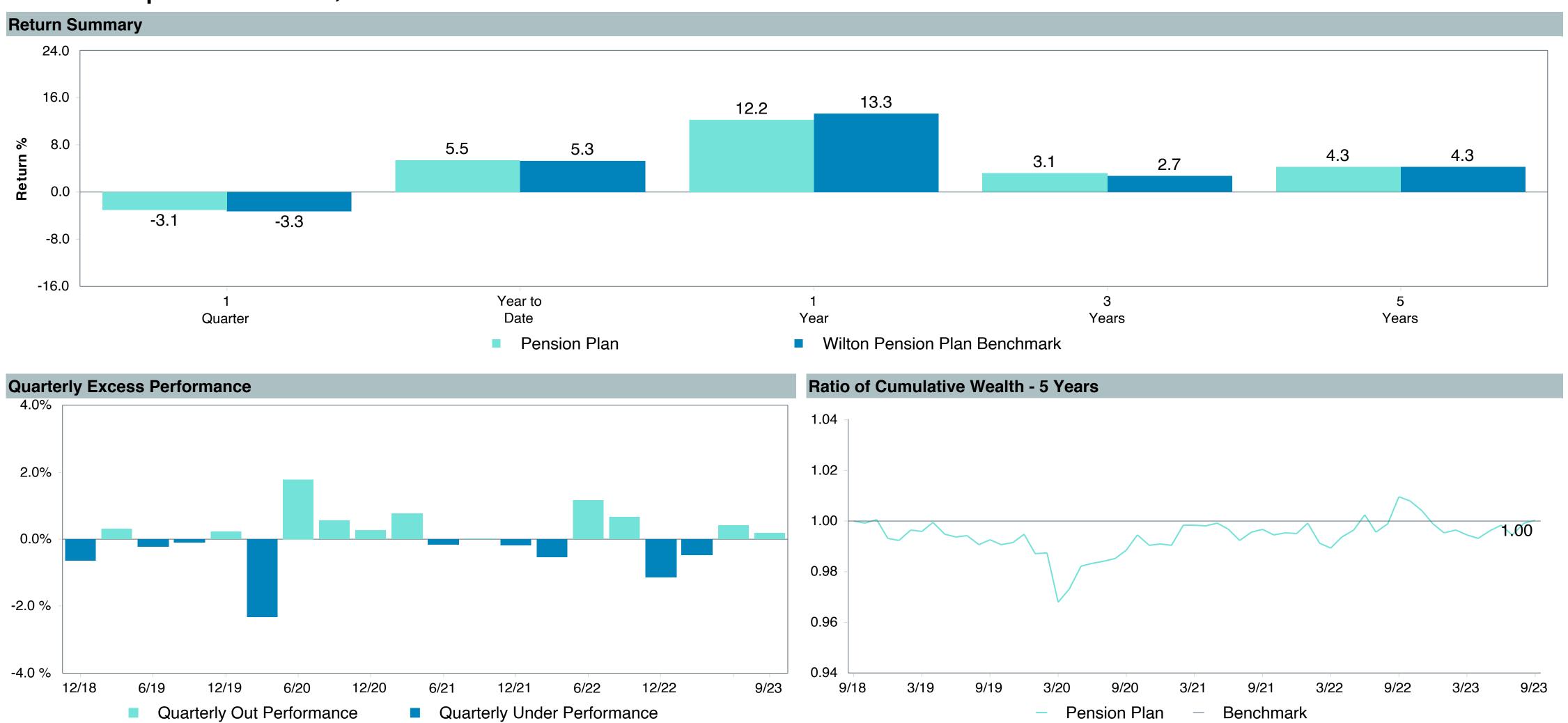
# **Total Plan Asset Summary**



Summary of Cash Flows				
	1	1	Since	Inception
	Quarter	Year	Inception	Date
Pension Plan				05/01/2012
Beginning Market Value	135,407,959	121,038,538	73,939,906	
+ Additions / Withdrawals	-663,003	-4,760,557	-14,827,758	
+ Investment Earnings	-4,272,858	14,194,117	71,359,951	
= Ending Market Value	130,472,099	130,472,099	130,472,099	



# **Total Plan Performance Summary**





	Allo	ocation					Perform	nance %			
	Market Value \$	%	Policy %	1 Quarter	Year to Date	1 Year	3 Years	5 Years	7 Years	Since Inception	Inception Date
Pension Plan	130,472,099	100.0	100.0	-3.1	5.5	12.2	3.1	4.3	5.6	6.0	05/01/2012
Wilton Pension Plan Benchmark				-3.3	5.3	13.3	2.7	4.3	5.4	6.0	
Fixed Income	45,075,817	34.5	35.0	-1.9	1.7	3.2	-2.2	1.2	1.3	3.4	05/01/2008
Wilton Pension FI Hybrid BB				-2.2	0.8	3.3	-4.3	0.6	0.2	2.7	
Vanguard Total Bond Market Index Instl	6,682,421	5.1		-3.1 (53)	-0.9 (59)	0.7 (63)	-5.2 (64)	0.1 (58)	-0.1 (74)	0.6 (66)	12/01/2014
Blmbg. U.S. Aggregate				-3.2 (69)	-1.2 (82)	0.6 (68)	<i>-5.2 (65)</i>	0.1 (65)	-0.1 (74)	0.6 (67)	
IM U.S. Broad Market Core Fixed Income (MF) Median				-3.1	-0.7	0.9	-5.0	0.2	0.1	0.8	
Metropolitan West Total Return Bond Pl	12,745,380	9.8		-3.5 (92)	-1.4 (94)	0.4 (91)	-5.5 (95)	0.1 (84)	0.0 (91)	1.7 (44)	05/01/2012
Blmbg. U.S. Aggregate				-3.2 (84)	-1.2 (91)	0.6 (87)	<i>-5.2 (85)</i>	0.1 (87)	-0.1 (96)	1.1 (94)	
IM U.S. Broad Market Core+ Fixed Income (MF) Median				-2.9	-0.2	1.7	-4.4	0.6	0.6	1.7	
PGIM Total Return Bond R6	6,749,247	5.2		-2.5 (30)	0.6 (21)	2.9 (18)	-4.7 (68)	0.6 (57)	0.6 (49)	1.4 (25)	01/01/2015
Blmbg. U.S. Aggregate				-3.2 (84)	-1.2 (91)	0.6 (87)	<i>-5.2 (85)</i>	0.1 (87)	-0.1 (96)	0.6 (82)	
IM U.S. Broad Market Core+ Fixed Income (MF) Median				-2.9	-0.2	1.7	-4.4	0.6	0.6	1.1	
PIMCO Income Fund	6,885,149	5.3		-0.5 (33)	3.2 (19)	6.8 (19)	-	-	-	-0.3 (19)	12/01/2020
ICE BofAML US High Yield Master II Constrained				0.5 (17)	<i>6.0 (6)</i>	10.2 (5)	-	-	-	0.4 (13)	
Blmbg. U.S. Aggregate				-3.2 (83)	-1.2 (88)	0.6 (82)	-	-	-	<i>-5.7 (86)</i>	
IM Multi-Sector General Bond (MF) Median				-1.5	1.3	3.5	-	-	-	-2.4	
Apollo Total Return Fund	5,529,393	4.2		1.6 (10)	6.6 (4)	7.5 (14)	-	-	-	2.4 (3)	01/01/2021
ICE BofAML US High Yield Master II Constrained				0.5 (17)	6.0 (6)	10.2 (5)	-	-	-	-0.3 (15)	
50/50 ML Master II & Credit Suisse LLI				1.9 (5)	7.9 (2)	11.4 (2)	-	-	-	2.4 (3)	
IM Multi-Sector General Bond (MF) Median				-1.5	1.3	3.5	-	-	-	-2.9	
Aon Opportunistic Credit Fund	3,344,246	2.6		0.0	5.8	4.5	-	-	-	4.4	02/01/2021
ICE BofAML US High Yield Master II Constrained				0.5	6.0	10.2	-	-	-	-0.5	
Opportunistic Credit Custom Index*				0.0	2.9	4.3	-	-	-	1.0	

<sup>\*</sup>As of January 2011, The Opportunistic Credit Custom Index consists of 12.5% Bloomberg U.S. Corporate High Yield Index, 12.5% S&P/LSTA Leveraged Loan Index, 25% HFRI RV: Fixed Income-Asset Backed Index, 25% HFRI ED: Distressed/Restructing Index and 25% Barclays U.S. CMBS 2.0 Index

<sup>\*\*</sup>Aon Opportunities Credit Fund, Westbrook Real Estate Fund and Barings North American Private Debt Fund MVs as of prior quater. Apollo Total Return MV as of prior month.



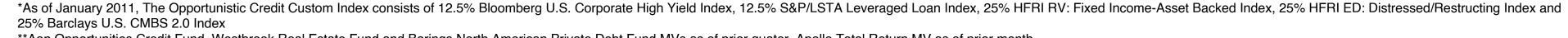
	Allo	cation					Perform	nance %			
	Market Value \$	%	Policy %	1 Quarter	Year to Date	1 Year	3 Years	5 Years	7 Years	Since Inception	Inception Date
Barings North American Private Debt Fund	3,139,982	2.4		0.0	8.3	6.9	-	-	-	11.2	11/01/2021
ICE BofAML US High Yield Master II Constrained				0.5	6.0	10.2	-	-	-	-2.7	
Cash Equivalents	2,043,272	1.6	0.0	1.3	3.6	4.5	1.7	1.6	1.4	0.7	05/01/2008
90 Day U.S. Treasury Bill				1.3	3.6	4.5	1.7	1.7	1.5	0.8	
Allspring Government MM Fund [CE]	2,043,272	1.6		1.3	3.6	4.5	1.7	1.6	1.4	0.9	05/01/2012
90 Day U.S. Treasury Bill				1.3	3.6	4.5	1.7	1.7	1.5	1.0	
U.S. Equity	45,396,380	34.8	30.0	-3.6	9.6	18.4	10.5	9.0	11.2	9.6	05/01/2008
Russell 3000 Index				-3.3	12.4	20.5	9.4	9.1	11.6	9.6	
Vanguard Institutional Index Fund Instl	36,320,608	27.8		-3.3 (38)	13.0 (33)	21.6 (26)	10.1 (23)	9.9 (15)	12.2 (14)	12.4 (7)	05/01/2012
S&P 500 Index				-3.3 (24)	13.1 (18)	21.6 (8)	10.2 (4)	9.9 (6)	12.2 (3)	12.5 (1)	
IM S&P 500 Index (MF) Median				-3.3	13.0	21.5	10.0	9.8	12.1	12.3	
Diamond Hill Small-Mid Cap Y	4,476,363	3.4		-7.0 (100)	-1.1 (87)	6.4 (98)	11.4 (84)	4.4 (87)	5.7 (90)	9.1 (59)	05/01/2012
Russell 2500 Value Index				-3.7 (62)	2.0 (57)	11.3 (69)	13.3 (65)	4.0 (88)	6.5 (84)	<i>8.7 (69)</i>	
IM U.S. Mid Cap Value Equity (MF) Median				-3.5	2.4	13.7	15.3	6.3	8.1	9.3	
Eaton Vance Atlanta Capital SMID Instl	4,599,409	3.5		-2.1 (13)	2.8 (79)	14.7 (31)	11.6 (9)	7.5 (10)	11.0 (15)	12.0 (5)	05/01/2012
Russell 2500 Growth Index				-6.8 (82)	5.6 (56)	10.6 (65)	1.0 (72)	4.0 (61)	8.8 (43)	10.0 (41)	
IM U.S. SMID Cap Growth Equity (MF) Median				-5.3	6.7	12.2	4.5	4.7	8.5	9.8	



<sup>\*</sup>As of January 2011, The Opportunistic Credit Custom Index consists of 12.5% Bloomberg U.S. Corporate High Yield Index, 12.5% S&P/LSTA Leveraged Loan Index, 25% HFRI RV: Fixed Income-Asset Backed Index, 25% HFRI ED: Distressed/Restructing Index and 25% Barclays U.S. CMBS 2.0 Index

<sup>\*\*</sup>Aon Opportunities Credit Fund, Westbrook Real Estate Fund and Barings North American Private Debt Fund MVs as of prior quater. Apollo Total Return MV as of prior month.

	Allocation						Perform	ance %			
	Market	%	Policy	_ 1	Year to	1	3	5	7	Since	Inception
	Value \$		%	Quarter	Date	Year	Years	Years	Years	Inception	Date
Non-U.S. Equity	30,813,976	23.6	30.0	-3.9	6.6	19.2	0.7	2.0	4.3	1.8	05/01/2008
MSCI AC World ex USA Index (Net)				-3.8	5.3	20.4	3.7	2.6	4.7	2.1	
American Funds EuroPacific Growth R6	8,754,382	6.7		-6.3 (77)	5.1 (65)	19.6 (80)	0.1 (100)	3.1 (57)	5.2 (39)	3.8 (1)	07/01/2014
MSCI AC World ex USA Index (Net)				-3.8 (12)	5.3 (64)	20.4 (78)	3.7 (70)	2.6 (79)	<i>4.7 (60)</i>	2.5 (60)	
IM International Large Cap Core Equity (MF) Median				-4.8	6.3	23.4	5.5	3.1	4.9	2.7	
T. Rowe Price Overseas Stock Instl	8,951,849	6.9		-4.6 (42)	6.0 (53)	23.8 (49)	5.5 (50)	3.2 (47)	5.5 (26)	-	07/01/2014
MSCI EAFE Index (Net)				-4.1 (22)	7.1 (27)	<i>25.6 (32)</i>	5.8 (39)	3.2 (46)	5.3 (34)	3.0 (30)	
IM International Large Cap Core Equity (MF) Median				-4.8	6.3	23.4	5.5	3.1	4.9	2.7	
Templeton Instl Foreign Smaller Companies Fund Adv	3,844,403	2.9		-3.9 (87)	4.6 (58)	20.5 (75)	0.6 (98)	0.4 (72)	3.2 (82)	4.4 (-)	05/01/2012
MSCI AC World ex USA Small Cap (Net)				-1.7 (28)	5.0 (57)	19.0 (80)	4.0 (85)	2.6 (39)	4.7 (41)	5.4 (-)	
IM International SMID Cap Core Equity (MF) Median				-2.5	6.2	23.3	5.0	1.6	4.2	-	
GQG Partners Emerging Markets Equity	6,796,226	5.2		1.5 (8)	15.5 (2)	19.2 (18)	-	-	-	-4.1 (33)	01/01/2021
MSCI Emerging Markets Index				-2.8 (45)	2.2 (63)	12.2 (59)	-	-	-	<i>-7.7 (53)</i>	
IM Emerging Markets Equity (MF) Median				-3.1	3.5	13.2	-	-	-	-7.3	
William Blair Emerging Markets Leaders Fund; R6	2,467,115	1.9		-6.9 (96)	-2.4 (93)	3.3 (93)	-	-	-	-13.5 (92)	01/01/2021
MSCI Emerging Markets Index				-2.8 (45)	2.2 (63)	12.2 (59)	-	-	-	<i>-7.7 (53)</i>	
IM Emerging Markets Equity (MF) Median				-3.1	3.5	13.2	-	-	-	-7.3	
Real Estate	7,142,654	5.5	5.0	-5.3	-1.1	2.3	7.1	5.9	6.1	7.6	07/01/2012
Wilton Pension Real Estate				-8.3	-5.6	-1.7	2.9	2.8	2.4	5.6	
Cohen & Steers Institutional Realty Shares	4,181,098	3.2		-8.8 (85)	-3.7 (58)	-0.2 (54)	-	-	-	1.2 (29)	01/01/2021
FTSE NAREIT All Equity REITs				-8.3 (67)	-5.6 (87)	-1.7 (73)	-	-	-	0.0 (61)	
IM Real Estate Sector (MF) Median				-7.7	-3.4	0.2	-	-	-	0.6	
Westbrook Real Estate Fund XI	2,961,556	2.3		0.0	1.0	3.9	-	-	-	13.8	02/01/2021



<sup>\*\*</sup>Aon Opportunities Credit Fund, Westbrook Real Estate Fund and Barings North American Private Debt Fund MVs as of prior quater. Apollo Total Return MV as of prior month.



				ı	Performance %				
	2022	2021	2020	2019	2018	2017	2016	2015	2014
Pension Plan	-15.6	11.6	12.1	20.3	-5.6	15.0	7.5	0.1	3.1
Wilton Pension Plan Benchmark	-15.9	11.1	12.6	20.1	-4.8	14.5	6.8	-0.1	5.6
Fixed Income	-10.9	1.3	6.3	7.8	0.3	3.9	4.4	-0.6	3.9
Wilton Pension FI Hybrid BB	-12.4	-1.4	7.7	8.3	-0.2	4.2	2.5	-0.1	4.9
Vanguard Total Bond Market Index Instl	-13.1 (37)	-1.7 (66)	7.7 (64)	8.7 (59)	0.0 (25)	3.6 (63)	2.6 (67)	0.4 (49)	5.9 (47)
Blmbg. U.S. Aggregate	-13.0 (30)	<i>-1.5 (62)</i>	7.5 (72)	8.7 (61)	0.0 (24)	<i>3.5 (63)</i>	2.6 (67)	0.5 (36)	<i>6.0 (39)</i>
IM U.S. Broad Market Core Fixed Income (MF) Median	-13.4	-1.3	8.2	9.0	-0.4	3.9	3.1	0.4	5.9
Metropolitan West Total Return Bond Pl	-14.7 (81)	-1.1 (71)	9.2 (44)	9.2 (61)	0.3 (19)	3.5 (88)	2.6 (98)	0.2 (35)	6.2 (34)
Blmbg. U.S. Aggregate	-13.0 (43)	-1.5 (84)	7.5 (76)	8.7 (71)	0.0 (28)	3.5 (86)	2.6 (94)	0.5 (24)	<i>6.0 (38)</i>
IM U.S. Broad Market Core+ Fixed Income (MF) Median	-13.3	-0.7	8.8	9.7	-0.7	4.8	4.1	0.1	5.1
PGIM Total Return Bond R6	-14.9 (85)	-1.2 (73)	8.1 (64)	11.1 (17)	-0.6 (46)	6.7 (5)	4.8 (35)	0.1 (51)	7.3 (17)
Blmbg. U.S. Aggregate	-13.0 (43)	-1.5 (84)	7.5 (76)	8.7 (71)	0.0 (28)	3.5 (86)	2.6 (94)	0.5 (24)	6.0 (38)
IM U.S. Broad Market Core+ Fixed Income (MF) Median	-13.3	-0.7	8.8	9.7	-0.7	4.8	4.1	0.1	5.1
PIMCO Income Fund	-7.8 (18)	2.6 (6)	-	-	-	-	-	-	-
ICE BofAML US High Yield Master II Constrained	-11.2 (31)	<i>5.3 (4)</i>	-	-	-	-	-	-	-
Blmbg. U.S. Aggregate	-13.0 (43)	-1.5 (41)	-	-	-	-	-	-	-
Global Fixed Income Median	-14.2	-2.5	-	-	-	-	-	-	-
Apollo Total Return Fund	-4.5 (9)	4.9 (13)	-	-	-	-	-	-	-
ICE BofAML US High Yield Master II Constrained	-11.2 (49)	<i>5.3 (12)</i>	-	-	-	-	-	-	-
50/50 ML Master II & Credit Suisse LLI	-6.2 (16)	<i>5.4 (12)</i>	-	-	-	-	-	-	-
IM Multi-Sector General Bond (MF) Median	-11.3	1.3	-	-	-	-	-	-	-
Aon Opportunistic Credit Fund	-5.8	-	-	-	-	-	-	-	-
ICE BofAML US High Yield Master II Constrained	-11.2	-	-	-	-	-	-	-	-
Opportunistic Credit Custom Index	<i>-5.3</i>	-	-	-	-	-	-	-	-



<sup>\*</sup>Performance shown for since inception years of Total Pension Plan

		Performance %										
	2022	2021	2020	2019	2018	2017	2016	2015	2014			
Barings North American Private Debt Fund	5.5	-	-	-	-	-	-	-	-			
ICE BofAML US High Yield Master II Constrained	-11.2	_	-	_	_	-	-	-	-			



	Performance %								
	2022	2021	2020	2019	2018	2017	2016	2015	2014
Cash Equivalents	1.5	0.0	0.3	2.1	1.7	0.7	0.2	0.0	0.0
90 Day U.S. Treasury Bill	1.5	0.0	0.7	2.3	1.9	0.9	0.3	0.0	0.0
Allspring Government MM Fund [CE]	1.5 (54)	0.0 (56)	0.3 (71)	2.1 (52)	1.7 (55)	0.7 (56)	0.2 (47)	0.0 (51)	0.0 (52)
90 Day U.S. Treasury Bill	1.5 (60)	0.0 (11)	0.7 (2)	2.3 (12)	1.9 (20)	0.9 (21)	0.3 (37)	0.0 (32)	0.0 (17)
IM U.S. Taxable Money Market (MF) Median	1.5	0.0	0.4	2.1	1.7	0.7	0.2	0.0	0.0
U.S. Equity	-16.4	28.6	15.5	31.5	-5.7	20.0	12.9	2.8	11.1
Russell 3000 Index	-19.2	<i>25.7</i>	20.9	31.0	-5.2	21.1	12.7	0.5	12.6
Vanguard Institutional Index Fund Instl	-18.1 (28)	28.7 (22)	18.4 (31)	31.5 (14)	-4.4 (29)	21.8 (21)	11.9 (14)	1.4 (13)	13.7 (6)
S&P 500 Index	-18.1 (7)	<i>28.7 (3)</i>	<i>18.4 (23)</i>	31.5 (8)	-4.4 (8)	21.8 (4)	12.0 (10)	1.4 (9)	13.7 (1)
IM S&P 500 Index (MF) Median	-18.2	28.5	18.3	31.3	-4.5	21.7	11.8	1.2	13.5
Diamond Hill Small-Mid Cap Y	-13.5 (99)	31.2 (38)	1.5 (65)	27.8 (38)	-12.4 (41)	8.8 (97)	18.3 (48)	1.4 (9)	7.6 (72)
Russell 2500 Value Index	-13.1 (99)	27.8 (67)	4.9 (44)	23.6 (85)	<i>-12.4 (39)</i>	10.4 (89)	25.2 (11)	<i>-5.5 (62)</i>	7.1 (76)
IM U.S. Mid Cap Value Equity (MF) Median	-7.9	29.6	4.2	26.7	-13.4	14.3	17.4	-4.5	10.1
Eaton Vance Atlanta Capital SMID Instl	-8.8 (2)	22.2 (12)	11.2 (98)	34.4 (21)	-5.4 (39)	24.7 (35)	11.2 (49)	9.7 (1)	5.2 (49)
Russell 2500 Growth Index	-26.2 (56)	5.0 (82)	40.5 (29)	<i>32.7 (33)</i>	-7.5 (60)	24.5 (40)	9.7 (63)	-0.2 (37)	7.1 (37)
IM U.S. SMID Cap Growth Equity (MF) Median	-25.4	13.7	31.8	30.5	-6.7	21.9	11.0	-1.3	4.7



	Performance %								
	2022	2021	2020	2019	2018	2017	2016	2015	2014
Non-U.S. Equity	-20.8	3.8	15.7	23.9	-15.3	30.6	2.6	-2.1	-7.2
MSCI AC World ex USA Index (Net)	-16.0	7.8	10.7	21.5	-14.2	27.2	4.5	-5.7	-3.9
American Funds EuroPacific Growth R6	-22.7 (99)	2.8 (99)	25.3 (1)	27.4 (13)	-14.9 (59)	31.2 (6)	1.0 (51)	-0.5 (29)	-2.3 (12)
MSCI AC World ex USA Index (Net)	-16.0 (62)	7.8 (84)	<i>10.7 (32)</i>	<i>21.5 (65)</i>	-14.2 (48)	27.2 (23)	4.5 (18)	<i>-5.7 (77)</i>	<i>-3.9 (27)</i>
IM International Large Cap Core Equity (MF) Median	-14.8	11.3	9.0	22.1	-14.4	25.3	1.1	-0.9	-5.6
T. Rowe Price Overseas Stock Instl	-15.4 (55)	12.4 (36)	9.3 (44)	23.0 (41)	-14.8 (58)	27.2 (22)	3.0 (24)	-	-
MSCI EAFE Index (Net)	-14.5 (42)	11.3 (51)	7.8 (70)	<i>22.0 (56)</i>	-13.8 (39)	<i>25.0 (58)</i>	1.0 (51)	-	-
IM International Large Cap Core Equity (MF) Median	-14.8	11.3	9.0	22.1	-14.4	25.3	1.1	-	-
Templeton Instl Foreign Smaller Companies Fund Adv	-23.3 (92)	10.7 (63)	9.0 (16)	22.9 (29)	-18.5 (29)	34.2 (13)	-0.9 (83)	1.9 (84)	-3.3 (8)
MSCI AC World ex USA Small Cap (Net)	-20.0 (82)	12.9 (47)	14.2 (1)	22.4 (30)	-18.2 (28)	31.6 (33)	3.9 (39)	2.6 (82)	-4.0 (14)
IM International SMID Cap Core Equity (MF) Median	-16.9	12.5	5.8	19.2	-19.4	29.7	3.3	5.1	-6.1
GQG Partners Emerging Markets Equity	-20.9 (53)	-2.4 (65)	-	-	-	-	-	-	-
MSCI Emerging Markets Index	-19.7 (45)	-2.2 (64)	-	-	-	-	-	-	-
IM Emerging Markets Equity (MF) Median	-20.5	-0.2	-	-	-	-	-	-	-
William Blair Emerging Markets Leaders Fund; R6	-25.9 (81)	-7.3 (87)	-	-	-	-	-	-	-
MSCI Emerging Markets Index	-19.7 (45)	-2.2 (64)	-	-	-	-	-	-	-
IM Emerging Markets Equity (MF) Median	-20.5	-0.2	-	-	-	-	-	-	-
Real Estate	-17.6	39.5	-5.7	29.0	1.0	6.5	8.6	13.0	8.6
Wilton Pension Real Estate	-24.9	41.3	-4.9	29.0	-5.9	5.1	8.6	2.5	30.4
Cohen & Steers Institutional Realty Shares	-24.7 (26)	42.8 (34)	-	-	-	-	-	-	-
FTSE NAREIT All Equity REITs	-24.9 (32)	41.3 (51)	-	-	-	-	-	-	-
IM Real Estate Sector (MF) Median	-26.1	41.3	-	-	-	-	-	-	-
Westbrook Real Estate Fund XI	28.0	-	-	-	-	-	-	-	-



<sup>\*</sup>Performance shown for since inception years of Total Pension Plan

### **Ratings Report Card**

#### Pension

Fund	Aon Rating
Vanguard Total Bond Market Index	Buy
MetWest Total Return Bond	In Review (Buy)
PGIM Total Return Bond	Buy
PIMCO Income Fund	Buy
Apollo Total Return Fund	Buy
Vanguard Institutional Index	Buy
Diamond Hill Small Mid Cap	Not Recommended
Eaton Vance Atlanta Capital SMID Cap	Qualified
AF EuroPacific Growth	Buy
T Rowe Price Overseas Stock	Qualified
Templeton Institutional Foreign Small Comp	Not Recommended
GQG Partners Emerging Markets Equity	Buy
William Blair Emerging Markets Leaders Fund	Buy
Cohen & Steers Institutional Realty Shares	Buy
Westbrook Real Estate Fund	N/A

# 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

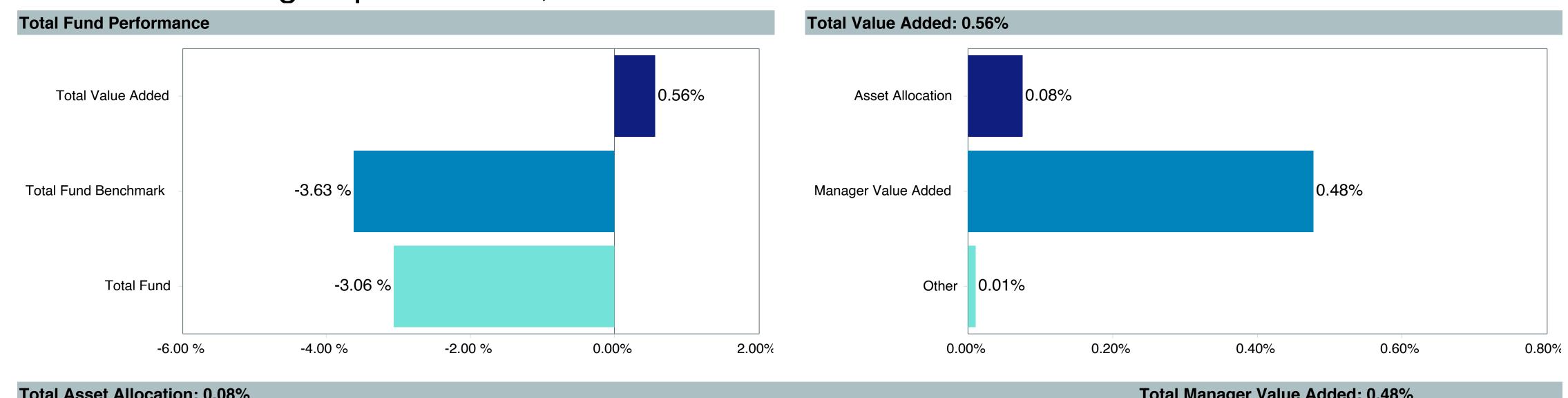


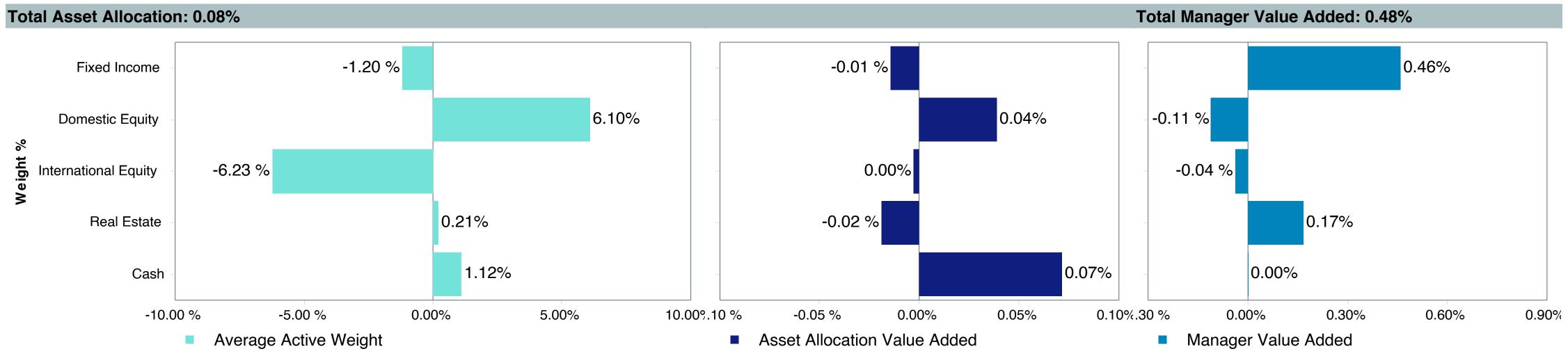
<sup>&</sup>lt;sup>1</sup> Qualified rating may be assigned based on a Qualitative <u>or</u> Quantitative Review

<sup>&</sup>lt;sup>2</sup>Sub-advisor strategy has a Buy rating

<sup>&</sup>lt;sup>3</sup>Sub-advisor strategy has a Qualified rating

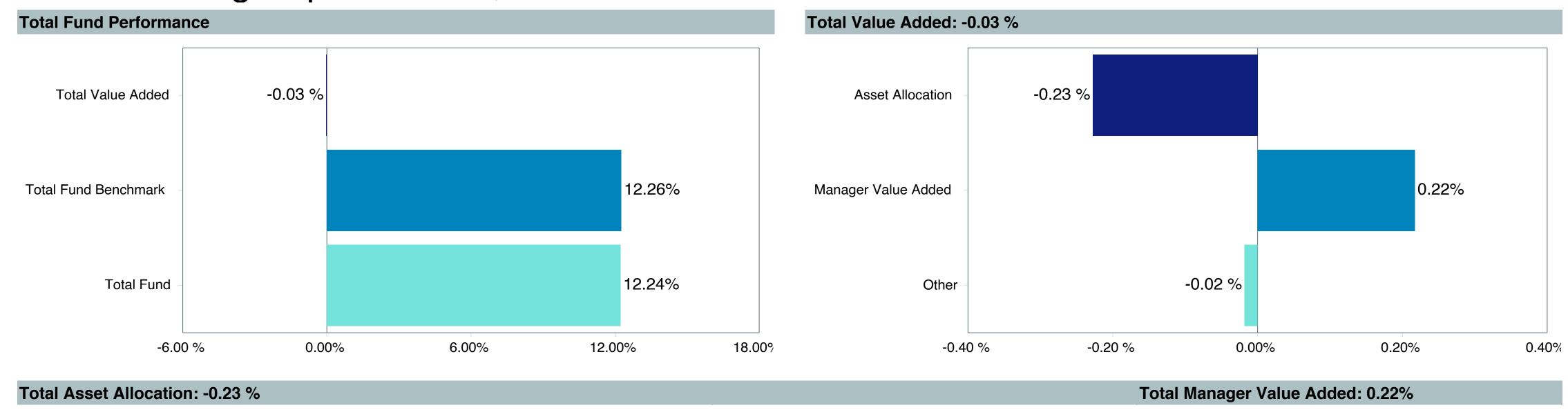
### 1 Quarter Ending September 30, 2023

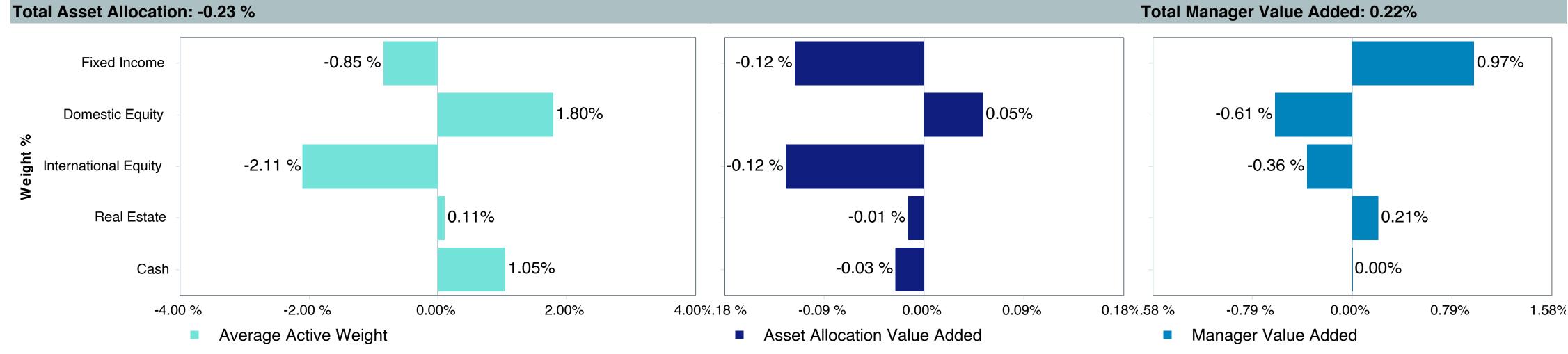






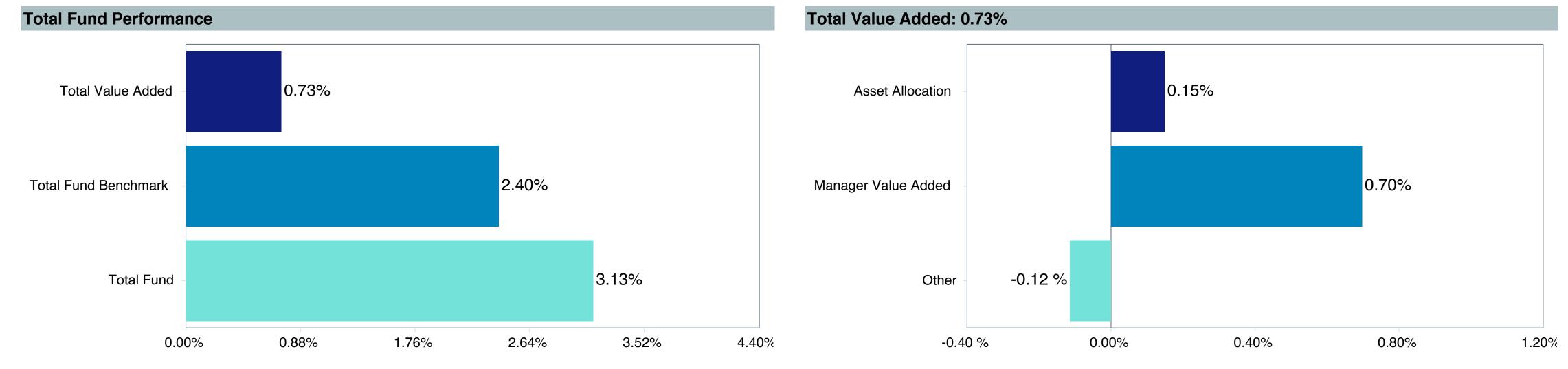
### 1 Year Ending September 30, 2023

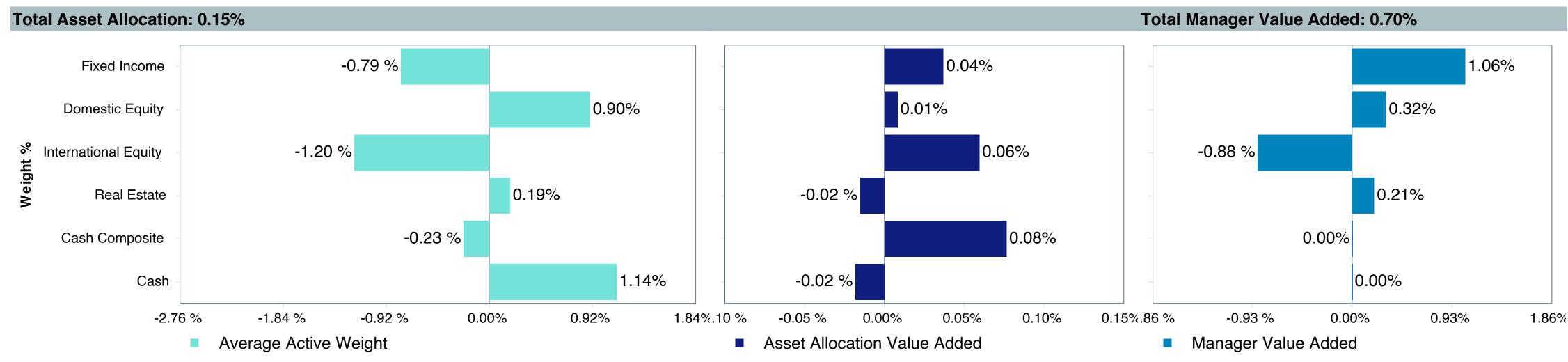






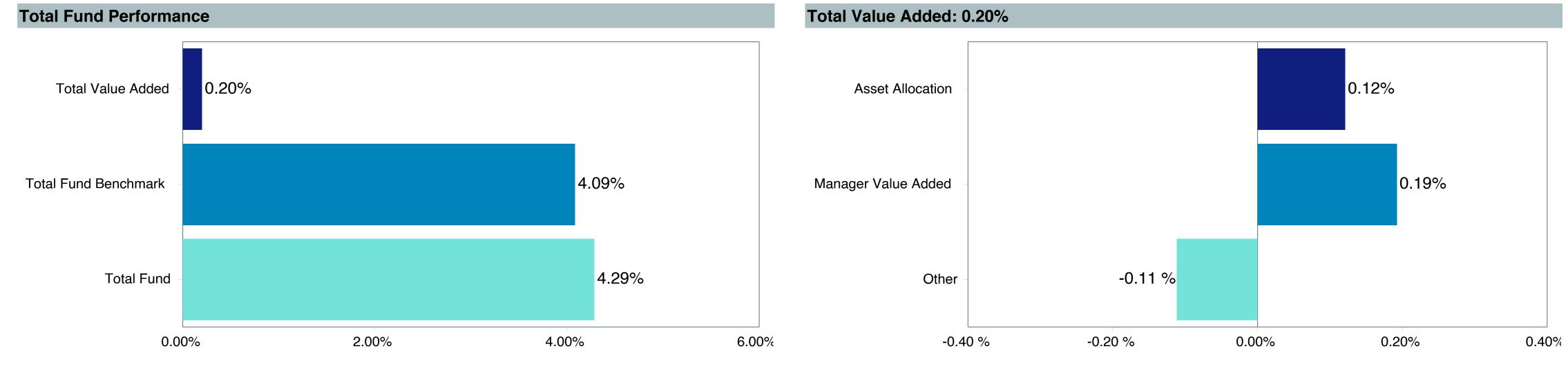
### 3 Years Ending September 30, 2023

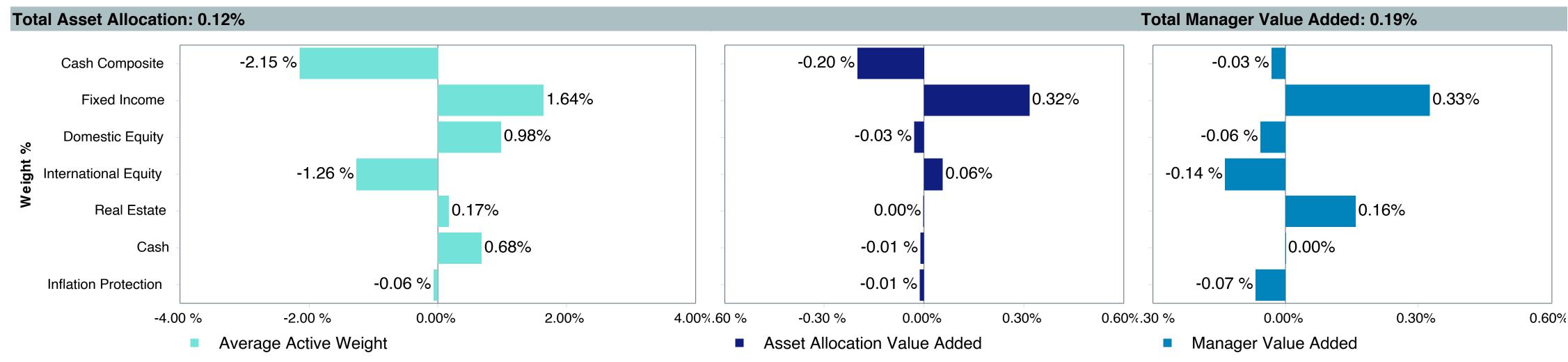






### 5 Years Ending September 30, 2023



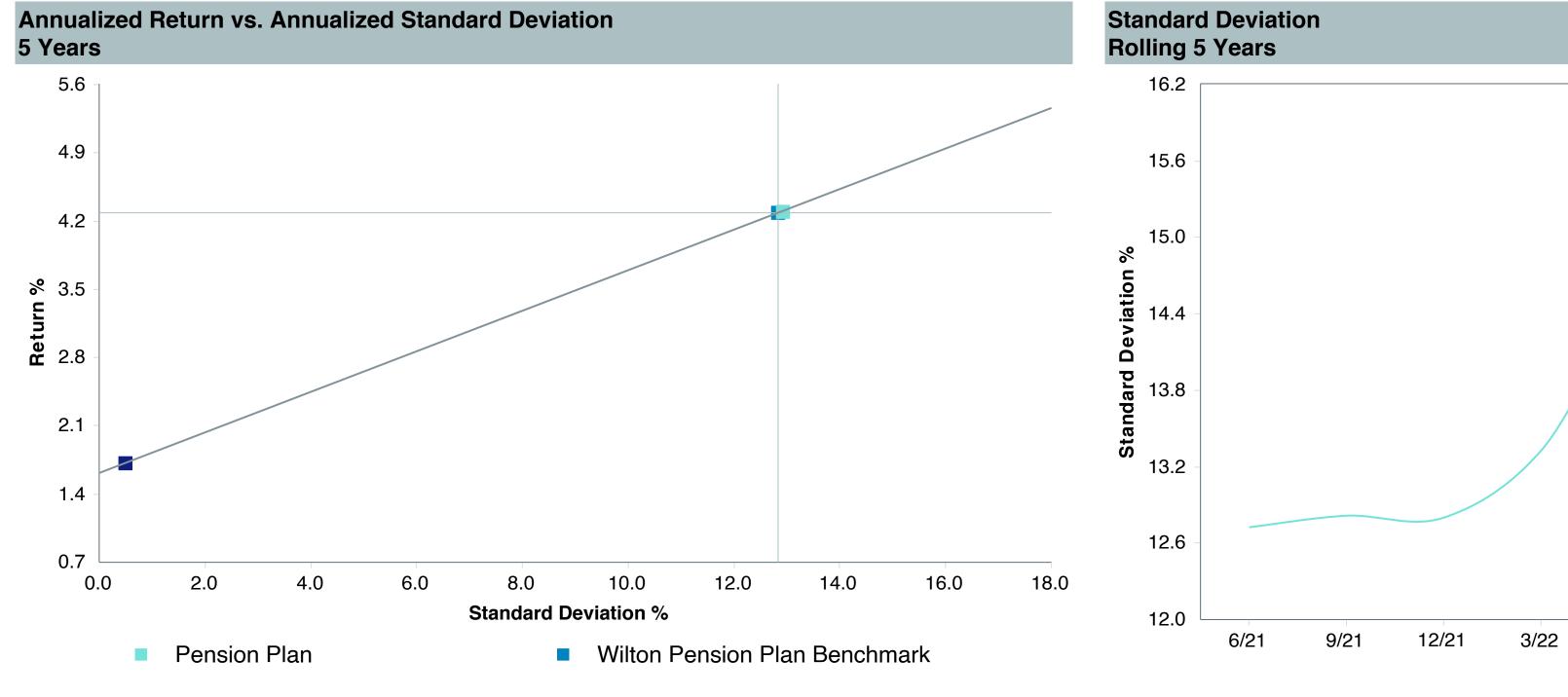


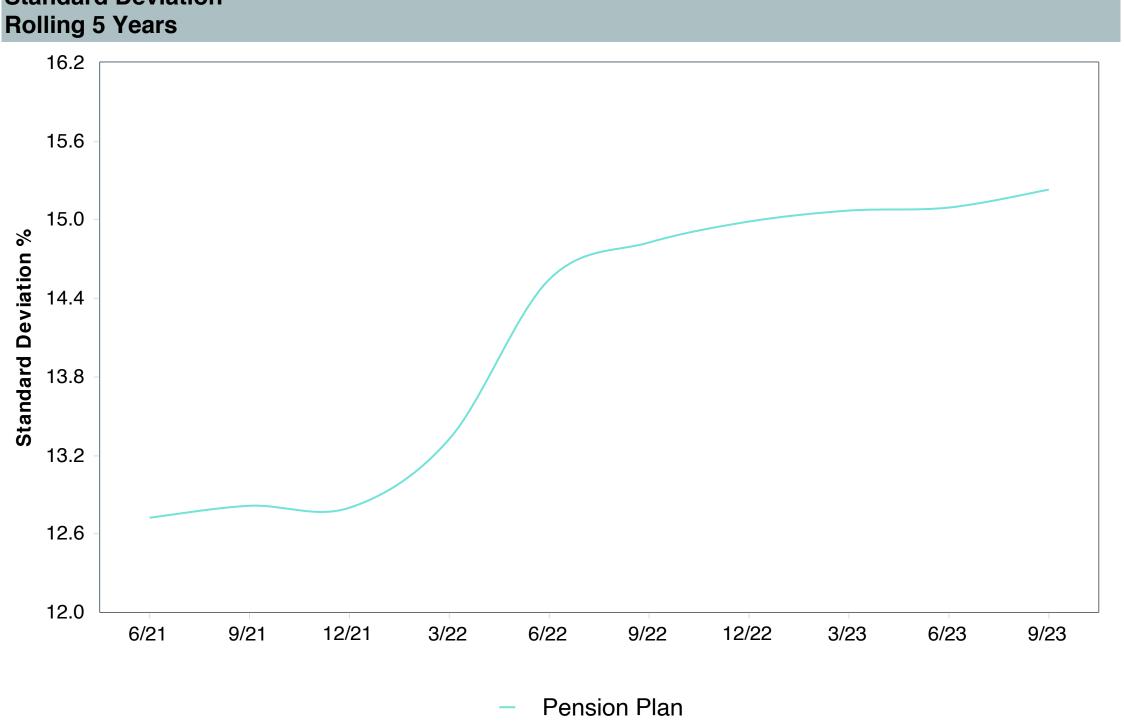


### **Risk Profile**

### As of September 30, 2023

90 Day U.S. Treasury Bill



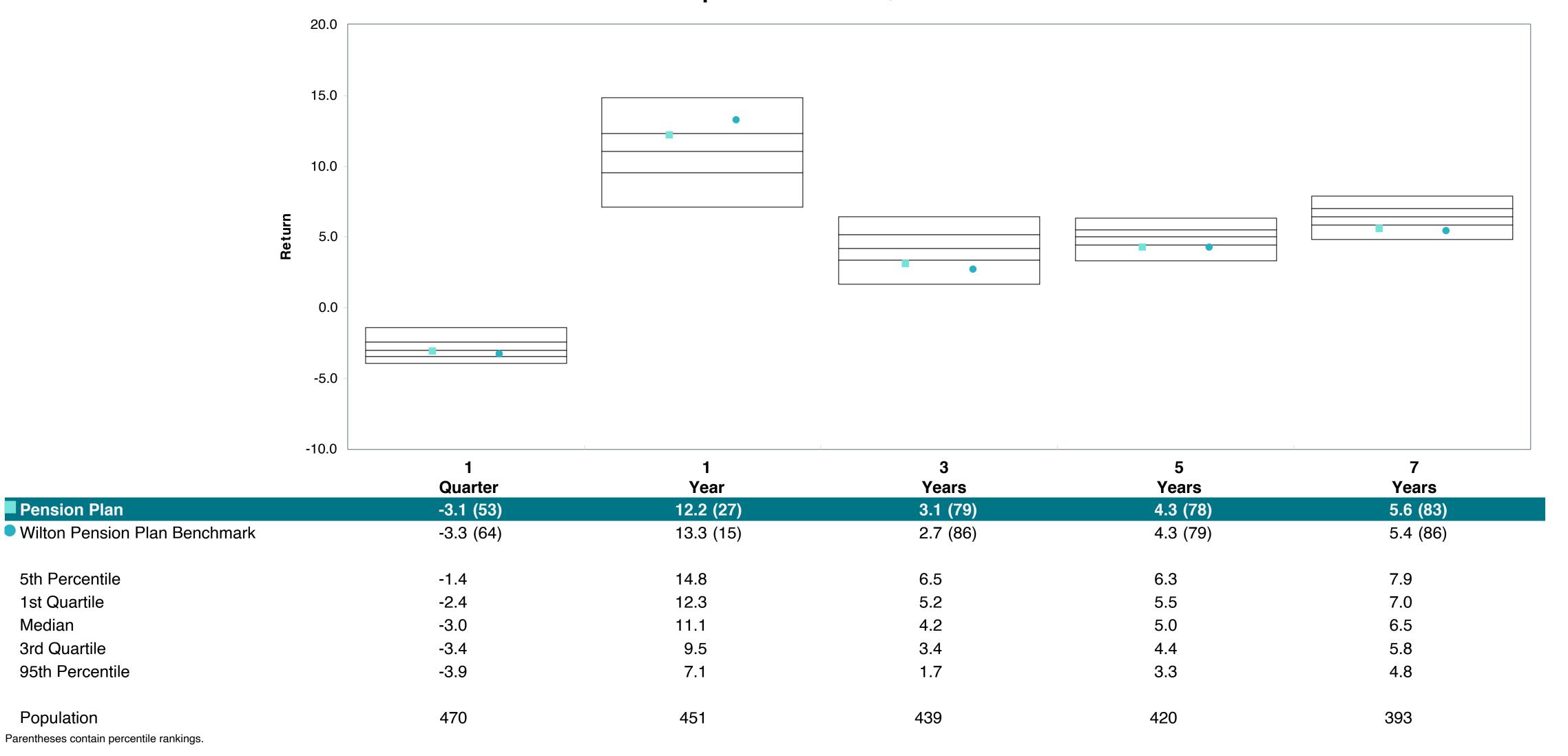


5 Years Historical Statistics										
	Active Return	Tracking Error	Information Ratio	R-Squared	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlation
Pension Plan	0.02	1.58	0.01	0.99	0.26	0.03	1.00	4.29	12.93	0.99
Wilton Pension Plan Benchmark	0.00	0.00	-	1.00	0.26	0.00	1.00	4.29	12.84	1.00
90 Day U.S. Treasury Bill	<i>-3.32</i>	12.91	-0.26	0.01	-	1.74	0.00	1.72	0.50	-0.11



# Plan Sponsor Group Analysis

All Public Plans < \$1B-Total Fund As of September 30, 2023





Pension Plan

5th Percentile

1st Quartile

3rd Quartile

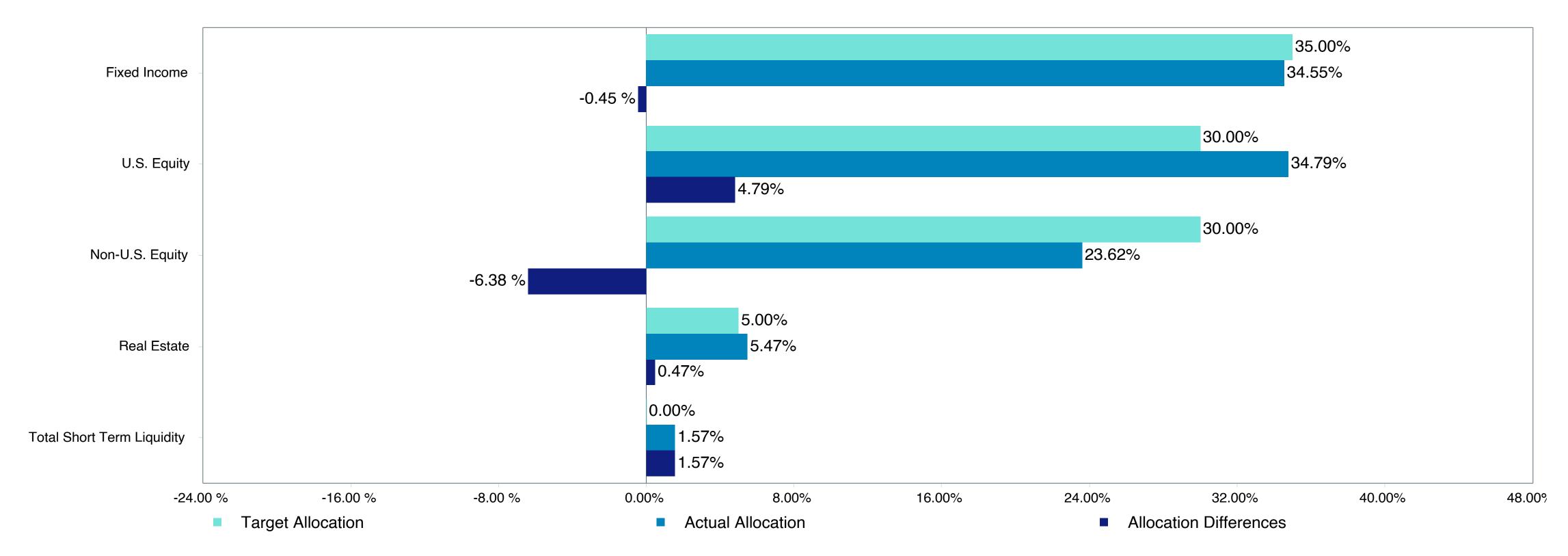
**Population** 

95th Percentile

Median

# **Asset Allocation Compliance**

	Market Value \$	Current Allocation %	Target Allocation %	Differences %
Pension Plan	130,472,098.63	100.00	100.00	0.00
Fixed Income	45,075,816.61	34.55	35.00	-0.45
U.S. Equity	45,396,380.33	34.79	30.00	4.79
Non-U.S. Equity	30,813,976.01	23.62	30.00	-6.38
Real Estate	7,142,653.77	5.47	5.00	0.47





# **Pension Plan**





## **Financial Reconciliation**

### 1 Quarter Ending September 30, 2023

	Market Value As of 07/01/2023	Net Flows	Return On Investment	Market Value As of 09/30/2023
Vanguard Total Bond Market Index Instl	6,894,966.64	-	-212,546.09	6,682,420.55
Metropolitan West Total Return Bond Pl	13,209,521.85	-	-464,141.90	12,745,379.95
PGIM Total Return Bond R6	6,923,535.31	-	-174,288.20	6,749,247.11
PIMCO Income Fund	6,922,866.25	-	-37,717.46	6,885,148.79
Apollo Total Return Fund	5,537,417.65	-95,253.91	87,228.94	5,529,392.68
Aon Opportunistic Credit Fund	3,289,187.71	112,839.00	-57,780.85	3,344,245.86
Barings North American Private Debt Fund	3,281,972.21	-141,990.54	-	3,139,981.67
Fixed Income	46,059,467.62	-124,405.45	-859,245.56	45,075,816.61
Vanguard Institutional Index Fund Instl	37,551,766.83	-	-1,231,159.17	36,320,607.66
Diamond Hill Small-Mid Cap Y	5,605,114.61	-800,000.00	-328,751.17	4,476,363.44
Eaton Vance Atlanta Capital SMID Instl	5,958,225.41	-1,300,000.00	-58,816.18	4,599,409.23
U.S. Equity	49,115,106.85	-2,100,000.00	-1,618,726.52	45,396,380.33
American Funds EuroPacific Growth R6	9,345,848.67	-	-591,466.26	8,754,382.41
T. Rowe Price Overseas Stock Instl	9,383,262.94	-	-431,414.39	8,951,848.55
Templeton Instl Foreign Smaller Companies Fund Adv	3,999,709.88	-	-155,306.69	3,844,403.19
GQG Partners Emerging Markets Equity	6,693,747.34	-	102,479.08	6,796,226.42
William Blair Emerging Markets Leaders Fund; R6	2,649,639.39	-	-182,523.95	2,467,115.44
Non-U.S. Equity	32,072,208.22	•	-1,258,232.21	30,813,976.01
Cohen & Steers Institutional Realty Shares	4,684,066.49	-100,000.00	-402,968.72	4,181,097.77
Westbrook Real Estate Fund XI	2,173,447.00	788,109.00	-	2,961,556.00
Real Estate	6,857,513.49	688,109.00	-402,968.72	7,142,653.77
Allspring Government MM Fund [CE]	1,303,662.97	722,423.11	17,185.83	2,043,271.91
Cash Equivalents	1,303,662.97	722,423.11	17,185.83	2,043,271.91
Pension Plan	135,407,959.15	-813,873.34	-4,121,987.18	130,472,098.63

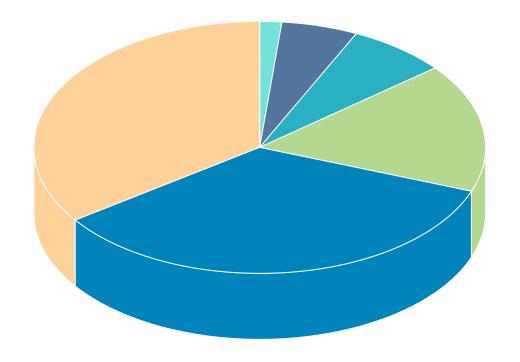


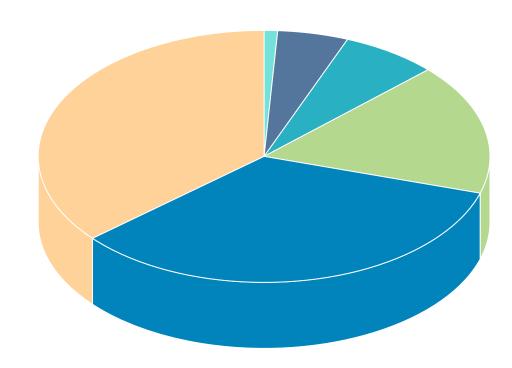
# **Asset Allocation by Segment**

As of September 30, 2023

September 30, 2023 : \$130,472,098.6

June 30, 2023 : \$135,407,959.2





Segments	Market Value (\$)	Allocation (%)
Cash Equivalent	2,043,271.91	1.57
Real Estate	7,142,653.77	5.47
Emerging Equity	9,263,341.86	7.10
International Equity	21,550,634.15	16.52
Domestic Fixed Income	45,075,816.61	34.55
Domestic Equity	45,396,380.33	34.79

Segments	Market Value (\$)	Allocation (%)
Cash Equivalent	1,303,662.97	0.96
Real Estate	6,857,513.49	5.06
Emerging Equity	9,343,386.73	6.90
International Equity	22,728,821.49	16.79
Domestic Fixed Income	46,059,467.62	34.02
Domestic Equity	49,115,106.85	36.27



# Multi Report Enhanced

	Vehicle Type	Market Value	% of	Fee Schedule	Universe Name		eer Gro	Group Fee Range (%)	
		\$000	Portfolio			25th	50th	75th	Population
Pension Plan		130,472	100.00						
Vanguard Total Bond Market Index Instl	MF	6,682	5.12	0.04 % of Assets	eA US Passive Core Fixed Income (MF)	0.04	0.10	0.11	14
Metropolitan West Total Return Bond Pl	MF	12,745	9.77	0.37 % of Assets	eA US Core Plus Fixed Income (MF)	0.40	0.46	0.50	90
PGIM Total Return Bond R6	MF	6,749	5.17	0.39 % of Assets	eA US Core Plus Fixed Income (MF)	0.40	0.46	0.50	90
PIMCO Income Fund	MF	6,885	5.28	0.50 % of Assets	eA Global Multi-Sector Fixed Income (MF)	0.43	0.60	0.65	34
Apollo Total Return Fund	CF	5,529	4.24	0.75 % of Assets	eA Global Multi-Sector Fixed Income (CF)	0.40	0.45	0.50	17
Vanguard Institutional Index Fund Instl	MF	36,321	27.84	0.04 % of Assets	eA US Passive S&P 500 Equity (MF)	0.05	0.10	0.17	22
Diamond Hill Small-Mid Cap Y	MF	4,476	3.43	0.80 % of Assets	eA US Mid Cap Value Equity (MF)	0.74	0.85	0.94	56
Eaton Vance Atlanta Capital SMID Instl	MF	4,599	3.53	0.88 % of Assets	eA US Small-Mid Cap Growth Equity (MF)	0.75	0.87	1.05	34
American Funds EuroPacific Growth R6	MF	8,754	6.71	0.46 % of Assets	eA ACWI ex-US Large Cap Core Equity (MF)	0.71	0.77	0.92	32
T. Rowe Price Overseas Stock Instl	MF	8,952	6.86	0.66 % of Assets	eA ACWI ex-US Large Cap Core Equity (MF)	0.71	0.77	0.92	32
Templeton Instl Foreign Smaller Companies Fund Adv	MF	3,844	2.95	1.03 % of Assets	eA Global Small-Mid Cap Equity (MF)	0.80	0.95	1.02	17
GQG Partners Emerging Markets Equity	MF	6,796	5.21	0.98 % of Assets	eA All Emerging Mkts Equity (MF)	0.75	0.95	1.15	291
William Blair Emerging Markets Leaders Fund; R6	MF	2,467	1.89	0.94 % of Assets	eA All Emerging Mkts Equity (MF)	0.75	0.95	1.15	291
Cohen & Steers Institutional Realty Shares	MF	4,181	3.20	0.75 % of Assets	eA US REIT (MF)	0.75	0.84	1.05	36
Westbrook Real Estate Fund XI	CF	2,962	2.27	1.43 % of Assets					

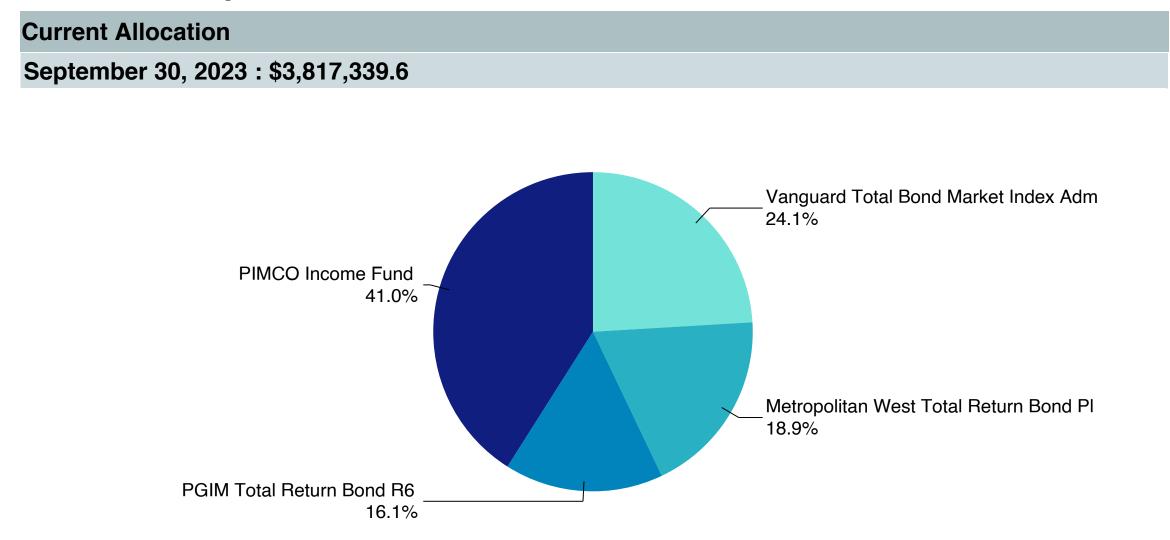


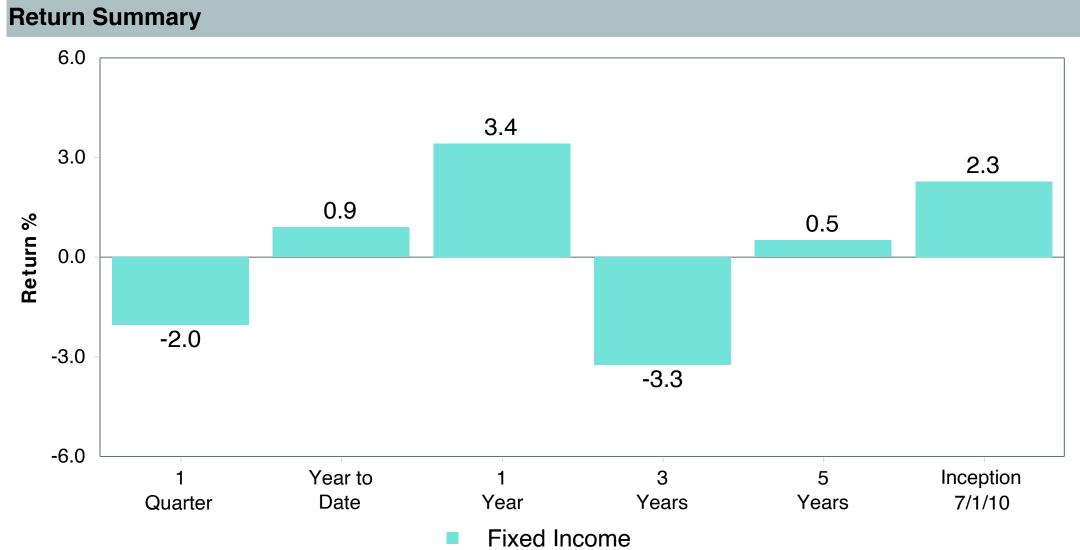
# **Fixed Income**

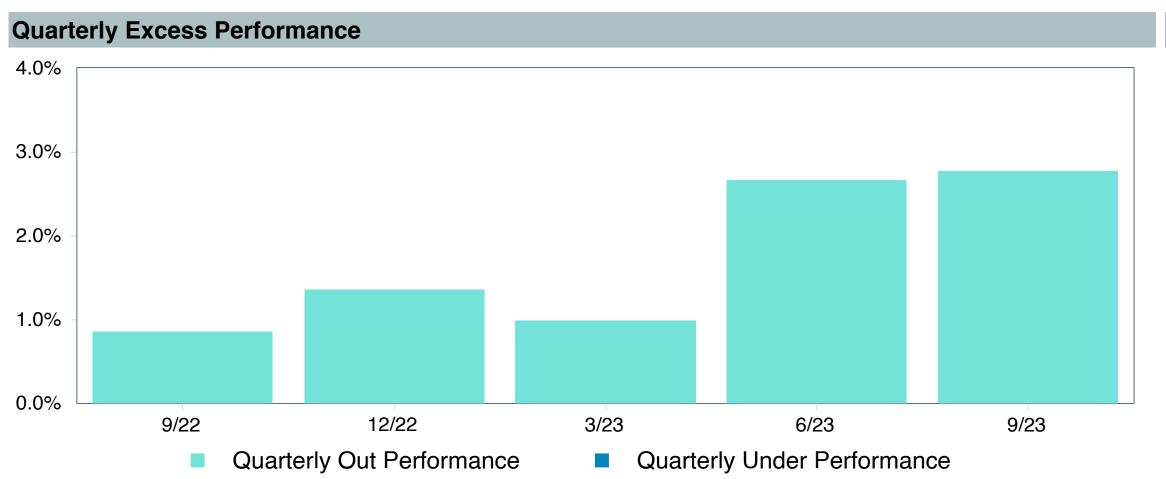


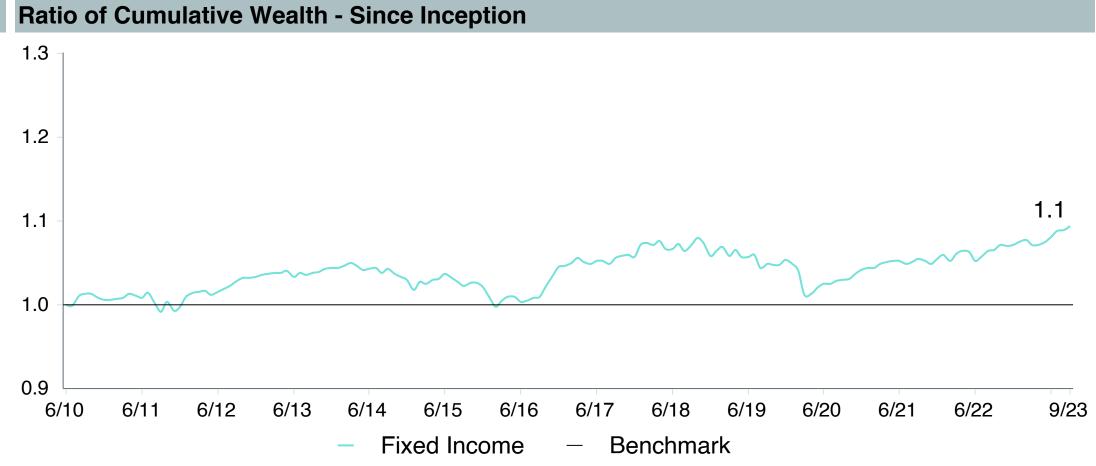


# Composite Portfolio Overview





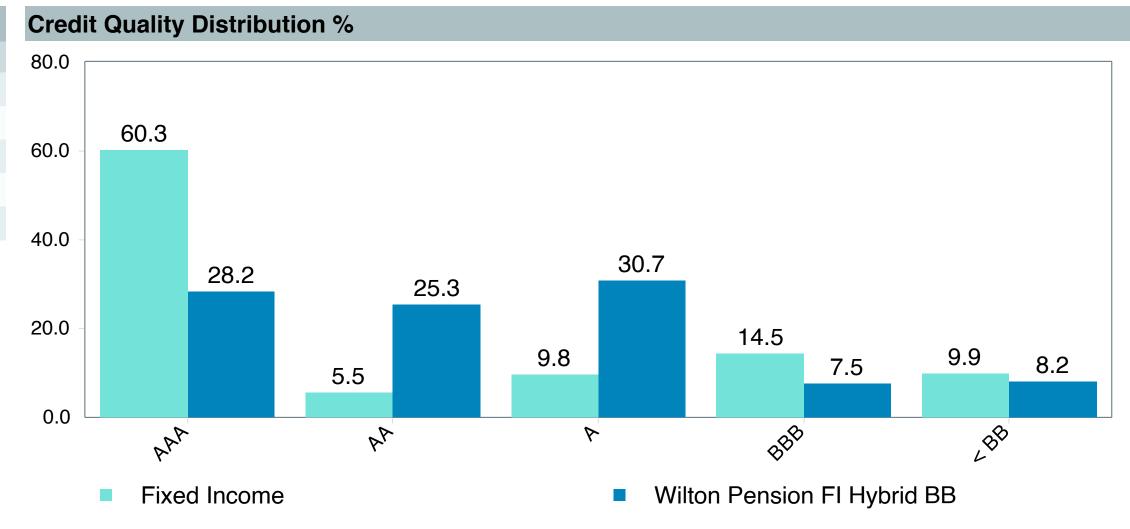


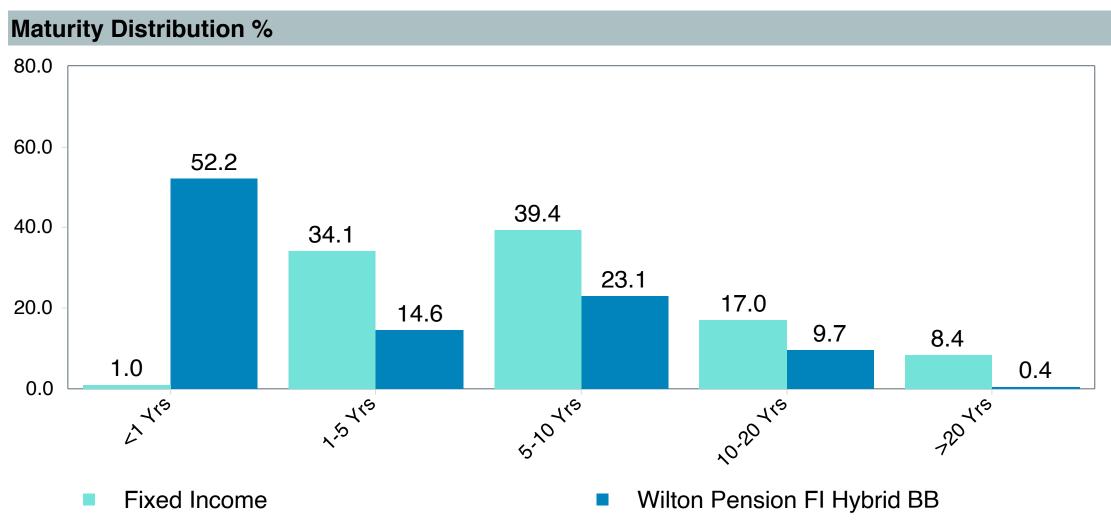


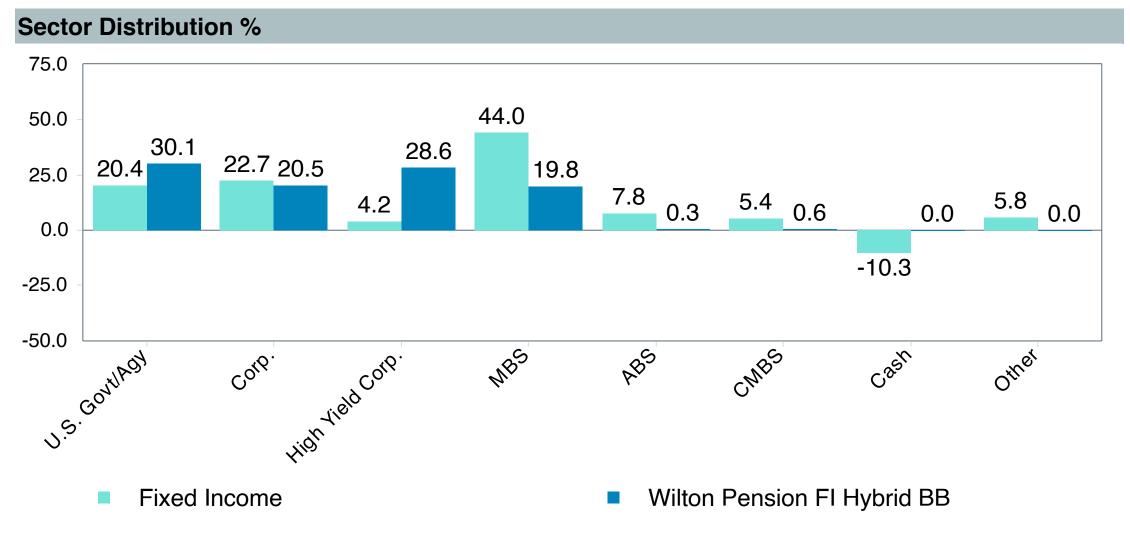


### **Portfolio Characteristics**

Portfolio Characteristics		
	Portfolio	Benchmark
Avg. Quality	-	<u>-</u>
Coupon Rate (%)	4.02	3.71
Current Yield	<del>-</del>	-
Effective Duration	6.24	5.59
Yield To Maturity (%)	6.12	5.68



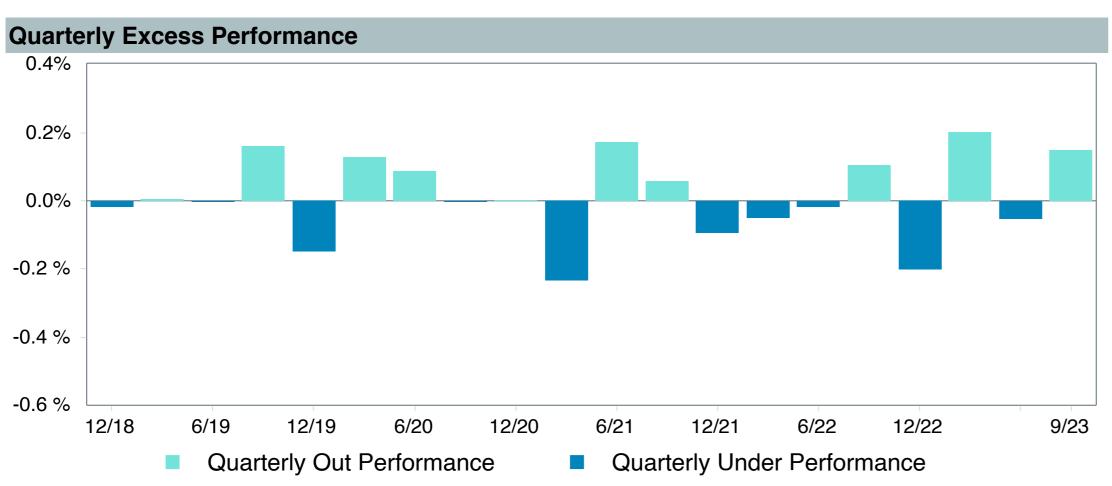


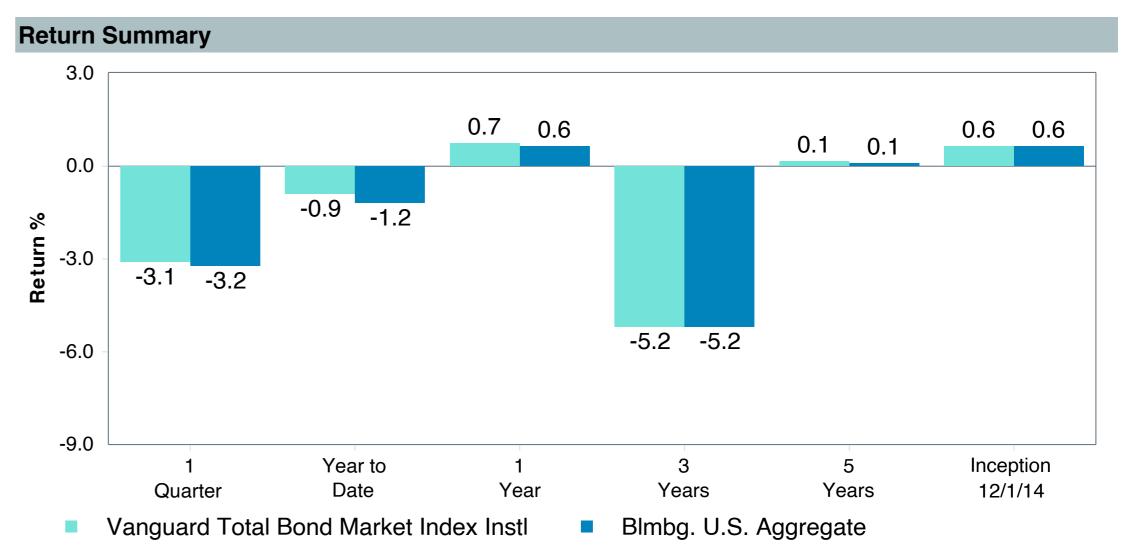


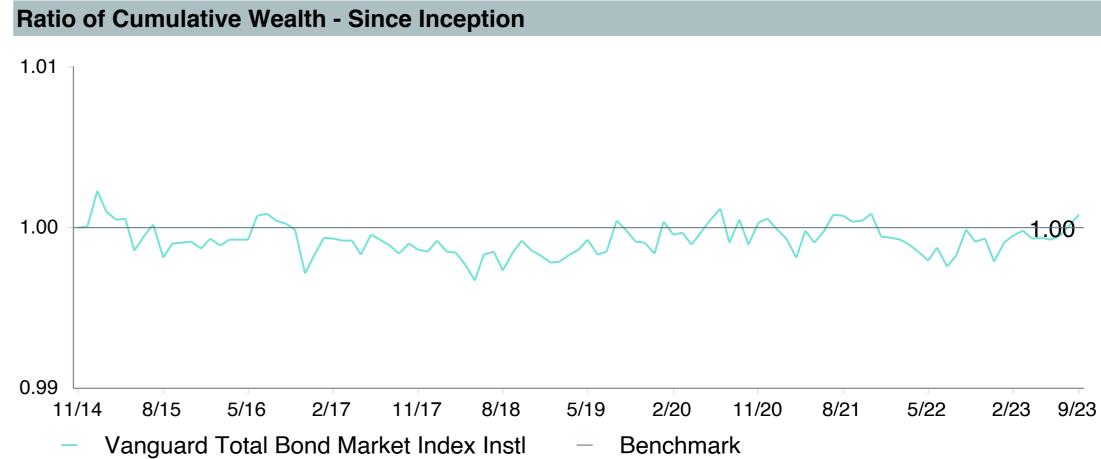


# Manager Performance Summary

<b>Account Information</b>	on
Product Name :	Vanguard Tot Bd;Inst (VBTIX)
Fund Family:	Vanguard
Ticker:	VBTIX
Peer Group:	IM U.S. Broad Market Core Fixed Income (MF)
Benchmark:	Blmbg. U.S. Aggregate
Fund Inception:	09/18/1995
Portfolio Manager:	Joshua C. Barrickman
Total Assets:	\$42,099.30 Million
Total Assets Date:	08/31/2023
Gross Expense:	0.04%
Net Expense:	0.04%
Turnover:	40%

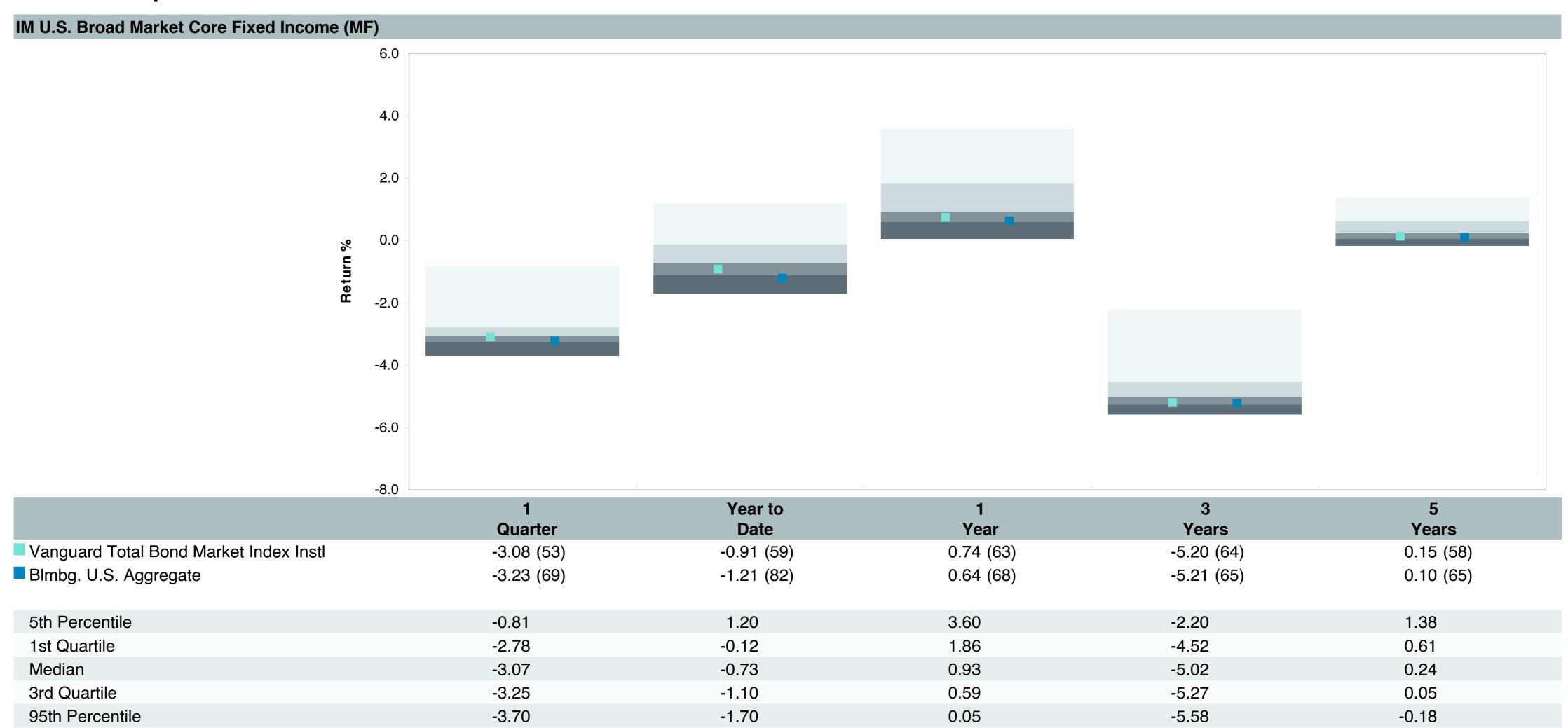




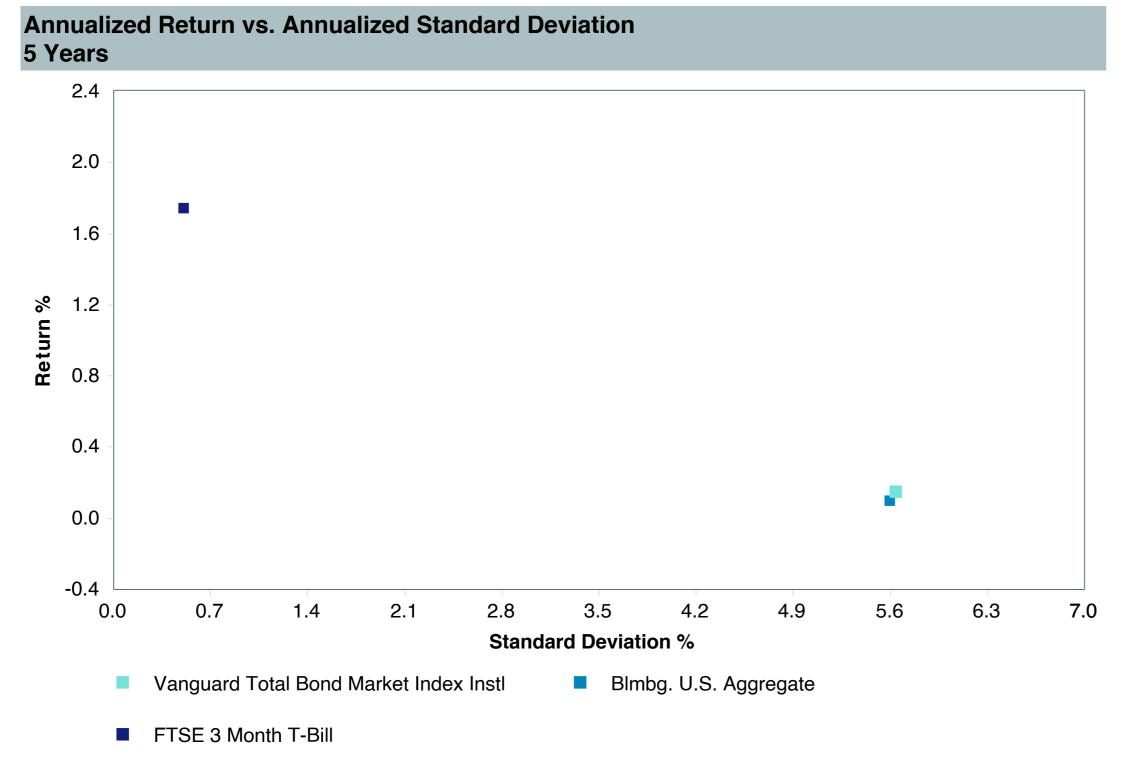


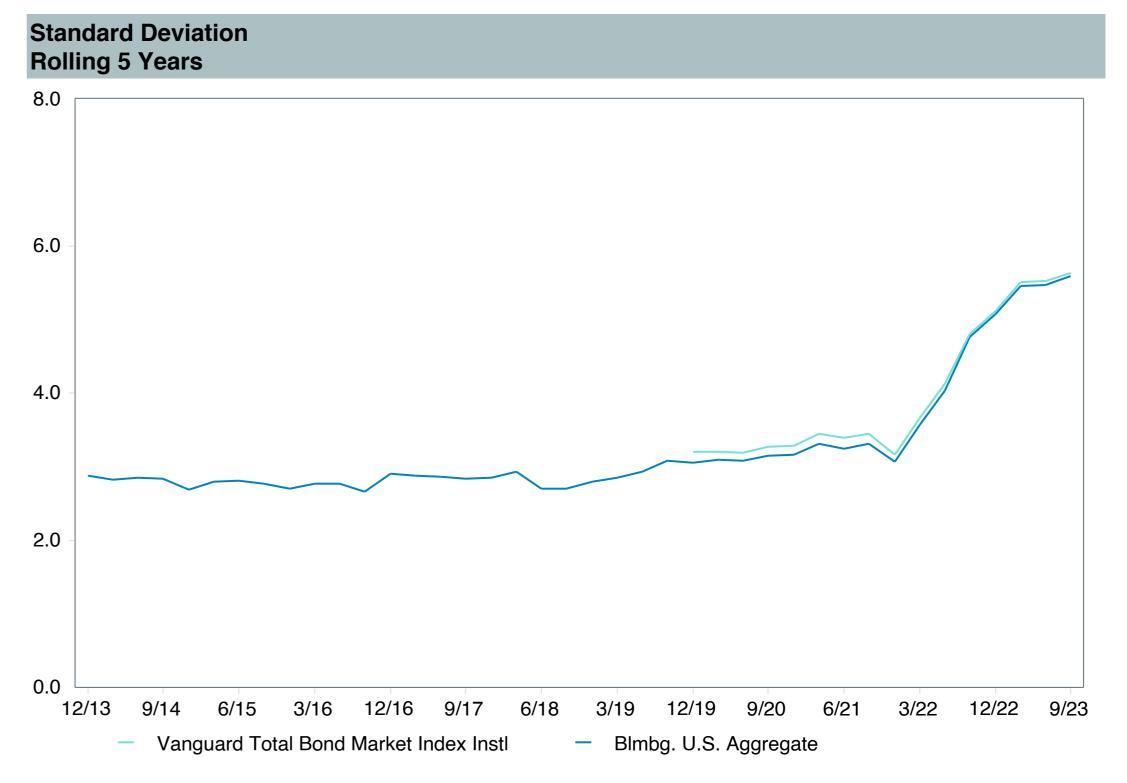


# Peer Group Analysis





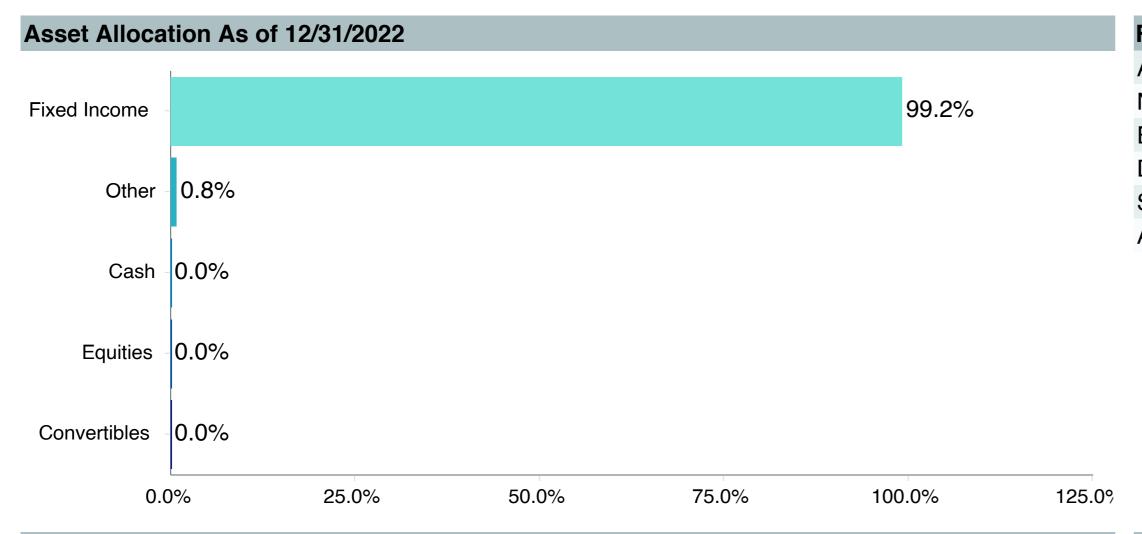


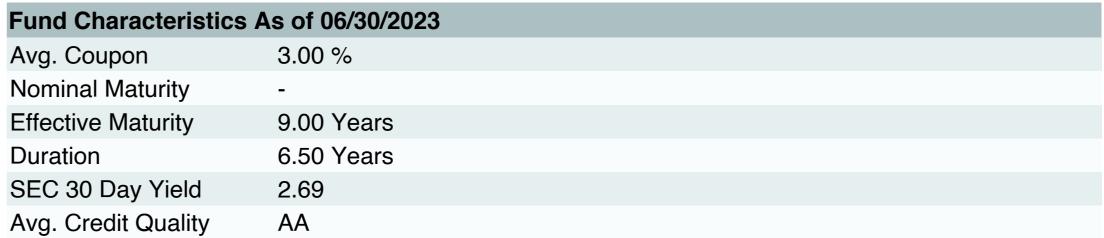


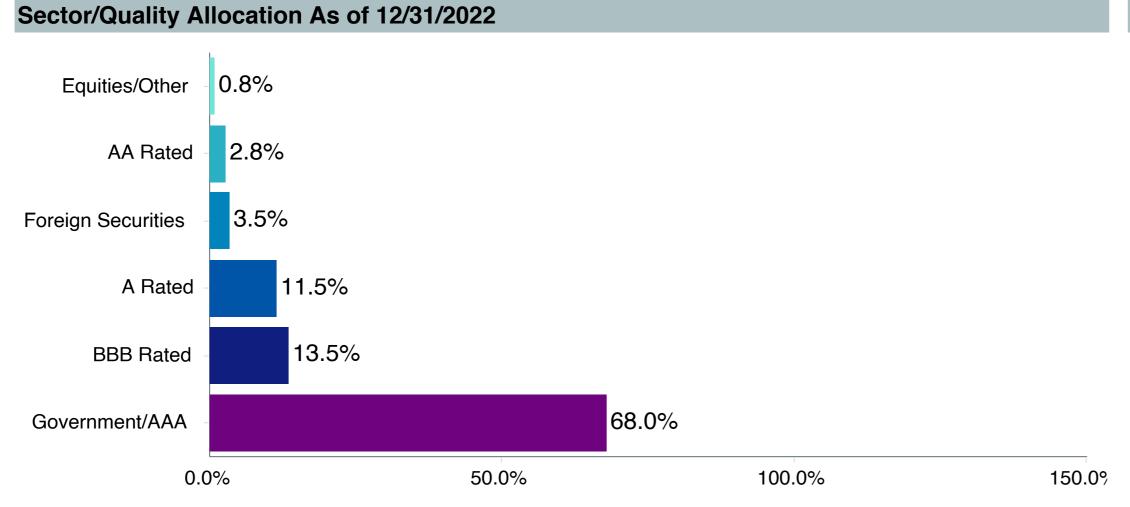
5 Years Historical Statistics										
	Active Return	Tracking Error	Information Ratio	R-Squared	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlation
Vanguard Total Bond Market Index Instl	0.05	0.31	0.16	1.00	-0.25	0.05	1.01	0.15	5.64	1.00
Blmbg. U.S. Aggregate	0.00	0.00	-	1.00	-0.26	0.00	1.00	0.10	5.59	1.00
FTSE 3 Month T-Bill	1.47	5.57	0.26	0.01	-	1.74	0.01	1.74	0.50	0.08

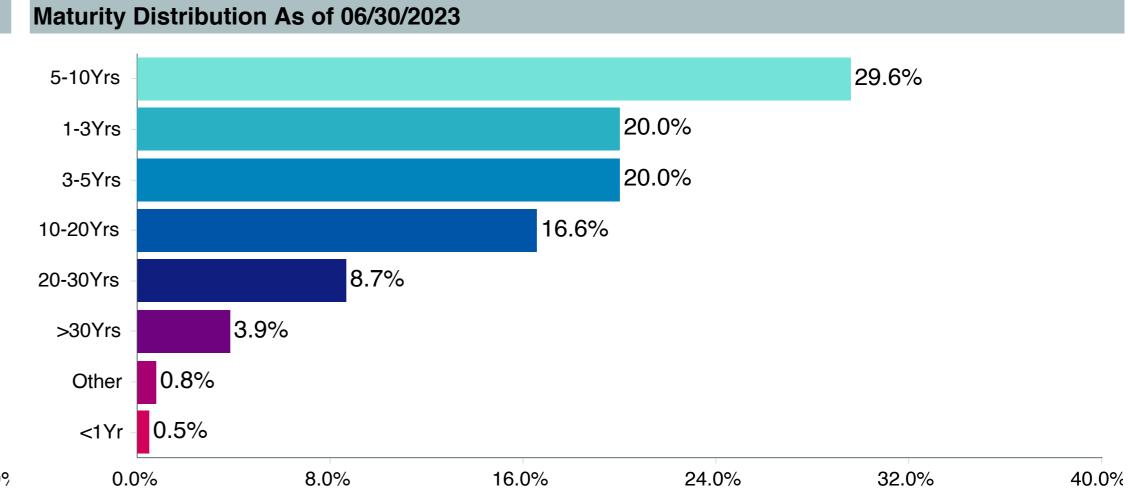


## **Mutual Fund Attributes**





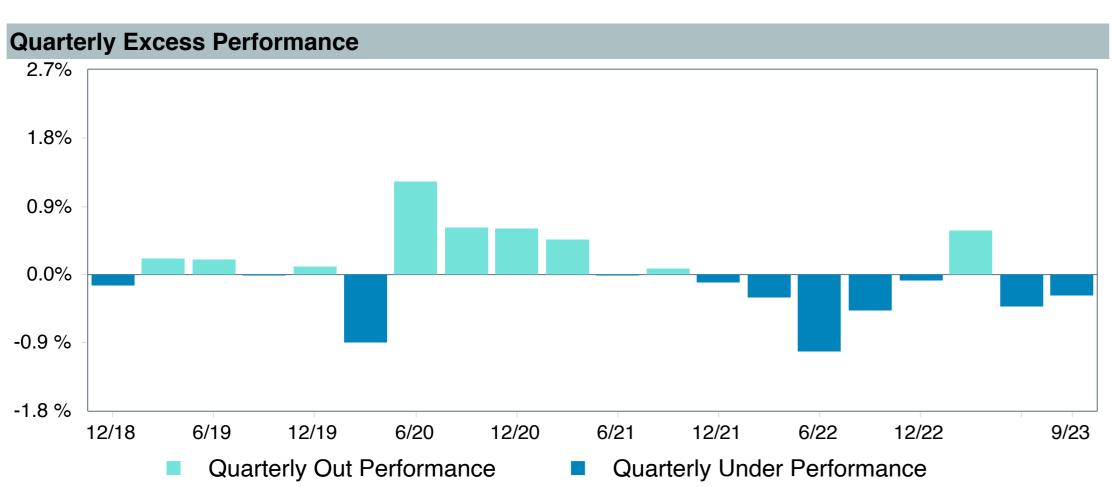


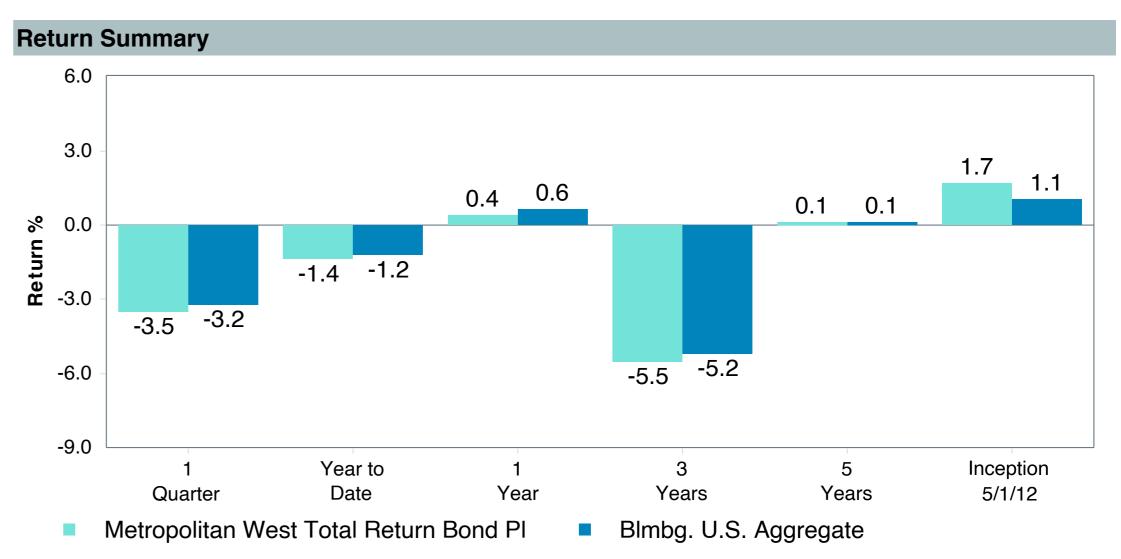


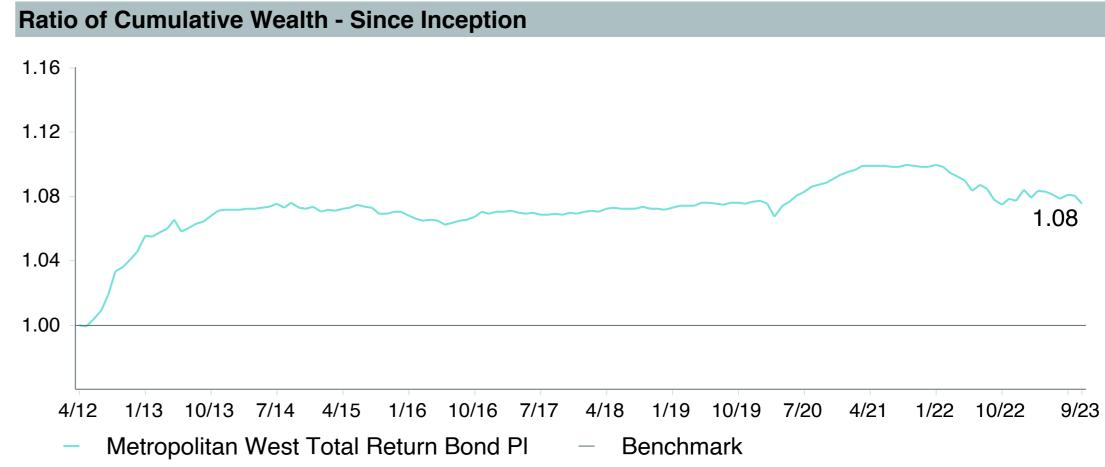


# Manager Performance Summary

<b>Account Information</b>	on
Product Name:	MetWest:Total Rtn;Plan (MWTSX)
Fund Family:	Metropolitan West Asset Management
Ticker:	MWTSX
Peer Group:	IM U.S. Broad Market Core+ Fixed Income (MF)
Benchmark:	Blmbg. U.S. Aggregate
Fund Inception:	07/29/2011
Portfolio Manager:	Team Managed
Total Assets:	\$16,842.40 Million
Total Assets Date:	09/30/2023
Gross Expense:	0.37%
Net Expense:	0.37%
Turnover:	426%

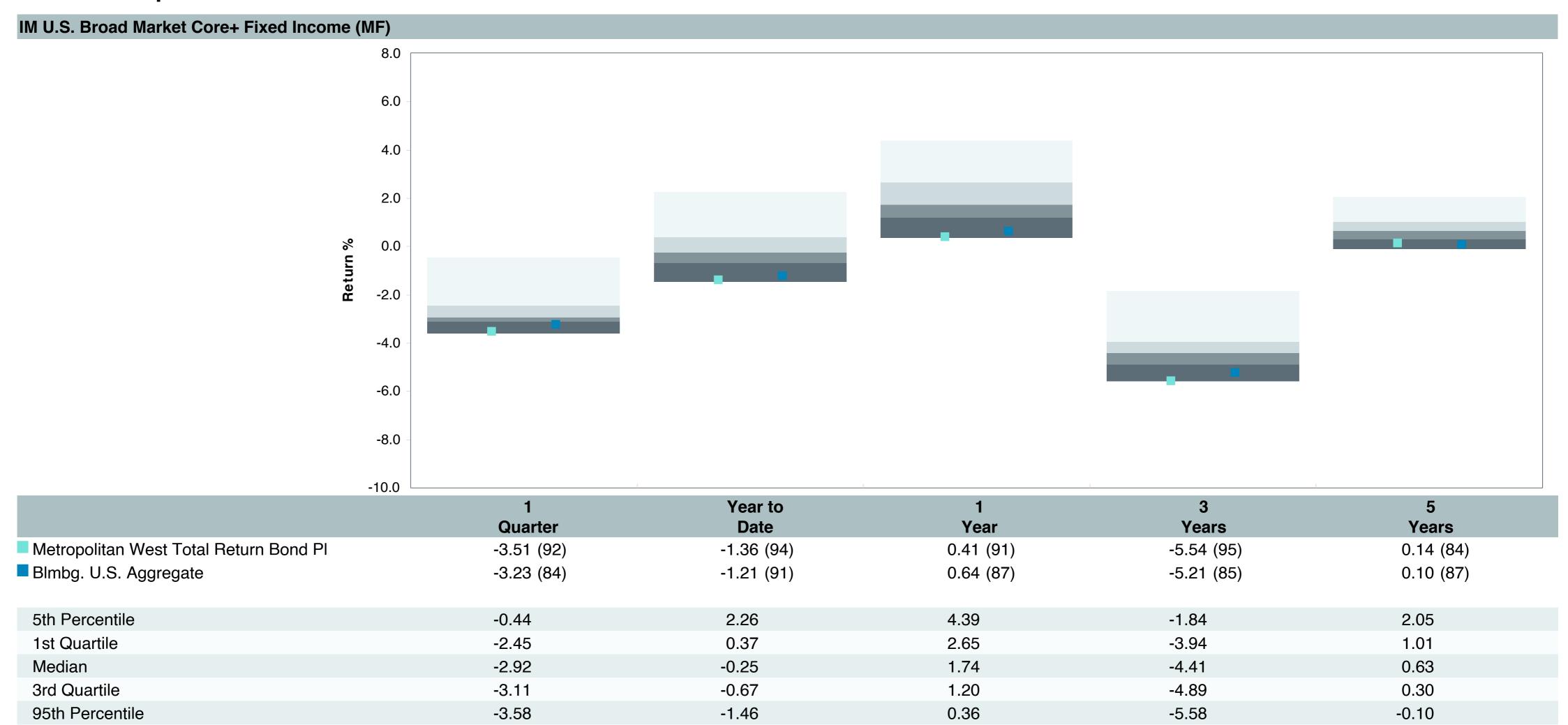




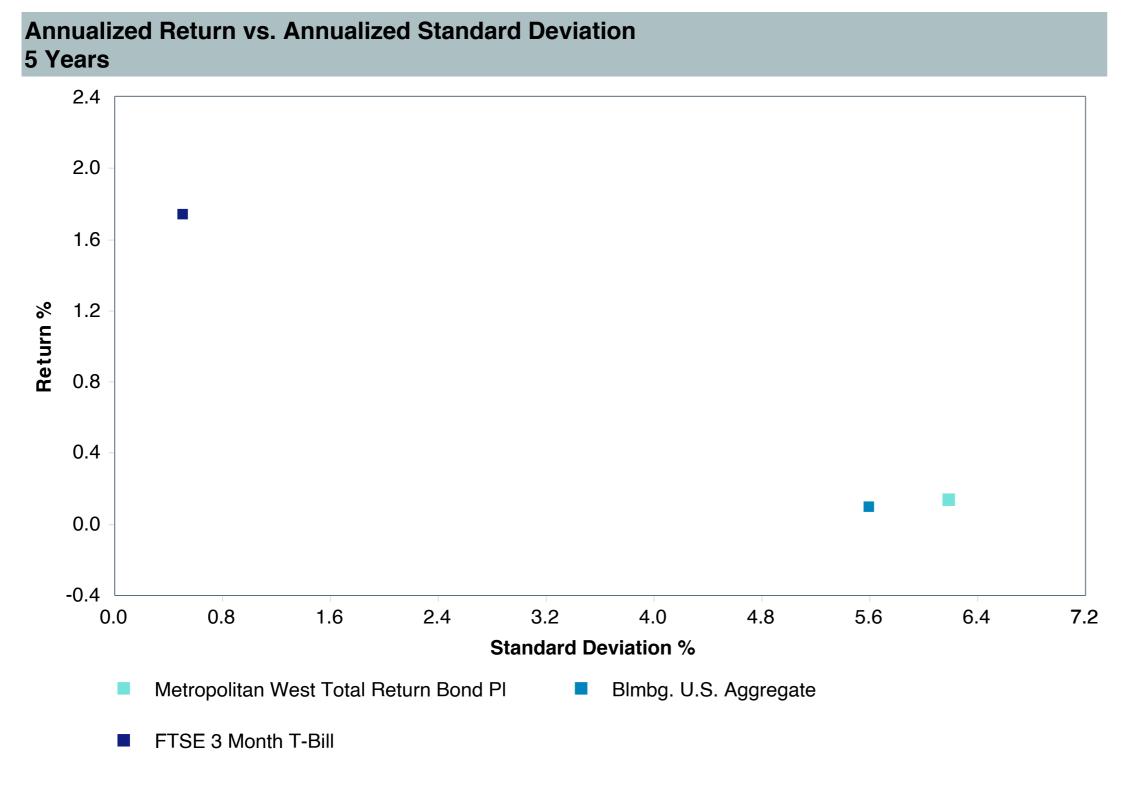


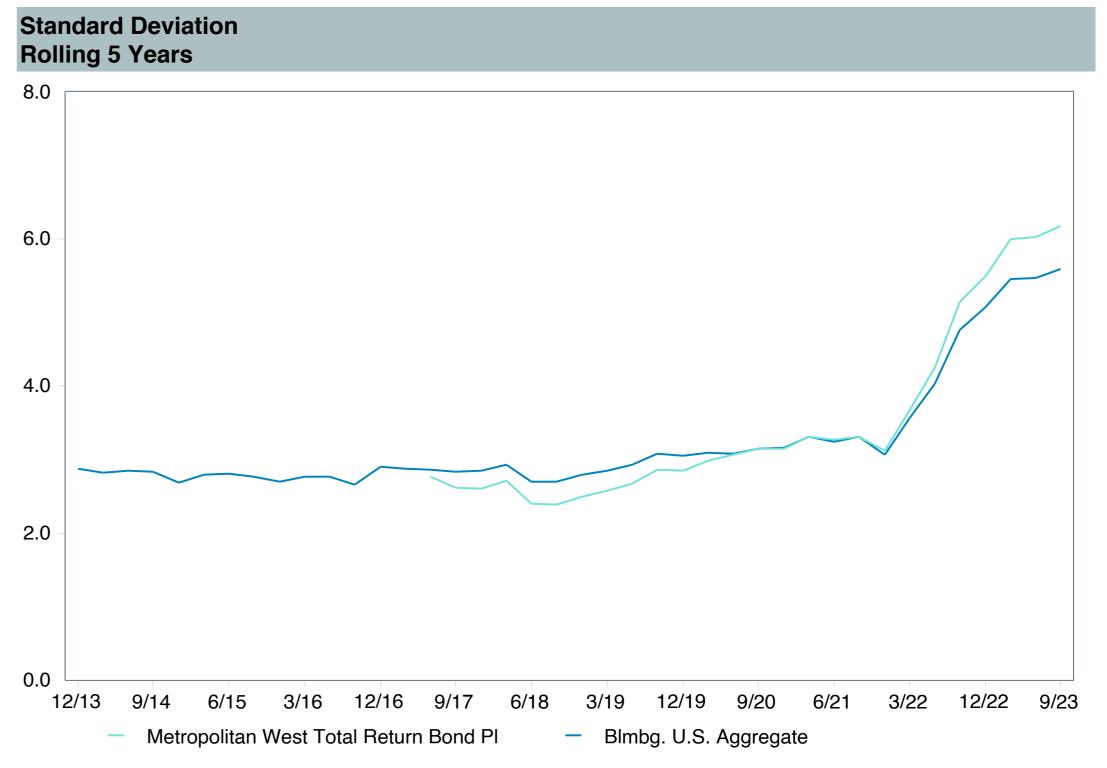


# Peer Group Analysis





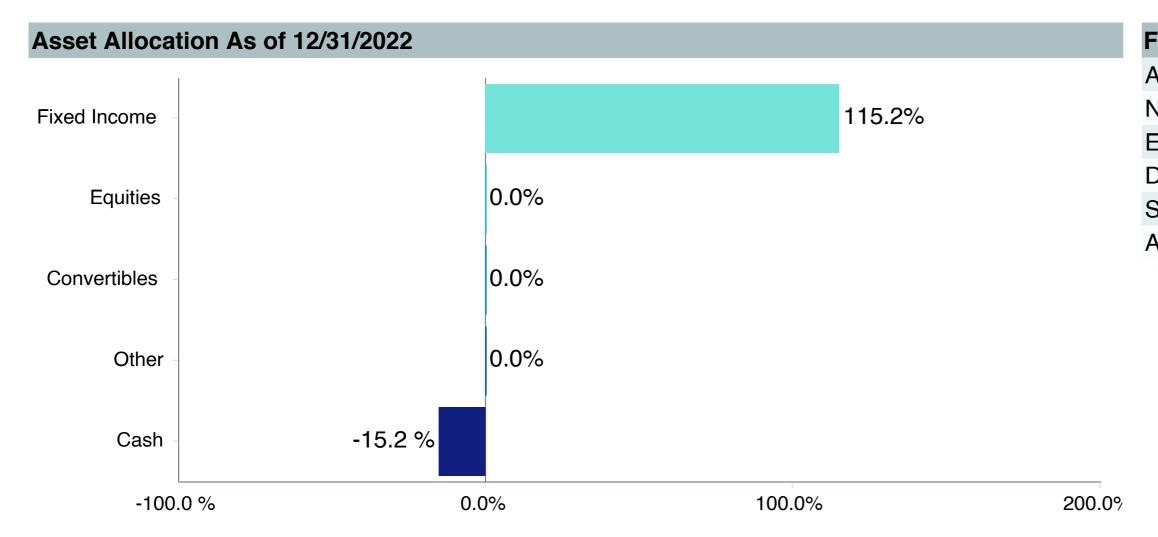




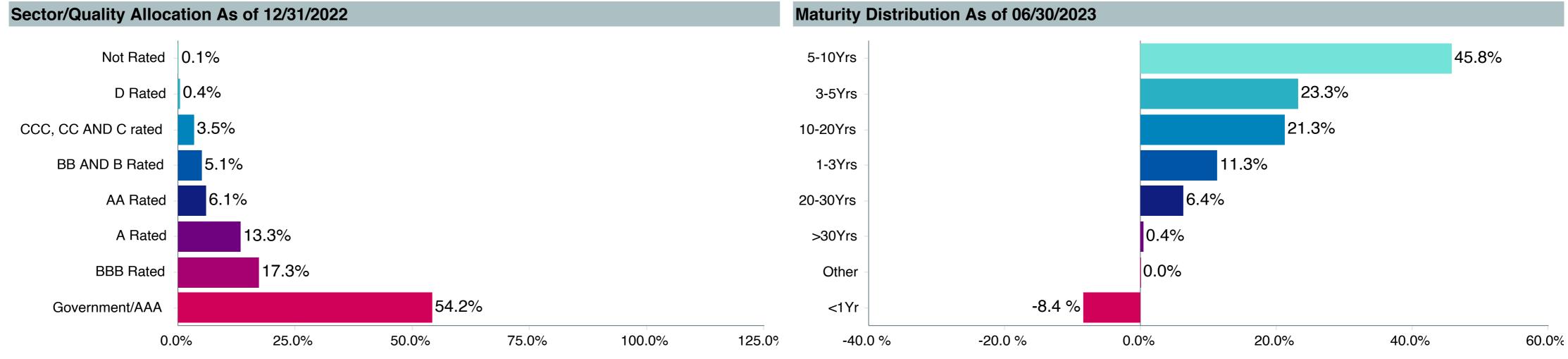
5 Years Historical Statistics										
	Active Return	Tracking Error	Information Ratio	R-Squared	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlation
Metropolitan West Total Return Bond Pl	0.07	0.91	0.08	0.99	-0.23	0.05	1.10	0.14	6.19	0.99
Blmbg. U.S. Aggregate	0.00	0.00	-	1.00	-0.26	0.00	1.00	0.10	5.59	1.00
FTSE 3 Month T-Bill	1.47	5.57	0.26	0.01	-	1.74	0.01	1.74	0.50	0.08



# **Mutual Fund Attributes**



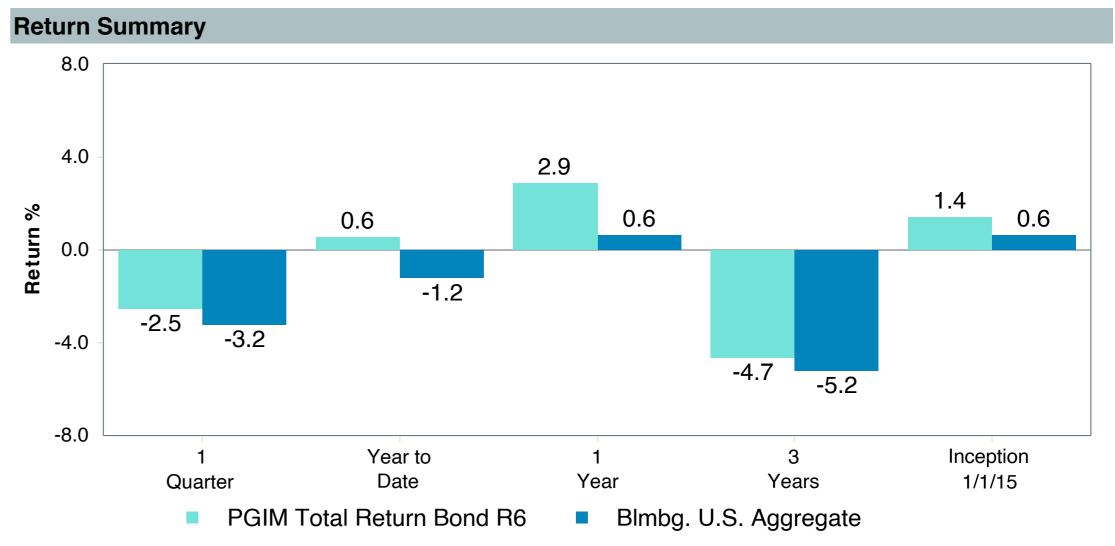
und Characteristics As of 06/30/2023					
Avg. Coupon	4.17 %				
Nominal Maturity	7.76 Years				
Effective Maturity	-				
Duration	7.13 Years				
SEC 30 Day Yield	-				
Avg. Credit Quality	AA				

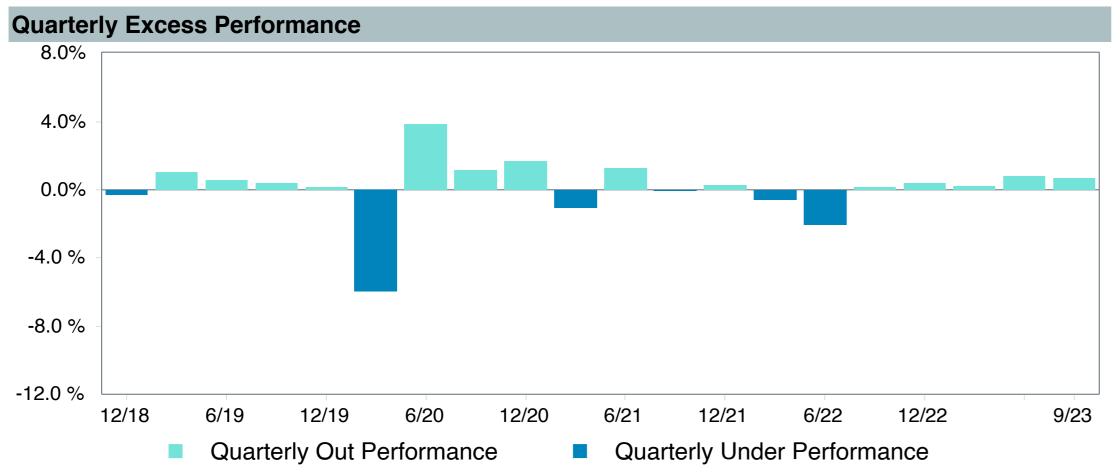


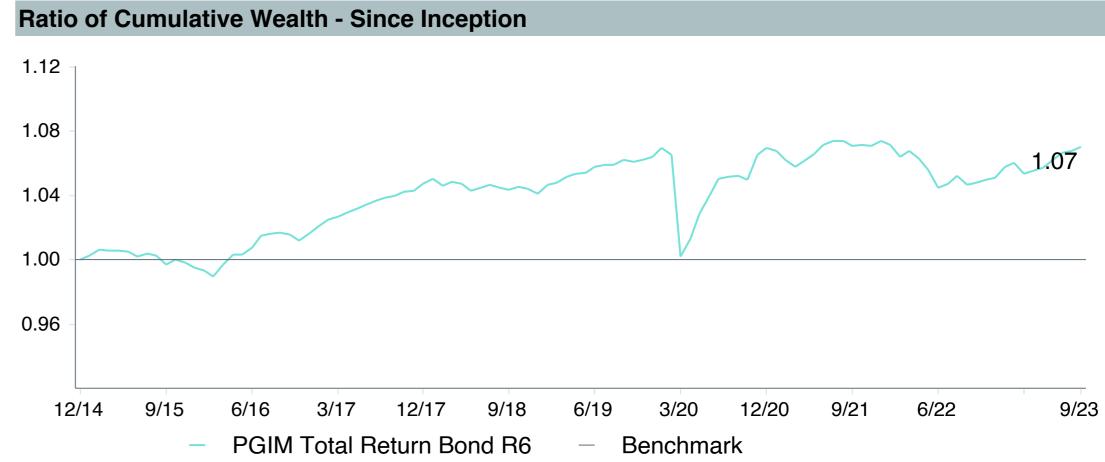


# Manager Performance Summary

<b>Account Information</b>	on
Product Name :	PGIM Tot Rtn Bond;R6 (PTRQX)
Fund Family:	PGIM Investments
Ticker:	PTRQX
Peer Group:	IM U.S. Broad Market Core+ Fixed Income (MF)
Benchmark:	Blmbg. U.S. Aggregate
Fund Inception:	12/27/2010
Portfolio Manager:	Team Managed
Total Assets:	\$19,759.20 Million
Total Assets Date:	09/30/2023
Gross Expense:	0.40%
Net Expense :	0.39%
Turnover:	130%

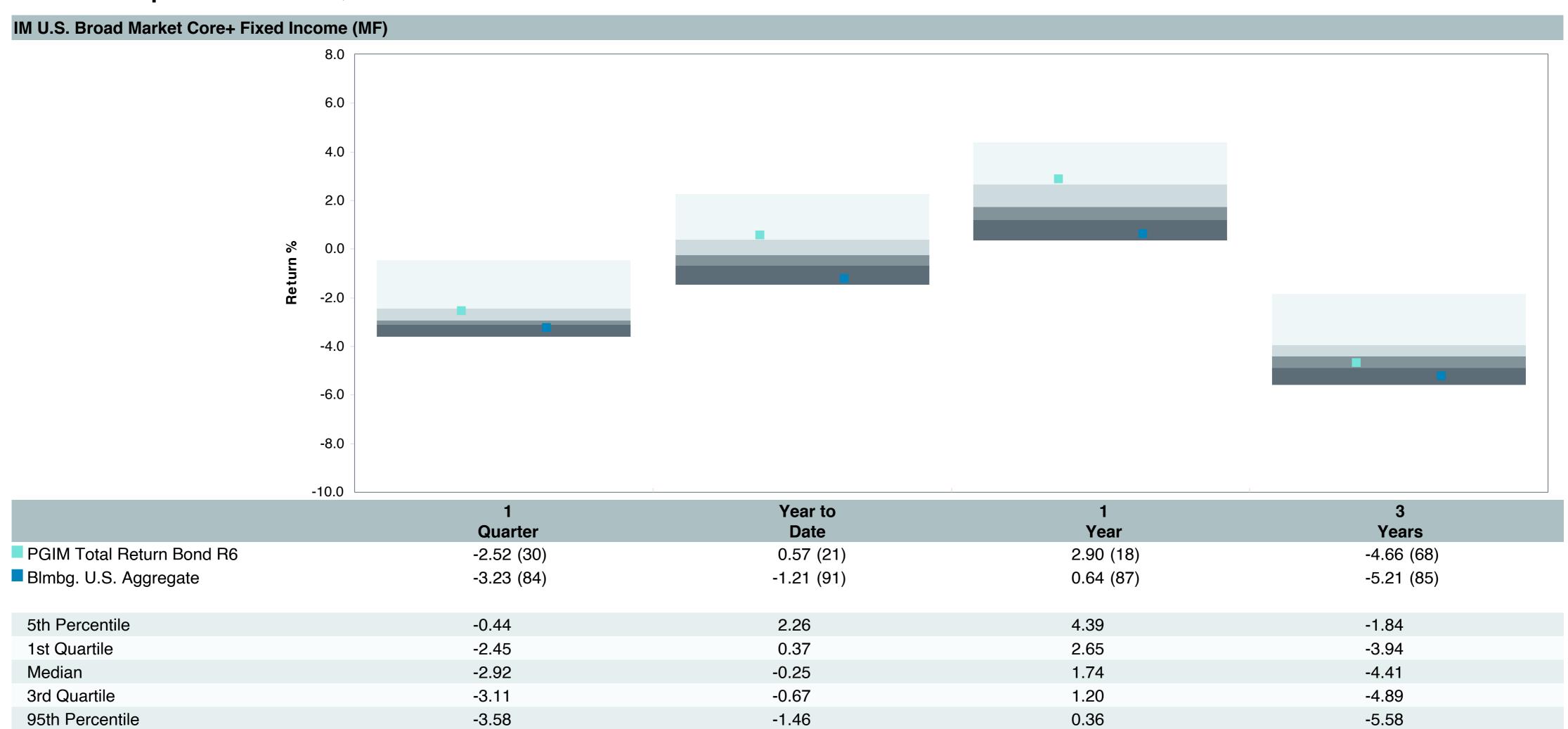




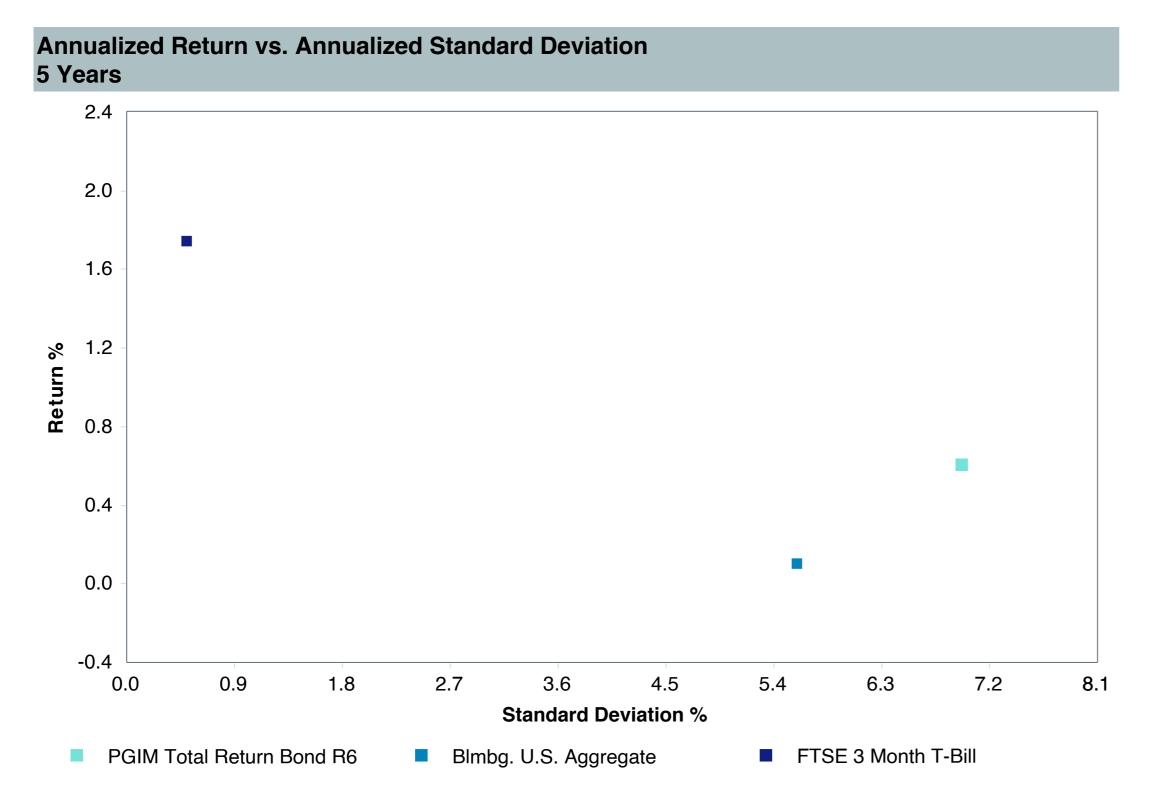


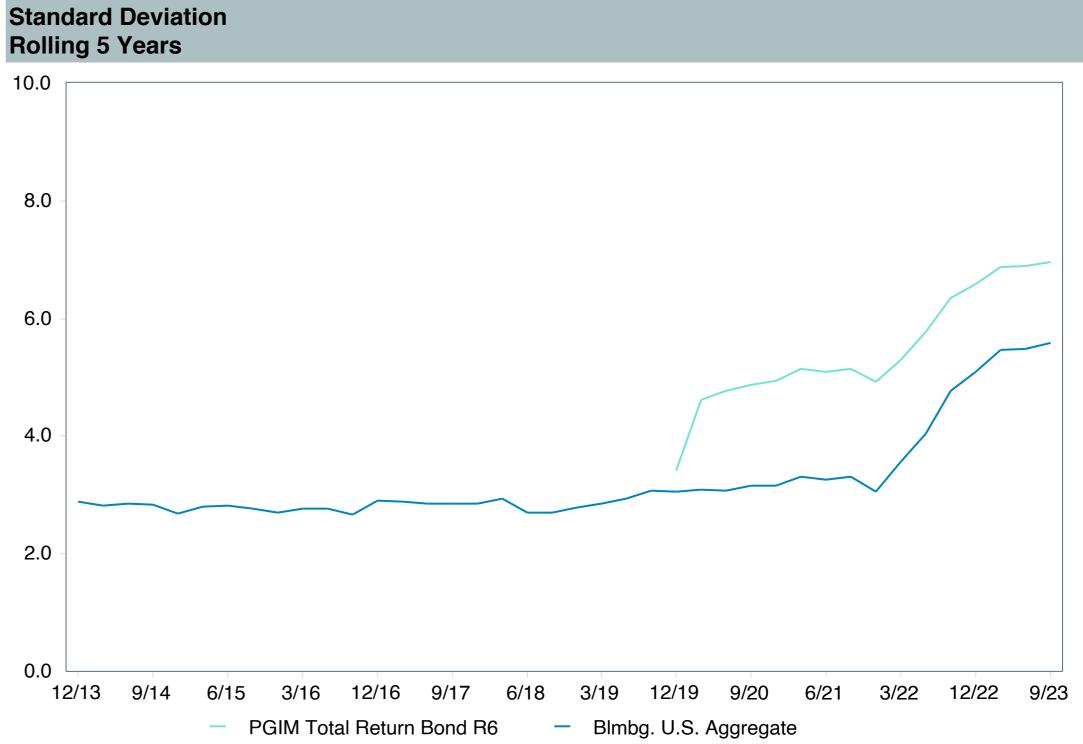


# Peer Group Analysis





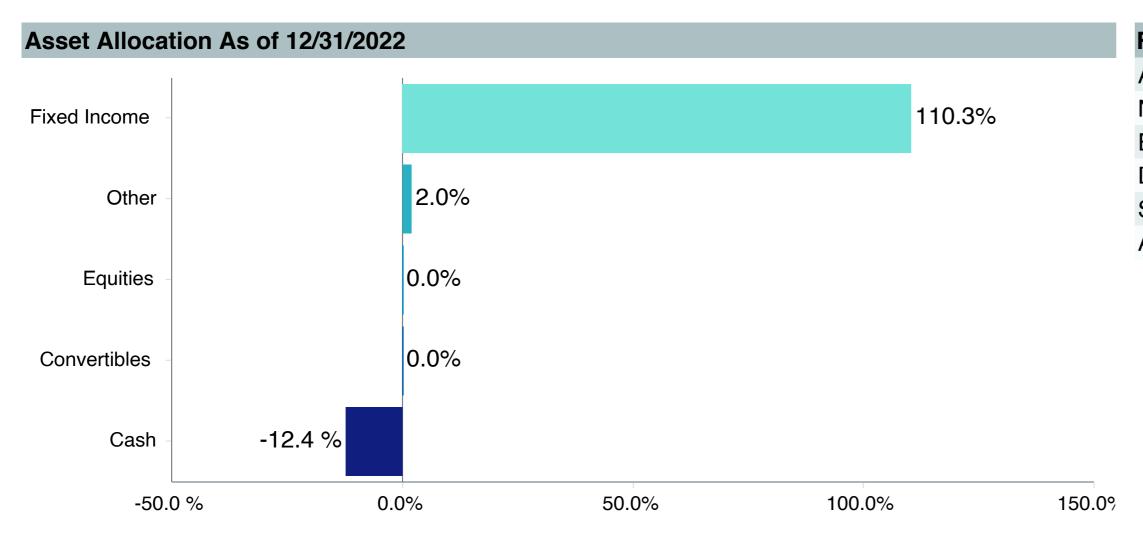




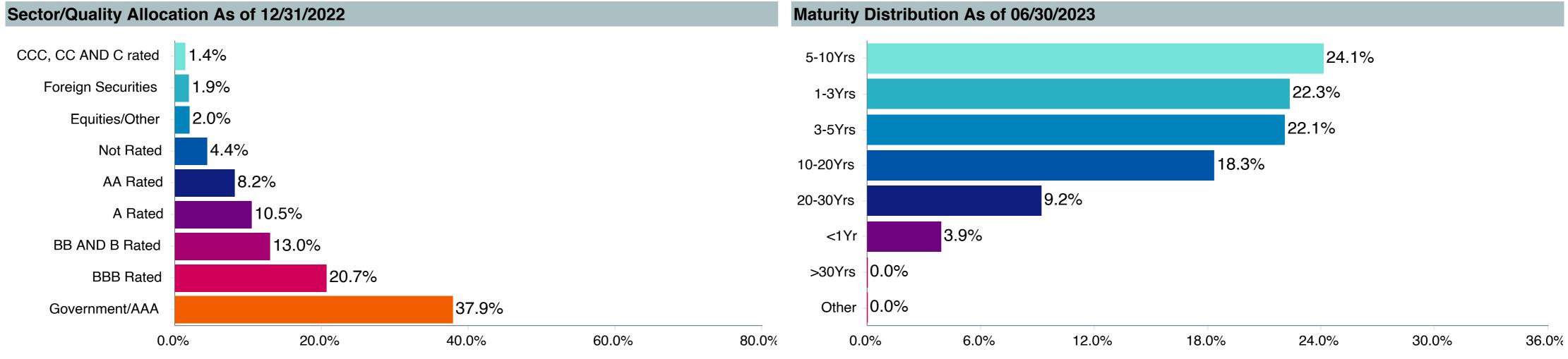
5 Years Historical Statistics										
	Active Return	Tracking Error	Information Ratio	R-Squared	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlation
PGIM Total Return Bond R6	0.59	3.20	0.19	0.80	-0.13	0.56	1.11	0.61	6.97	0.89
Blmbg. U.S. Aggregate	0.00	0.00	-	1.00	-0.26	0.00	1.00	0.10	5.59	1.00
FTSE 3 Month T-Bill	1.47	5.57	0.26	0.01	-	1.74	0.01	1.74	0.50	0.08



# **Mutual Fund Attributes**



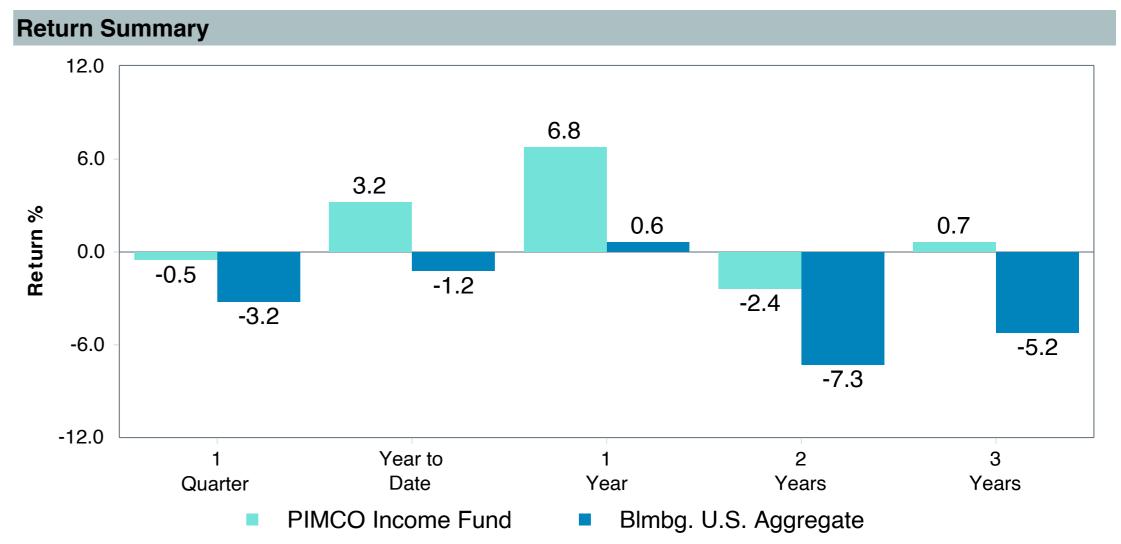
und Characteristics As of 06/30/2023					
Avg. Coupon	3.69 %				
Nominal Maturity	8.90 Years				
Effective Maturity	<u>-</u>				
Duration	6.10 Years				
SEC 30 Day Yield	-				
Avg. Credit Quality	AA				

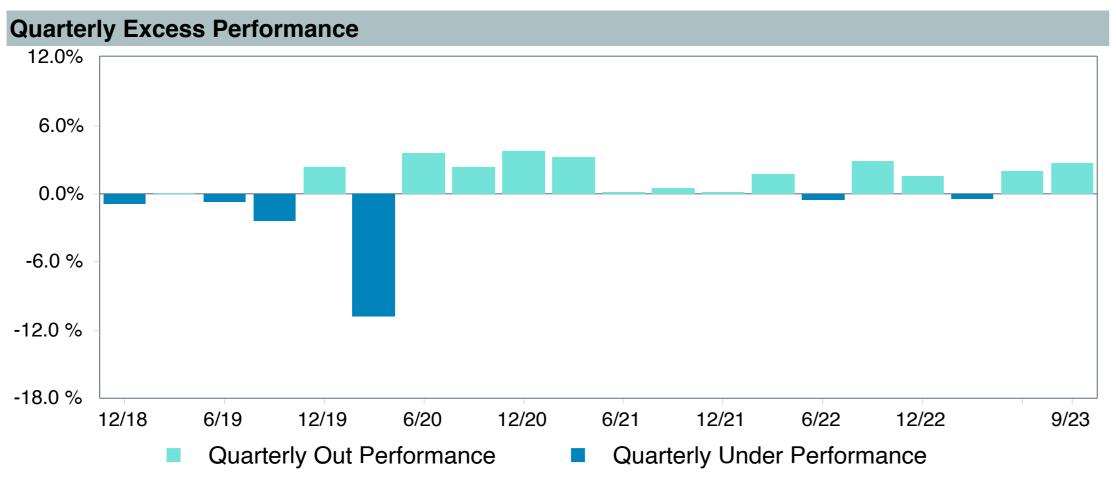


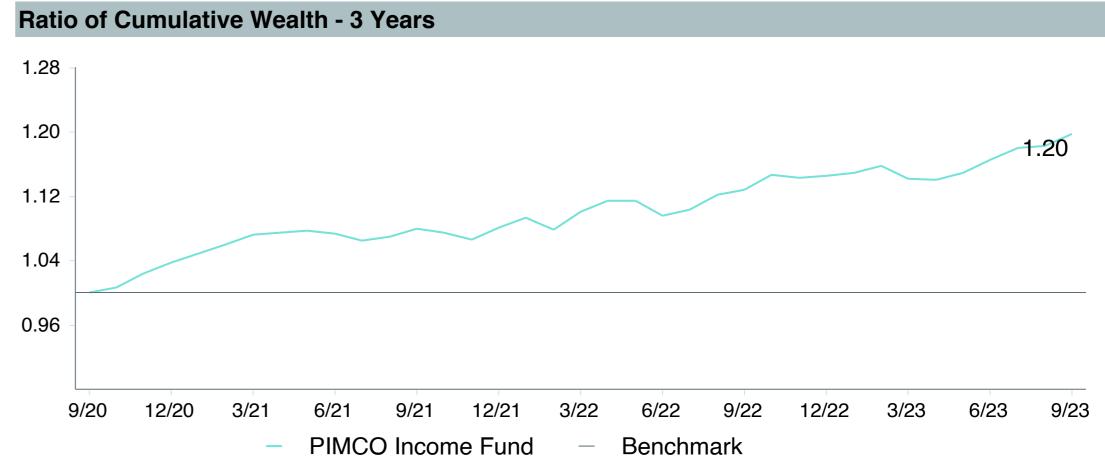


# Manager Performance Summary

<b>Account Information</b>	on
Product Name:	PIMCO:Income;Inst (PIMIX)
Fund Family:	PIMCO
Ticker:	PIMIX
Peer Group:	IM Multi-Sector General Bond (MF)
Benchmark:	Blmbg. U.S. Aggregate
Fund Inception:	03/30/2007
Portfolio Manager:	Ivascyn/Murata/Anderson
Total Assets:	\$75,756.70 Million
Total Assets Date :	09/30/2023
Gross Expense:	0.62%
Net Expense :	0.62%
Turnover:	426%

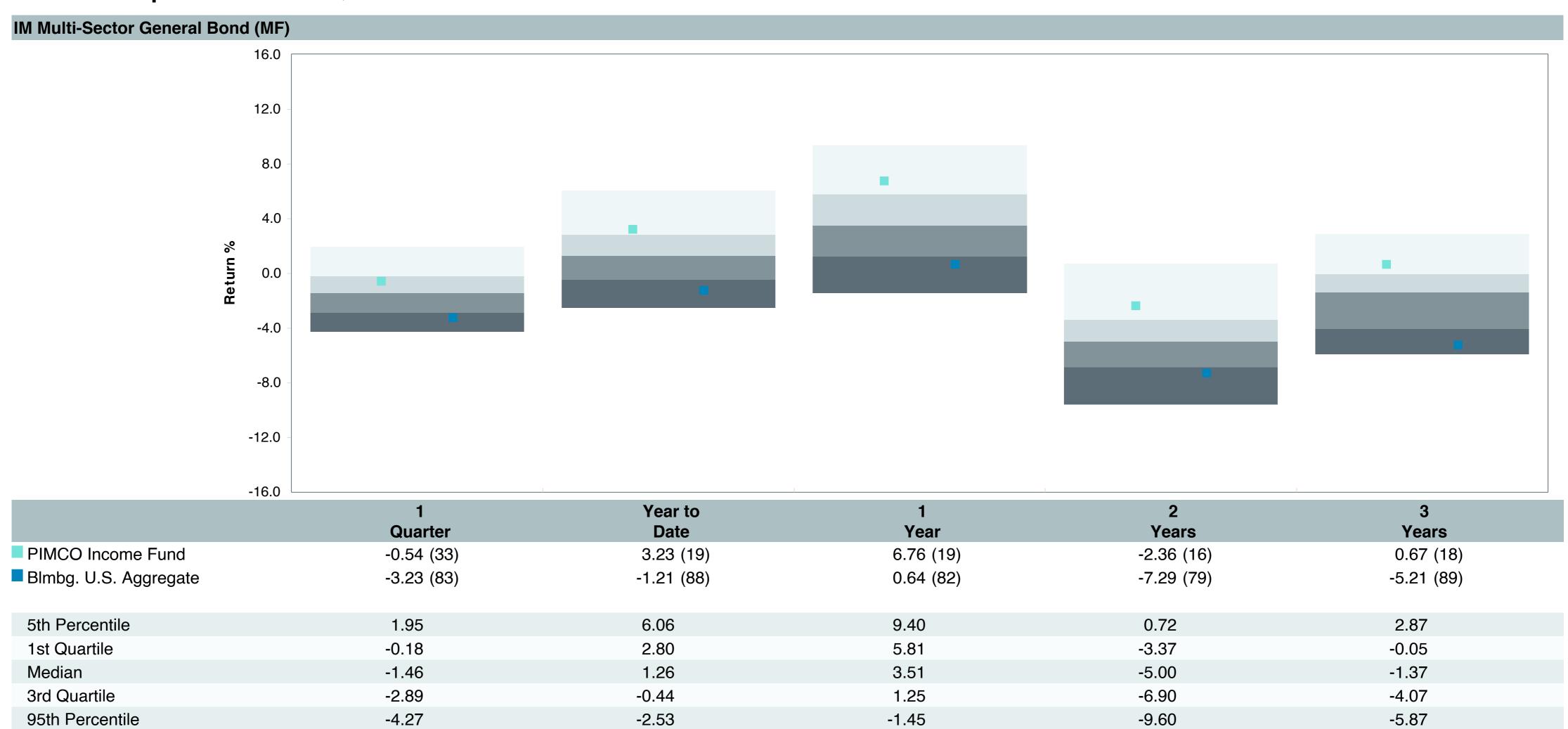




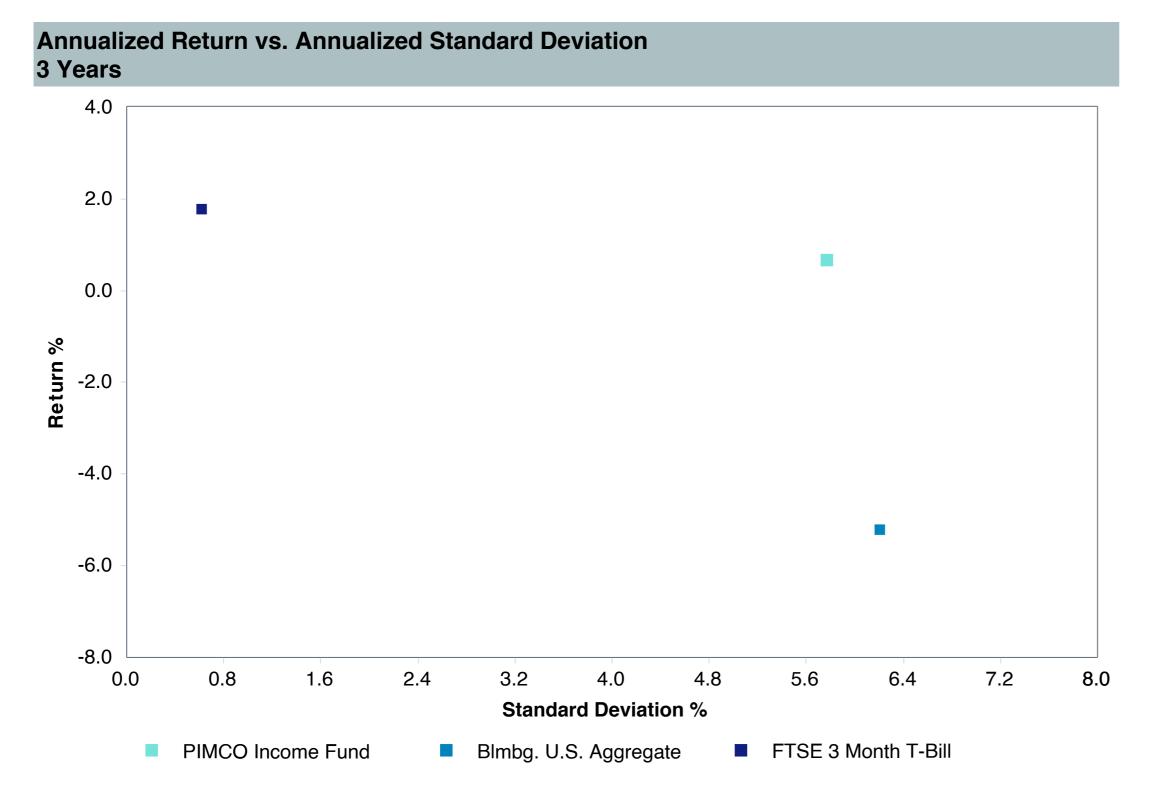




# Peer Group Analysis





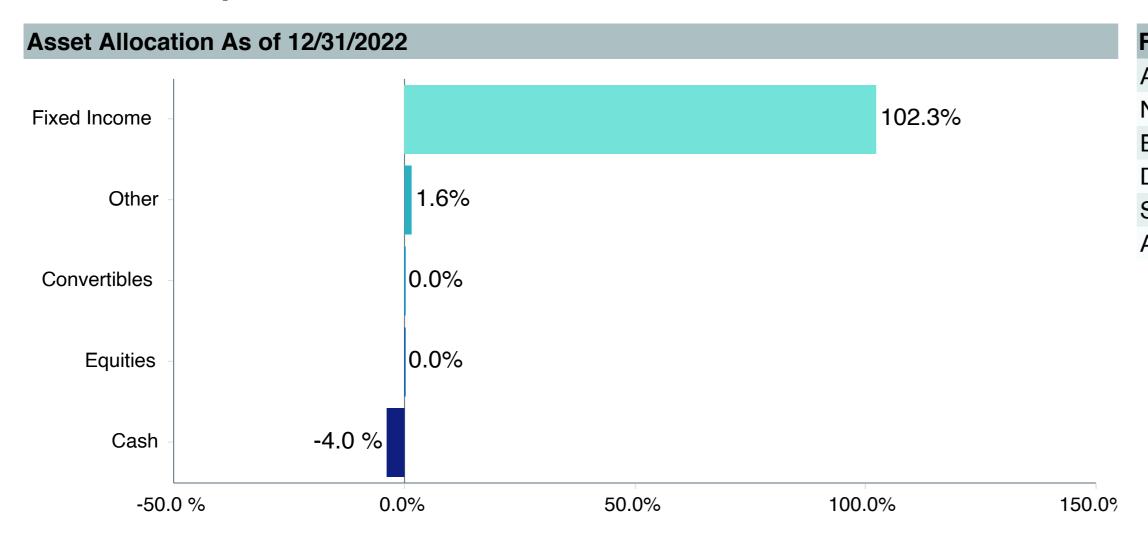


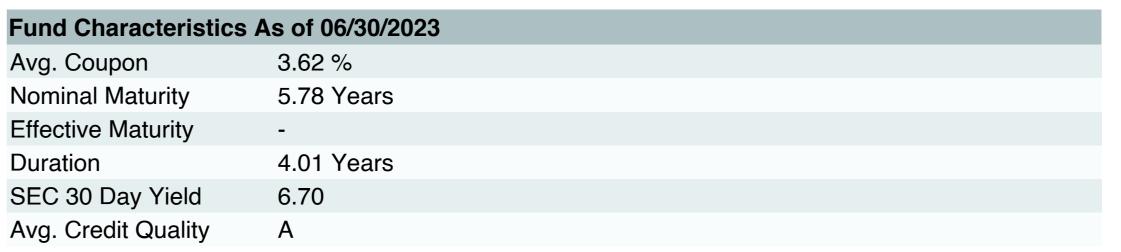


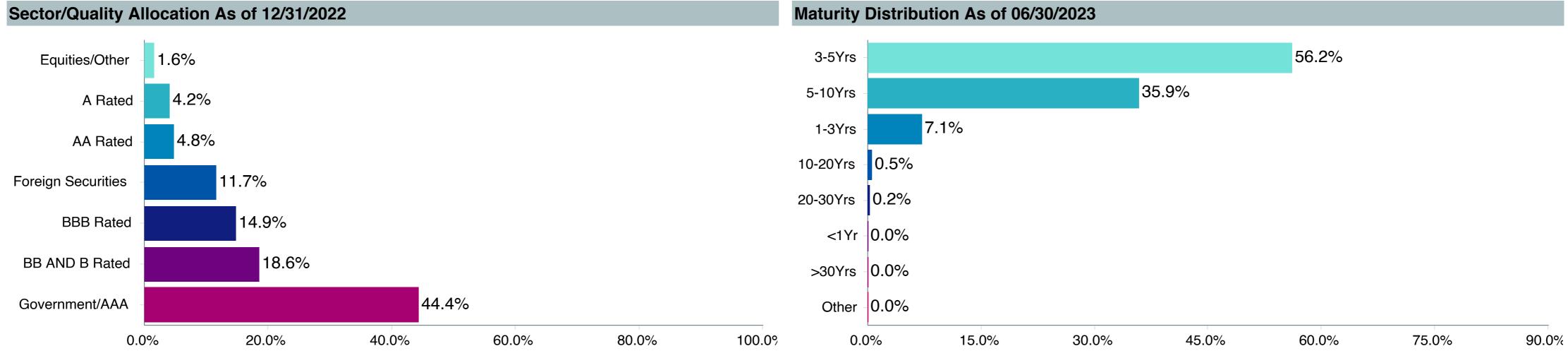
3 Years Historical Statistics										
	Active Return	Tracking Error	Information Ratio	R-Squared	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlation
PIMCO Income Fund	5.97	3.19	1.87	0.74	-0.16	5.06	0.80	0.67	5.77	0.86
Blmbg. U.S. Aggregate	0.00	0.00	-	1.00	-1.12	0.00	1.00	-5.21	6.20	1.00
FTSE 3 Month T-Bill	6.91	6.18	1.12	0.01	-	1.83	0.01	1.78	0.62	0.09



## **Mutual Fund Attributes**







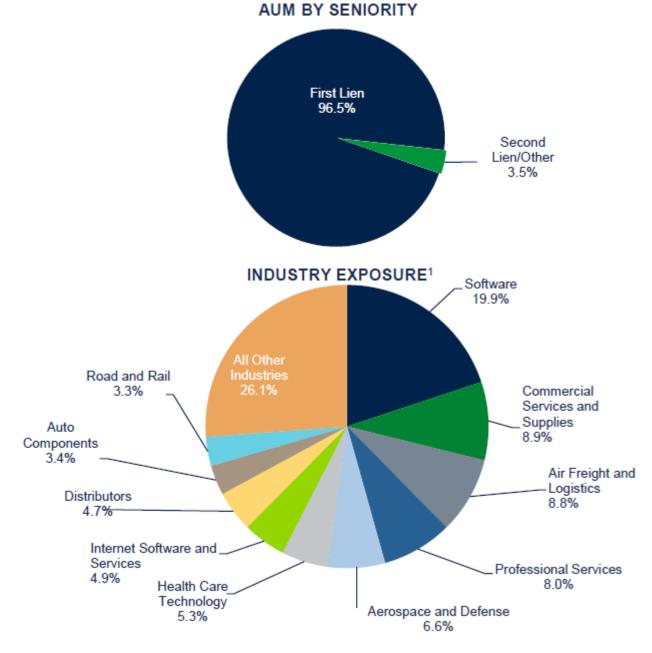


#### **Barings NA Private Debt Fund**

As of June 30, 2023

GEOGRAPHIC EXPOSURE (COUNTRY OF RISK)				
United States	97.60%			
Canada	2.40%			

CURRENT PORTFOLIO OVERVIEW				
Running Unleveraged Cash Yield	11.6%			
EBITDA (at Close)	\$66.2 MM			
Loan to Value (at Close)	38.9%			
Interest Coverage	2.3x			
Asset Leverage (at Close)	5.0x			
Unique Issuer Count	108			
Portfolio Carrying Value	\$429.0 MM			





ngs

**U.S. Equity** 

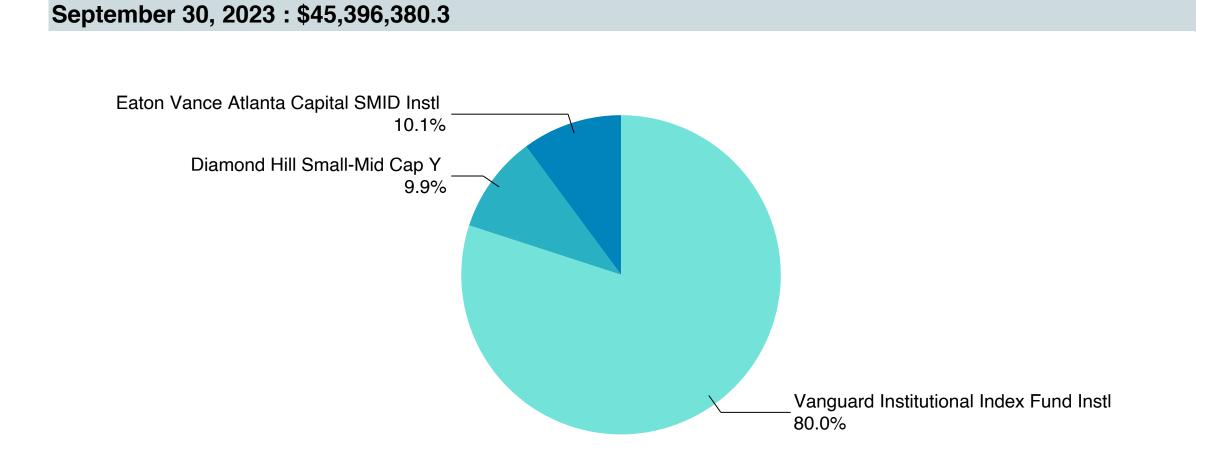




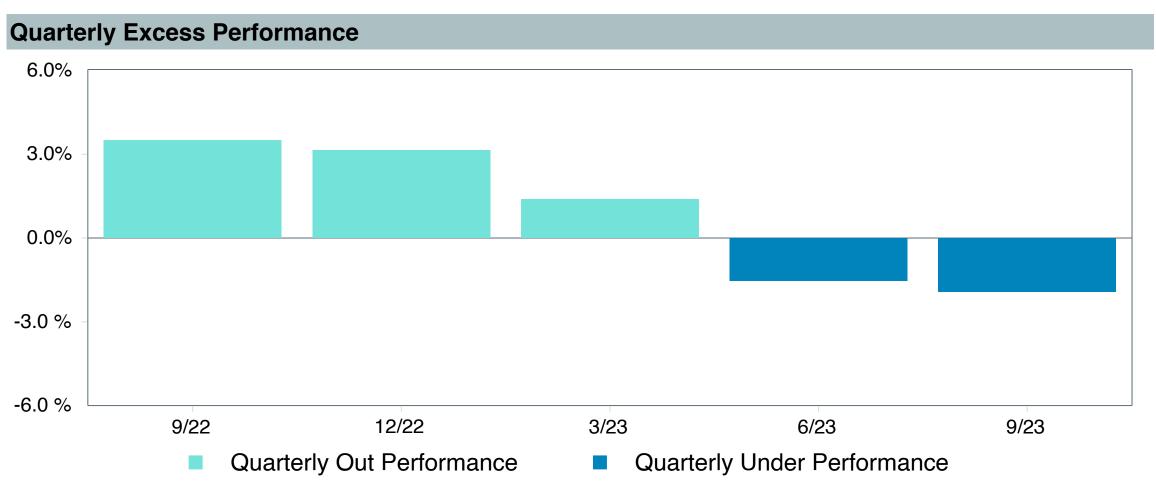
# **Composite Portfolio Overview**

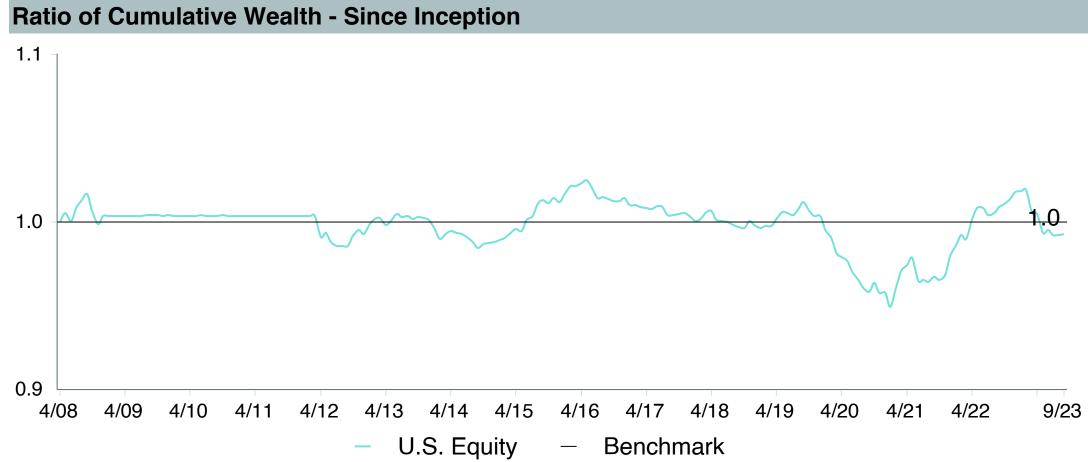
As of September 30, 2023

**Current Allocation** 





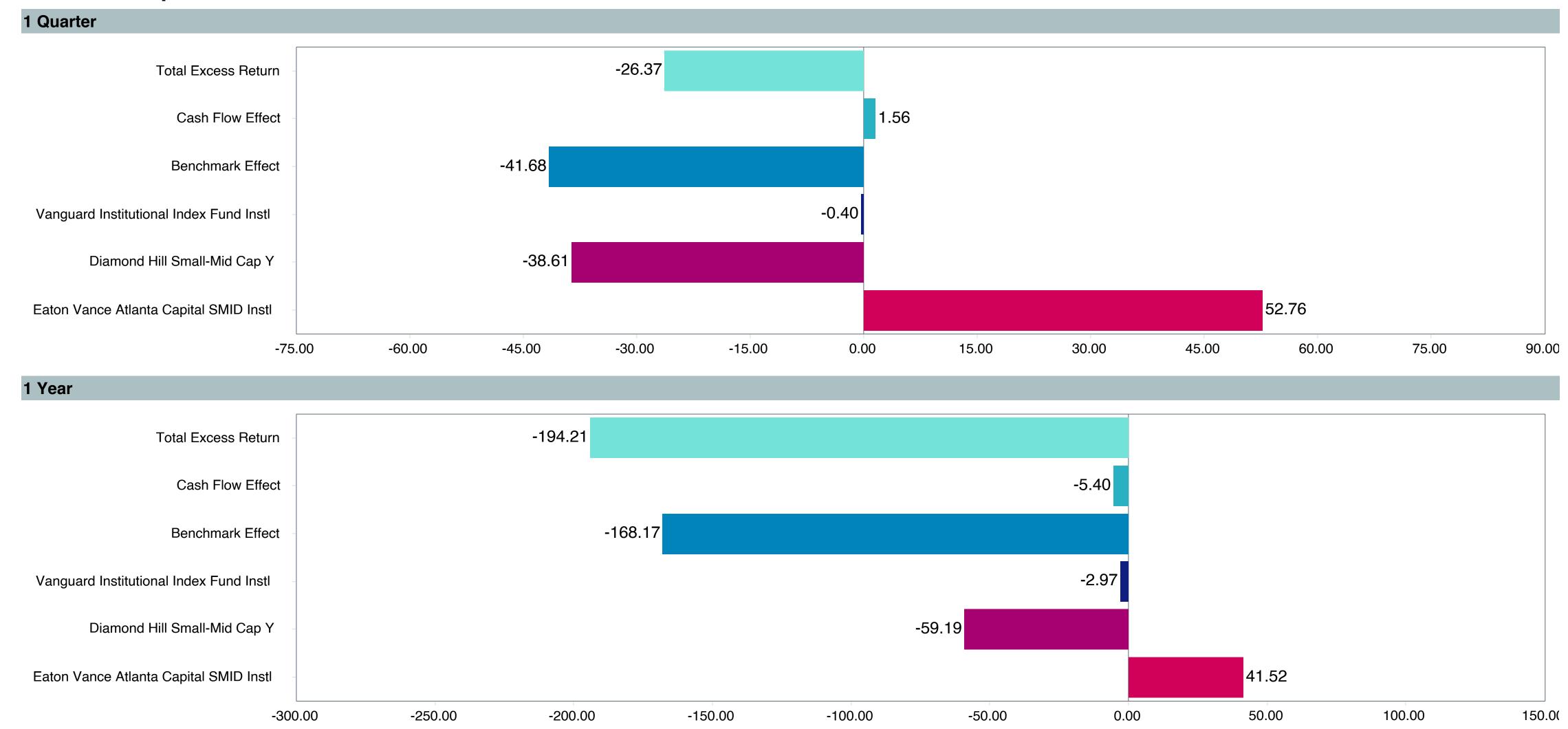




Vanguard Spliced Total Stock Market Index



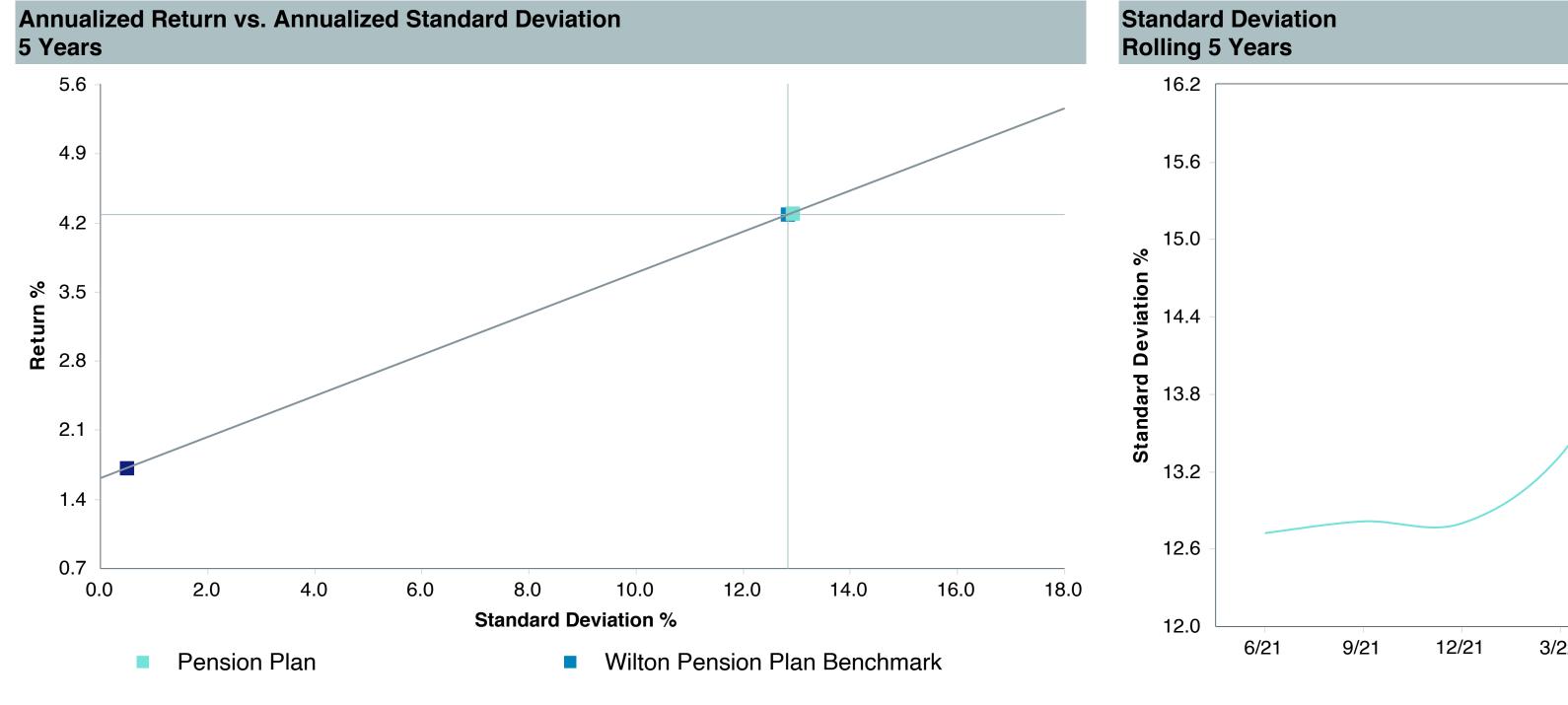
# **Asset Class Attribution**

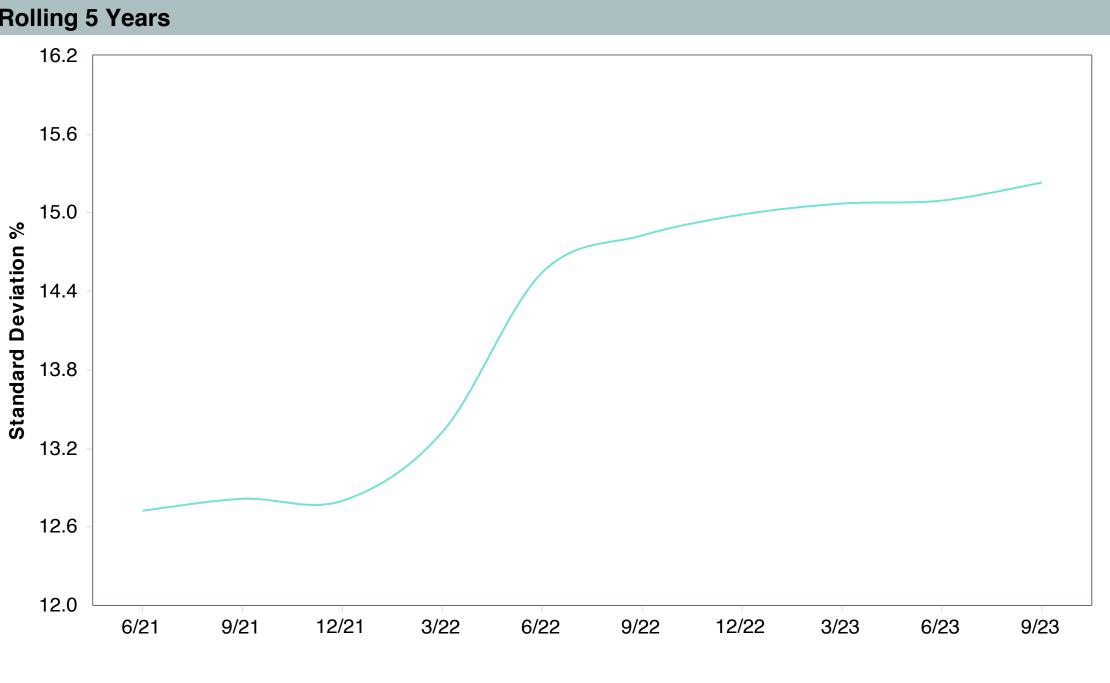




### As of September 30, 2023

90 Day U.S. Treasury Bill





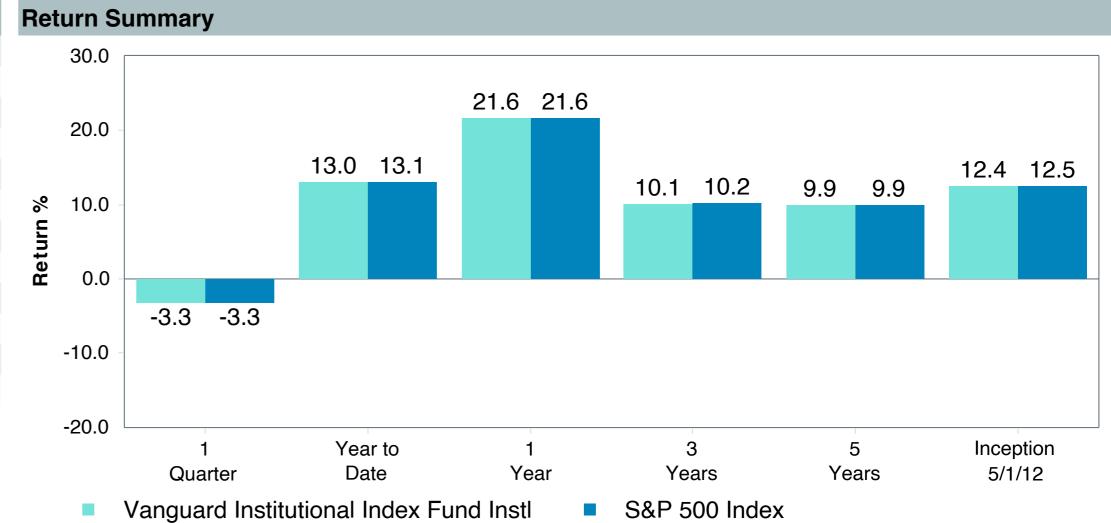
Pension Plan

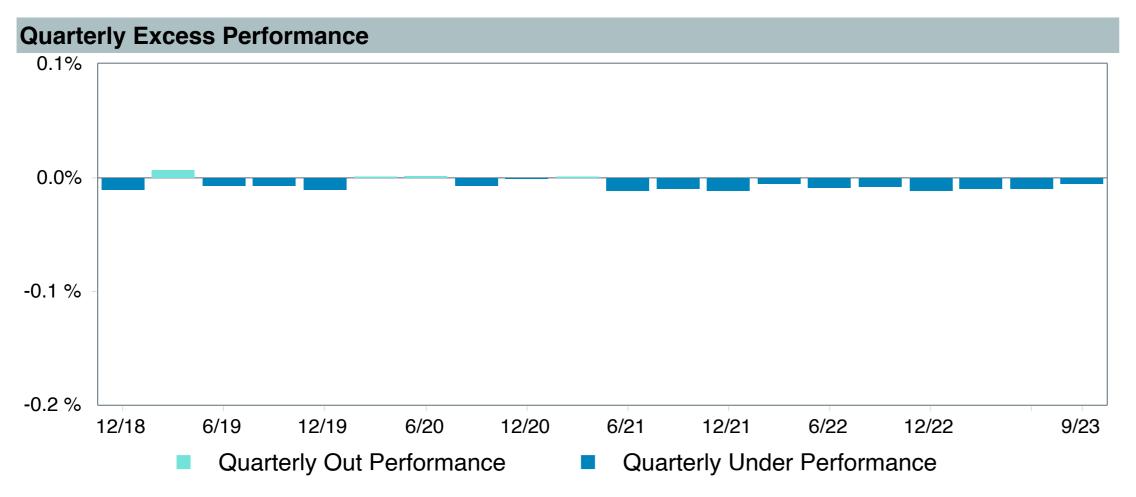
**5 Years Historical Statistics** Information **Tracking** Standard **Actual Active** Sharpe **R-Squared Alpha** Beta Return Ratio Ratio **Deviation Correlation** Return **Error** 0.26 0.99 **Pension Plan** 0.02 1.58 0.01 0.99 0.03 1.00 4.29 12.93 0.26 Wilton Pension Plan Benchmark 0.00 0.00 0.00 1.00 4.29 12.84 1.00 1.00 90 Day U.S. Treasury Bill -3.32 0.01 1.74 0.50 12.91 -0.26 0.00 1.72 -0.11

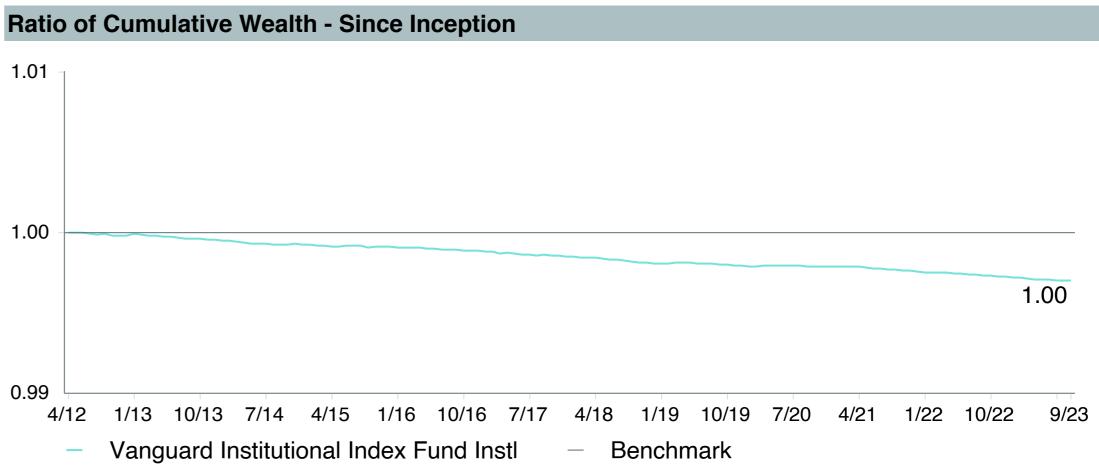


# Manager Performance Summary

<b>Account Information</b>	on
Product Name:	Vanguard Instl Indx;Inst (VINIX)
Fund Family:	Vanguard
Ticker:	VINIX
Peer Group:	IM S&P 500 Index (MF)
Benchmark:	S&P 500 Index
Fund Inception:	07/31/1990
Portfolio Manager:	Butler/Louie/Birkett
Total Assets:	\$107,847.90 Million
Total Assets Date:	08/31/2023
Gross Expense:	0.04%
Net Expense:	0.04%
Turnover:	3%

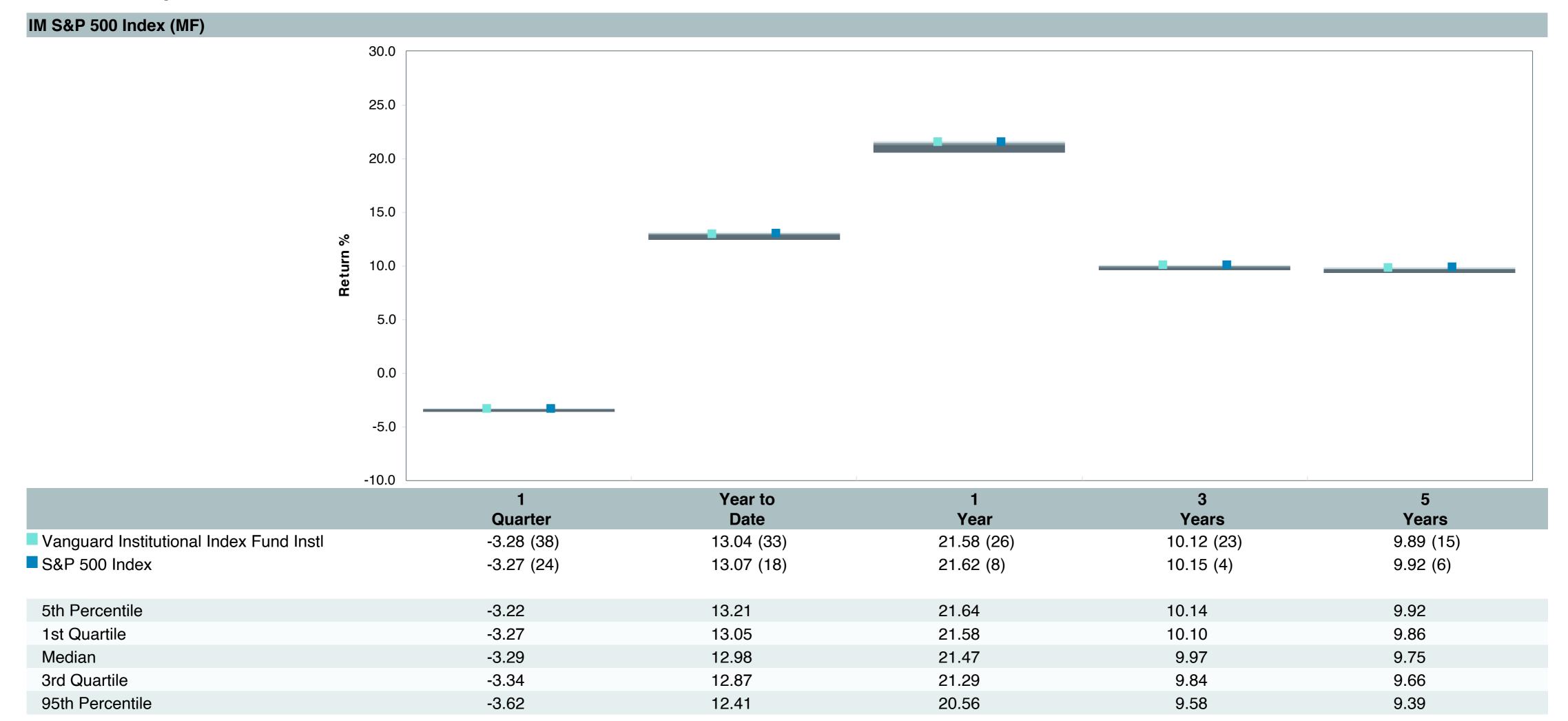




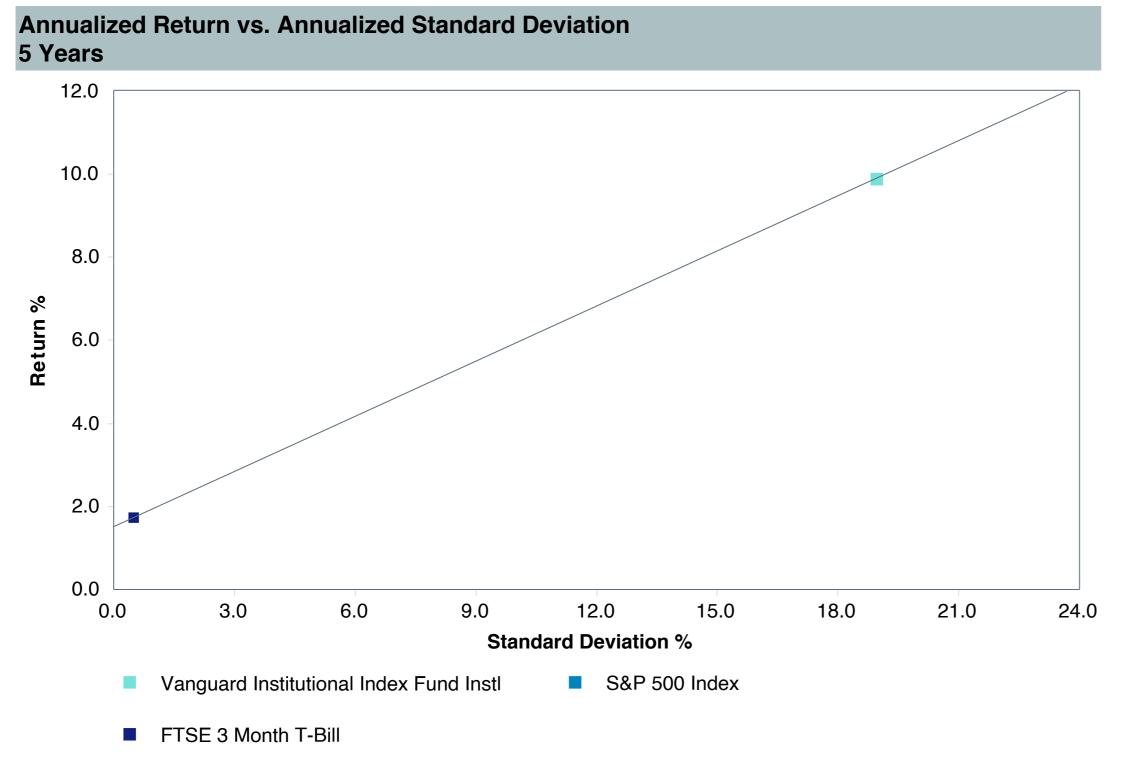


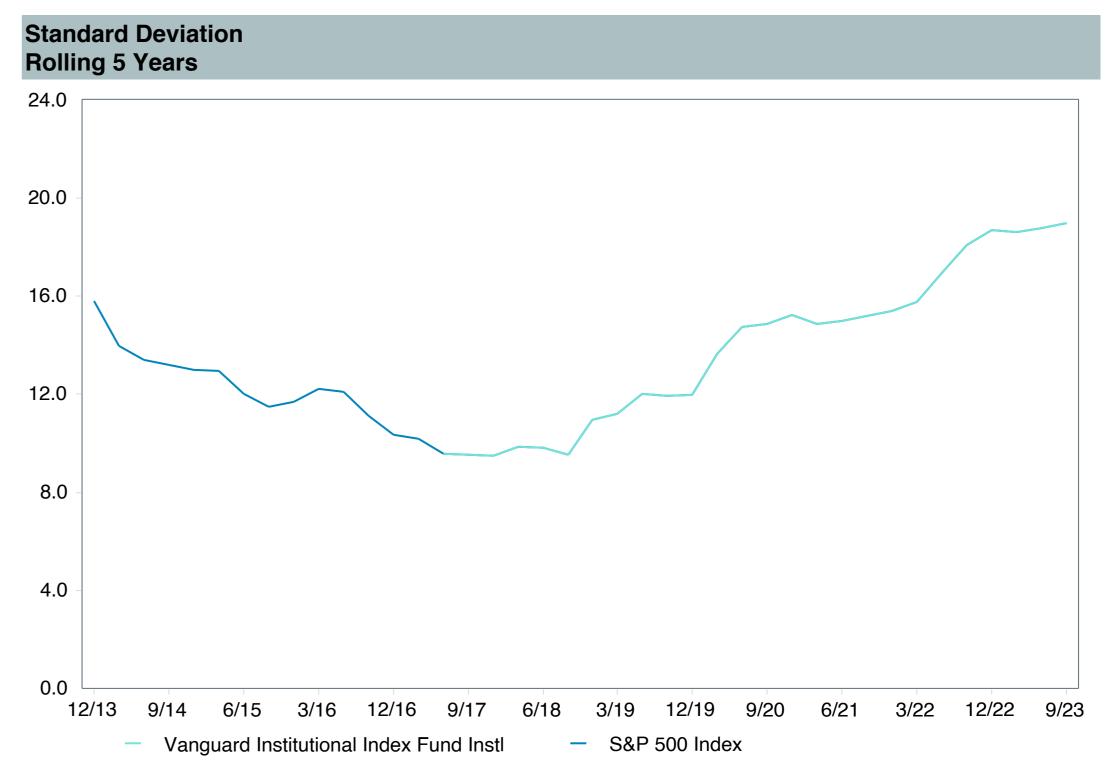


# Peer Group Analysis





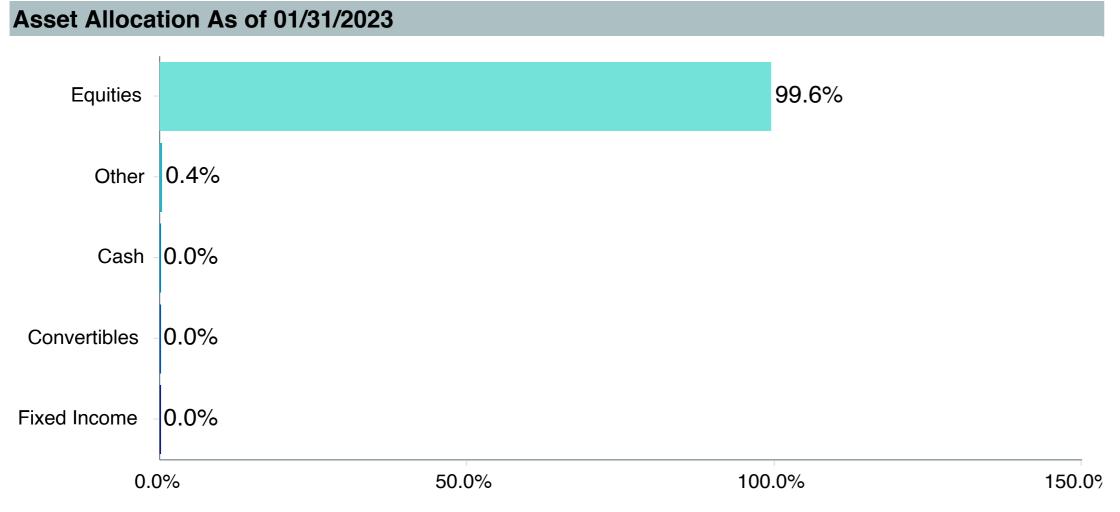




5 Years Historical Statistics										
	Active Return	Tracking Error	Information Ratio	R-Squared	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlation
Vanguard Institutional Index Fund Instl	-0.02	0.01	-2.57	1.00	0.50	-0.02	1.00	9.89	18.97	1.00
S&P 500 Index	0.00	0.00	-	1.00	0.50	0.00	1.00	9.92	18.97	1.00
FTSE 3 Month T-Bill	-9.54	19.00	-0.50	0.00	-	1.76	0.00	1.74	0.50	-0.04

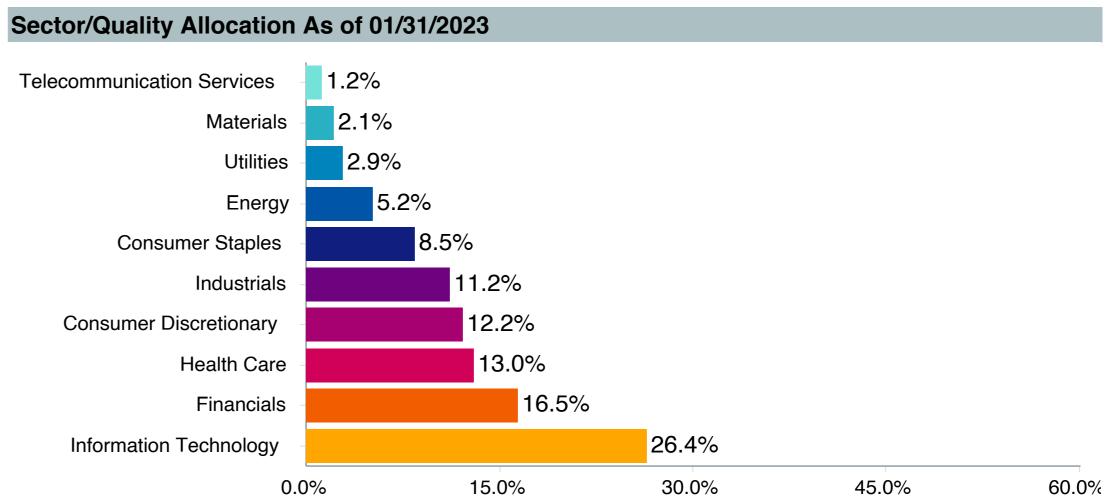


# **Mutual Fund Attributes**



Fund Characteristic	cs As of 01/31/2023	
Total Securities	505	
Avg. Market Cap	\$430,988.23 Million	
P/E	27.96	
P/B	8.50	
Div. Yield	1.97%	
Annual EPS	28.21	
5Yr EPS	18.13	
3Yr EPS Growth	20.02	

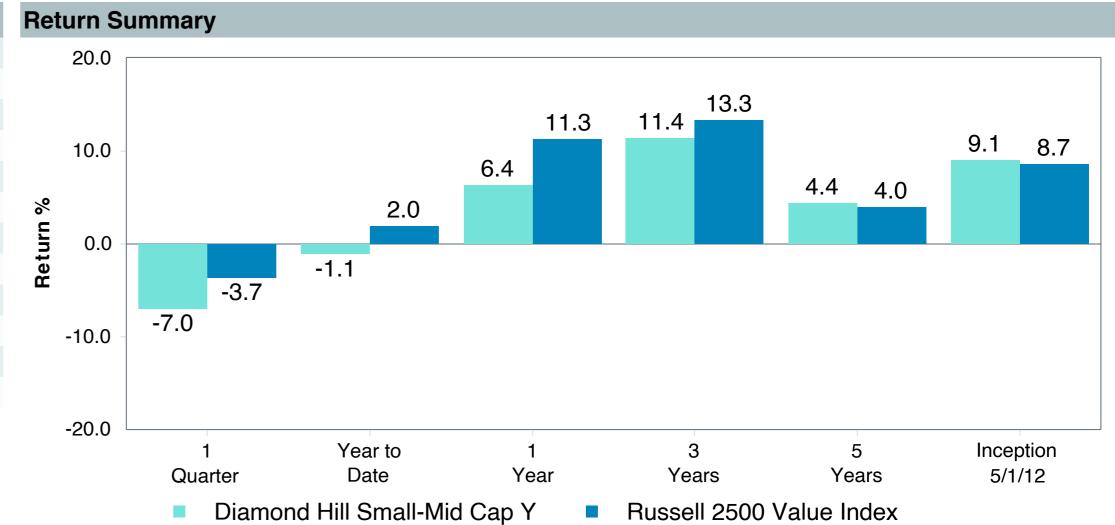
6.30 %
5.40 %
2.67 %
1.72 %
1.64 %
1.55 %
1.42 %
1.40 %
1.36 %
1.36 %

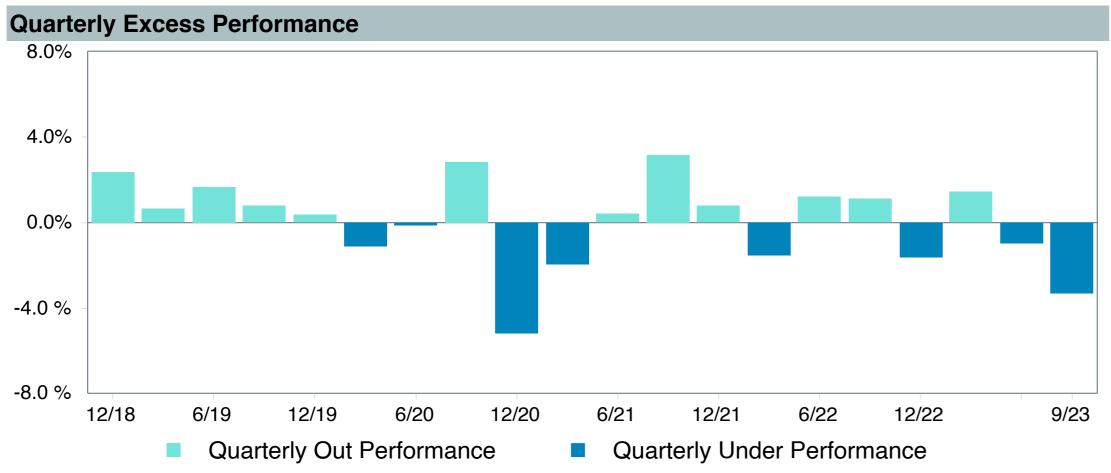


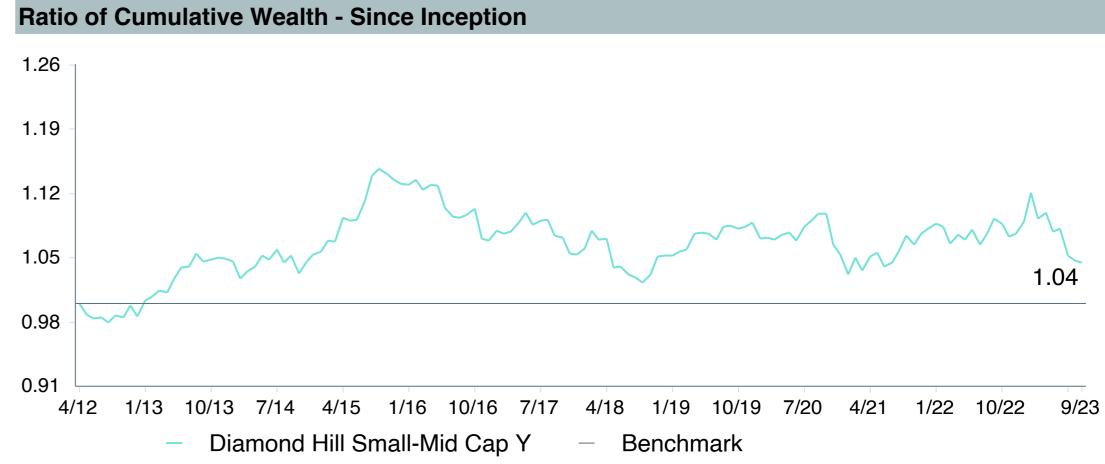


# Manager Performance Summary

<b>Account Information</b>	on
Product Name:	Diamond Hill S/Md Cp;Y (DHMYX)
Fund Family:	Diamond Hill Funds
Ticker:	DHMYX
Peer Group:	IM U.S. Mid Cap Value Equity (MF)
Benchmark:	Russell 2500 Value Index
Fund Inception:	12/30/2011
Portfolio Manager:	Christopher Welch
Total Assets:	\$771.50 Million
Total Assets Date:	09/30/2023
Gross Expense:	0.80%
Net Expense:	0.80%
Turnover:	25%

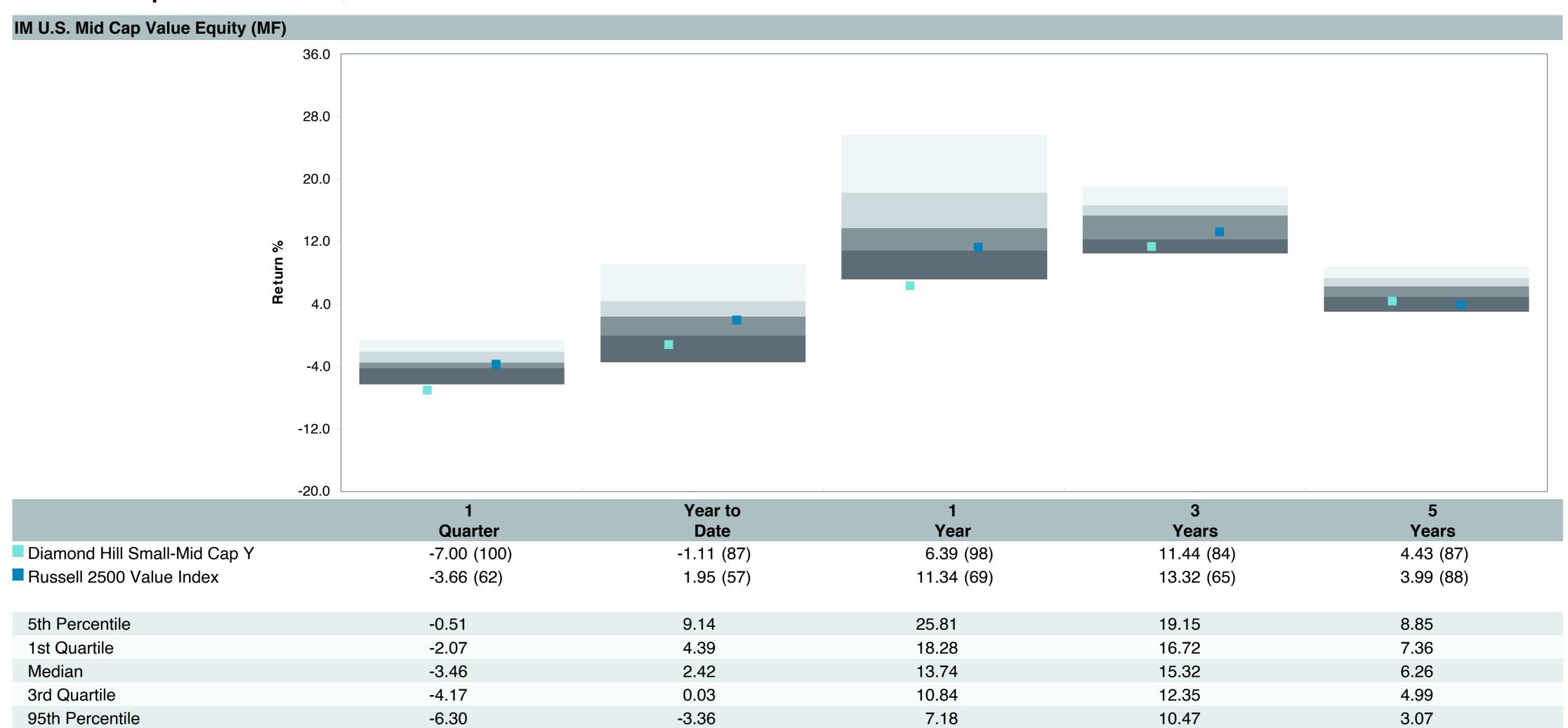




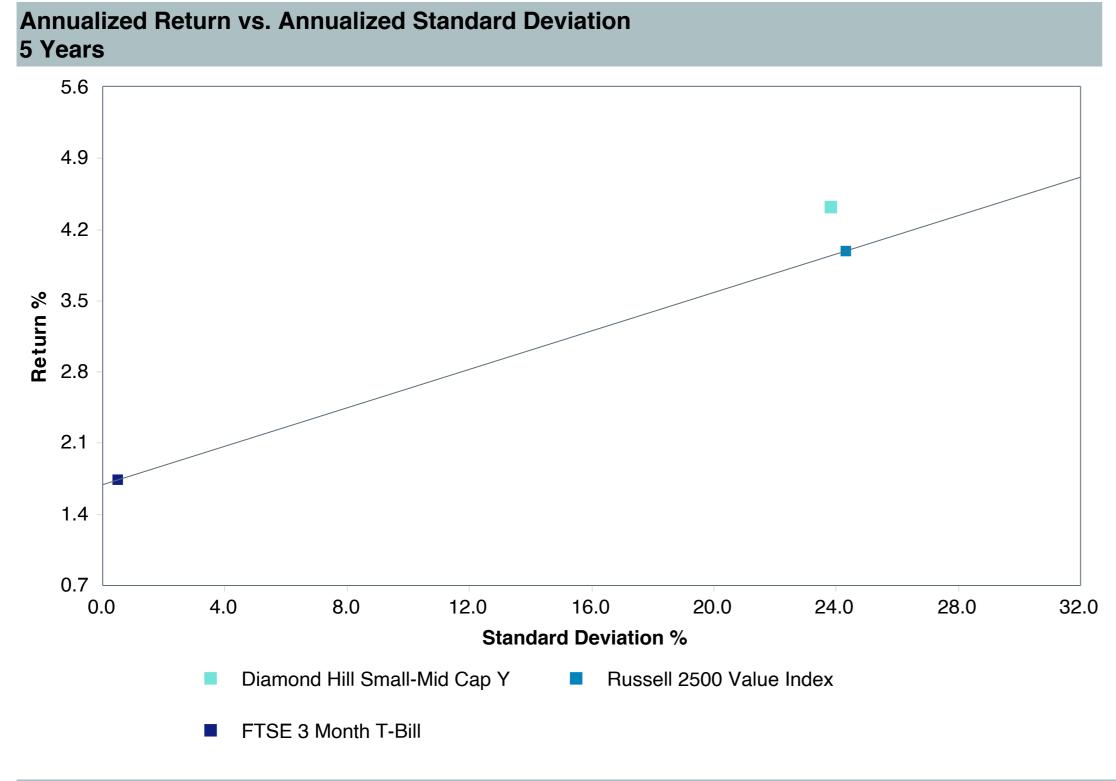


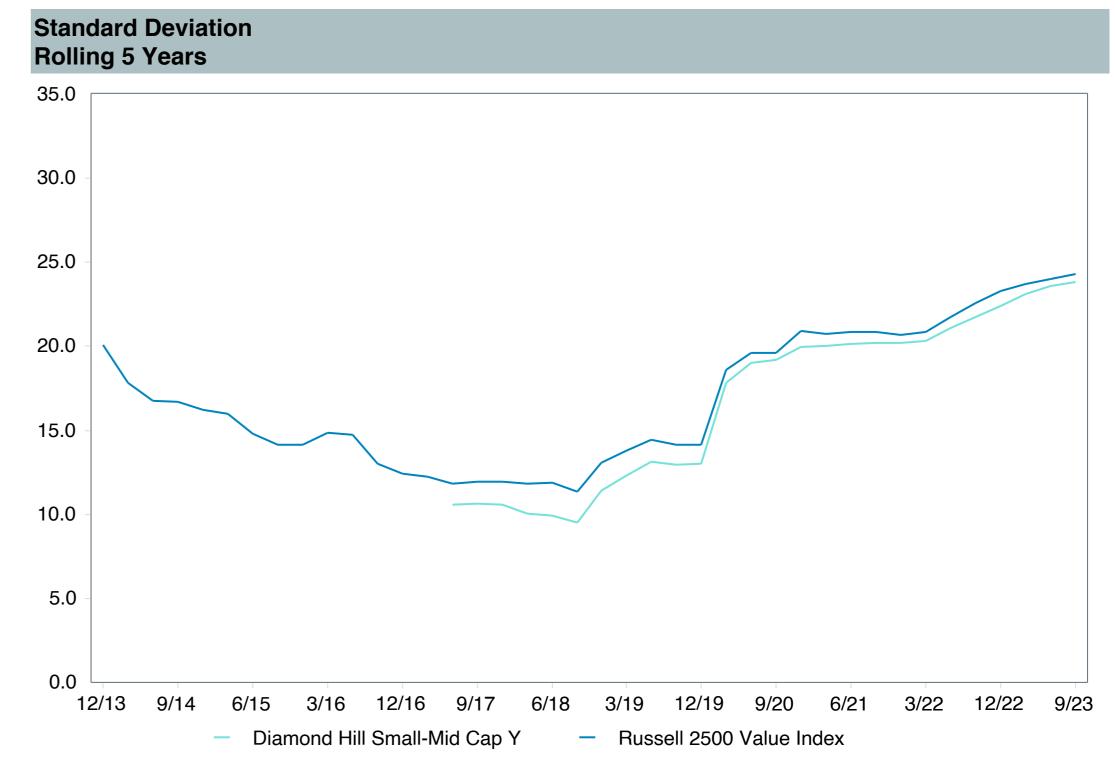


# Peer Group Analysis





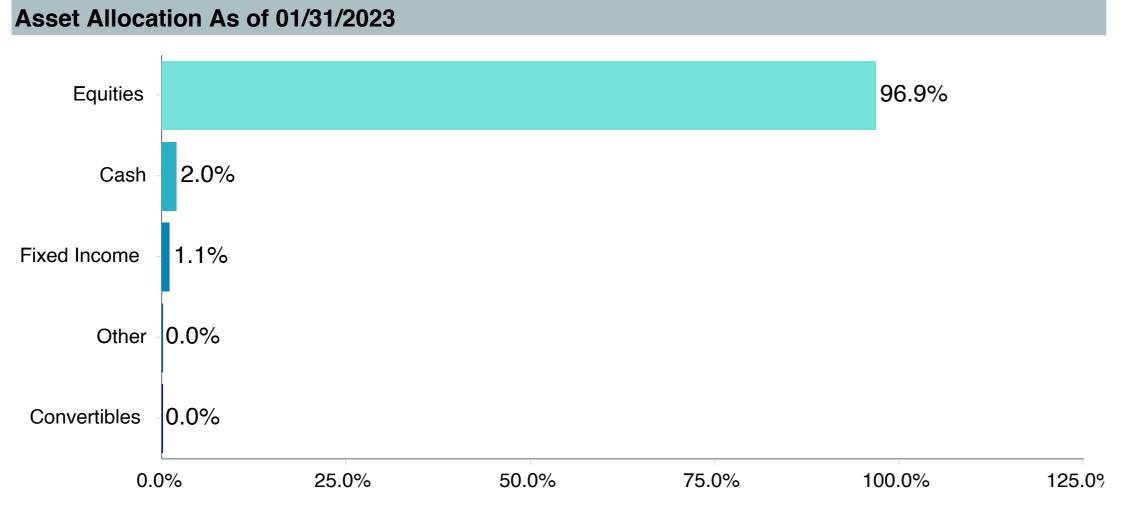




5 Years Historical Statistics										
	Active Return	Tracking Error	Information Ratio	R-Squared	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlation
Diamond Hill Small-Mid Cap Y	0.31	4.36	0.07	0.97	0.23	0.56	0.96	4.43	23.82	0.98
Russell 2500 Value Index	0.00	0.00	-	1.00	0.21	0.00	1.00	3.99	24.33	1.00
FTSE 3 Month T-Bill	-5.20	24.39	-0.21	0.01	-	1.76	0.00	1.74	0.50	-0.11

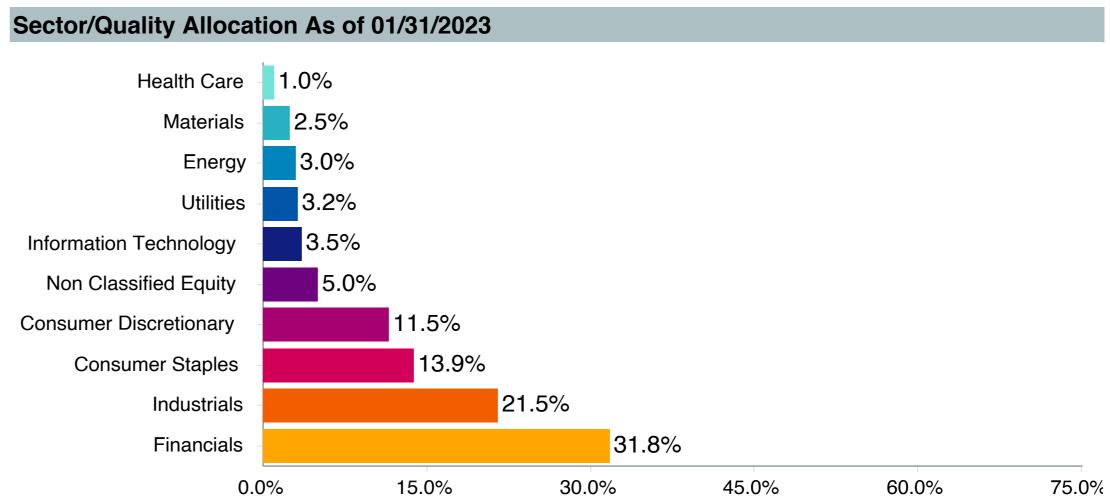


## **Mutual Fund Attributes**



As of 01/31/2023
62
\$7,632.23 Million
21.84
3.71
2.44%
41.50
12.52
19.02

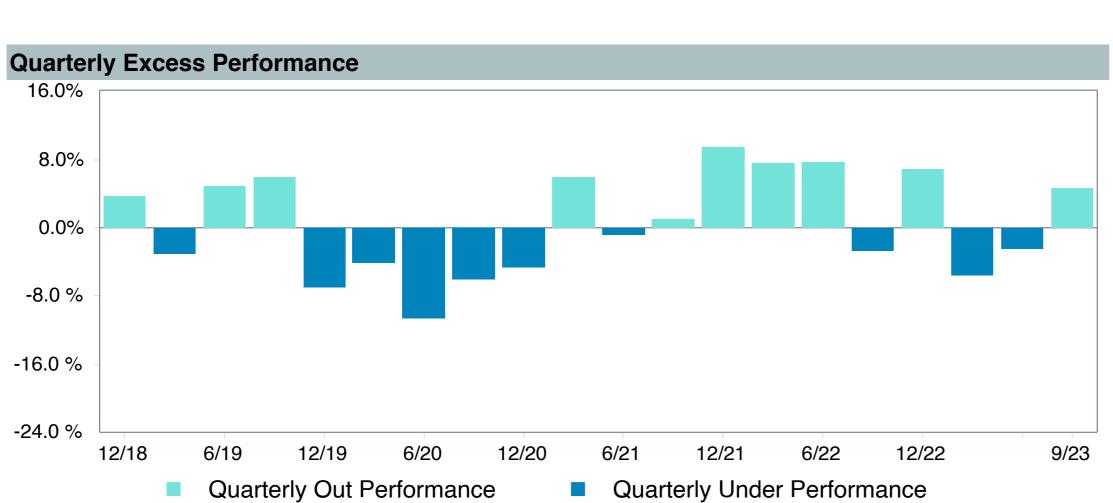
Top Ten Securities As of 01/31/2023	
Wesco International Inc ORD	5.89 %
Red Rock Resorts Inc ORD	4.41 %
Webster Financial Corp ORD	3.58 %
Post Holdings Inc ORD	3.42 %
NVR Inc ORD	3.03 %
CubeSmart ORD	3.02 %
Cal-Maine Foods Inc ORD	2.78 %
ESAB Corp ORD	2.76 %
State Street US Government Money	2.71 %
Ashland Inc ORD	2.45 %

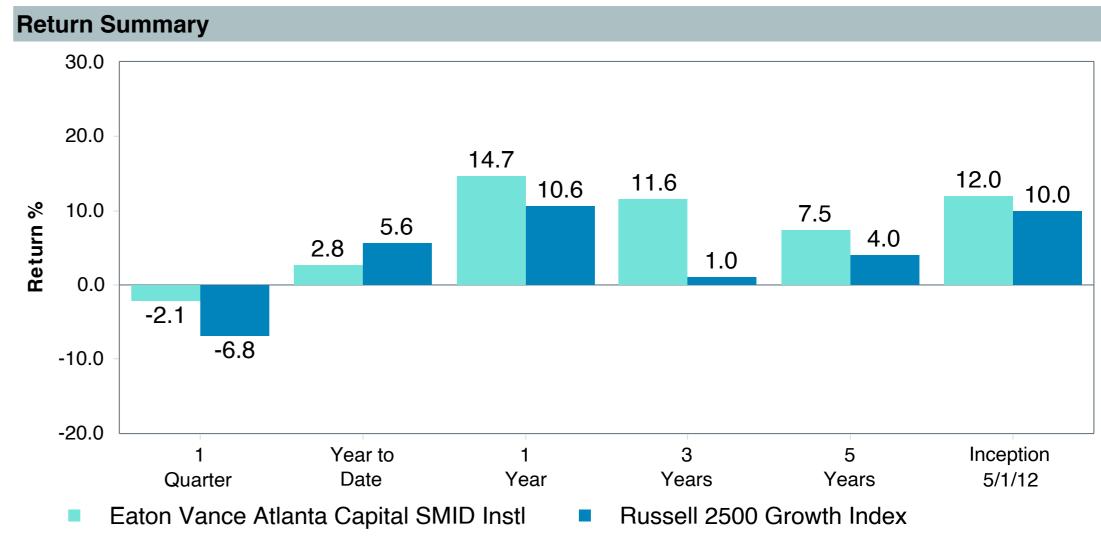


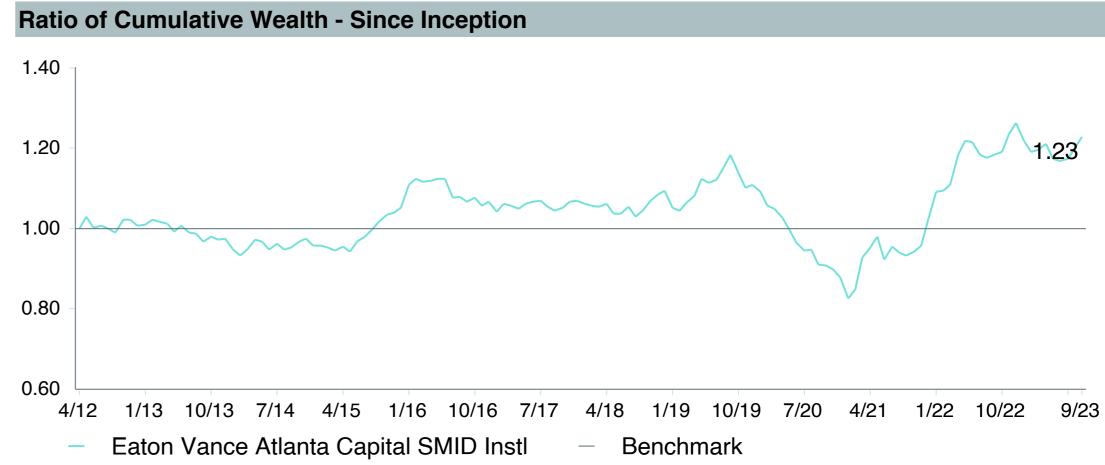


# Manager Performance Summary

<b>Account Information</b>	on
Product Name:	Eaton Vance AC SMID;I (EISMX)
Fund Family:	Eaton Vance
Ticker:	EISMX
Peer Group:	IM U.S. SMID Cap Growth Equity (MF)
Benchmark:	Russell 2500 Growth Index
Fund Inception:	04/30/2002
Portfolio Manager:	Bell IV/Reed/Hereford
Total Assets:	\$5,853.80 Million
Total Assets Date:	09/30/2023
Gross Expense:	0.88%
Net Expense:	0.88%
Turnover:	7%

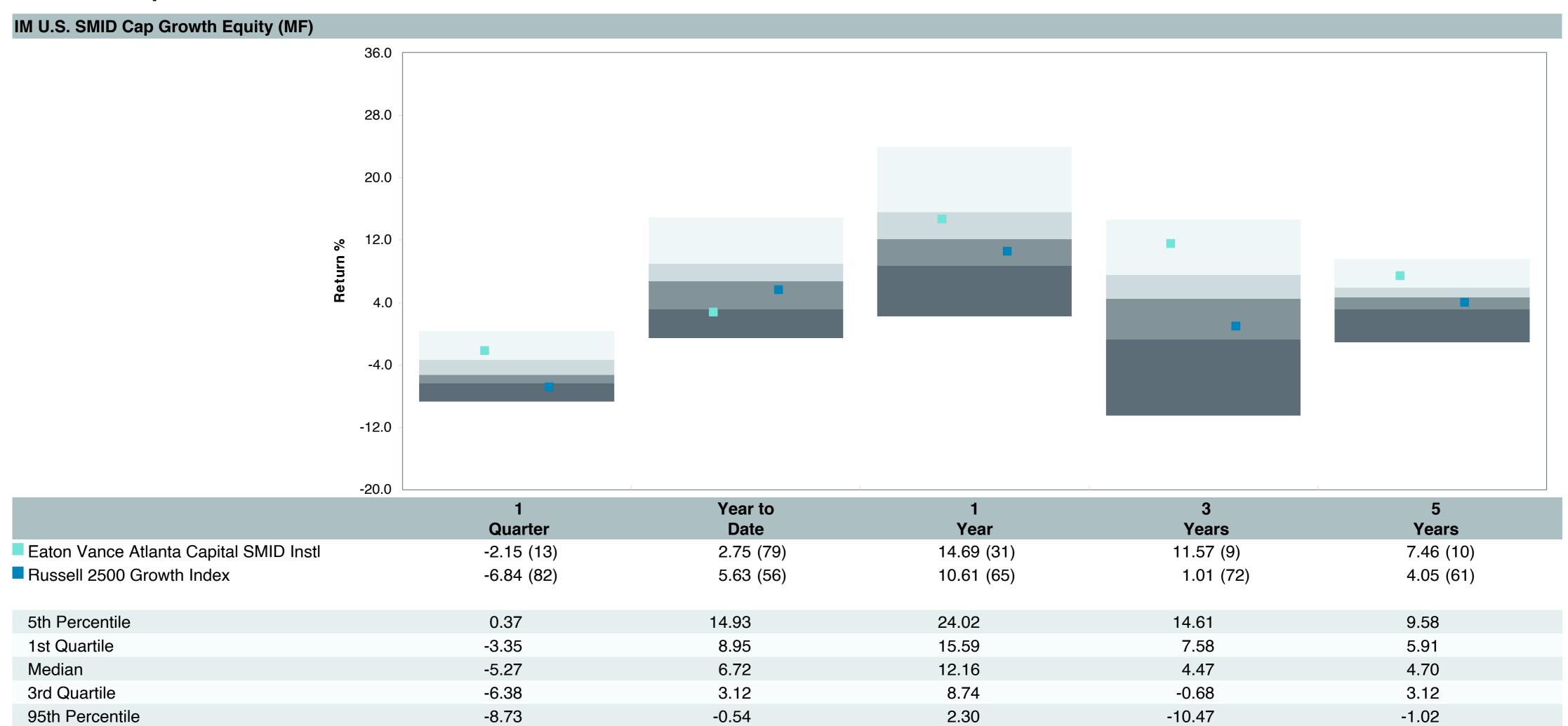




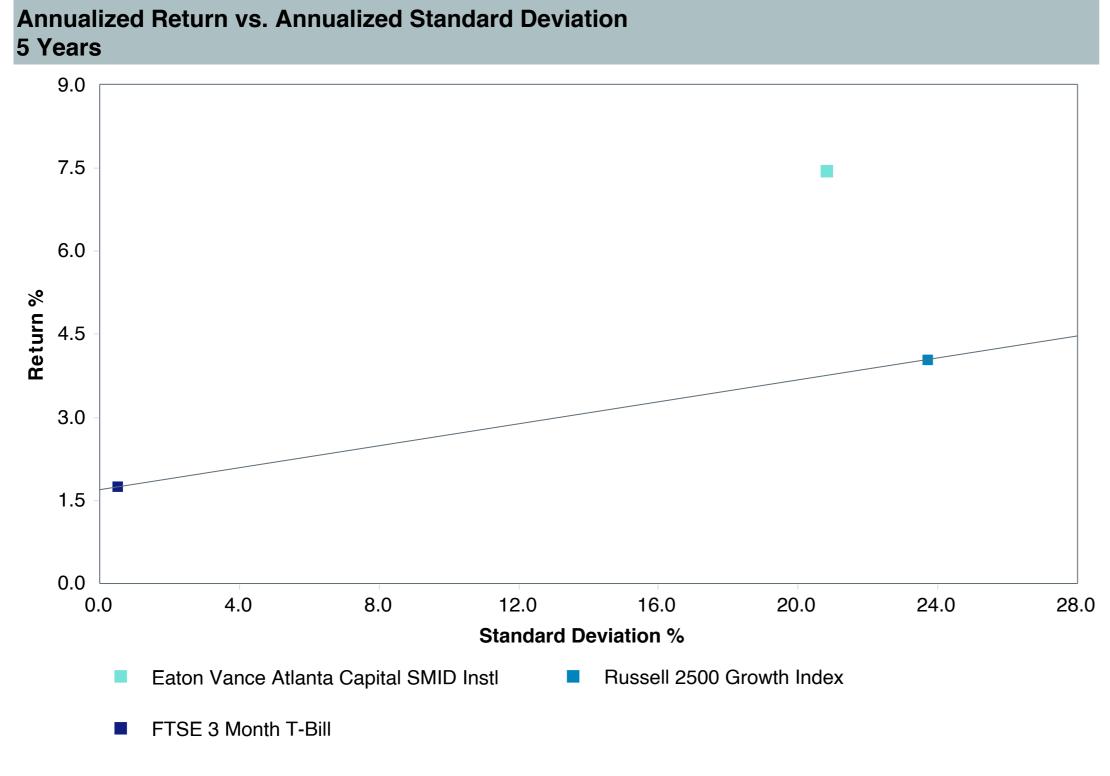


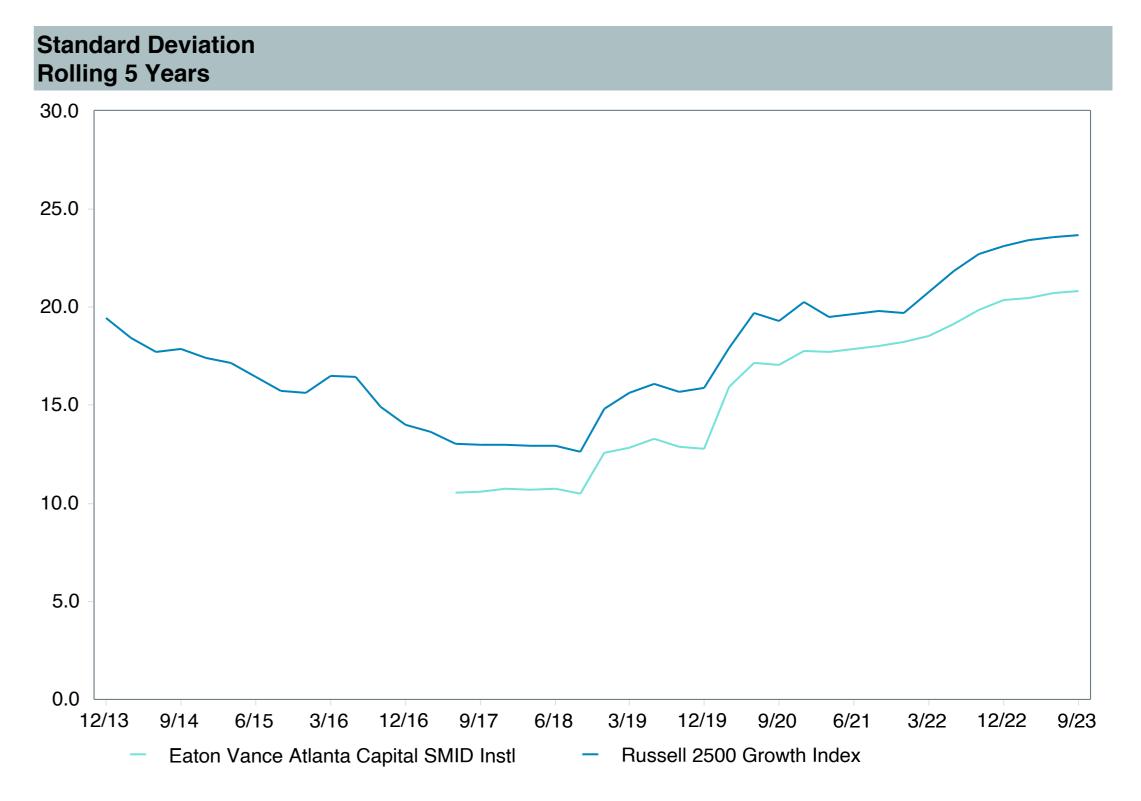


# Peer Group Analysis





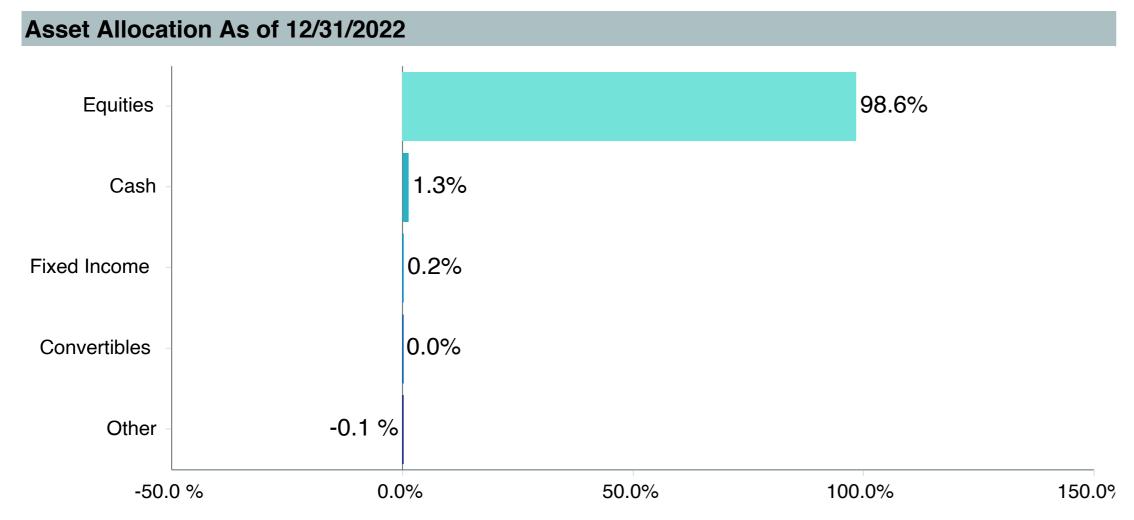




5 Years Historical Statistics										
	Active Return	Tracking Error	Information Ratio	R-Squared	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlation
Eaton Vance Atlanta Capital SMID Instl	2.62	10.55	0.25	0.80	0.37	4.14	0.79	7.46	20.83	0.90
Russell 2500 Growth Index	0.00	0.00	-	1.00	0.21	0.00	1.00	4.05	23.70	1.00
FTSE 3 Month T-Bill	-5.03	23.73	-0.21	0.00	-	1.75	0.00	1.74	0.50	-0.05

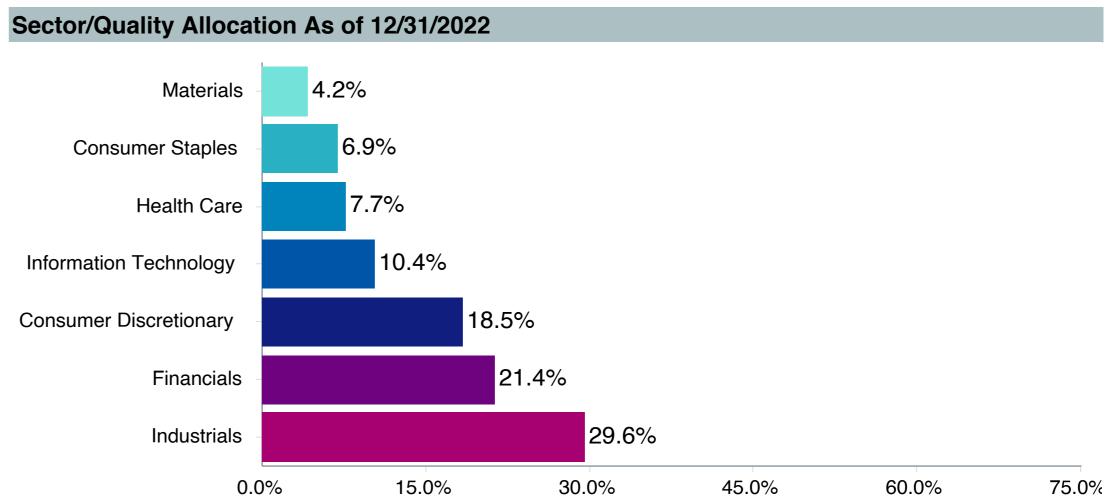


# **Mutual Fund Attributes**



Fund Characteristic	cs As of 12/31/2022
Total Securities	54
Avg. Market Cap	\$10,771.85 Million
P/E	26.96
P/B	6.13
Div. Yield	1.03%
Annual EPS	46.37
5Yr EPS	13.82
3Yr EPS Growth	14.36

Top Ten Securities As of 12/31/2022	
W R Berkley Corp ORD	4.75 %
Aramark ORD	3.67 %
Markel Corp ORD	3.22 %
Carlisle Companies Inc ORD	3.20 %
Teleflex Inc ORD	3.02 %
CACI International Inc ORD	3.00 %
Affiliated Managers Group Inc ORD	2.92 %
Brown & Brown Inc ORD	2.76 %
Envista Holdings Corp ORD	2.70 %
RPM International Inc ORD	2.67 %



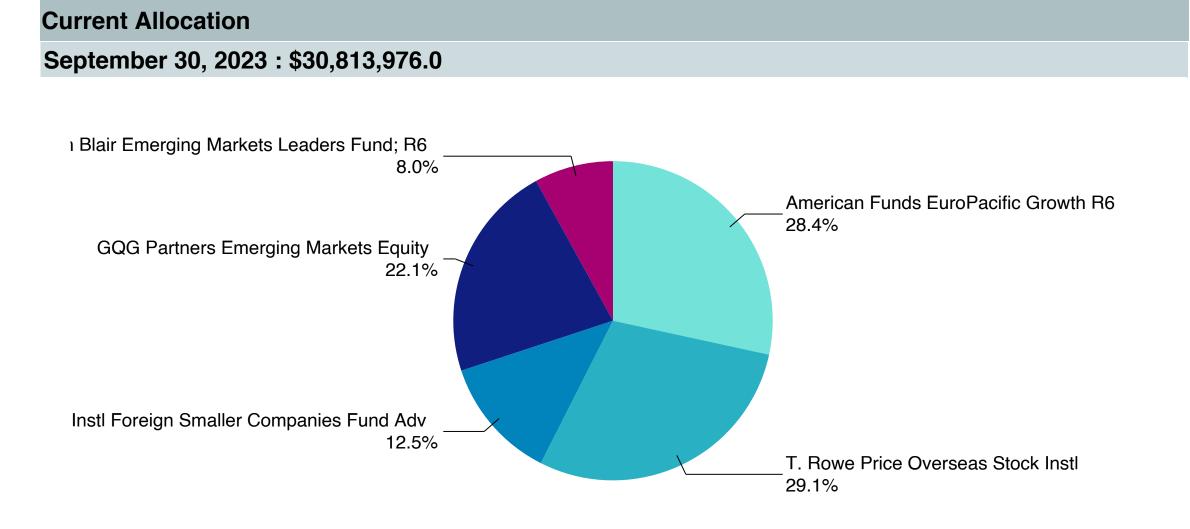


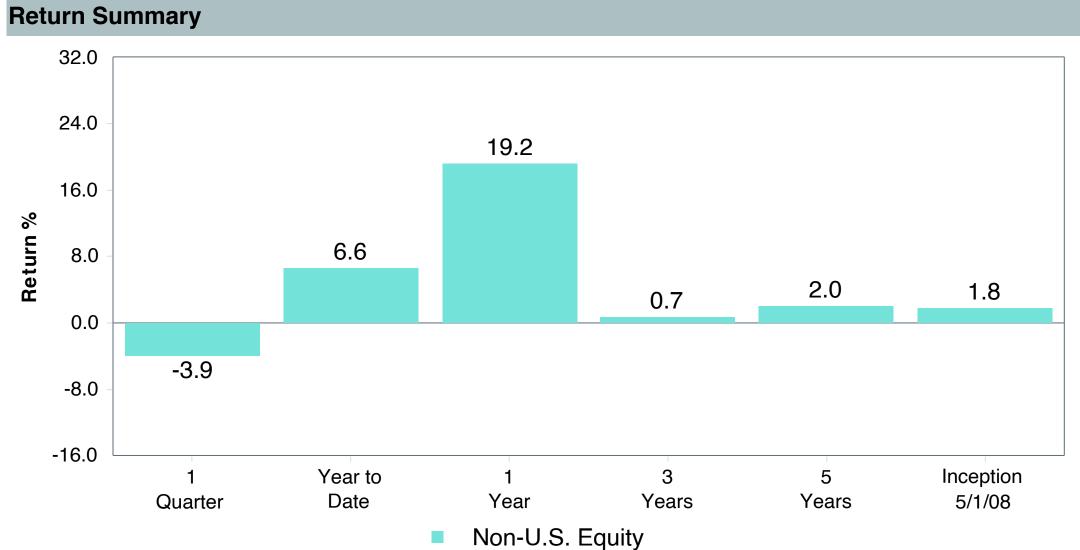
Non-U.S. Equity

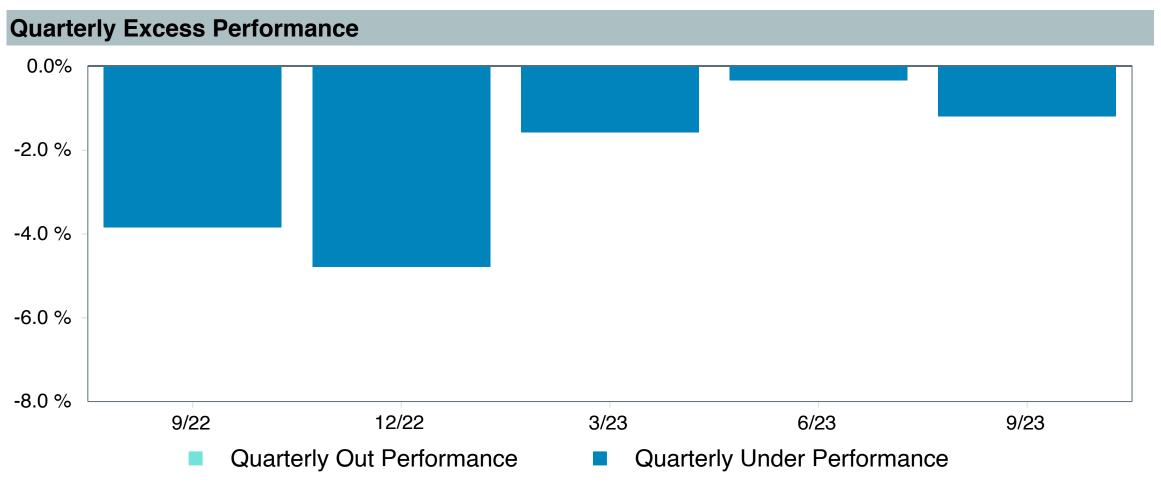


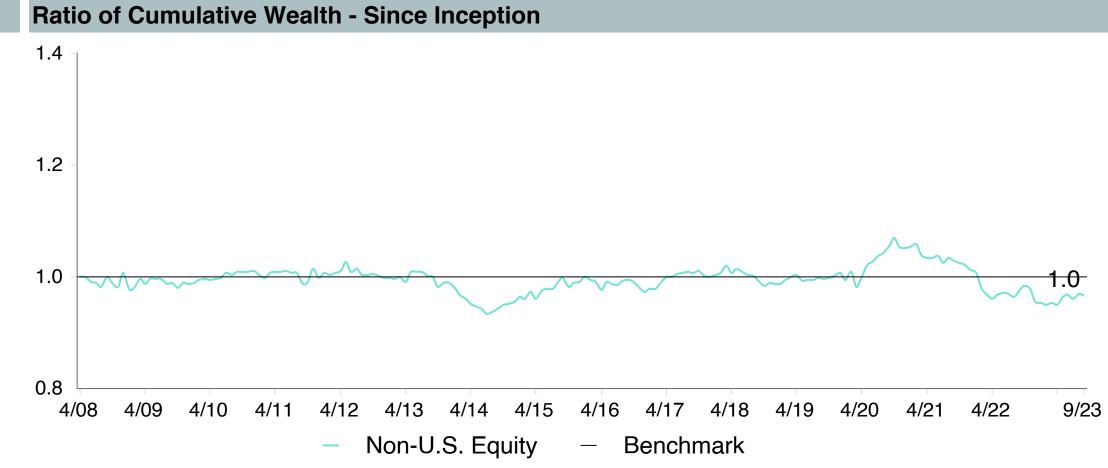


# **Composite Portfolio Overview**



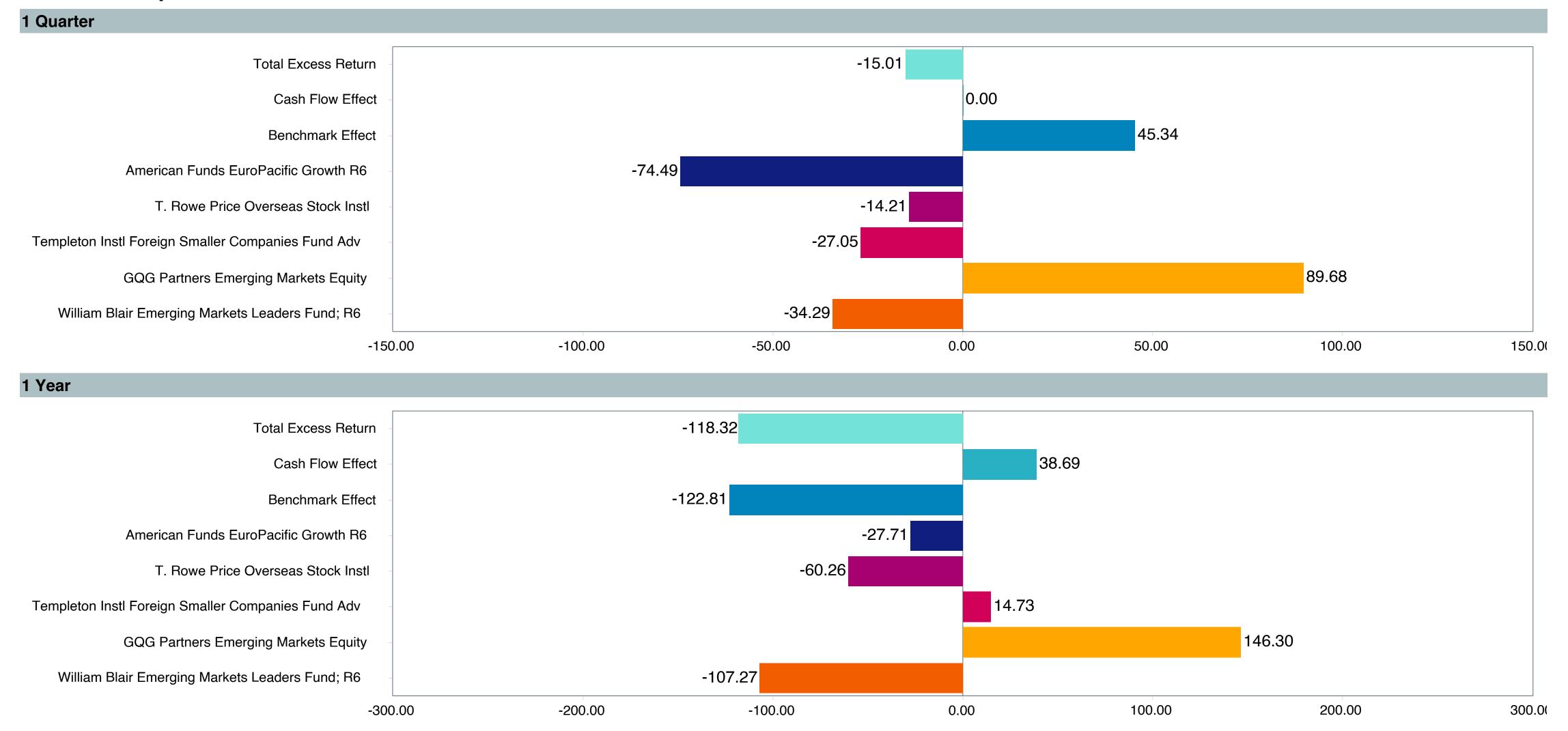






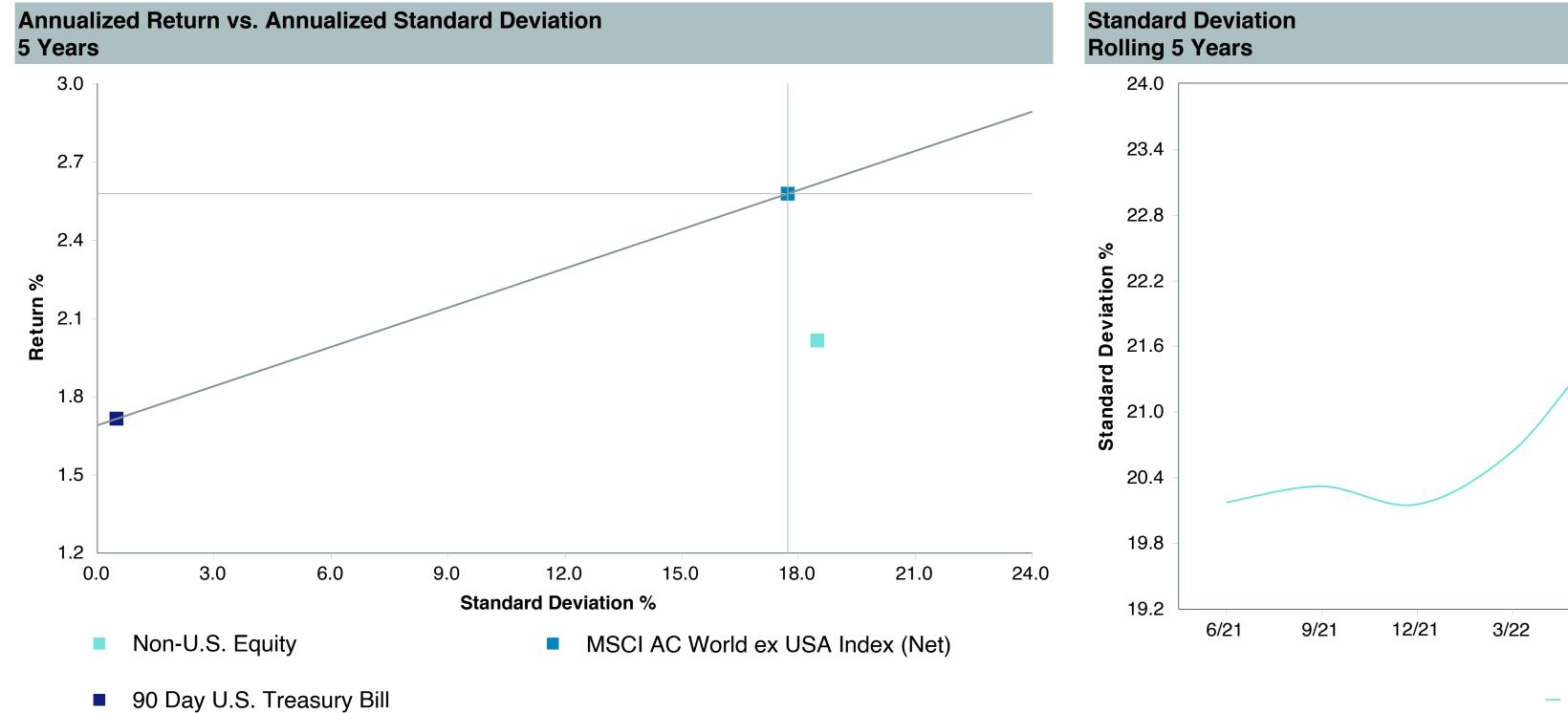


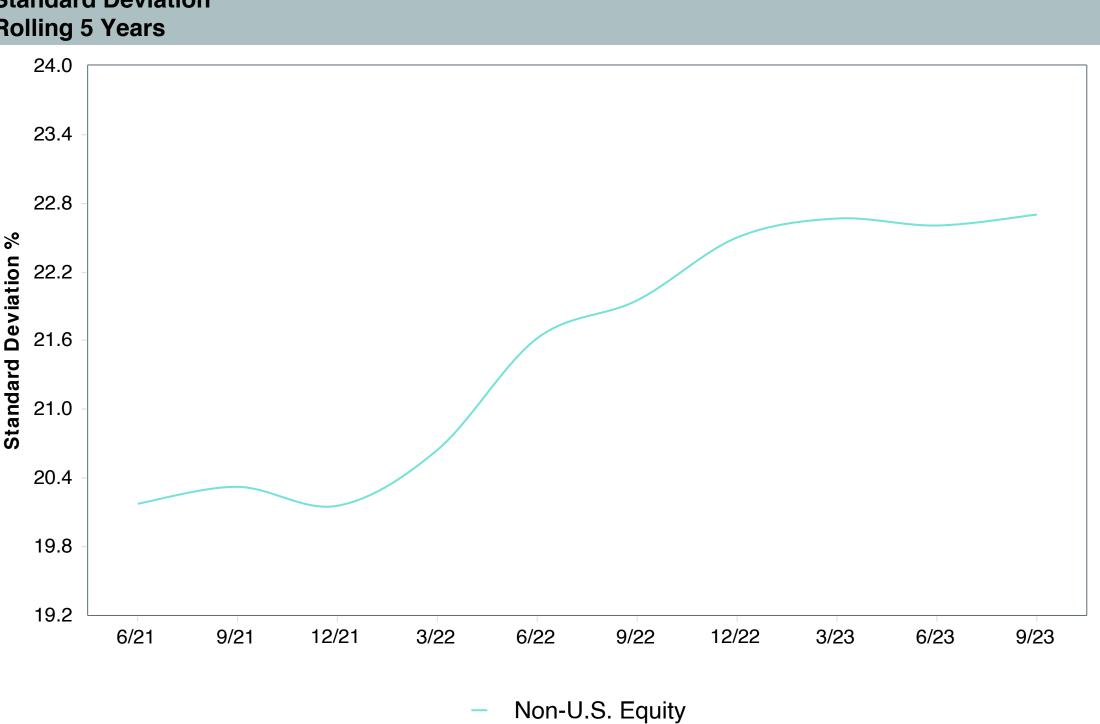
# **Asset Class Attribution**





### As of September 30, 2023



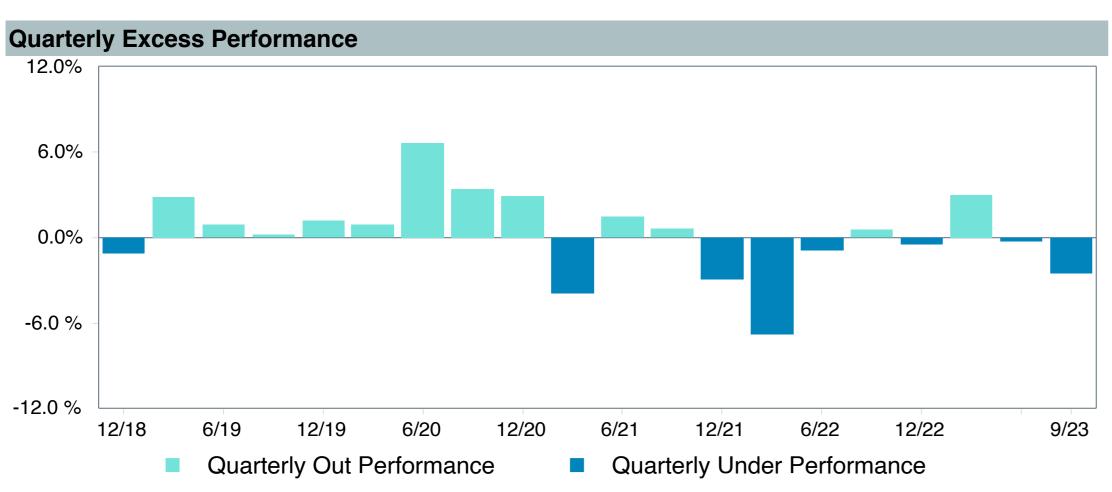


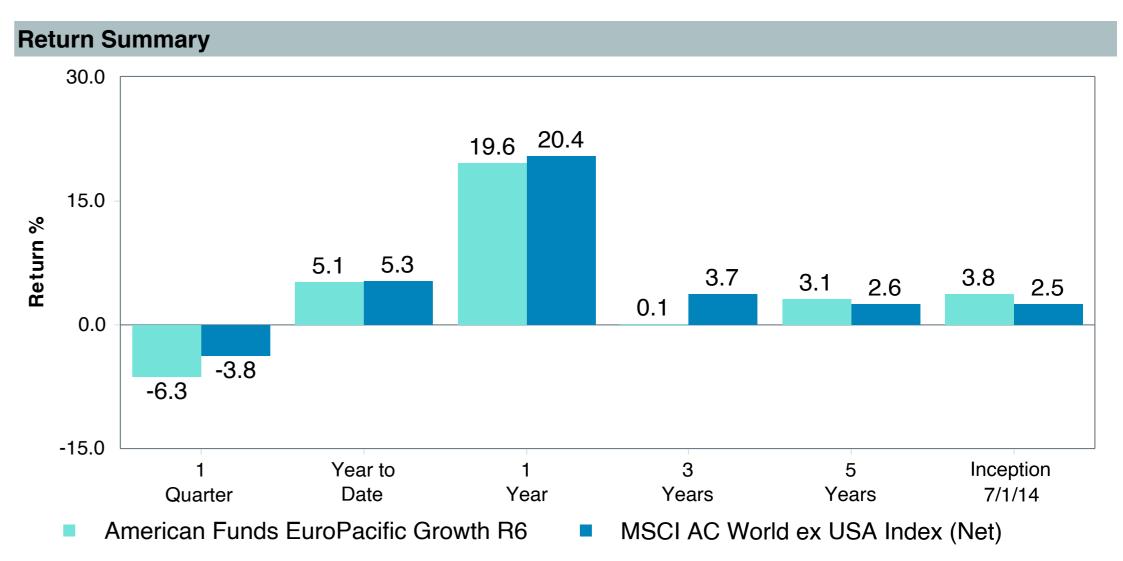
**5 Years Historical Statistics Active Tracking** Information **Standard Actual** Sharpe **R-Squared Alpha** Beta Return **Deviation** Ratio Correlation Return **Error** Ratio Non-U.S. Equity 18.48 0.98 -0.40 3.41 -0.12 0.97 0.11 -0.50 1.03 2.02 MSCI AC World ex USA Index (Net) 0.00 0.00 1.00 0.13 0.00 1.00 2.58 17.72 1.00 90 Day U.S. Treasury Bill -2.40 17.77 0.01 0.50 -0.09 -0.13 0.00 1.72

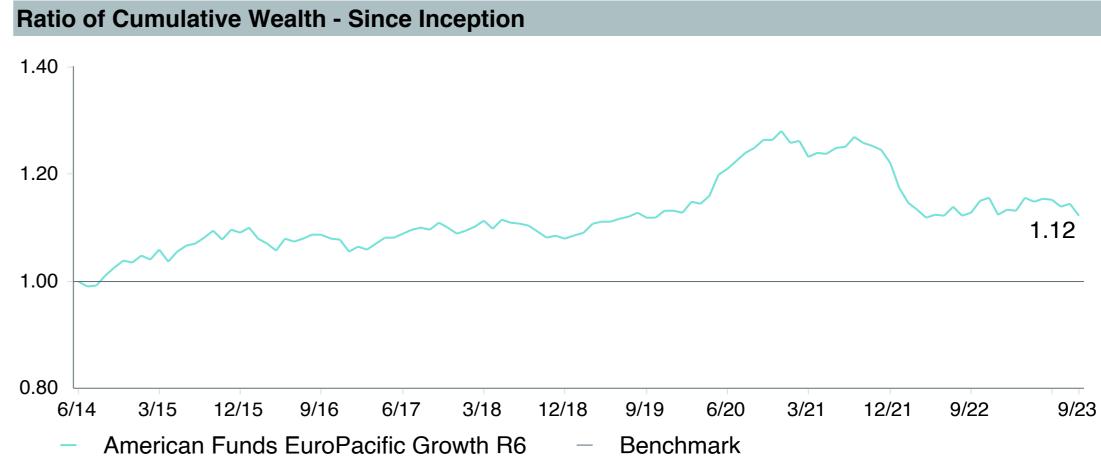


# Manager Performance Summary

<b>Account Information</b>	on
Product Name:	American Funds EuPc;R6 (RERGX)
Fund Family:	Capital Group/American Funds
Ticker:	RERGX
Peer Group:	IM International Large Cap Core Equity (MF)
Benchmark:	MSCI AC World ex USA Index (Net)
Fund Inception:	05/01/2009
Portfolio Manager:	Team Managed
Total Assets:	\$65,244.80 Million
Total Assets Date:	08/31/2023
Gross Expense:	0.47%
Net Expense :	0.47%
Turnover:	34%

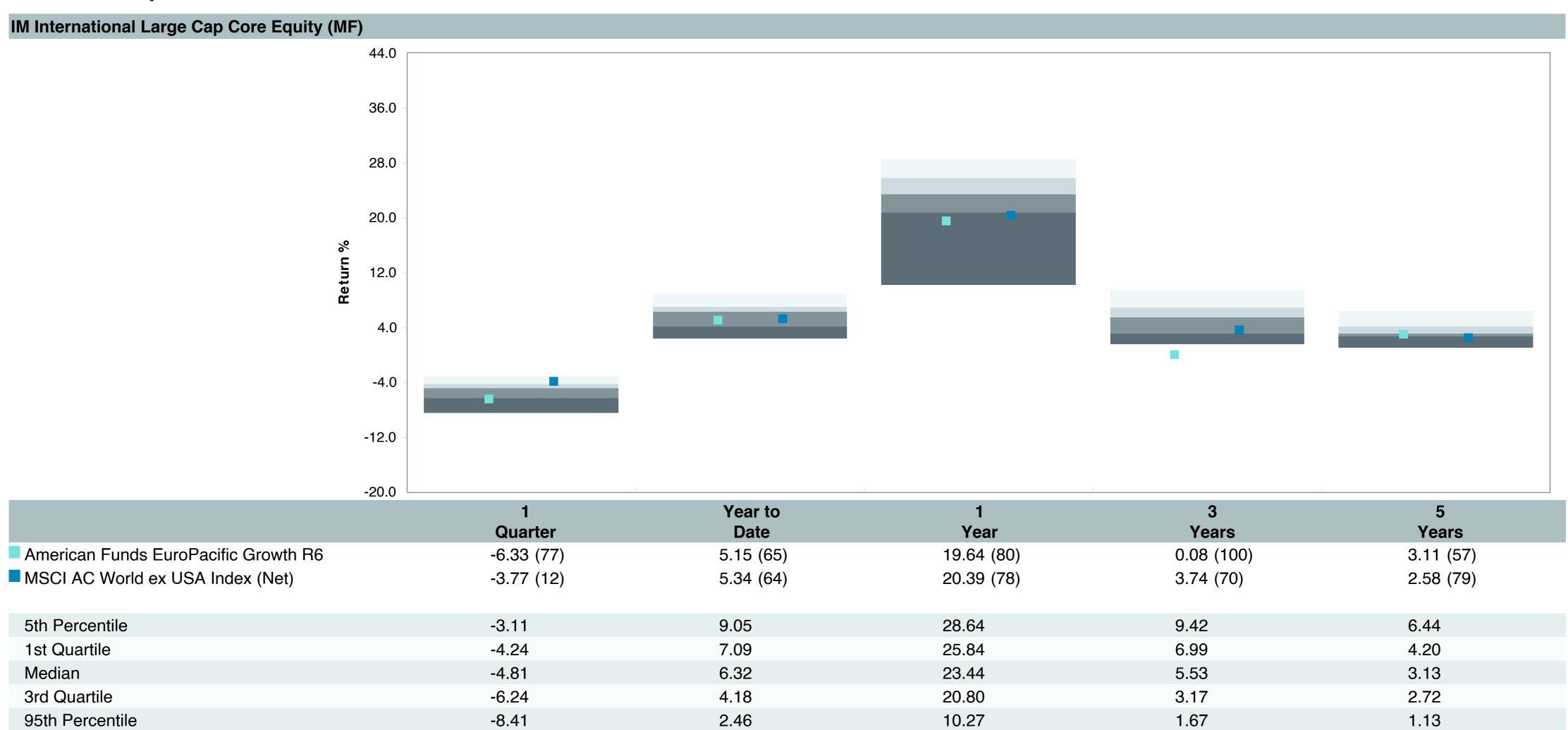






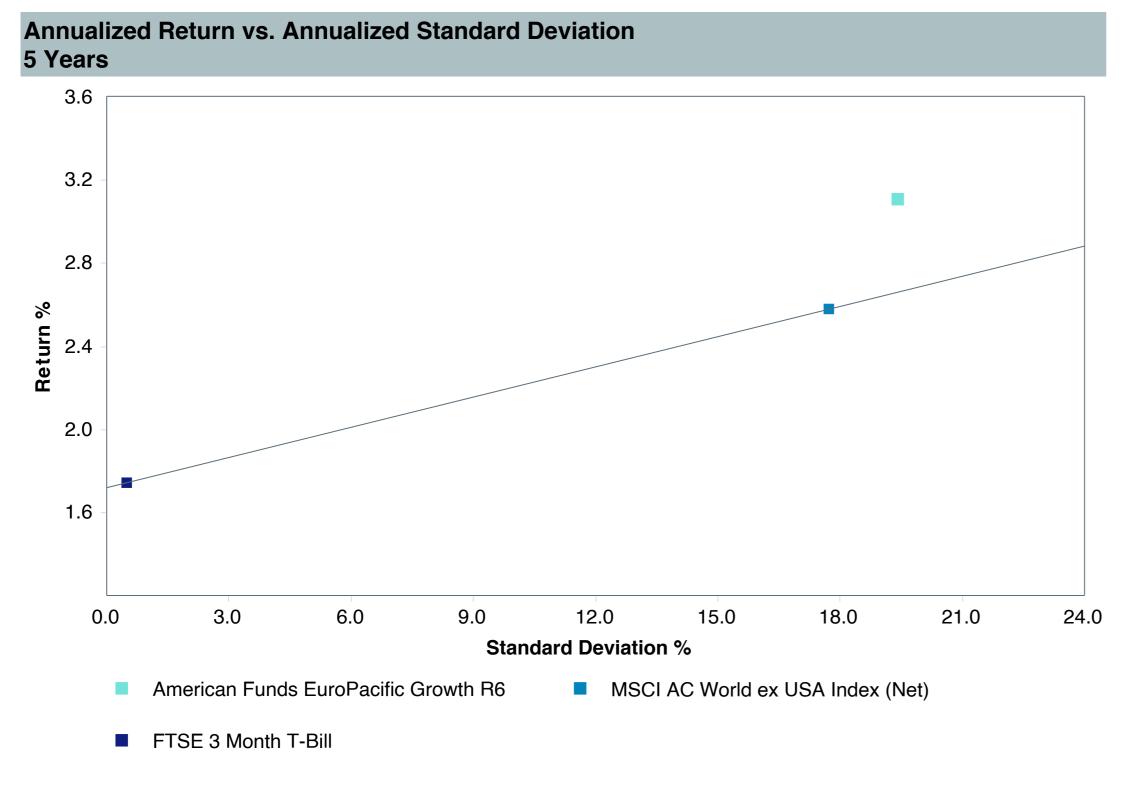


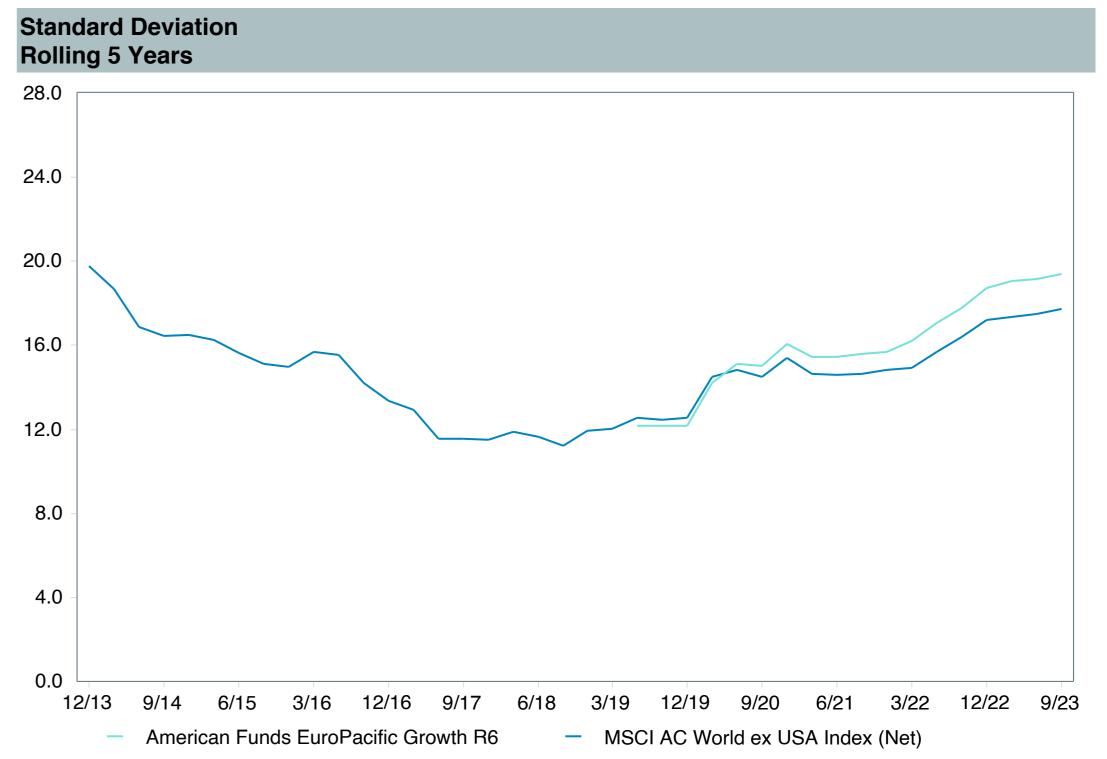
# Peer Group Analysis





#### **Risk Profile**

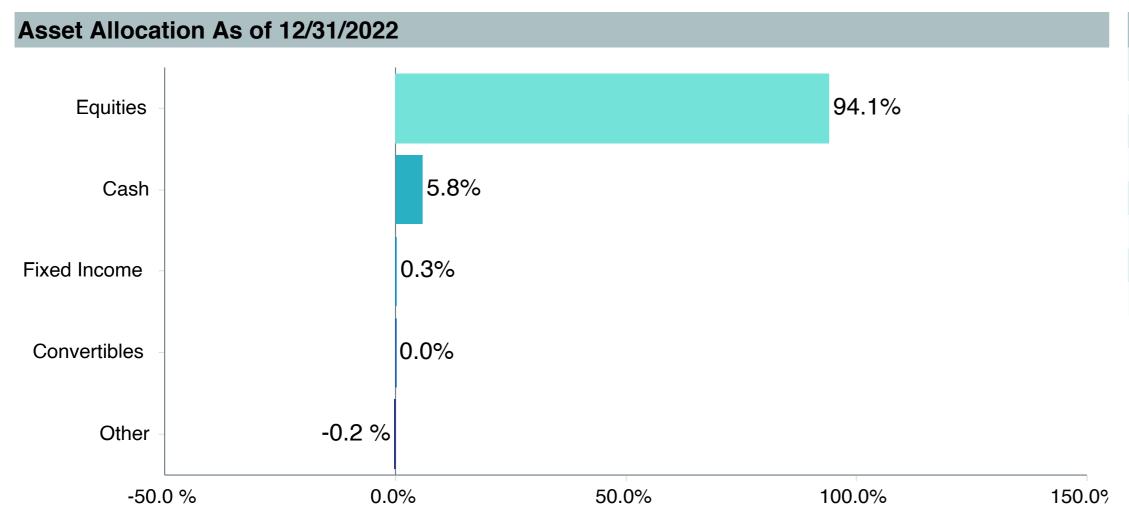




5 Years Historical Statistics										
	Active Return	Tracking Error	Information Ratio	R-Squared	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlation
American Funds EuroPacific Growth R6	0.82	4.49	0.18	0.95	0.16	0.55	1.07	3.11	19.41	0.97
MSCI AC World ex USA Index (Net)	0.00	0.00	-	1.00	0.13	0.00	1.00	2.58	17.72	1.00
FTSE 3 Month T-Bill	-2.37	17.73	-0.13	0.00	-	1.74	0.00	1.74	0.50	-0.01

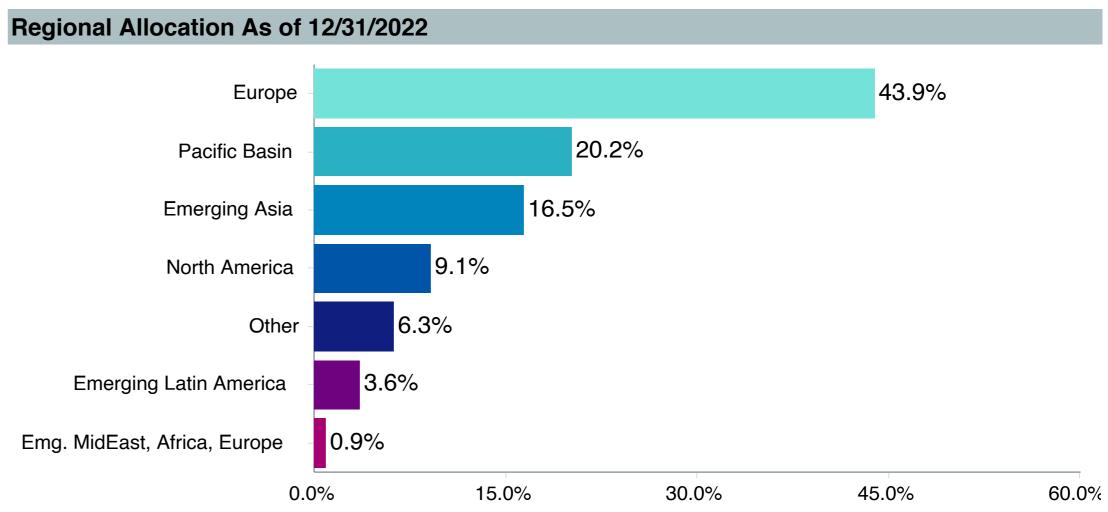


#### **Mutual Fund Attributes**



Fund Characteristic	cs As of 12/31/2022		
Total Securities	367		
Avg. Market Cap	\$93,963.35 Million		
P/E	26.55		
P/B	6.03		
Div. Yield	2.54%		
Annual EPS	43.86		
5Yr EPS	14.87		
3Yr EPS Growth	15.56		

Top Ten Securities As of 12/31/2022	
Capital Group Central Cash Fund;	5.79 %
Novo Nordisk A/S ORD	3.69 %
Reliance Industries Ltd ORD	3.08 %
LVMH Moet Hennessy Louis Vuitton	2.80 %
ASML Holding NV ORD	2.40 %
Canadian Natural Resources Ltd	2.33 %
AIA Group Ltd ORD	2.19 %
Airbus SE ORD	2.12 %
Daiichi Sankyo Co Ltd ORD	2.07 %
Taiwan Semiconductor Manufacturing	1.89 %

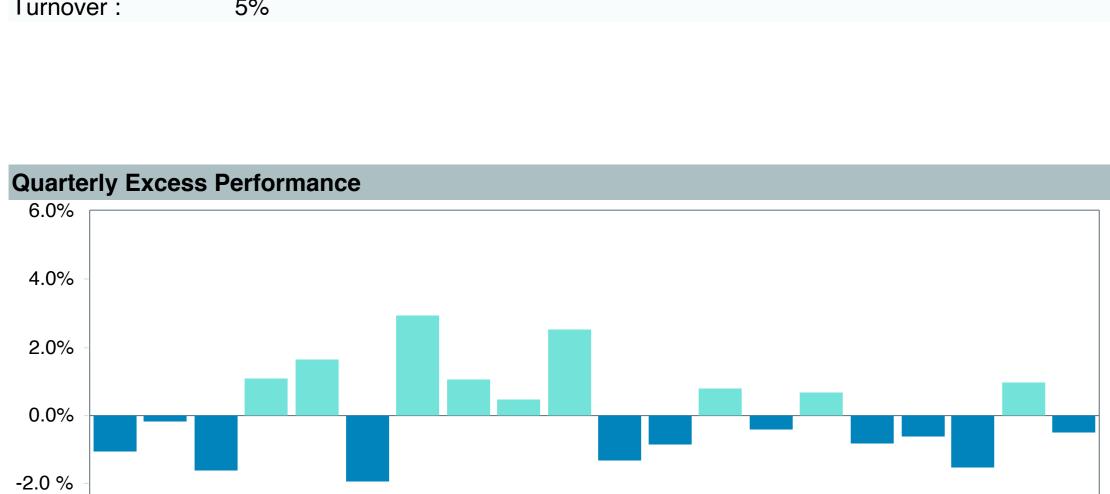




### Manager Performance Summary

#### As of September 30, 2023

<b>Account Information</b>	on
Product Name :	T Rowe Price Int:OS;I (TROIX)
Fund Family:	T. Rowe Price
Ticker:	TROIX
Peer Group:	IM International Large Cap Core Equity (MF)
Benchmark:	MSCI EAFE Index (Net)
Fund Inception:	08/28/2015
Portfolio Manager:	Raymond A. Mills
Total Assets:	\$5,520.90 Million
Total Assets Date:	09/30/2023
Gross Expense:	0.67%
Net Expense :	0.67%
Turnover:	5%



12/20

Quarterly Out Performance

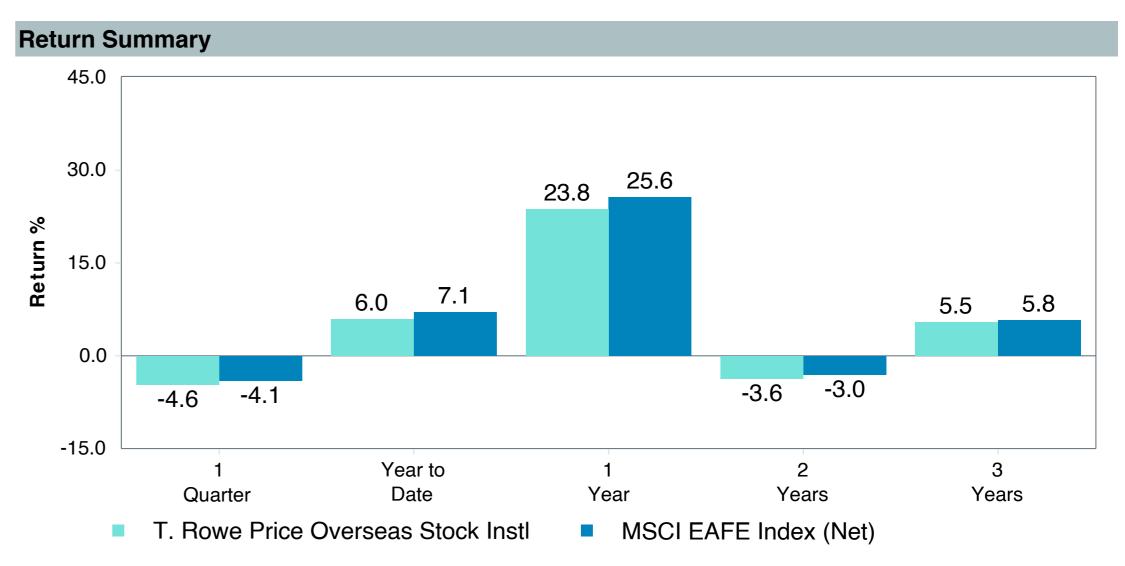
12/21

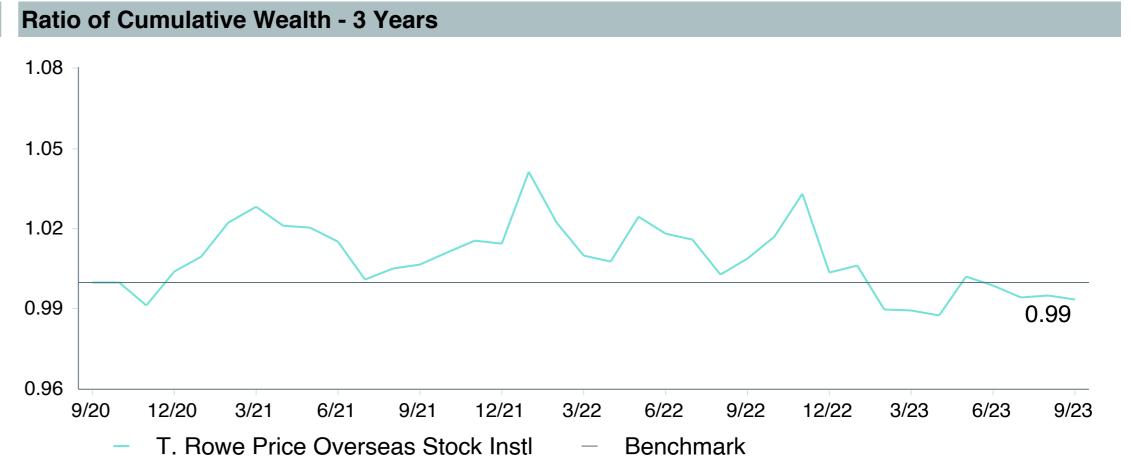
Quarterly Under Performance

6/22

12/22

9/23

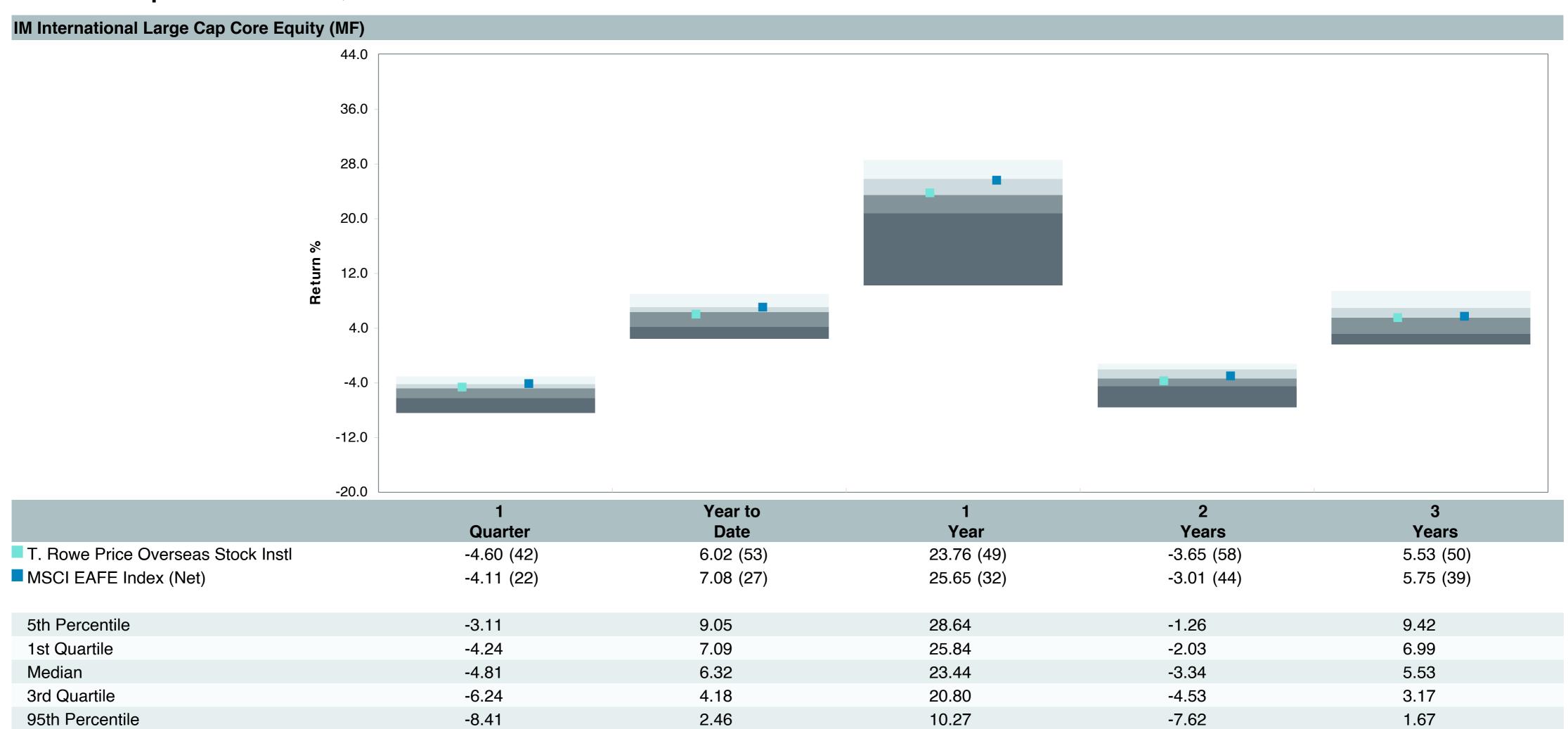






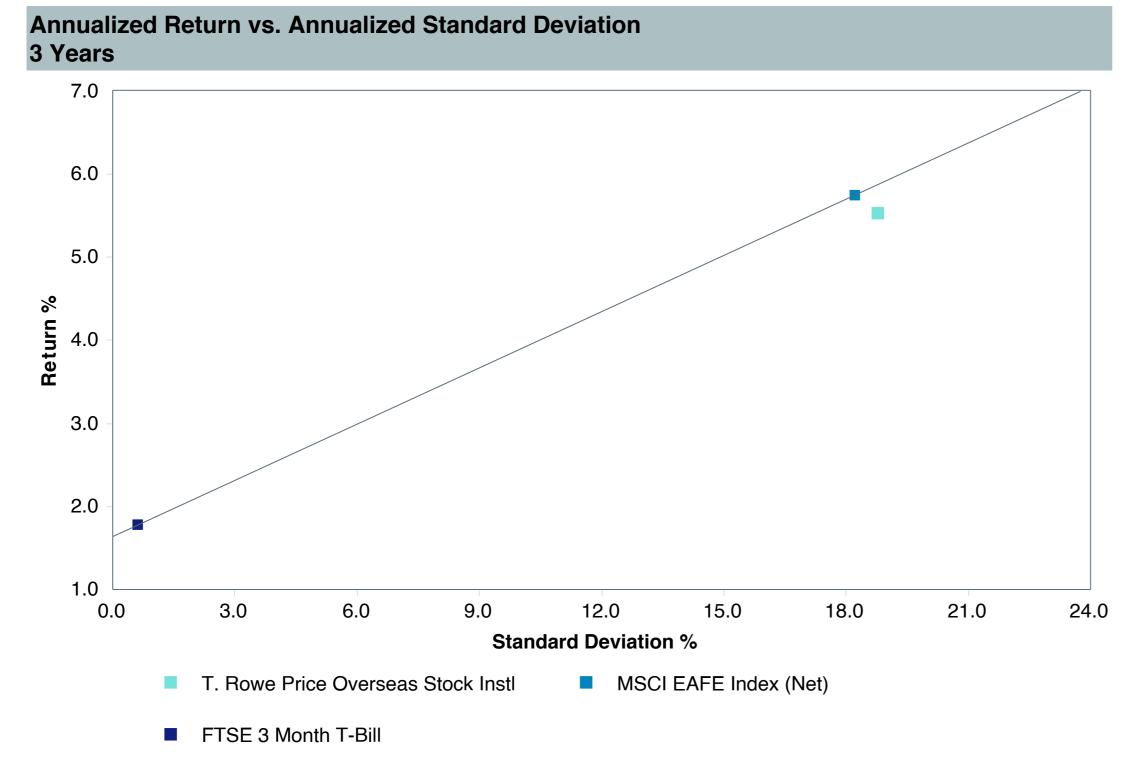
12/18

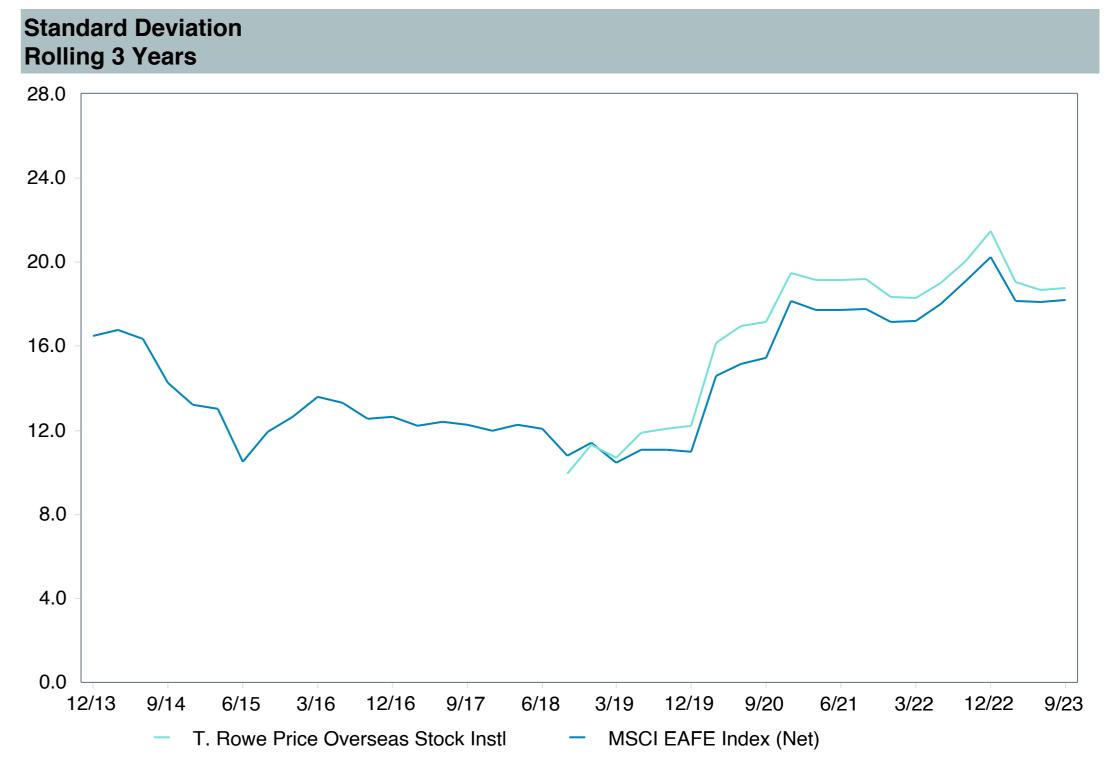
# Peer Group Analysis





#### **Risk Profile**

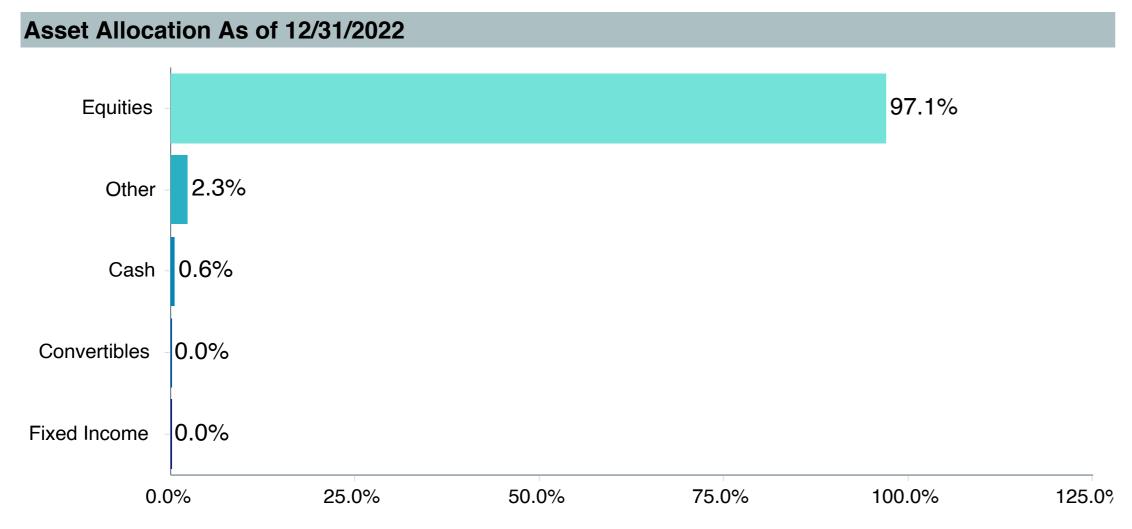




3 Years Historical Statistics										
	Active Return	Tracking Error	Information Ratio	R-Squared	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlation
T. Rowe Price Overseas Stock Instl	-0.12	3.77	-0.03	0.96	0.28	-0.18	1.01	5.53	18.77	0.98
MSCI EAFE Index (Net)	0.00	0.00	-	1.00	0.30	0.00	1.00	5.75	18.23	1.00
FTSE 3 Month T-Bill	-5.43	18.21	-0.30	0.00	-	1.77	0.00	1.78	0.62	0.04

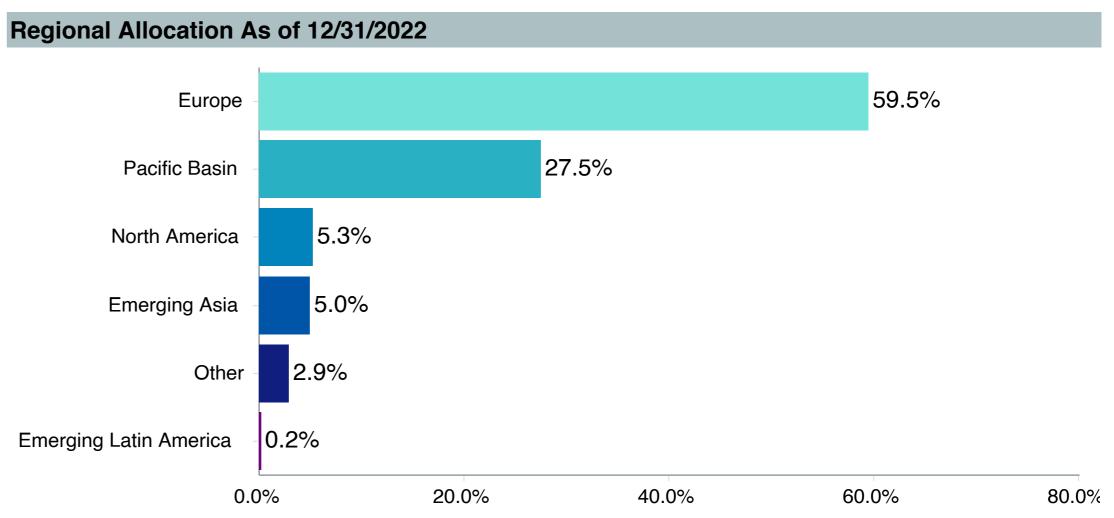


#### **Mutual Fund Attributes**



<b>Fund Characteristics</b>	As of 12/31/2022
Total Securities	160
Avg. Market Cap	\$80,697.64 Million
P/E	17.05
P/B	3.07
Div. Yield	3.66%
Annual EPS	46.89
5Yr EPS	12.27
3Yr EPS Growth	11.37

Top Ten Securities As of 12/31/2022	
Nestle SA ORD	3.06 %
RESERVE INVT FDS INC SHS OF BENEF	2.33 %
Siemens AG ORD	2.21 %
Nippon Telegraph and Telephone	1.85 %
Roche Holding AG	1.79 %
Sanofi SA ORD	1.73 %
Unilever PLC ORD	1.67 %
Taiwan Semiconductor Manufacturing	1.65 %
TotalEnergies SE ORD	1.57 %
Novartis AG ORD	1.52 %

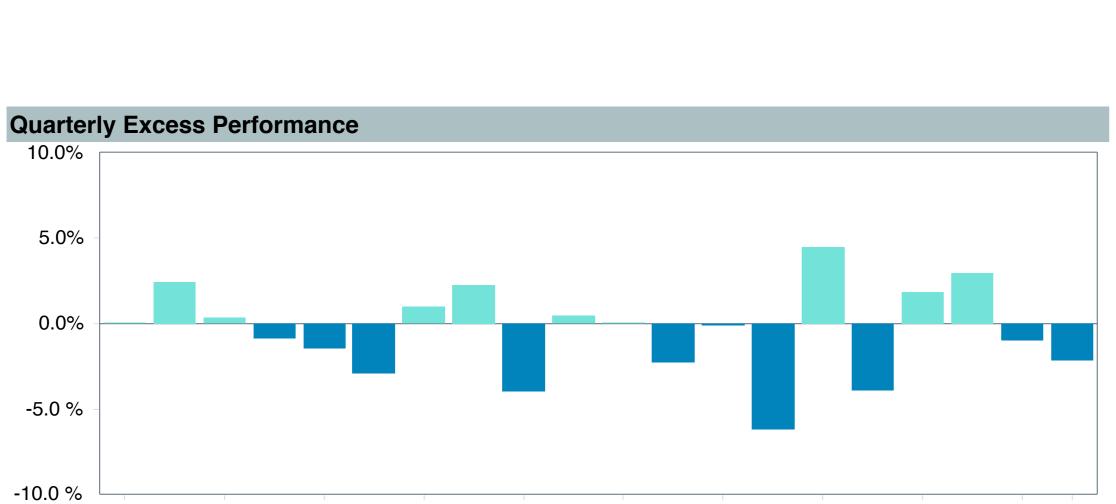




### Manager Performance Summary

#### As of September 30, 2023

<b>Account Information</b>	on
Product Name :	TIF:For Smaller Co (TFSCX)
Fund Family:	Franklin Templeton
Ticker:	TFSCX
Peer Group:	IM International SMID Cap Core Equity (MF)
Benchmark:	MSCI AC World ex USA Small Cap (Net)
Fund Inception:	10/21/2002
Portfolio Manager:	Team Managed
Total Assets:	\$214.50 Million
Total Assets Date:	08/31/2023
Gross Expense:	1.02%
Net Expense :	1.02%
Turnover:	17%



12/20

12/19

Quarterly Out Performance

6/20

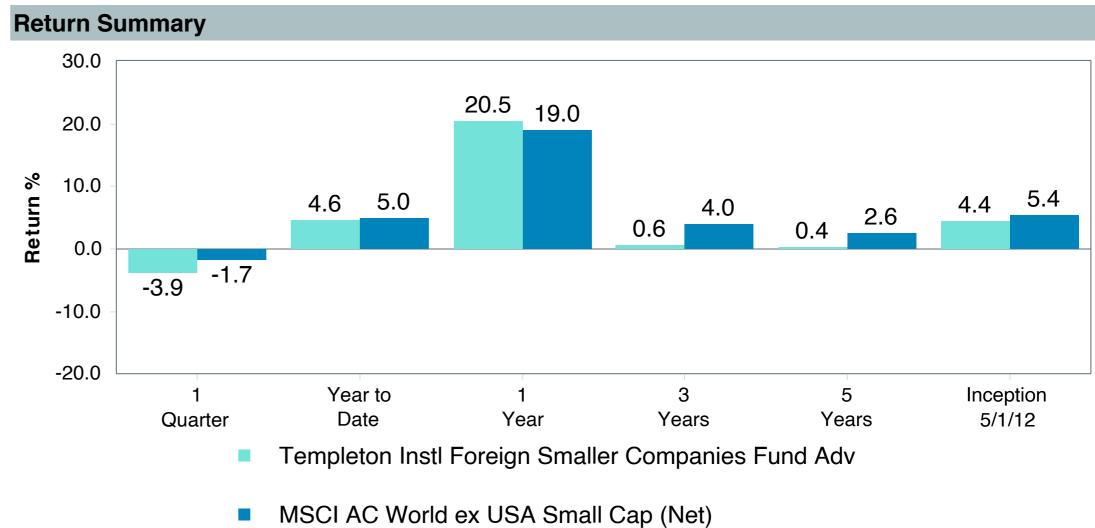
12/21

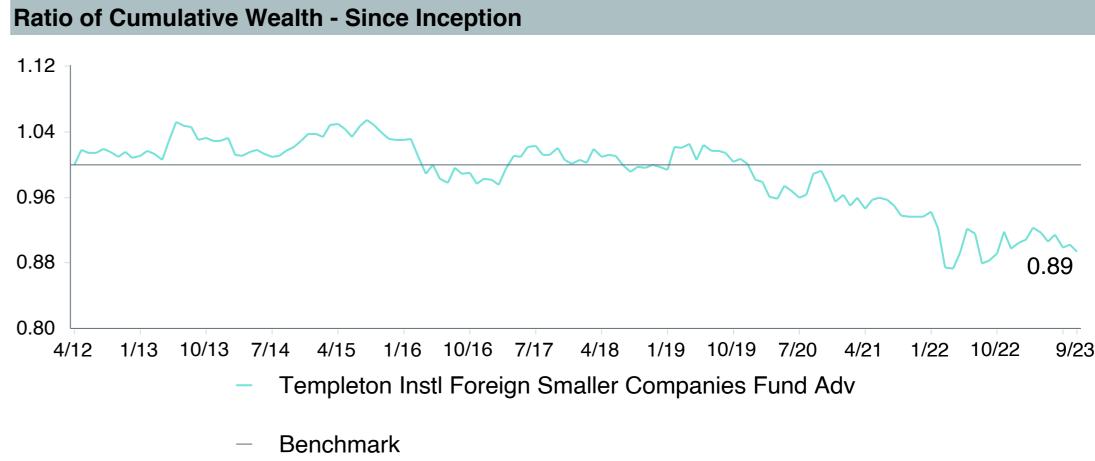
Quarterly Under Performance

6/22

12/22

9/23

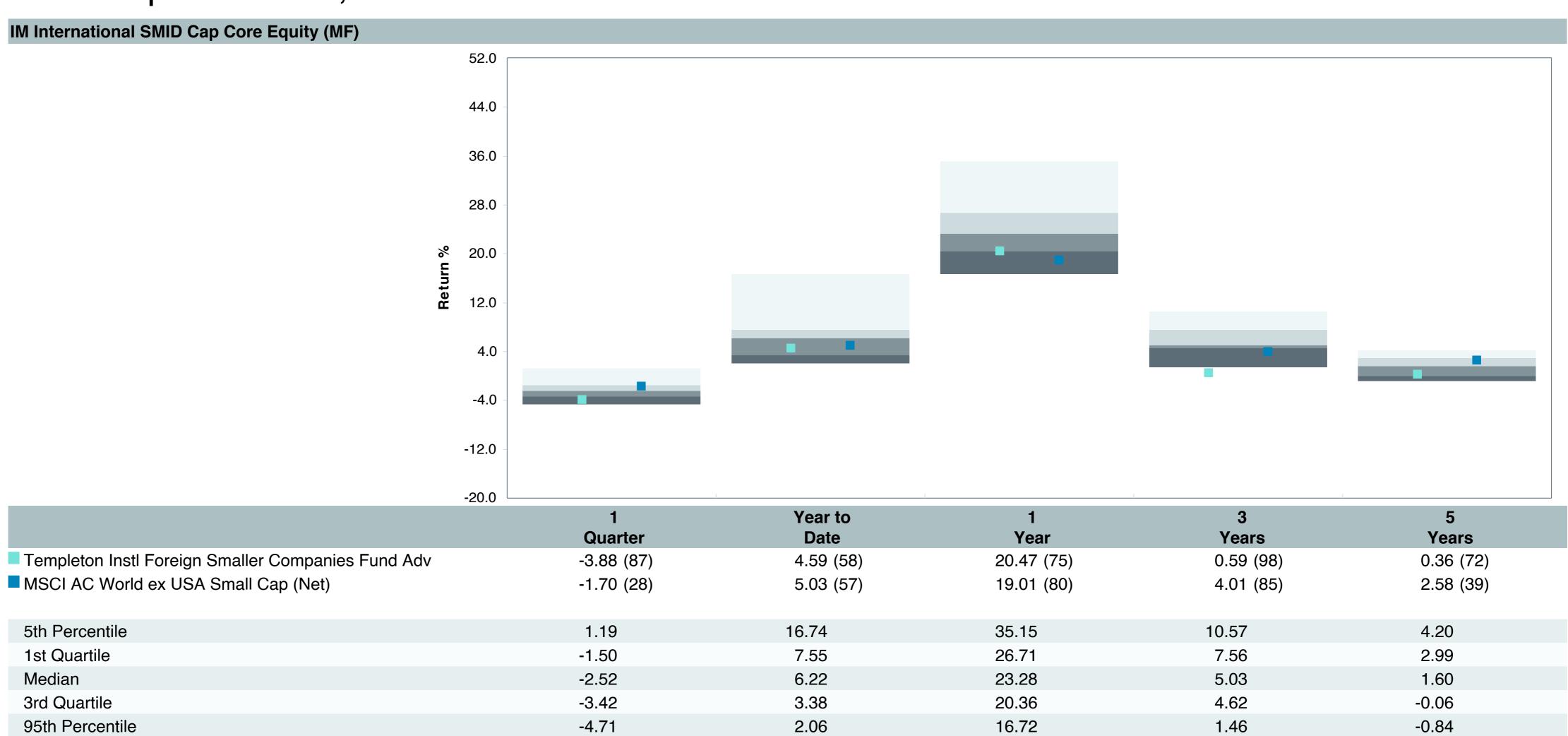






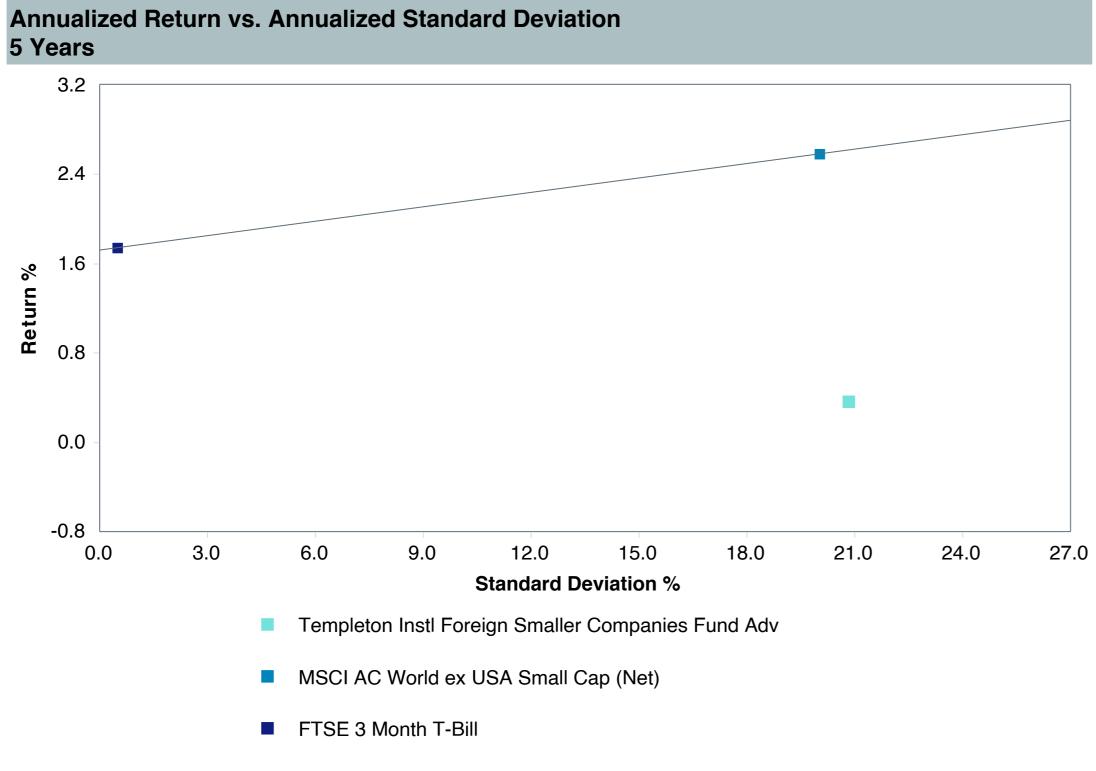
12/18

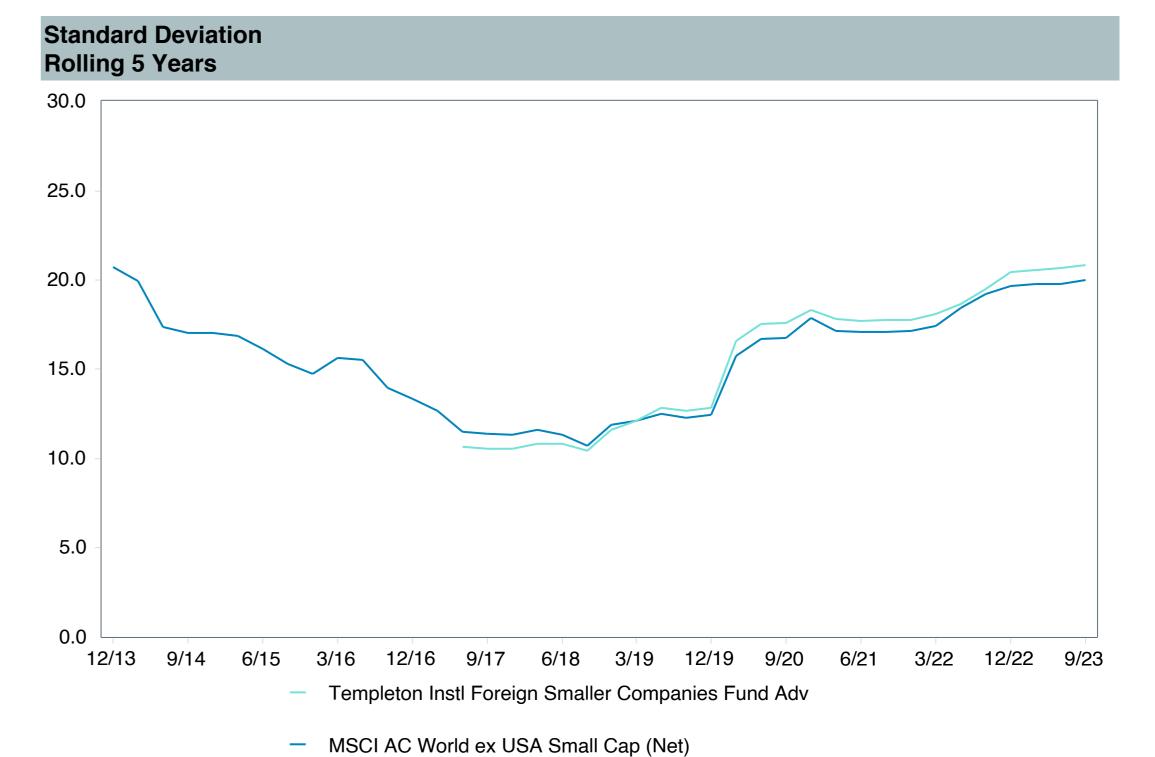
# Peer Group Analysis

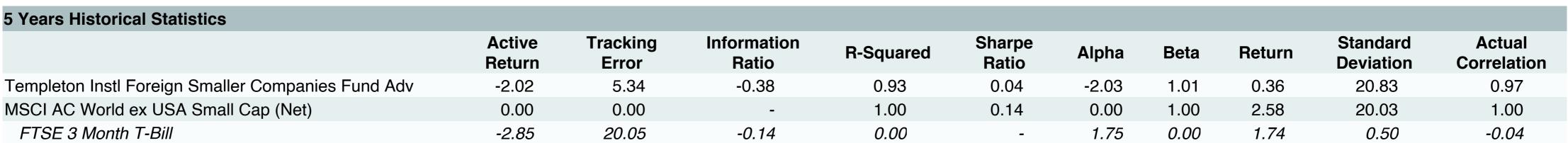




#### **Risk Profile**

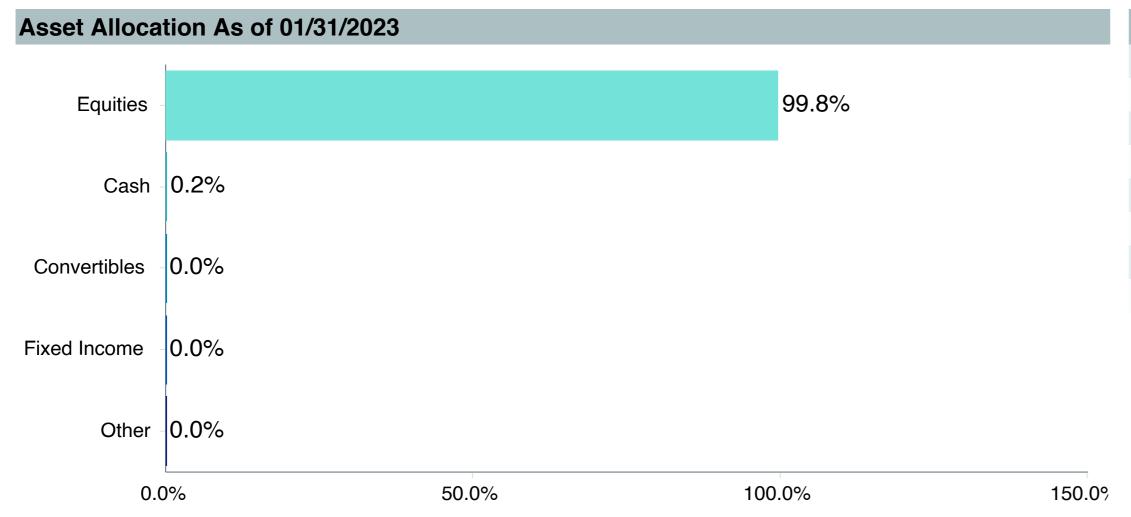






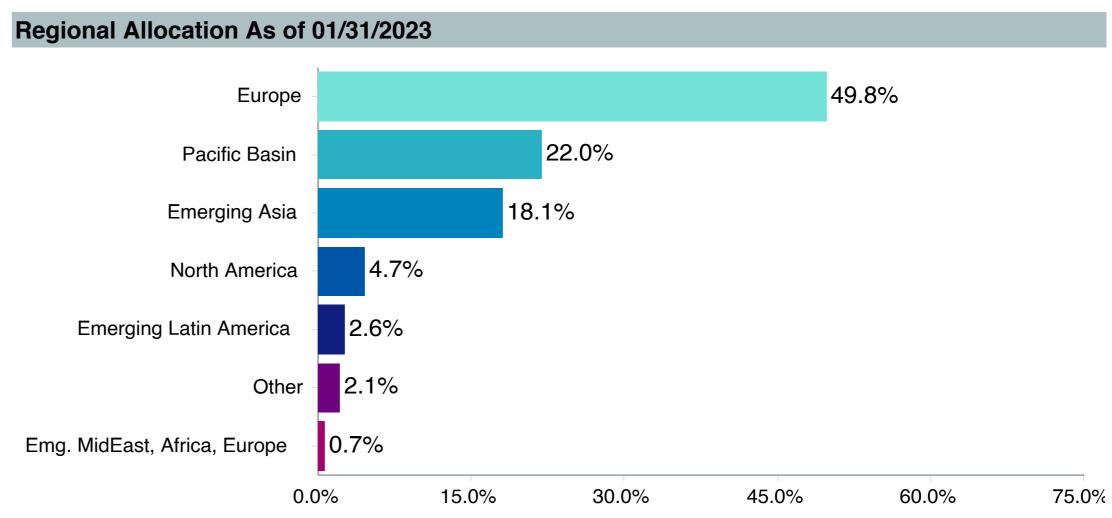


### **Mutual Fund Attributes**



<b>Fund Characteristics</b>	As of 01/31/2023
Total Securities	105
Avg. Market Cap	\$2,246.71 Million
P/E	19.44
P/B	3.11
Div. Yield	3.22%
Annual EPS	40.71
5Yr EPS	8.45
3Yr EPS Growth	10.23

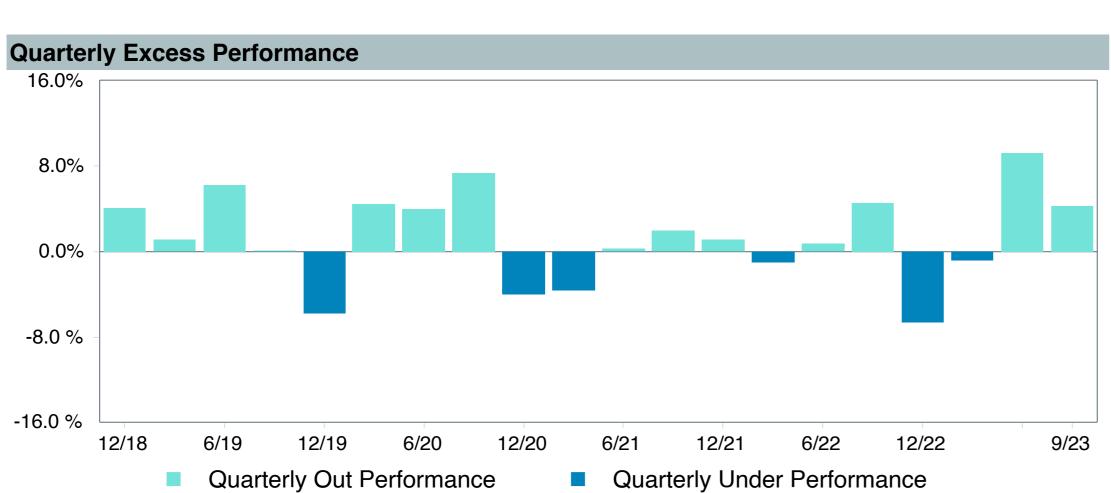
Top Ten Securities As of 01/31/2023	
Technogym SpA ORD	2.11 %
Sanlorenzo SpA ORD	2.02 %
Asics Corp ORD	1.98 %
Interpump Group SpA ORD	1.88 %
Bucher Industries AG ORD	1.82 %
Barco NV ORD	1.80 %
Man Group PLC ORD	1.78 %
TechnoPro Holdings Inc ORD	1.73 %
Rathbones Group PLC ORD	1.71 %
TGS ASA ORD	1.61 %

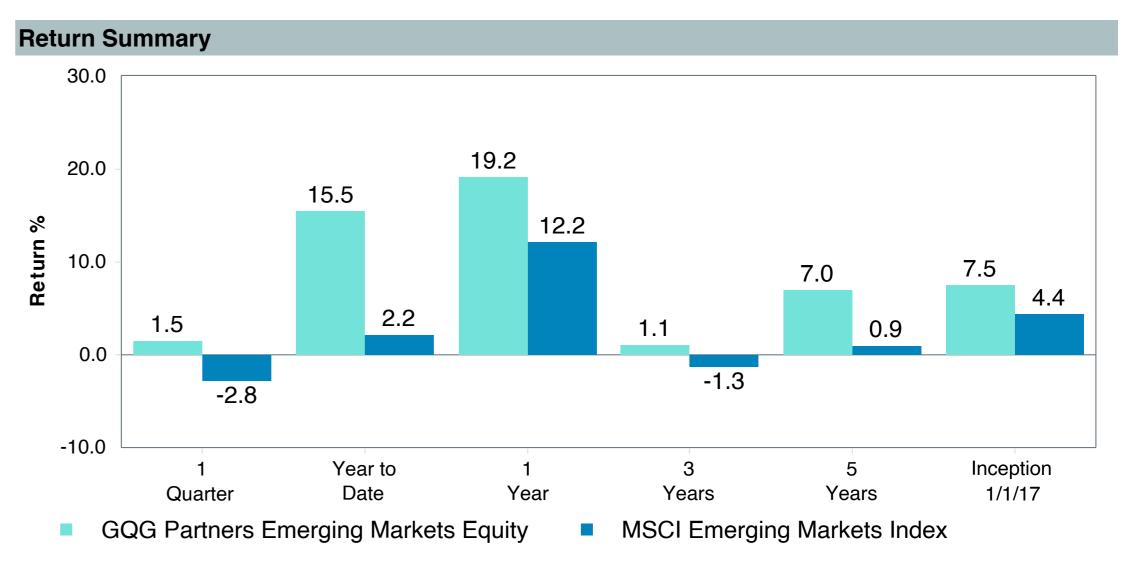


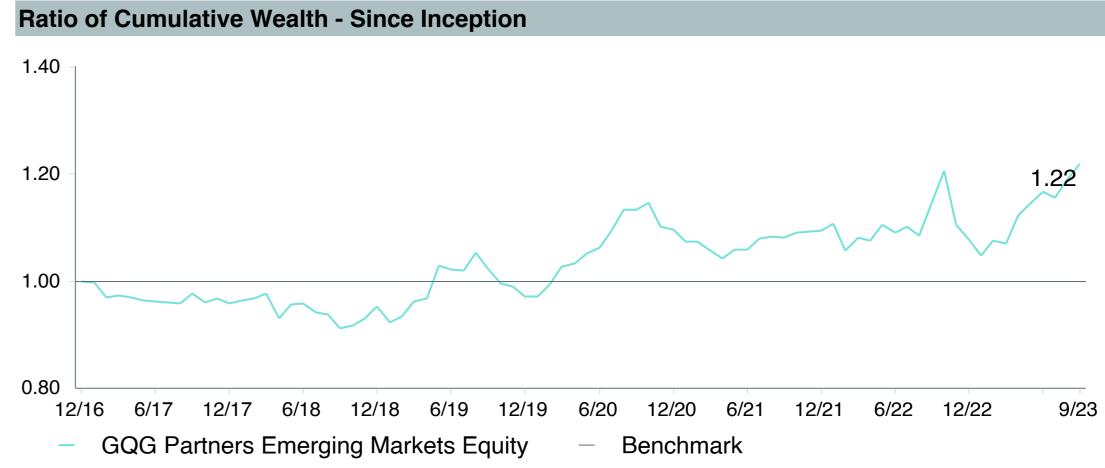


### Manager Performance Summary

<b>Account Information</b>	on
Product Name :	GQG Partners EM Eq;Inst (GQGIX)
Fund Family:	GQG Partners
Ticker:	GQGIX
Peer Group:	IM Emerging Markets Equity (MF)
Benchmark:	MSCI Emerging Markets Index
Fund Inception:	12/28/2016
Portfolio Manager:	Jain/Murthy/Kresmanc
Total Assets:	\$13,296.30 Million
Total Assets Date:	09/30/2023
Gross Expense:	0.98%
Net Expense:	0.98%
Turnover:	88%

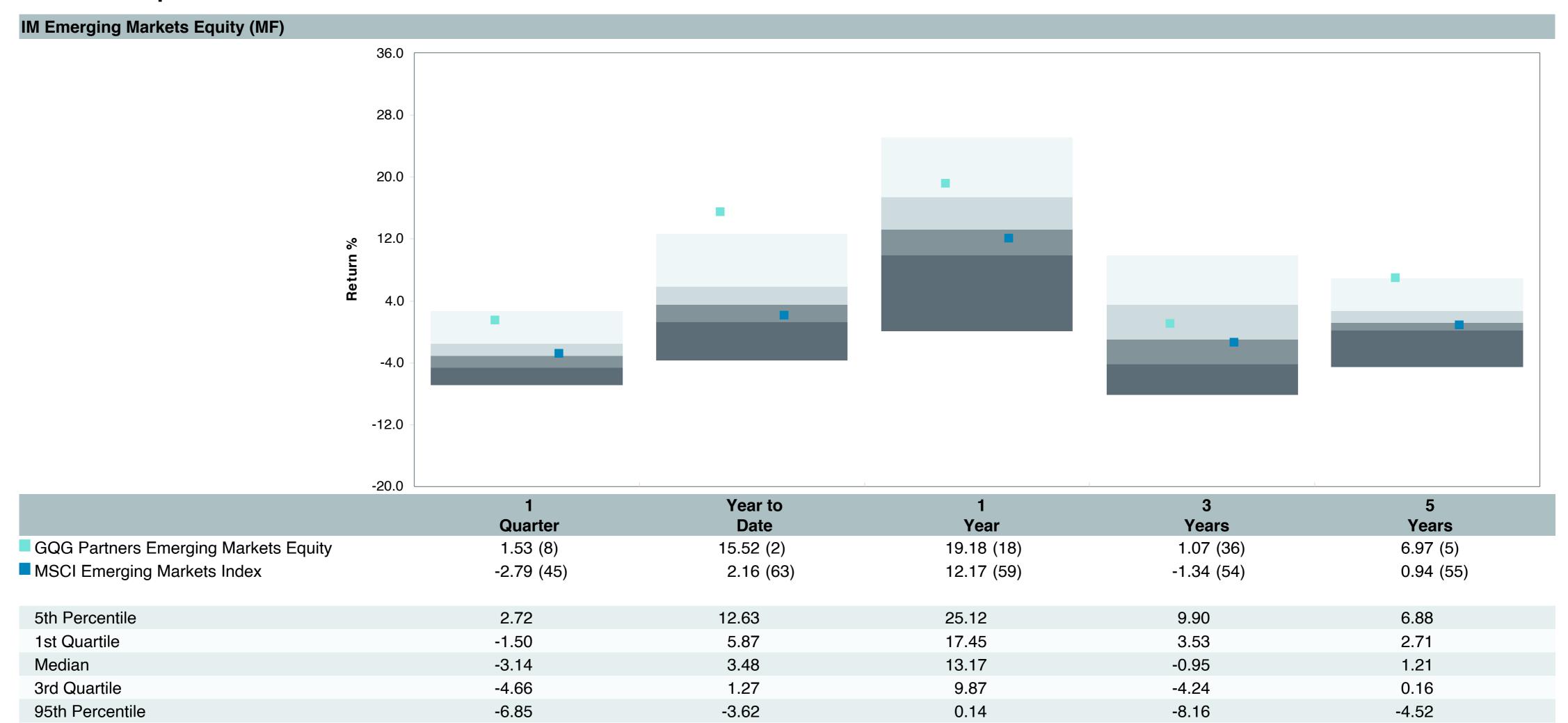






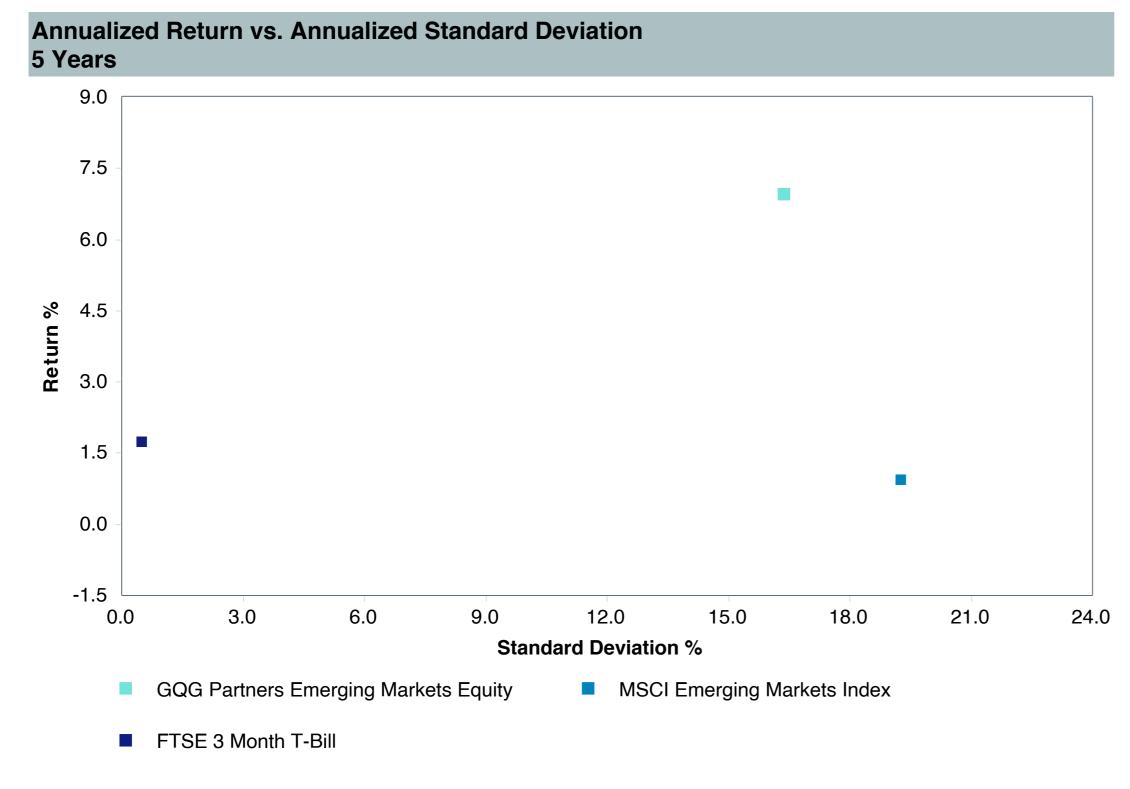


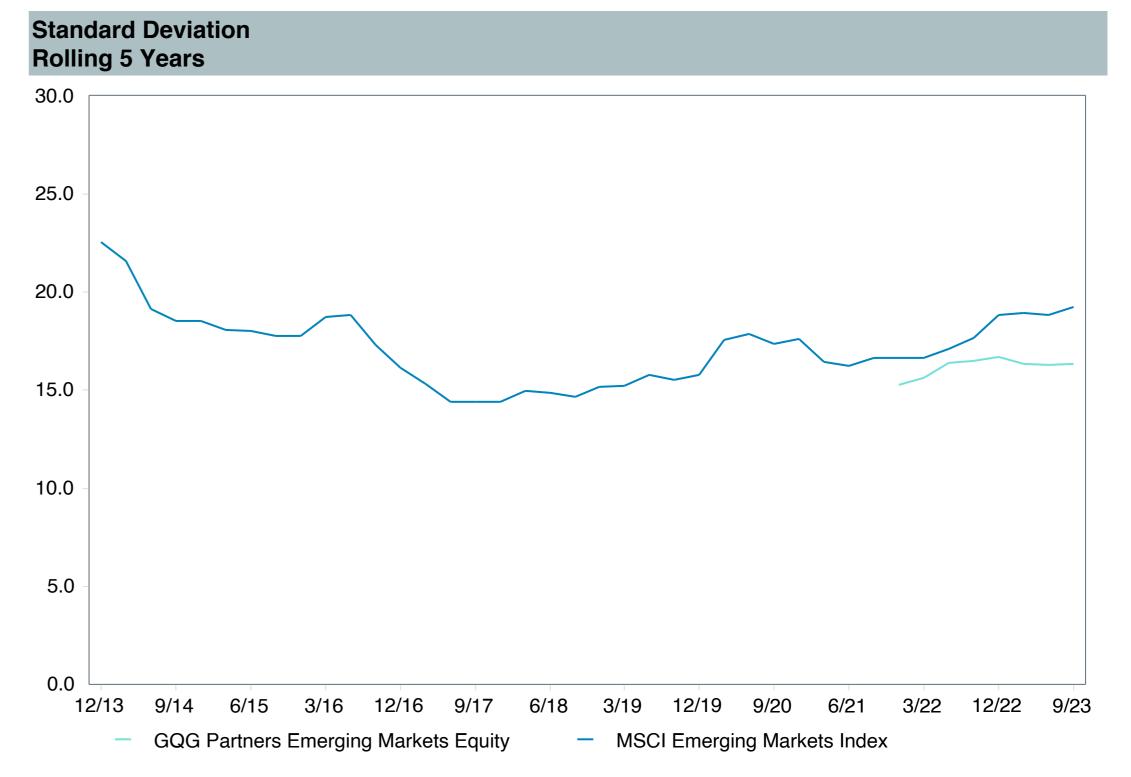
# Peer Group Analysis





#### **Risk Profile**

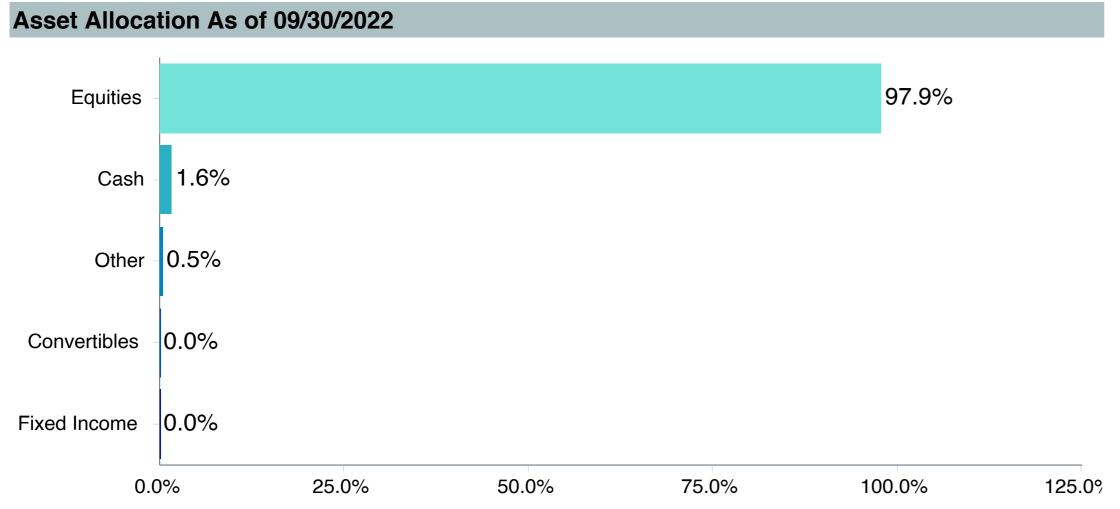




5 Years Historical Statistics										
	Active Return	Tracking Error	Information Ratio	R-Squared	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlation
GQG Partners Emerging Markets Equity	5.32	9.11	0.58	0.78	0.39	6.18	0.75	6.97	16.37	0.88
MSCI Emerging Markets Index	0.00	0.00	-	1.00	0.05	0.00	1.00	0.94	19.25	1.00
FTSE 3 Month T-Bill	-1.03	19.27	-0.05	0.00	-	1.74	0.00	1.74	0.50	-0.02

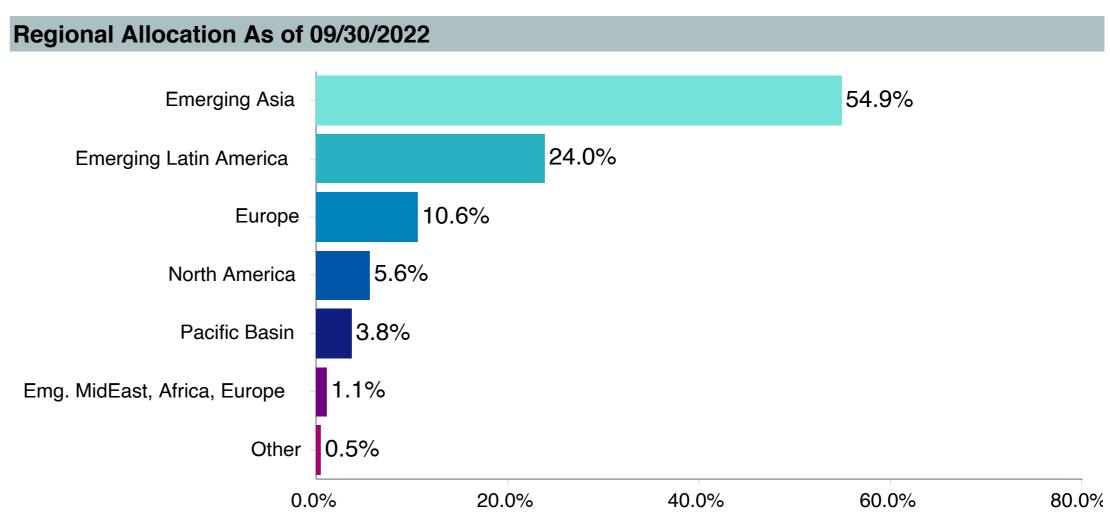


#### **Mutual Fund Attributes**



<b>Fund Characteristics</b>	As of 09/30/2022
Total Securities	73
Avg. Market Cap	\$87,381.77 Million
P/E	18.51
P/B	3.60
Div. Yield	6.20%
Annual EPS	51.25
5Yr EPS	19.04
3Yr EPS Growth	23.70

Top Ten Securities As of 09/30/2022	
ITC Ltd ORD	6.26 %
PETROLEO BRASILEIRO ADR REPSTG	5.05 %
Housing Development Finance Corporation	4.79 %
Vale SA ORD	4.53 %
Reliance Industries Ltd ORD	4.27 %
Wal Mart de Mexico SAB de CV ORD	3.49 %
TotalEnergies SE ORD	2.93 %
ICICI Bank Ltd ORD	2.79 %
Heineken NV ORD	2.70 %
Petroleo Brasileiro SA Petrobras	2.67 %

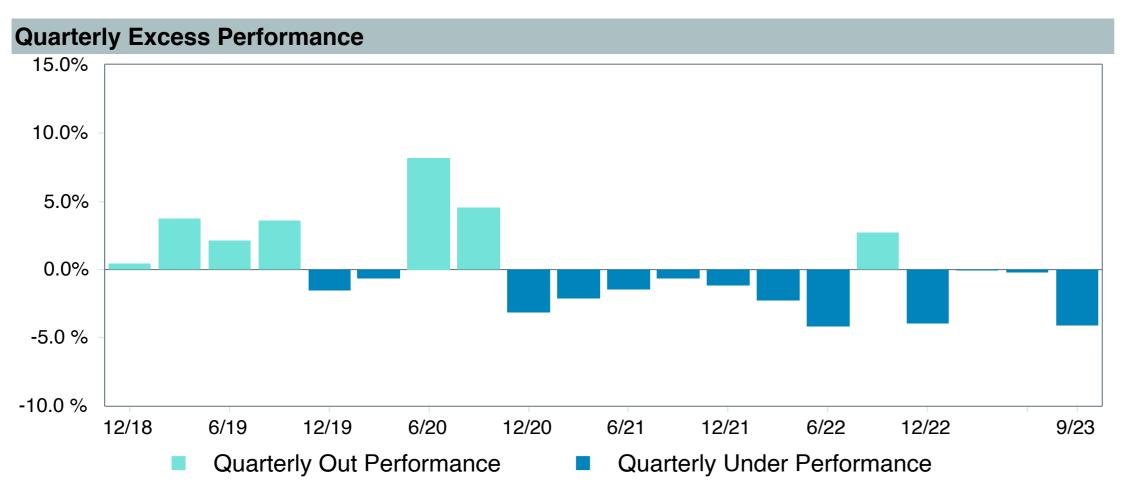


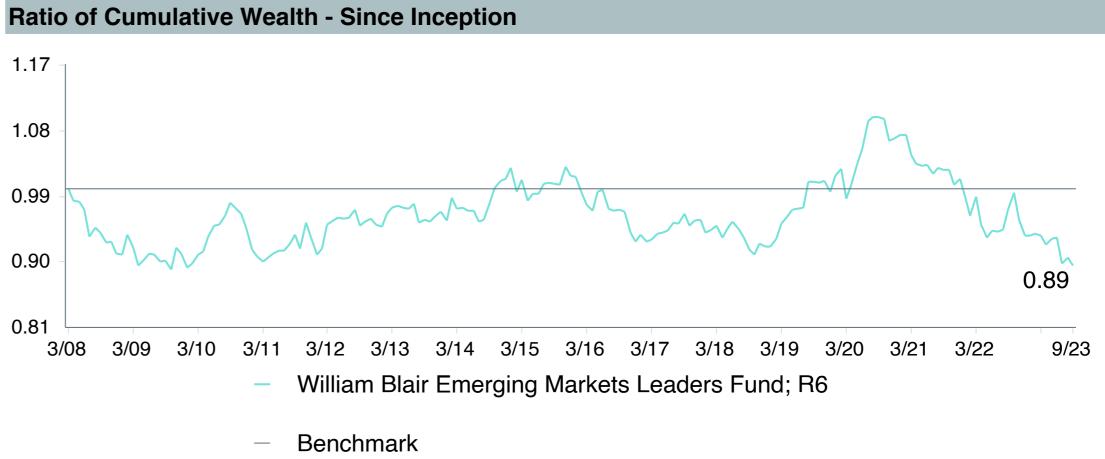


### Manager Performance Summary

<b>Account Information</b>	on
Product Name :	WM Blair:Em Mkt Ldr;R6 (WELIX)
Fund Family:	William Blair
Ticker:	WELIX
Peer Group:	IM Emerging Markets Equity (MF)
Benchmark:	MSCI Emerging Markets Index
Fund Inception:	03/26/2008
Portfolio Manager:	McClone/McAtamney/Scott-Gall
Total Assets:	\$227.10 Million
Total Assets Date :	09/30/2023
Gross Expense:	1.05%
Net Expense:	0.94%
Turnover:	42%

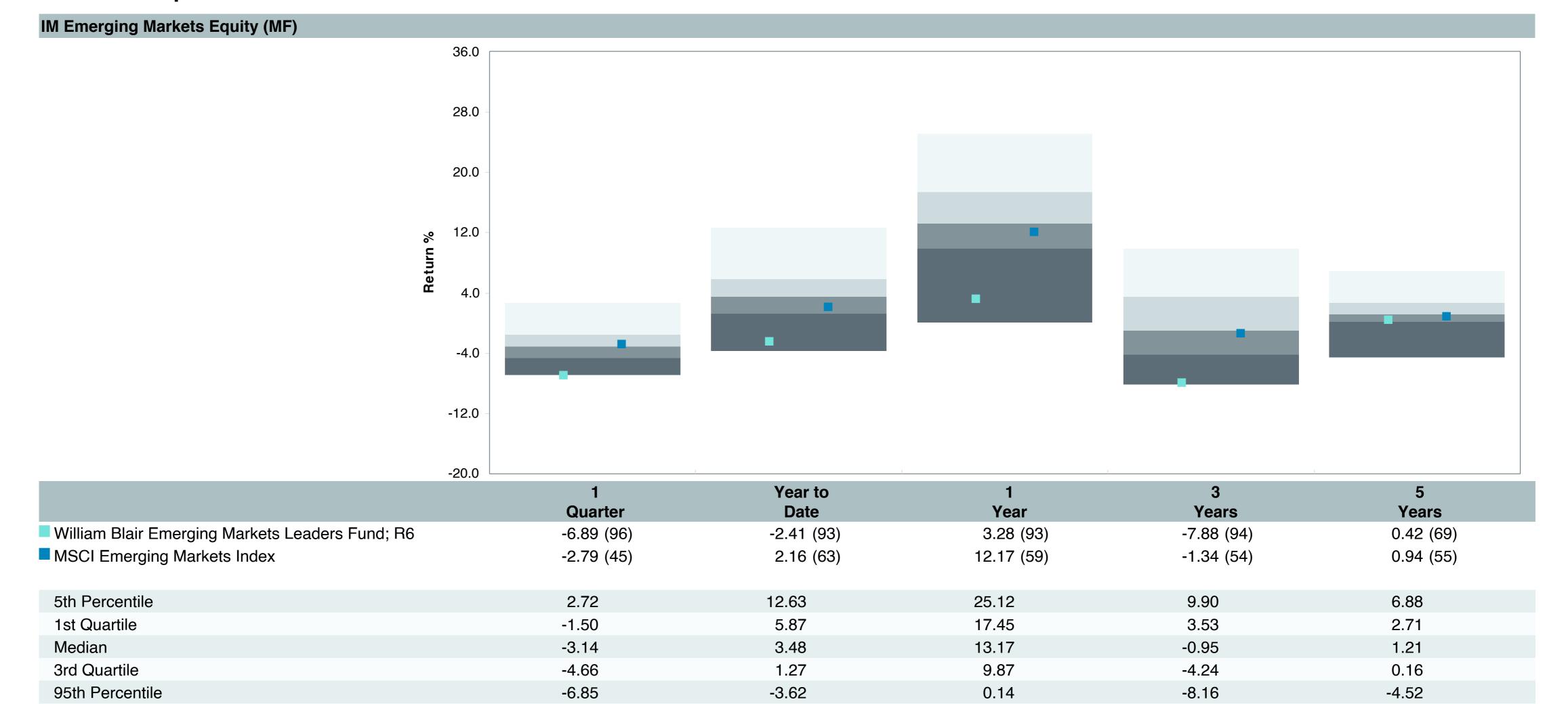






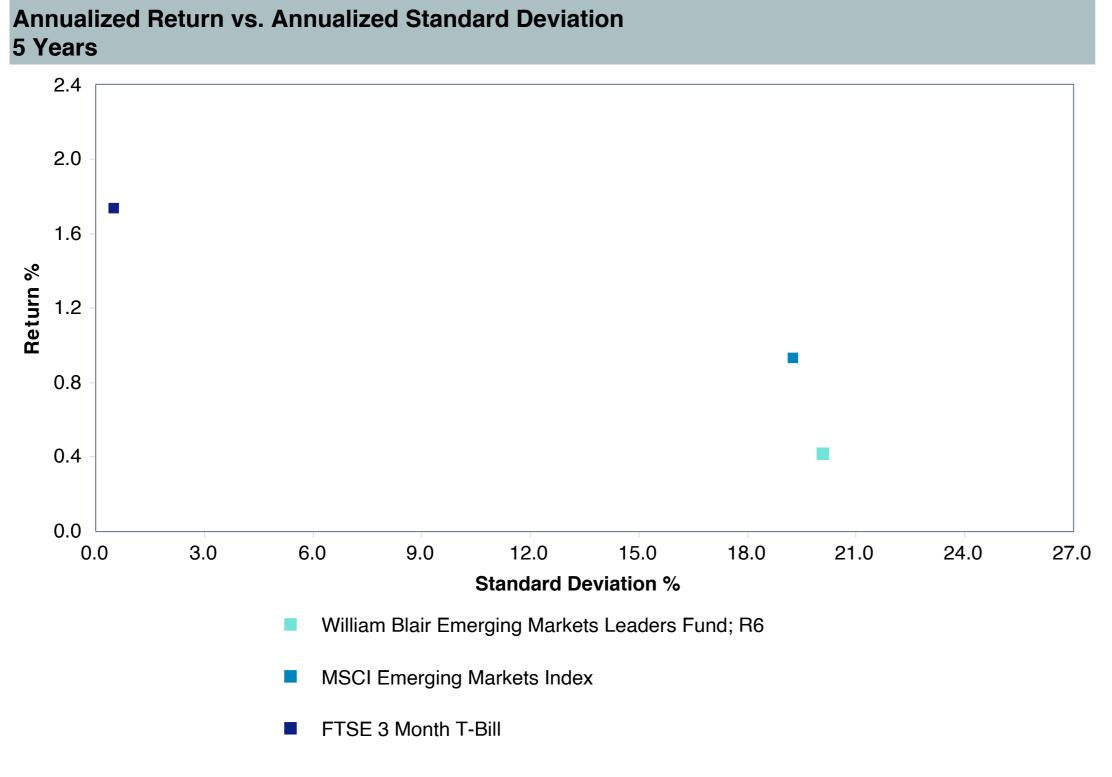


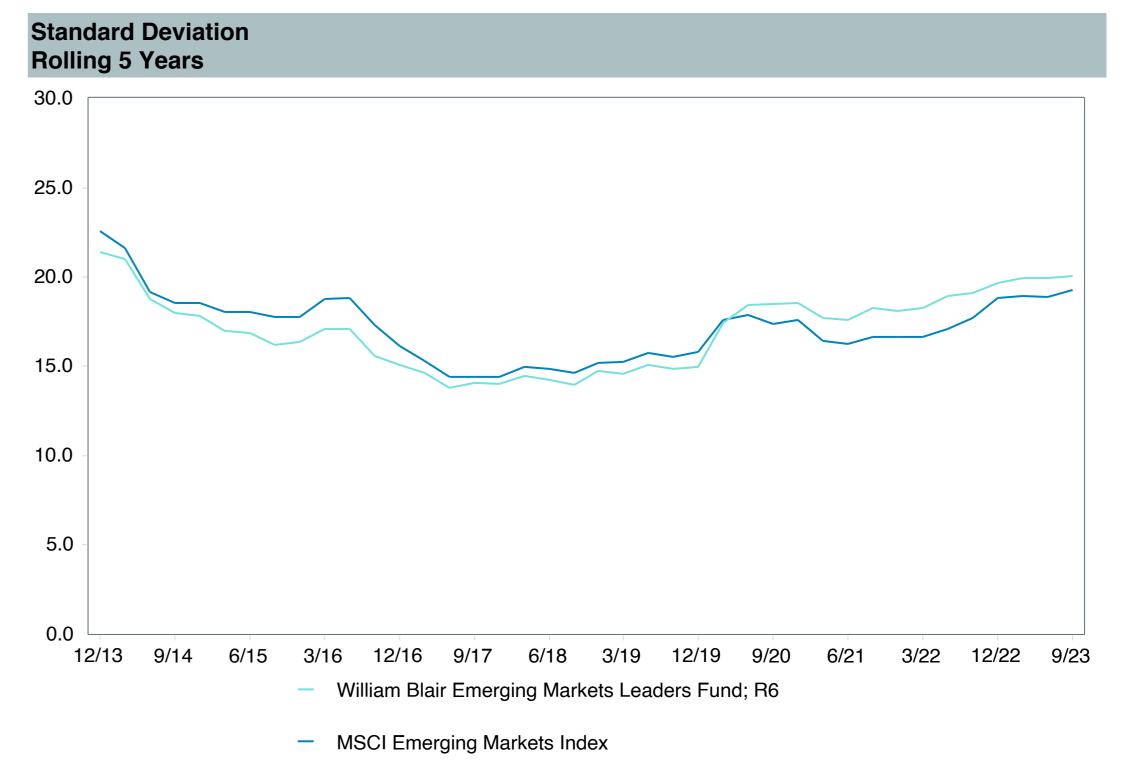
# Peer Group Analysis





#### **Risk Profile**

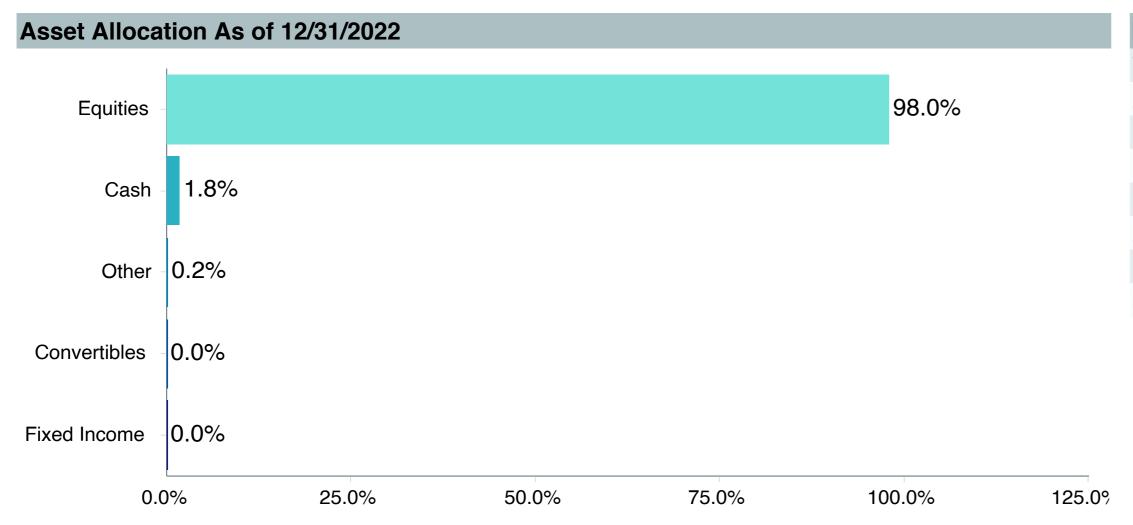




5 Years Historical Statistics										
	Active Return	Tracking Error	Information Ratio	R-Squared	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlation
William Blair Emerging Markets Leaders Fund; R6	-0.33	6.27	-0.05	0.90	0.03	-0.30	0.99	0.42	20.07	0.95
MSCI Emerging Markets Index	0.00	0.00	-	1.00	0.05	0.00	1.00	0.94	19.25	1.00
FTSE 3 Month T-Bill	-1.03	19.27	-0.05	0.00	-	1.74	0.00	1.74	0.50	-0.02

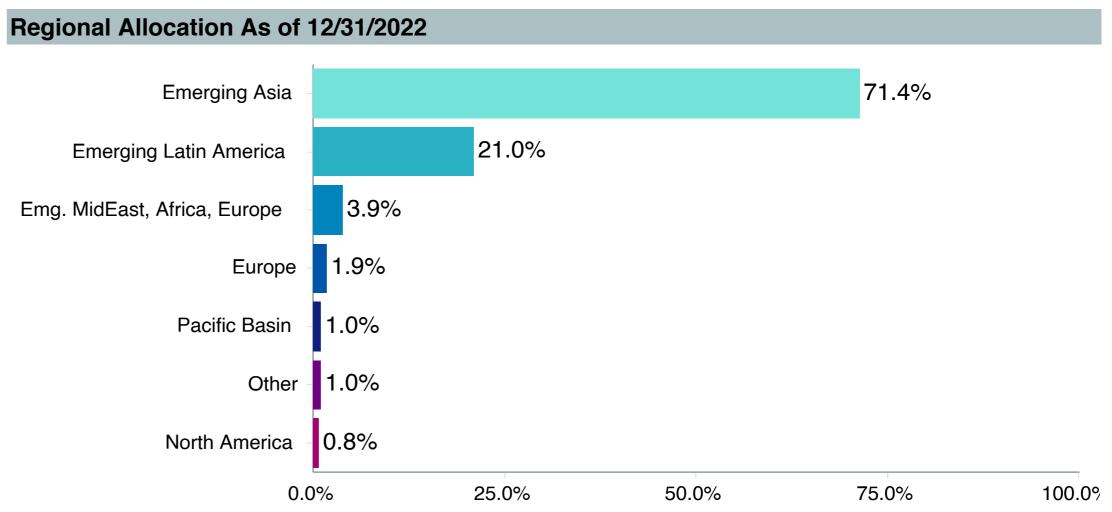


#### **Mutual Fund Attributes**



s As of 12/31/2022
55
\$100,443.08 Million
33.66
6.74
1.81%
32.35
17.00
18.73

Top Ten Securities As of 12/31/2022	
Reliance Industries Ltd ORD	6.10 %
TAIWAN SEMICONDUCTOR MNFTG ADR	5.45 %
Tencent Holdings Ltd ORD	4.58 %
Bank Central Asia Tbk PT ORD	4.09 %
Alibaba Group Holding Ltd ORD	3.78 %
Wal Mart de Mexico SAB de CV ORD	3.42 %
HDFC Bank Ltd ORD	3.40 %
Infosys Ltd ORD	3.26 %
B3 SA Brasil Bolsa Balcao ORD	2.99 %
China Tourism Group Duty Free Corp	2.83 %





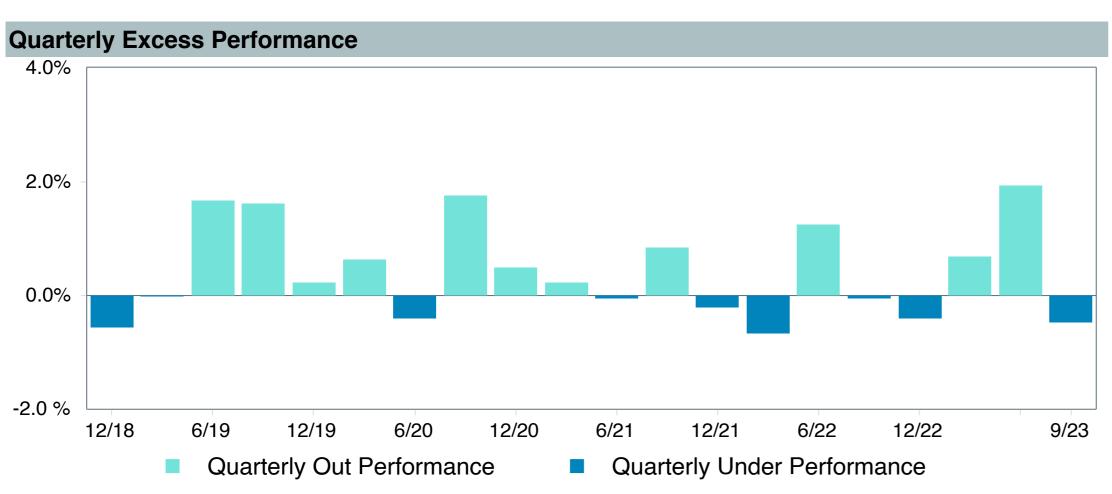
# Real Estate

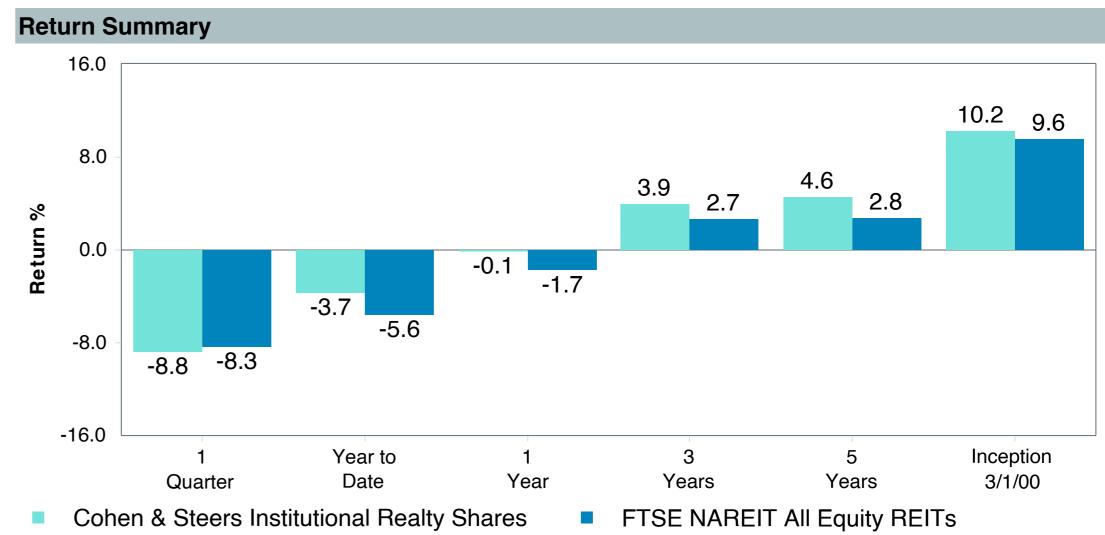


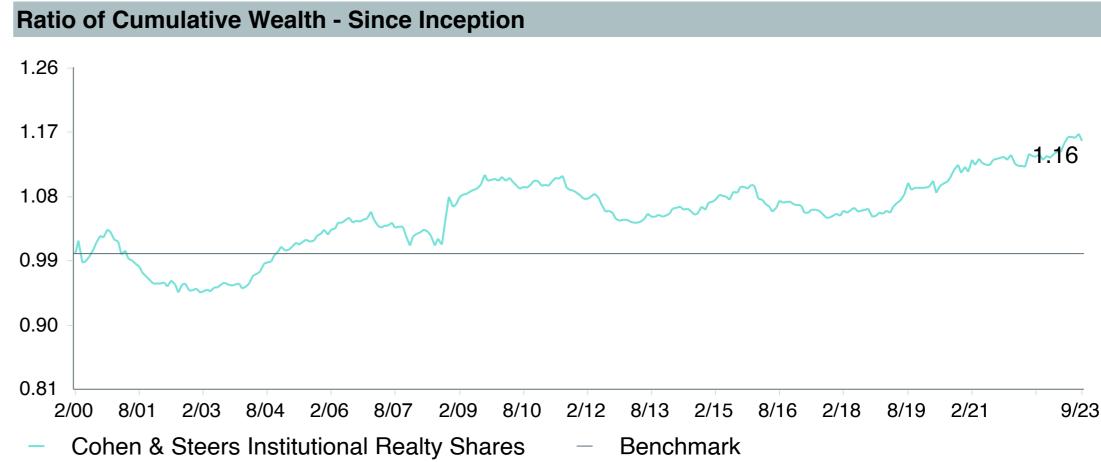


### Manager Performance Summary

<b>Account Information</b>	on
Product Name :	Cohen&Steers Inst RS (CSRIX)
Fund Family:	Cohen & Steers
Ticker:	CSRIX
Peer Group:	IM Real Estate Sector (MF)
Benchmark:	FTSE NAREIT All Equity REITs
Fund Inception:	02/14/2000
Portfolio Manager:	Cheigh/Yablon/Kirschner
Total Assets:	\$5,956.90 Million
Total Assets Date:	08/31/2023
Gross Expense:	0.76%
Net Expense :	0.75%
Turnover:	34%

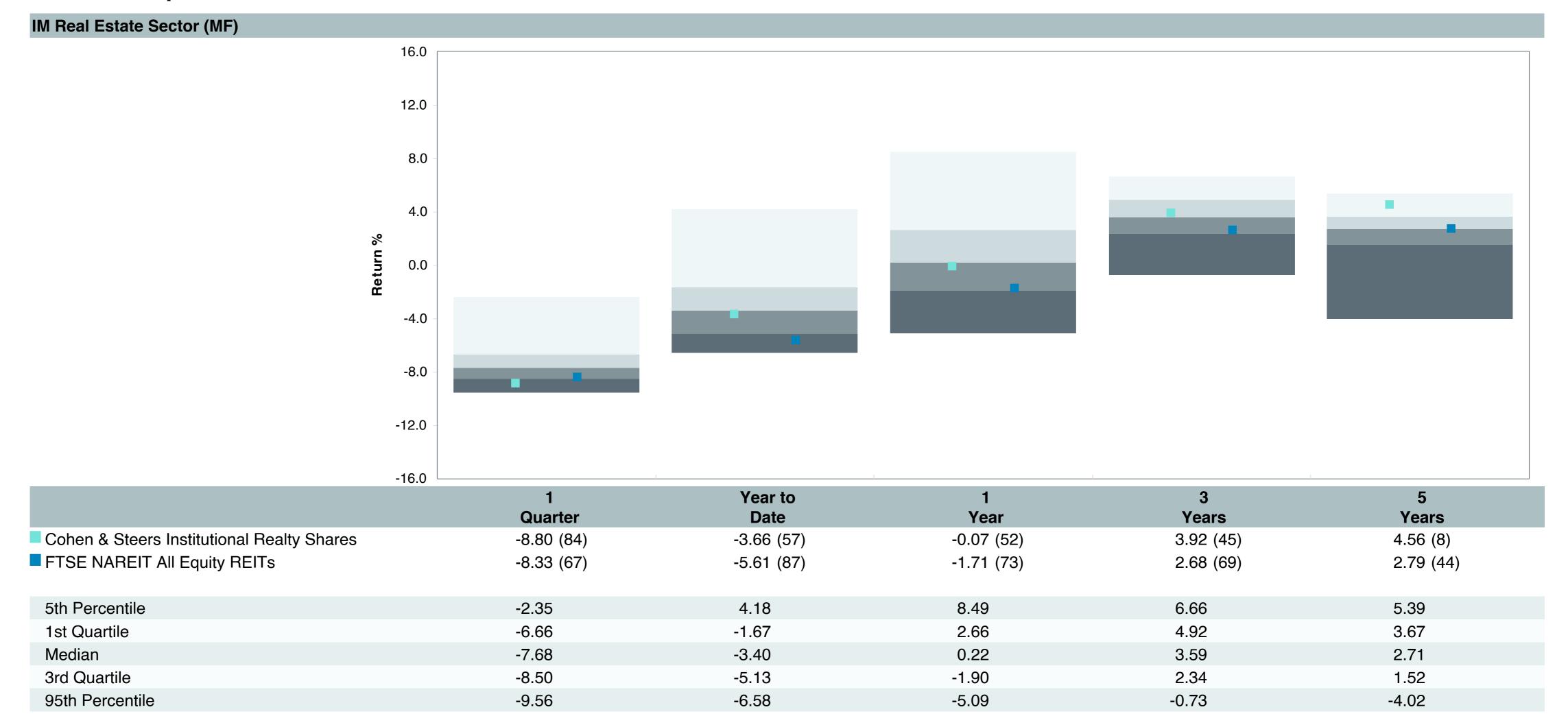






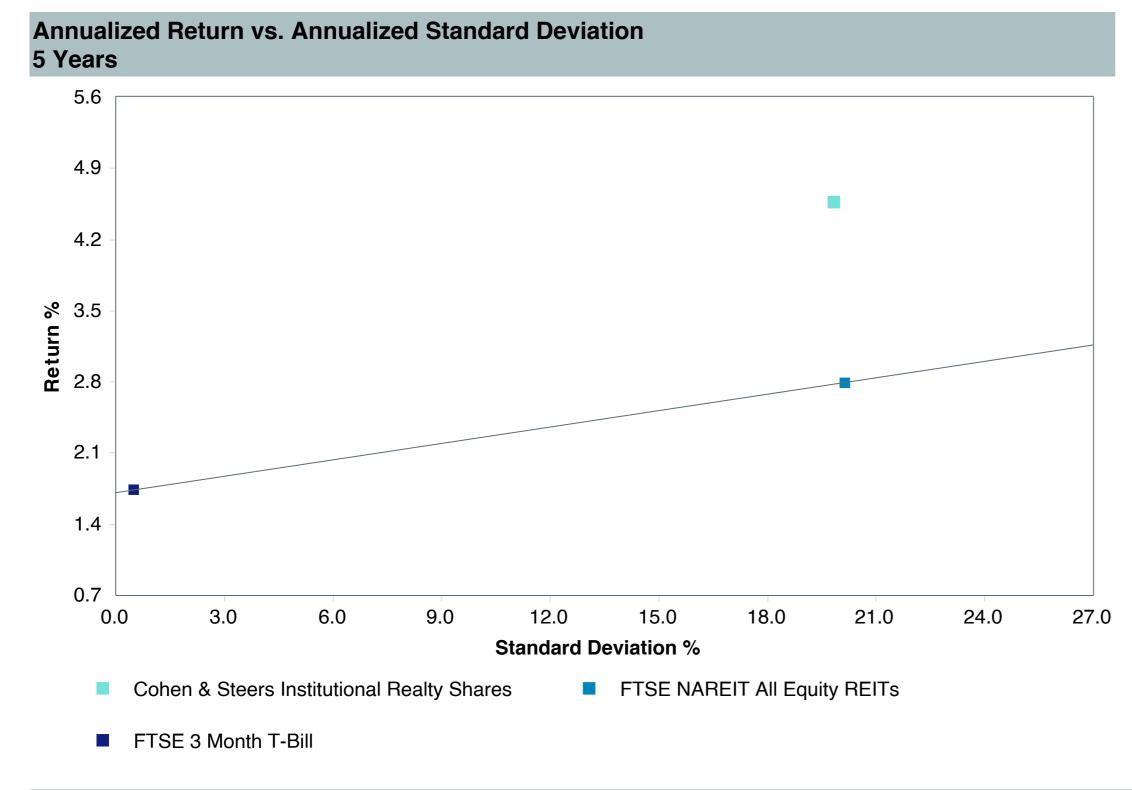


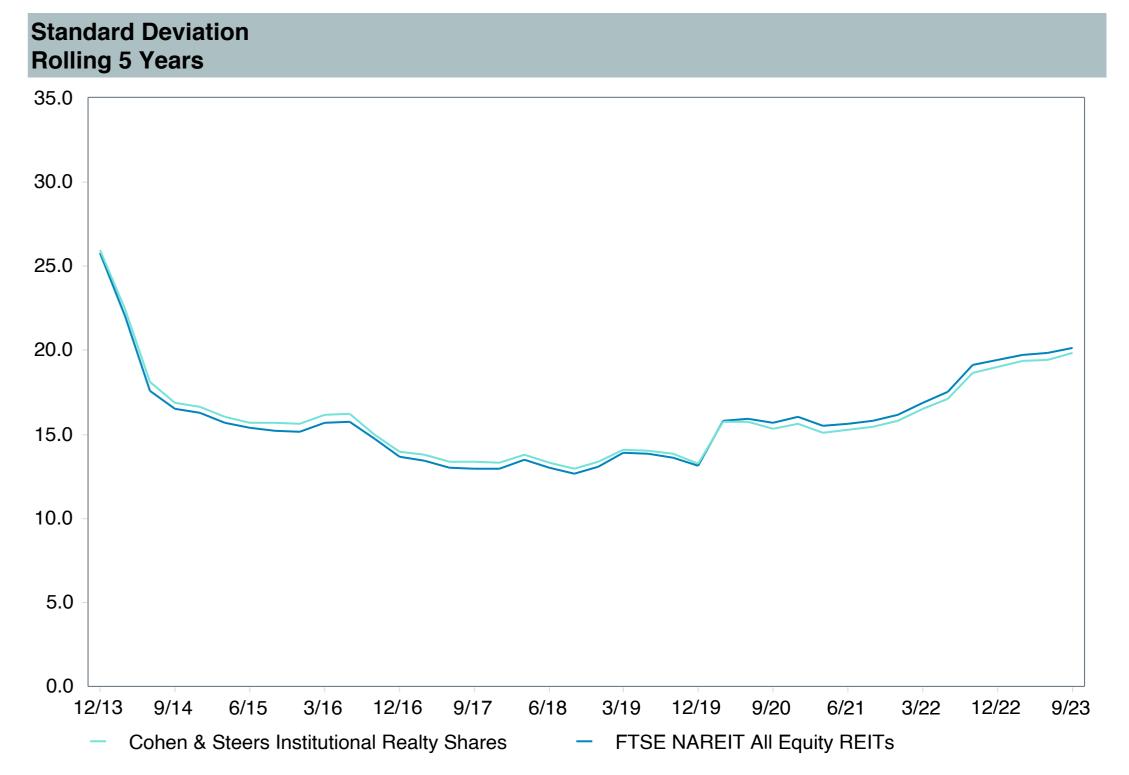
# Peer Group Analysis





#### **Risk Profile**

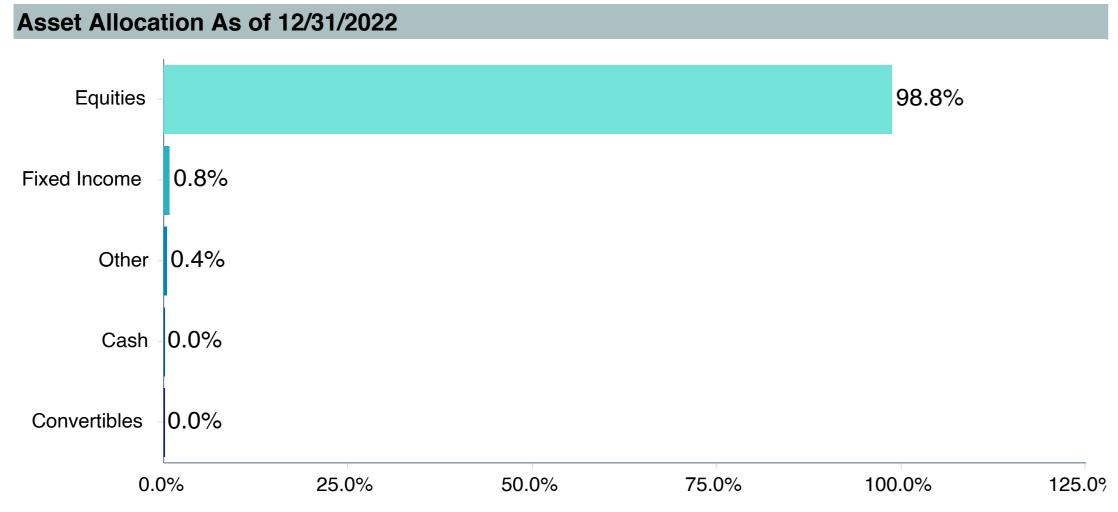




5 Years Historical Statistics										
	Active Return	Tracking Error	Information Ratio	R-Squared	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlation
Cohen & Steers Institutional Realty Shares	1.64	2.24	0.73	0.99	0.24	1.77	0.98	4.56	19.82	0.99
FTSE NAREIT All Equity REITs	0.00	0.00	-	1.00	0.15	0.00	1.00	2.79	20.15	1.00
FTSE 3 Month T-Bill	-3.07	20.21	-0.15	0.01	-	1.76	0.00	1.74	0.50	-0.12

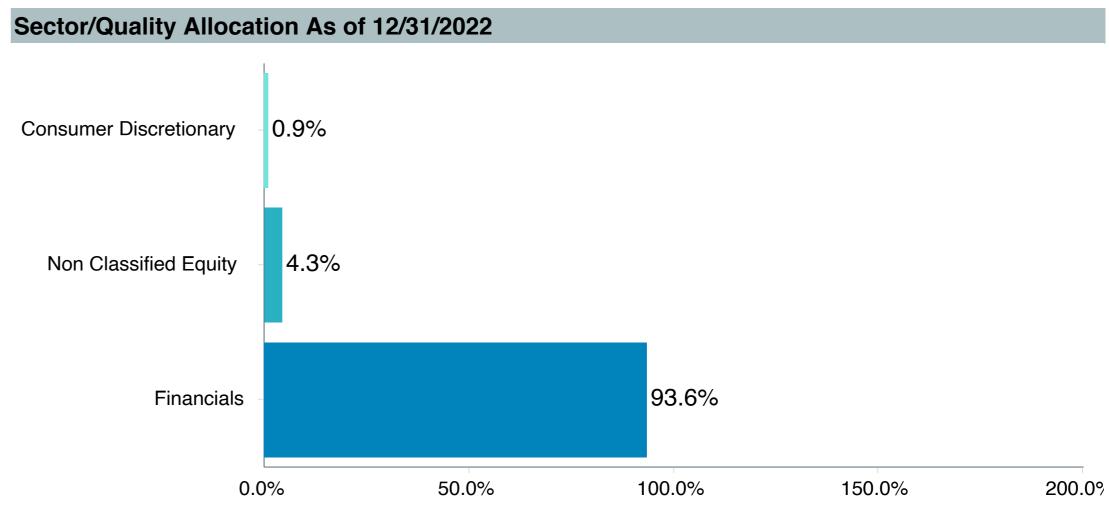


### **Mutual Fund Attributes**



<b>Fund Characteristics</b>	As of 12/31/2022
Total Securities	33
Avg. Market Cap	\$39,697.23 Million
P/E	33.92
P/B	4.53
Div. Yield	3.56%
Annual EPS	62.95
5Yr EPS	5.46
3Yr EPS Growth	13.34

Top Ten Securities As of 12/31/2022	
Prologis Inc ORD	10.01 %
Welltower Inc ORD	7.18 %
American Tower Corp ORD	6.89 %
Public Storage ORD	6.85 %
Digital Realty Trust Inc ORD	6.44 %
Simon Property Group Inc ORD	6.24 %
Realty Income Corp ORD	5.25 %
Invitation Homes Inc ORD	4.69 %
Crown Castle Inc ORD	4.01 %
Equinix Inc ORD	3.47 %





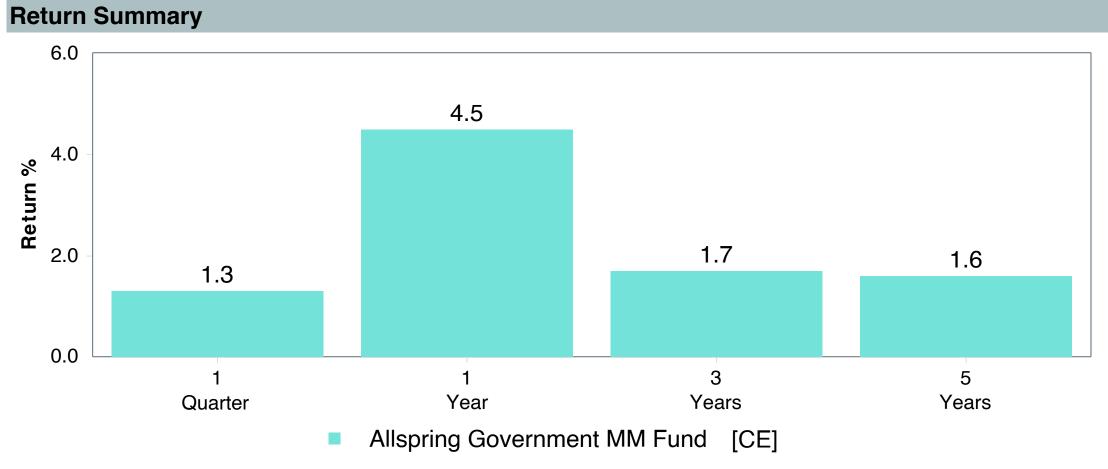
# **Cash Equivalents**

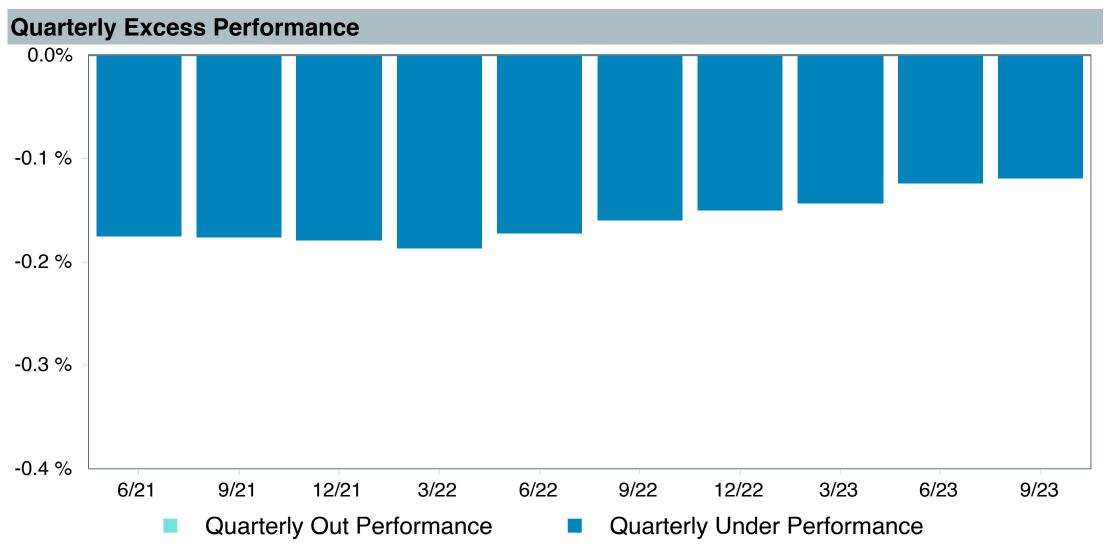


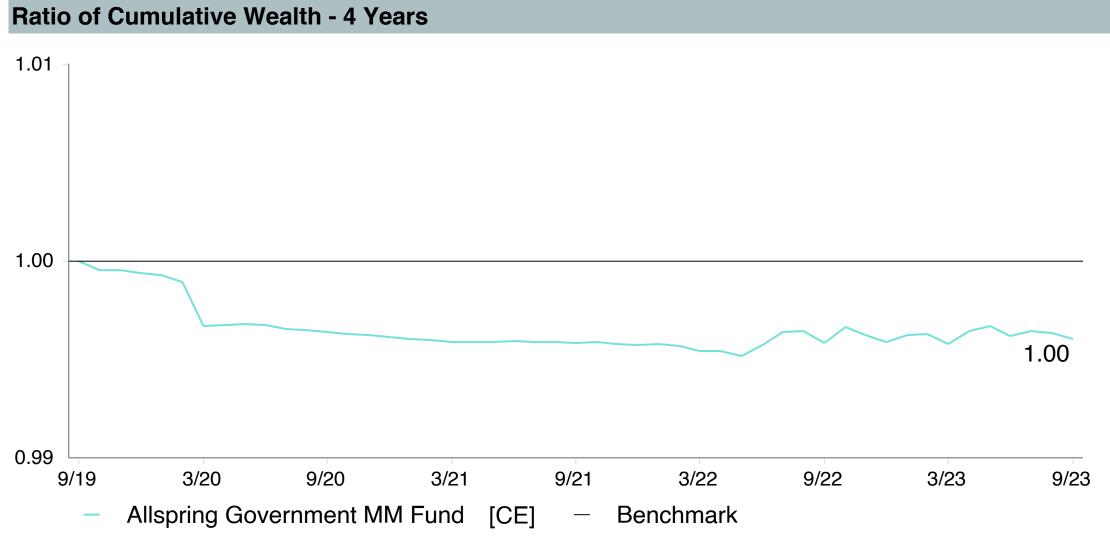


### Manager Performance Summary

<b>Account Informat</b>	ion
Account Name	Allspring Government MM Fund
Inception Date	04/01/2008
Account Structure	Commingled Fund
Asset Class	US Fixed Income
Benchmark	90 Day U.S. Treasury Bill
Peer Group	IM U.S. Taxable Money Market (MF)

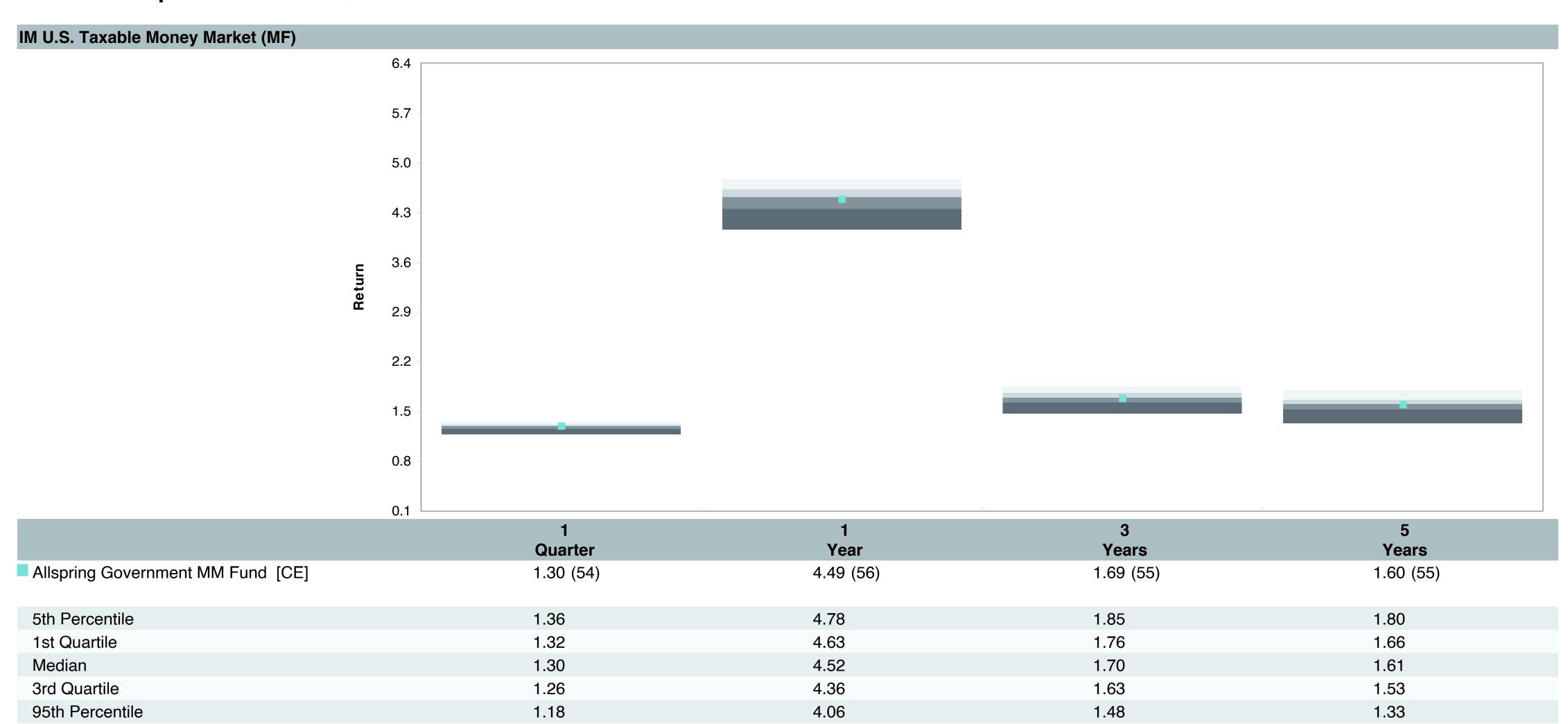






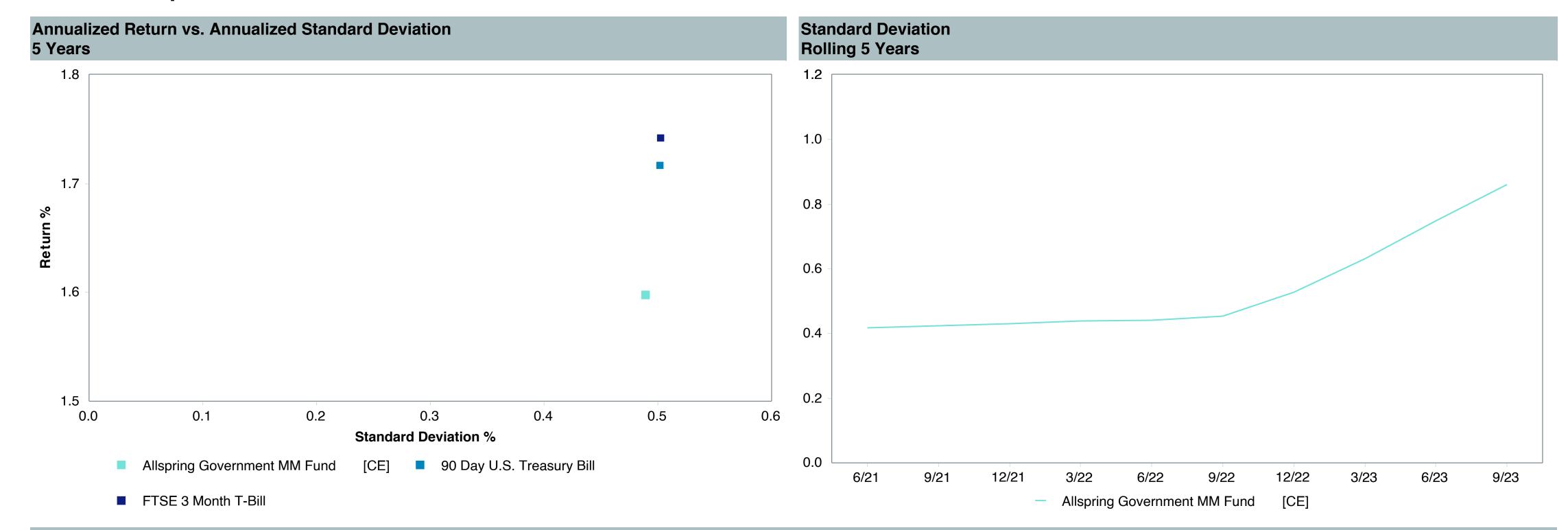


# Peer Group Analysis





### Risk Profile



5 Years Historical Statistics										
	Active Return	Tracking Error	Information Ratio	R-Squared	Sharpe Ratio	Alpha	Beta	Return	Standard Deviation	Actual Correlation
Allspring Government MM Fund [CE]	-0.12	0.14	-0.85	0.93	-3.02	-0.01	0.94	1.60	0.49	0.96
90 Day U.S. Treasury Bill	0.00	0.00	-	1.00	-0.21	0.00	1.00	1.72	0.50	1.00
FTSE 3 Month T-Bill	0.03	0.12	0.21	0.94	-	0.07	0.97	1.74	0.50	0.97

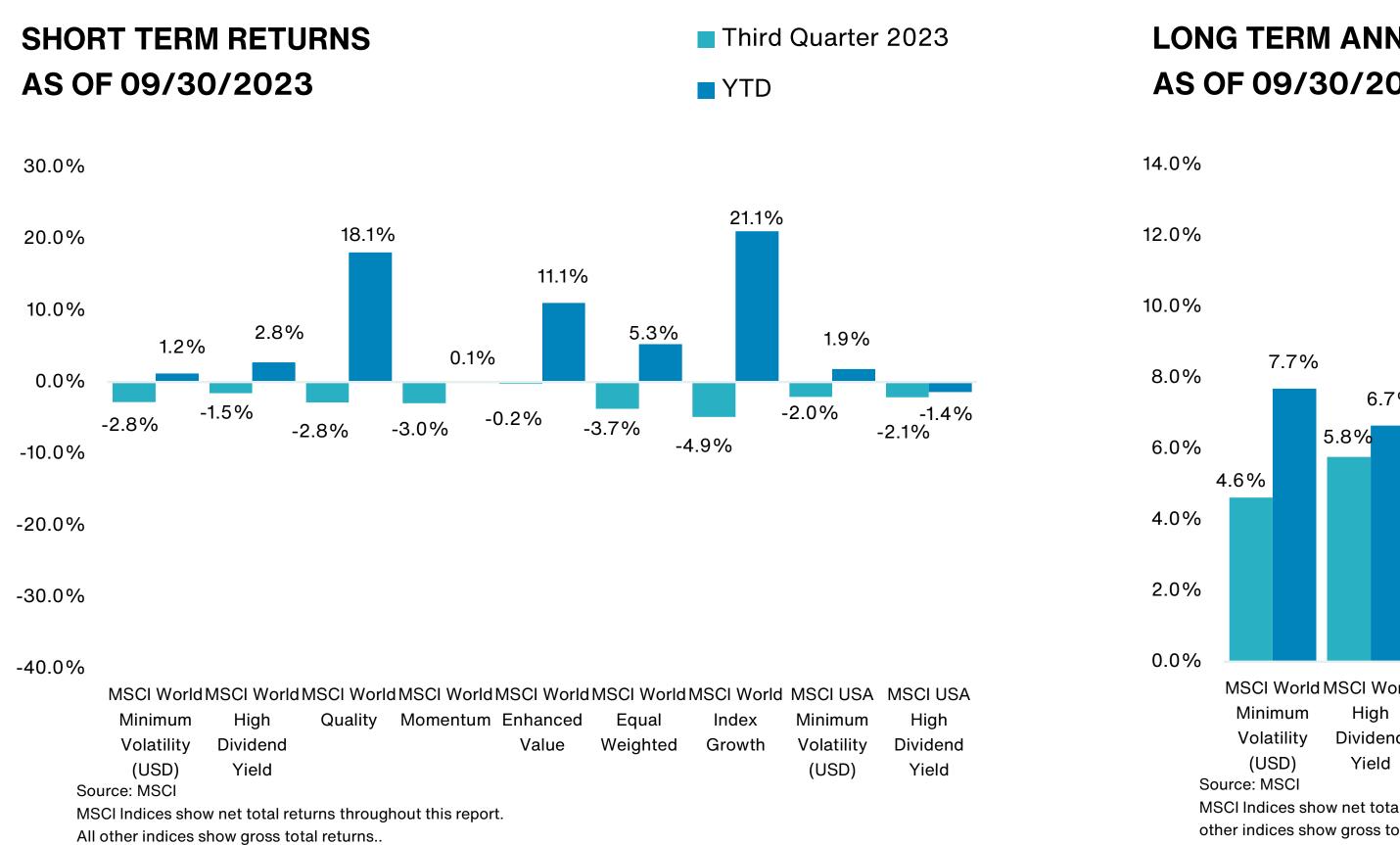


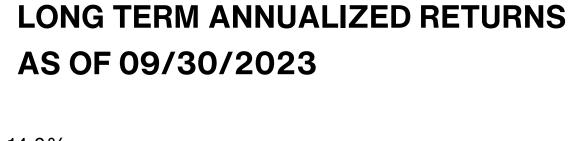
# **Appendix**

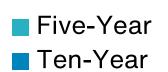


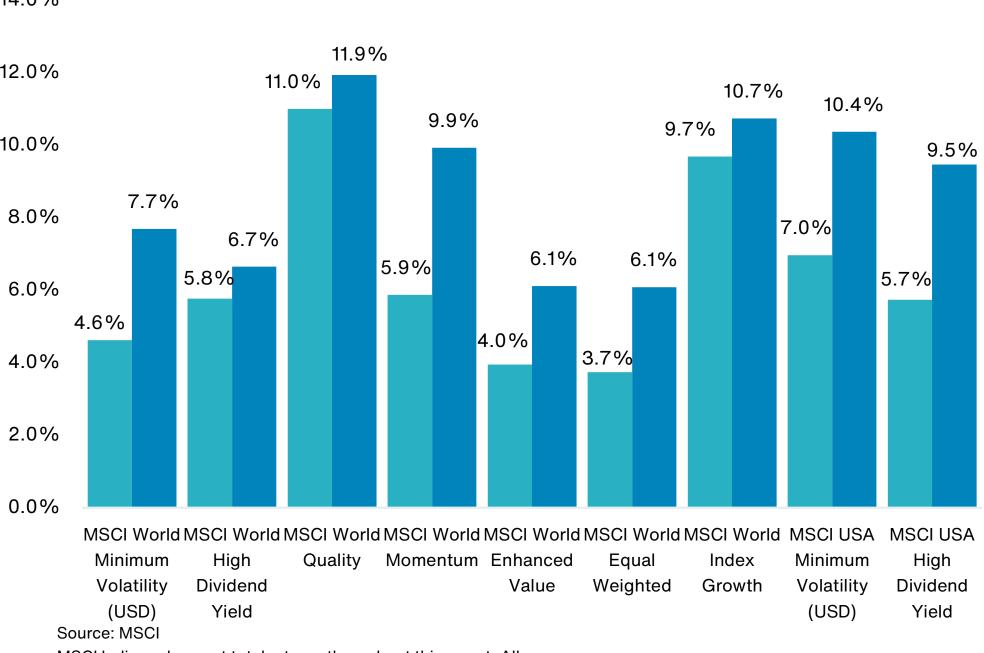


#### **Factor Indices**







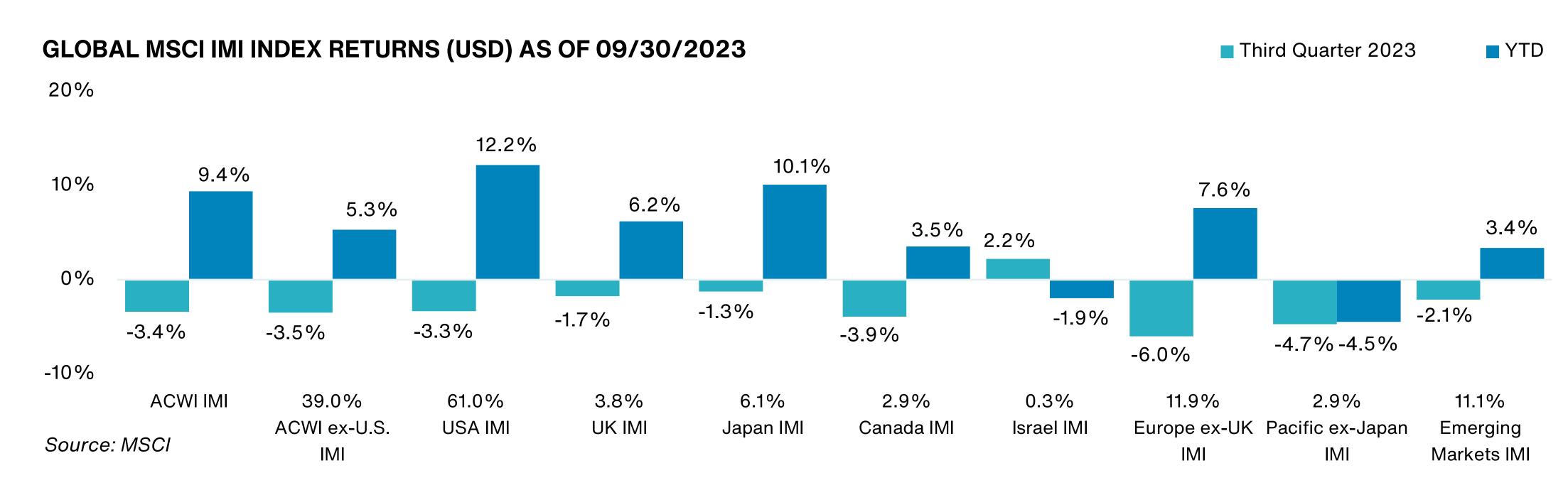


MSCI Indices show net total returns throughout this report. All other indices show gross total returns..

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.



### **Global Equity Markets**



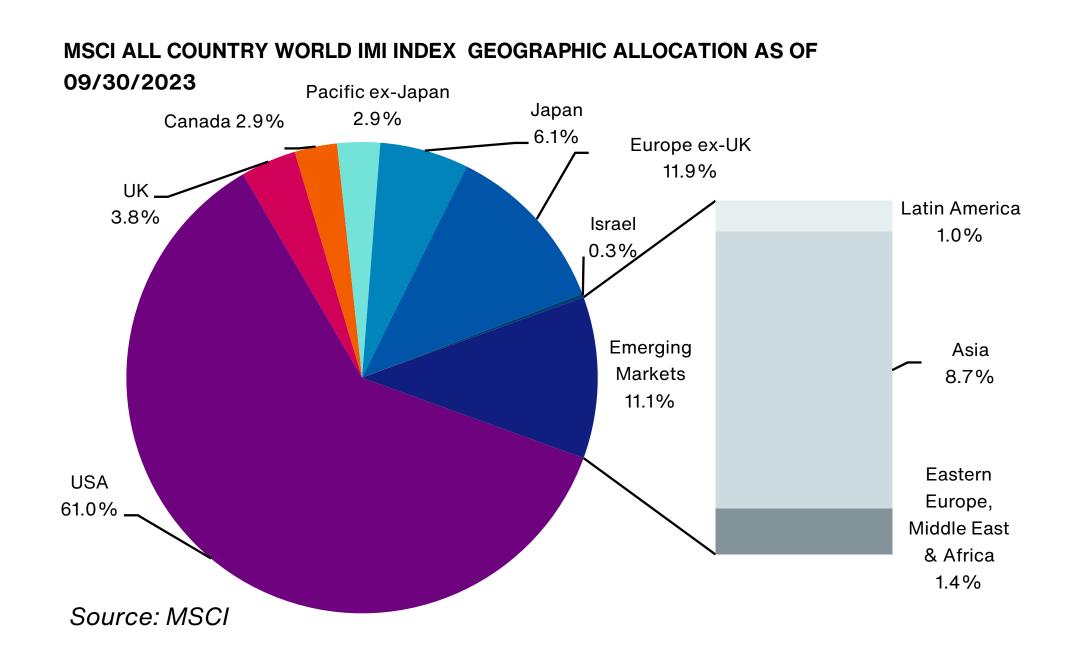
- In Q3 2023, global equity markets fell. Sovereign bond yields increased amidst expectations of interest rates staying higher for longer. Volatility rose over the quarter as the CBOE Volatility Index (VIX) rose to 17.5 in Q3 from 13.6 in the previous quarter, staying below its 20-year average of 19.1. The MSCI All Country World Investable Market Index (ACWI IMI) returned -3.4% for the quarter. However, it's up 9.4% on a YTD basis.
- Across international markets, all regions apart from Israel posted negative returns.
- Europe ex-UK IMI equities were the worst regional performer with a return of -6.0%. Economically sensitive sectors including Industrials and Consumer Discretionary underperformed during the quarter.

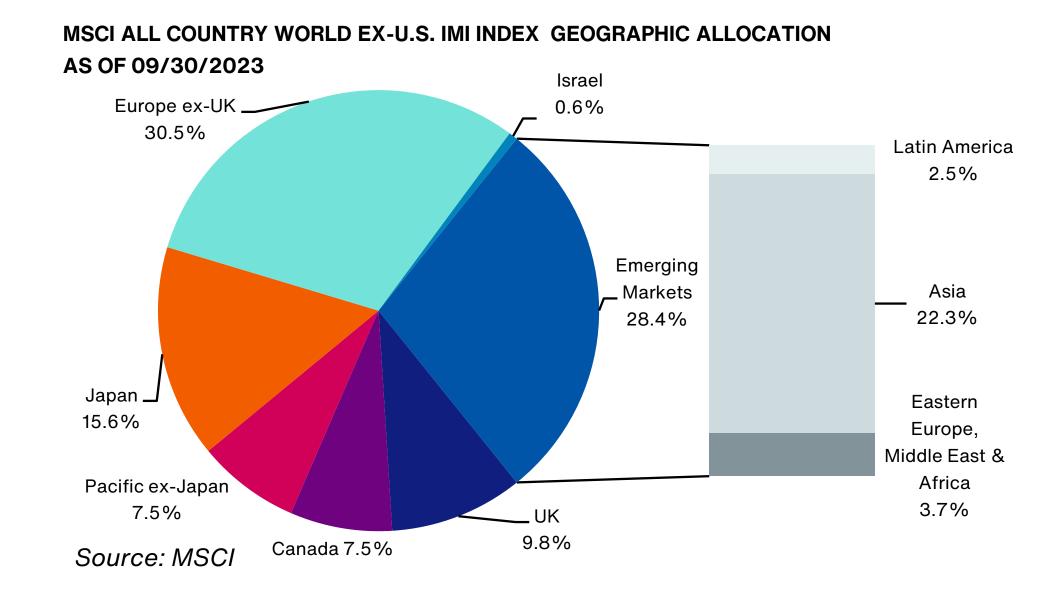
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### **Global Equity Markets**

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.

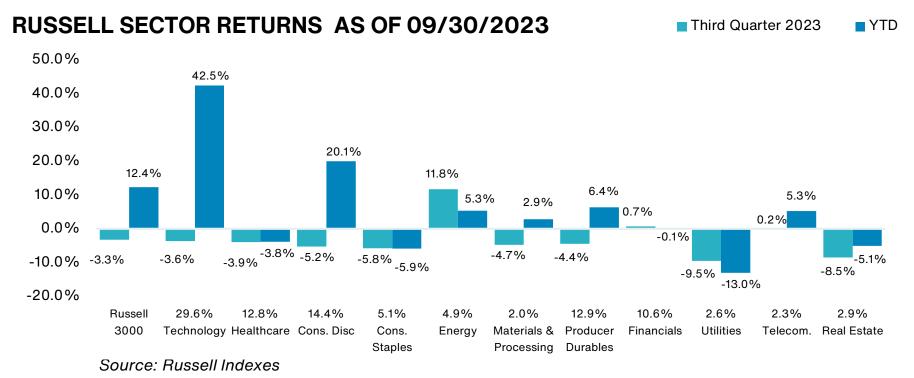


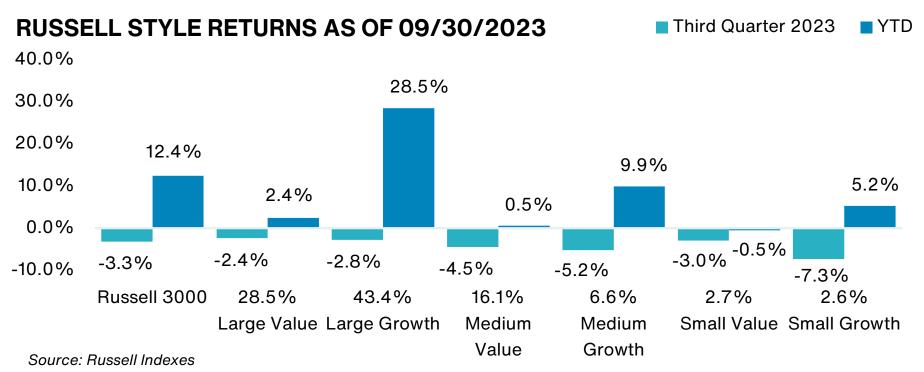




### **U.S. Equity Markets**

- U.S. equities had weak performance during the quarter with the S&P 500 index falling by 3.3% amidst expectations of interest rates staying higher for a longer duration.
- The U.S. Congress averted a government shutdown in a last-minute deal which saw U.S. lawmakers agree to pass a short-term deal to keep the government funded until mid-November. This deal however excludes aid for Ukraine, which House Speaker Kevin McCarthy pledged earlier this year. The House of Representatives voted 335-91 and the Senate voted 88-9 to pass the bill. The agreement marks a dramatic turnabout as the U.S. avoided a shutdown that would have furloughed hundreds of thousands of workers and stopped basic government functions.
- Earlier, Fitch downgraded the U.S. debt rating from AAA to AA+, citing "erosion of governance" over the past two decades. Fitch blamed worsening fiscal conditions for the U.S. government's repeated debt limit stand-offs and last-minute resolutions.
- U.S. economic growth was relatively healthy as the economy expanded by an annualized rate of 2.1% in the second quarter, meeting economists' expectations and slightly lower than the upwardly revised 2.2% growth recorded in the previous quarter. Despite a slowdown in consumer spending, strong business investment in inventories and fixed assets and encouraging government spending supported economic growth.
- The Russell 3000 Index fell 3.3% during the third quarter but rose 12.4% on a YTD basis. Energy (11.8%) and Financials (0.7%) were the best performers while Utilities (-9.5%) and Real Estate (-8.5%) were the worst performers.
- Medium-cap stocks underperformed in value whilst Small-cap stocks underperformed in growth over the quarter. On a style basis, growth underperformed value across market capitalization over the quarter.



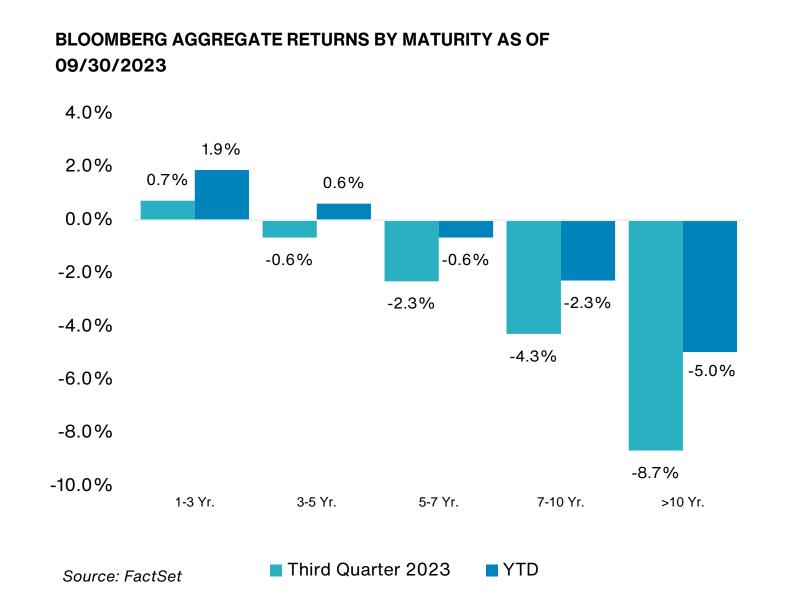


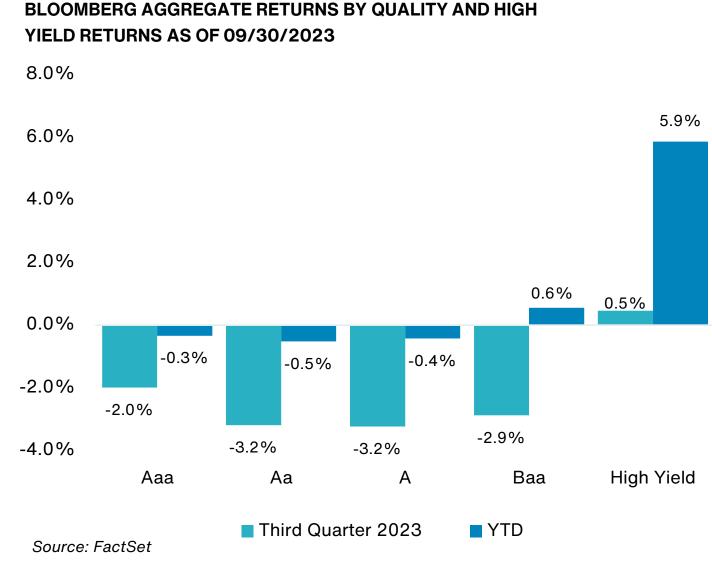
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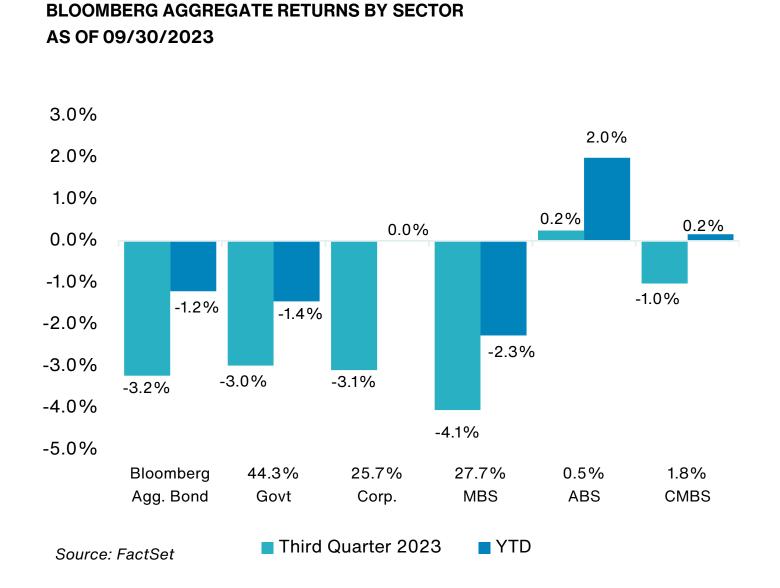


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#### **U.S. Fixed Income Markets**





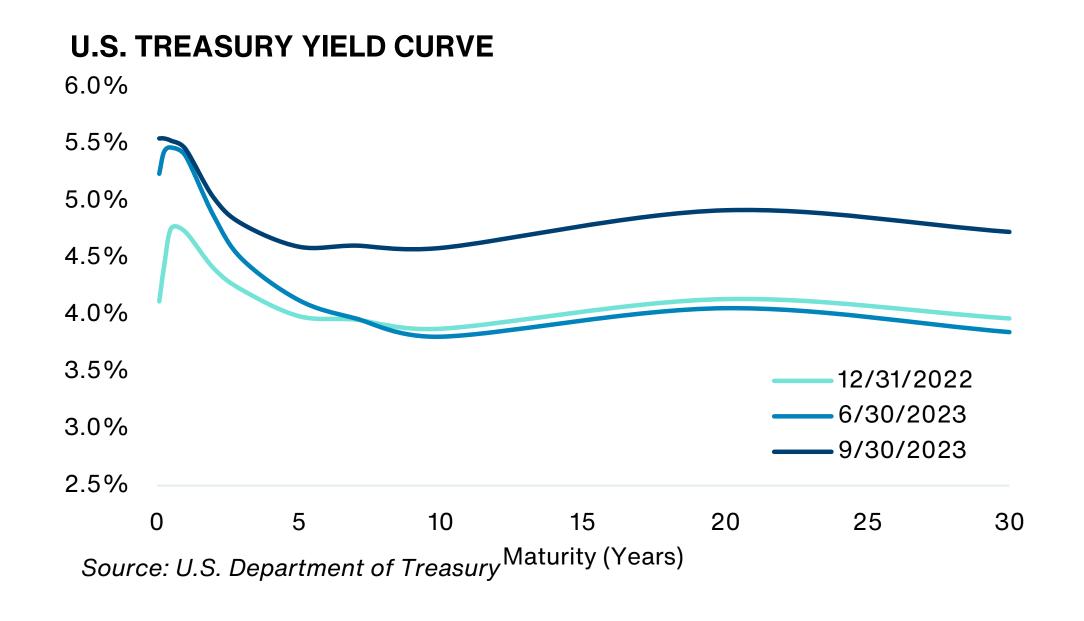


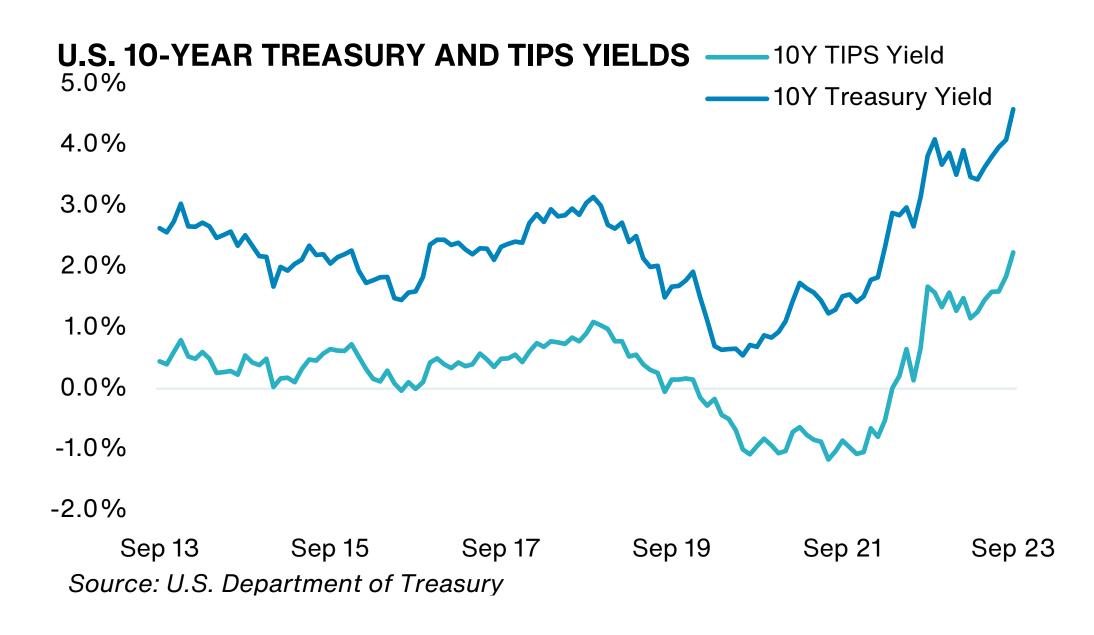
- The U.S. Federal Reserve (Fed) increased its benchmark interest rate by 25bps to a range of 5.25%-5.5% over the quarter, representing the highest level in more than 22 years. The Federal Open Market Committee (FOMC) indicated that inflation remained "elevated" and that the economy was growing at a "moderate pace". Fed chair Jerome Powell signaled that future Fed decisions would be based on "careful assessments" on a "meeting by meeting" basis.
- The Bloomberg U.S. Aggregate Bond Index was down 3.2% over the quarter and down 1.2% on a YTD basis.
- Across durations, all maturities finished the quarter in negative territory except the short-term maturities.
- Within investment-grade bonds, higher credit quality generally outperformed lower-quality issues, with Aaa bonds comparatively falling less. High-yield bonds rose by 0.5%.

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



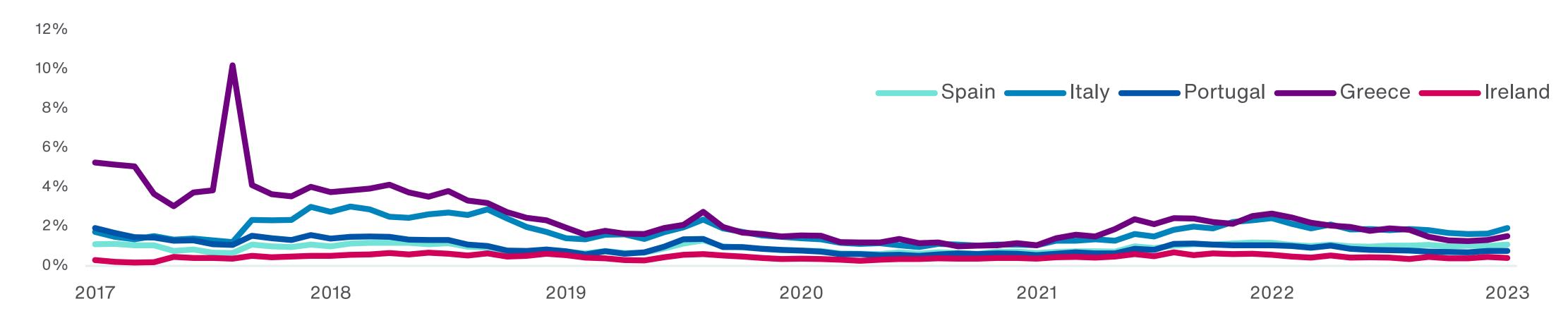


- U.S. Treasury yields rose significantly across maturities as the yield curve shifted upwards over the quarter. The 10-year Treasury yield was up by 78bps to 4.59%, and the 30-year Treasury yield was up by 88bps to 4.73% over the quarter.
- U.S. inflation rose more than expected as the U.S. annual consumer price index (CPI) increased by 3.7% in August, up from the 3.2% recorded in July and slightly higher than economists' expectation of a 3.6% increase. Higher price pressure was driven by rising fuel and housing costs. However, core CPI, which excludes food and energy costs, rose 4.3% year-on-year in August, slowing from the 4.7% recorded in July.
- The 10-year TIPS yield rose by 65bps over the quarter to 2.24%.



### **European Fixed Income Markets**

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



- European government bond spreads over 10-year German bunds widened across the Euro Area. The European Central Bank (ECB) raised its deposit rates by 50bps to 4%, touching an all-time high with its tenth consecutive rate increase. The Governing Council signalled that interest rates could have peaked and might be held for a sufficiently longer duration to bring inflation down to the 2% target.
- Greek and Italian government bond yields rose by 63bps and 66bps to 4.34% and 4.74% respectively over the quarter whilst Irish and Spanish government bond yields rose by 42bps and 50bps to 3.22% and 3.90% respectively.
- German bund yields rose by 41bps to 2.82% over the quarter.
- Eurozone headline inflation touched its lowest level since October 2021 as the consumer price index rose 4.3% in September, below the previous month's rate of 5.2% and lower than economists' expectations of 4.5%. Core inflation, which excludes volatile energy and food prices, fell sharply to 4.5% in the year to September, down from 5.3% in August, and below economists' expectations of 4.8%.



## **Credit Spreads**

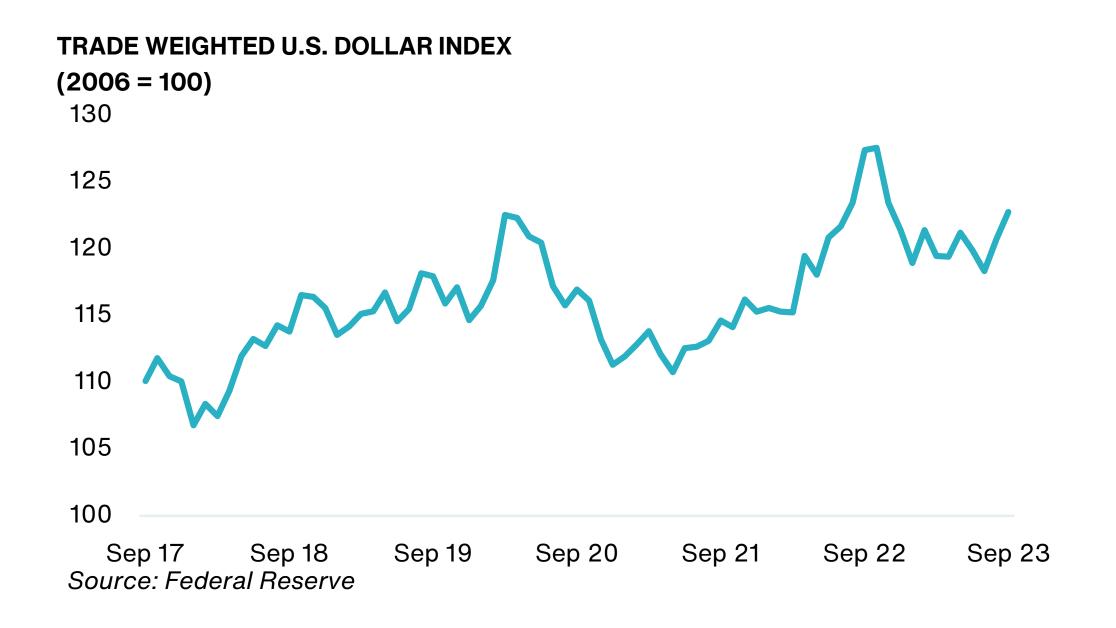
Source: FactSet, Bloomberg

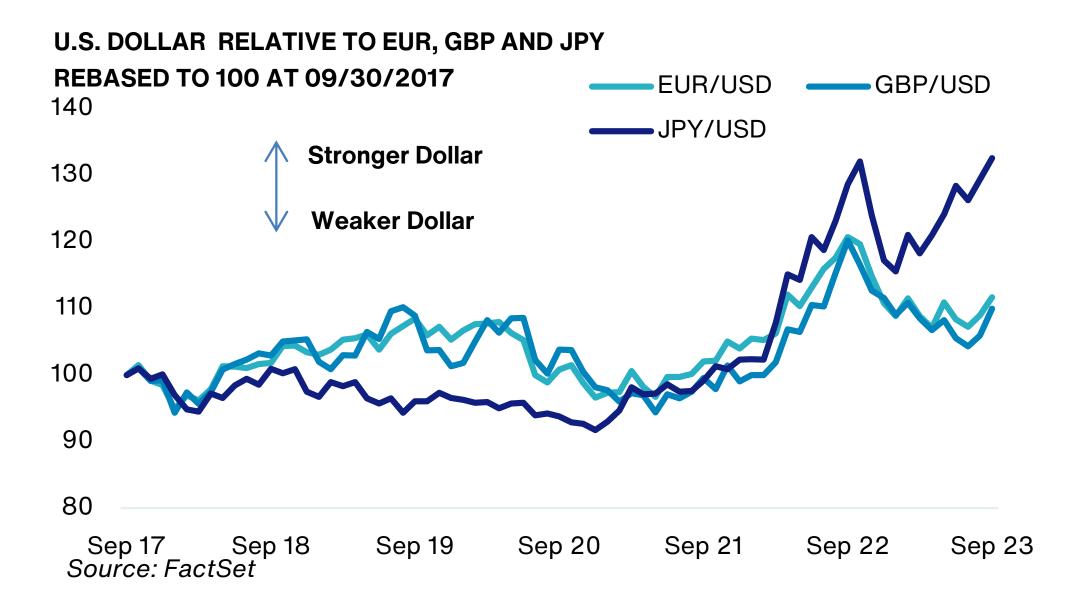
Spread (bps)	9/30/2023	6/30/2023	3/31/2023	Quarterly Change (bps)	YTD
U.S. Aggregate	52	49	51	3	1
Long Gov't	0	1	2	-1	-2
Long Credit	133	148	157	-15	-24
Long Gov't/Credit	71	79	87	-8	-16
MBS	66	52	51	14	15
CMBS	130	134	120	-4	10
ABS	67	68	76	-1	-9
Corporate	121	123	130	-2	-9
High Yield	394	390	469	4	-75
Global Emerging Markets	313	320	332	-7	-19

- Credit markets fell amid risk-averse sentiment during the quarter, with spreads mixed.
- MBS and High Yield spreads widened by 14bps and 4bps respectively.
   Meanwhile, Long Credit and Long Gov't/ Credit spreads narrowed by 15bps and 8bps respectively.



### Currency

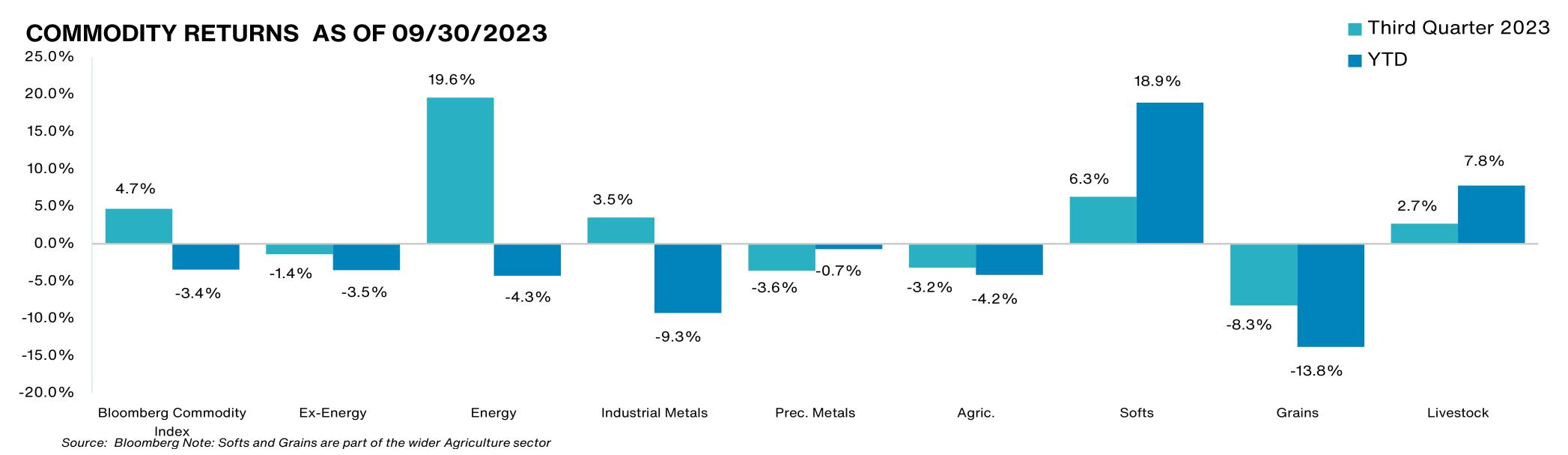




- The U.S. Dollar strengthened against all major currencies over the quarter. On a trade-weighted basis, the U.S. dollar appreciated by 2.4%.
- Sterling depreciated by 4.2% against the U.S. dollar. The Bank of England (BoE) raised its benchmark interest rate by 25bps to 5.25% over the quarter. Andrew Bailey, the BoE governor, indicated that any future interest rate increase would be based on evidence of persistent inflationary pressures. The BoE agreed to increase its current quantitative tightening pace of £80bn to £100bn in 2023-24.
- The U.S. dollar appreciated by 3.0% against the Euro and by 3.2% against the yen.



#### **Commodities**

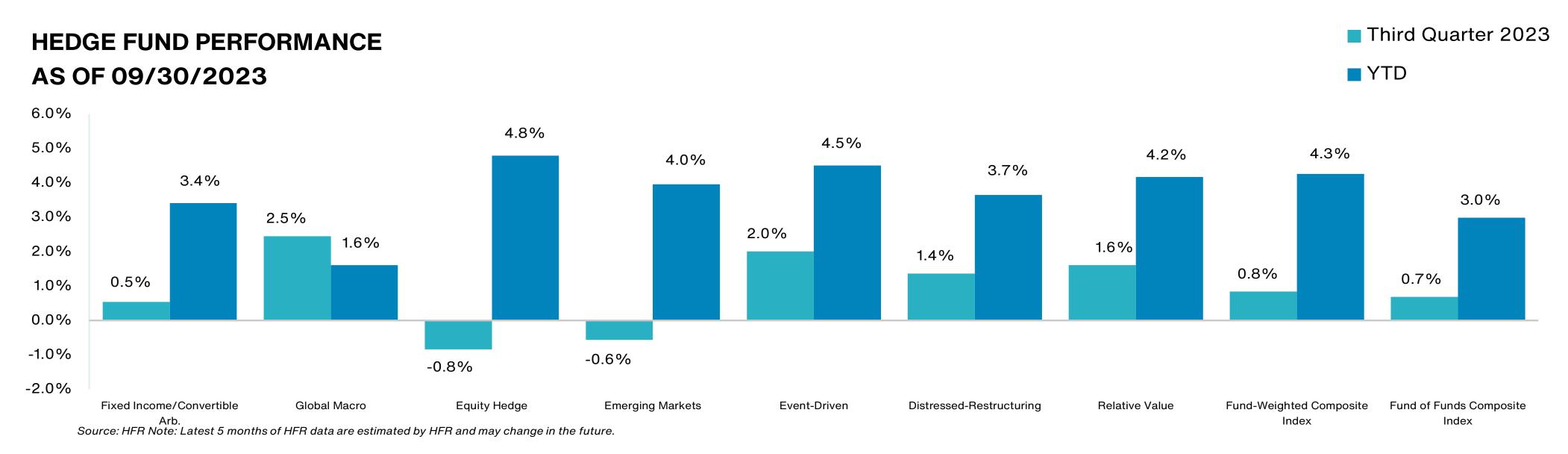


- Commodity prices rose over the quarter with the Bloomberg Commodity Index rising by 4.7% for the quarter.
- The energy sector outperformed as it rose 19.6% over the quarter but fell 4.3% on a YTD basis. The price of WTI crude oil was significantly up by 28.5% to U.S.\$91/BBL.
- Precious Metals fell the most over the quarter at -3.6%.
- Meanwhile, Opec+ member Russia announced "voluntary" additional oil production cuts of 500,000 b/d in August while Saudi Arabia extended its 1mn b/d production cut for another month. Oil prices reached above \$90 a barrel for the first time since the start of the year, after Saudi Arabia and Russia extended their production and export cuts to the end of the year.

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#### **Hedge Funds Market Overview**

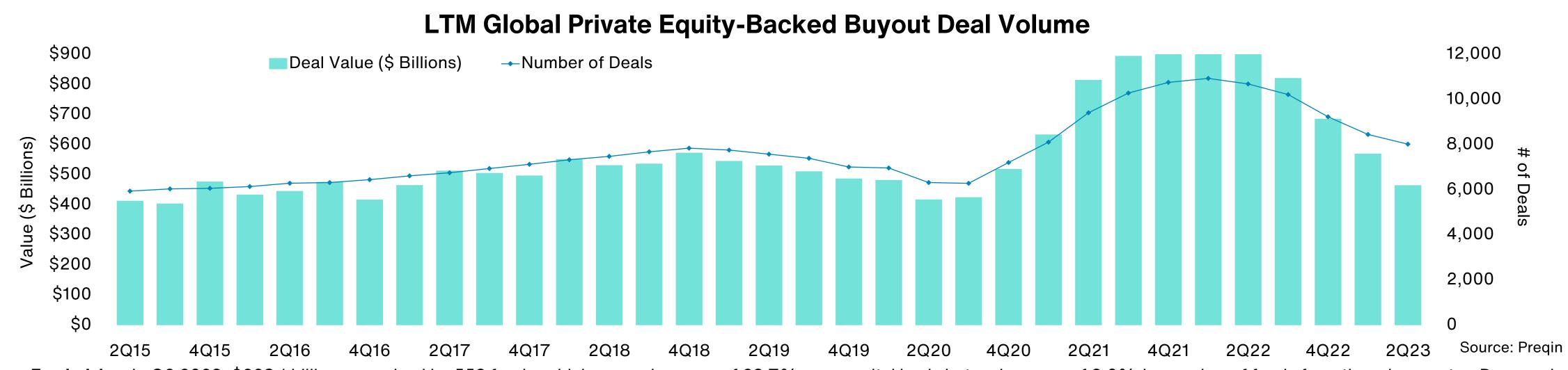


- Hedge fund performance was positive over the quarter except for Equity Hedge and Emerging Markets.
- The HFRI Fund-Weighted Composite and HFRI Fund of Funds Composite Index produced returns of 0.8% and 0.7% over the quarter, respectively.
- Over the quarter, the Global Macro strategy was the best performer with a return of 2.5%.
- Equity Hedge was the worst performer with a return of -0.8% over the quarter.
- On a YTD basis, Equity Hedge has outperformed all other strategies whilst Global Macro has performed the worst.

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#### Private Equity Overview — Second Quarter 2023



- Fundraising: In Q2 2023, \$228.1 billion was raised by 553 funds, which was a decrease of 23.7% on a capital basis but an increase of 3.6% by number of funds from the prior quarter. Dry powder stood at \$3.1 trillion at the end of the quarter, an increase of 4.1% and 30.9% compared to year-end 2022 and the five-year average, respectively.1
- **Buyout:** Global private equity-backed buyout deals totaled \$107.3 billion in Q2 2023, which was a decrease on a capital basis of 17.1% compared to Q1 2023 and a decrease of 32.6% compared to the five-year quarterly average.¹ During the quarter, the average purchase price multiple for all U.S. LBOs was 11.3x EBITDA, down from Q1 2023's average of 12.4x and equal to the five-year average (11.3x). The YTD average purchase price multiple ended Q2 2023 at 11.8x. Large cap purchase price multiples stood at 11.3x, down compared to the full-year 2022 level of 11.8x. The average purchase price multiple across European transactions greater than €1B averaged 10.3x EBITDA on an LTM basis as of Q2 2023, down from the 10.7x multiple seen at the end of Q1 2023. Purchase prices for transactions of €500M or greater decreased from 10.1x at Q1 2023 to 9.6x on an LTM basis ending Q2 2023.² Globally, buyout exit value totaled \$106.2 billion across 440 deals during the quarter, significantly higher than the \$29.6 billion in value from 383 deals during Q1 2023.¹
- **Venture:** During the quarter, 3,011 venture-backed transactions totaling \$39.8 billion were completed, which was a decrease on both a capital and deal count basis over the prior quarter's total of \$45.8 billion across 3,503 deals. This was also a decrease of 26.1% compared to the five-year quarterly average of \$53.9 billion. Total U.S. venture-backed exit value continued to fall, totaling approximately \$5.5 billion across an estimated 279 completed transactions in Q2 2023, down from \$18.0 billion across 380 exits in Q2 2022.<sup>3</sup>

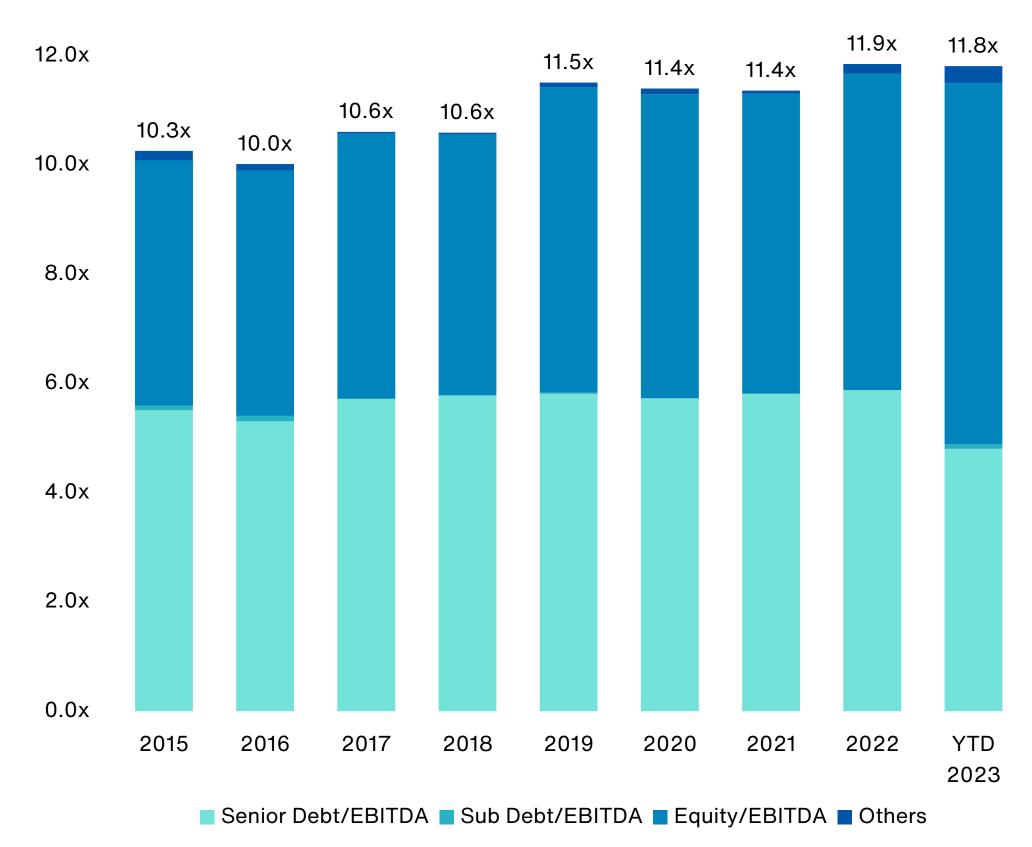
Sources: 1 Preqin 2 Standard & Poor's 3 PitchBook/NVCA Venture Monitor 4 Fitch Ratings 5 Jefferies

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.



#### **Private Equity Overview**

#### **U.S. LBO Purchase Price Multiples – All Transaction Sizes**



Source: S&P

- **Mezzanine:** 7 funds closed on \$18.1 billion during the quarter. This was a decrease from the prior quarter's total of \$21.0 billion raised by 8 funds but represented an increase of 189.5% from the five-year quarterly average of \$6.2 billion. Estimated dry powder was \$66.0 billion at the end of Q2 2023, up from \$63.8 billion at the end of the prior quarter.<sup>1</sup>
- **Distressed Debt:** The TTM U.S. high-yield default rate was 2.6% as of June 2023, which was up from March 2023's TTM rate of 1.8%. Fitch expects the high-yield default rate to continue trending higher through 2023.<sup>4</sup> During the quarter, \$7.3 billion was raised by 11 funds, down from the \$11.2 billion raised by 15 funds during Q1 2023. Dry powder was estimated at \$156.6 billion at the end of Q2 2023, which was up 4.5% from Q1 2023. This remained above the five-year annual average level of \$140.3 billion.<sup>1</sup>
- **Secondaries:** 11 funds raised \$5.6 billion during Q2 2023, down substantially from the \$36.7 billion raised by 18 funds in Q1 2023. This was a decrease of 53.4% compared to the five-year quarterly average of \$11.9 billion. The average discount rate for LP buyout and venture capital portfolios finished the quarter at 10.0% and 31.0%, respectively.
- Infrastructure: \$4.5 billion of capital was raised by 11 funds in Q2 2023 compared to \$4.5 billion of capital raised by 16 partnerships in Q1 2023. This was a significant decrease from the \$55.8 billion raised by 40 funds in Q2 2022. Infrastructure managers completed 443 deals for an aggregate deal value of \$49.5 billion in the second quarter compared to 470 deals totaling \$72.0 billion in Q1 2023.1
- Natural Resources: During Q2 2023, 3 funds closed on \$1.9 billion compared to 6 funds totaling \$1.1 billion in Q1 2023. Energy and utilities industry managers completed 49 deals totaling \$6.7 billion in Q2 2023, an increase, on a value basis, compared to 50 deals totaling \$3.4 billion completed in Q1 2023.

Sources: 1 Pregin 2 Standard & Poor's 3 PitchBook/NVCA Venture Monitor 4 Fitch Ratings 5 Jefferies



Passive Portfolios	Weight (%)	Passive Portfolios	Weight (%)
Oct-2021		Jun-2018	
Blmbg. U.S. Aggregate	25.00	Blmbg. U.S. Aggregate	27.50
Russell 3000 Index	30.00	FTSE World Government Bond Index	6.50
MSCI AC World ex USA Index (Net)	30.00	Russell 3000 Index	33.50
FTSE NAREIT All Equity REITs	5.00	MSCI AC World ex USA Index (Net)	22.50
ICE BofA U.S. High Yield Index	10.00	Vanguard Real Estate Spliced Index	5.00
Dec-2020		Blmbg. U.S. TIPS 0-5 Year	5.00
Blmbg. U.S. Aggregate	35.00	Nov-2013	
Russell 3000 Index	30.00	Blmbg. U.S. Aggregate	25.00
MSCI AC World ex USA Index (Net)	30.00	FTSE World Government Bond Index	5.00
FTSE NAREIT All Equity REITs	5.00	Russell 3000 Index	30.00
Dec-2018		MSCI AC World ex USA Index (Net)	20.00
Blmbg. U.S. Aggregate	30.00	NCREIF ODCE Index (Net)	5.00
FTSE World Government Bond Index	5.00	Blmbg. U.S. TIPS 0-5 Year	5.00
Russell 3000 Index	30.00	Blackrock Hybrid	10.00
MSCI AC World ex USA Index (Net)	30.00	Apr-2013	
Vanguard Real Estate Spliced Index	5.00	Blmbg. U.S. Aggregate	25.00
Nov-2018		FTSE World Government Bond Index	5.00
Blmbg. U.S. Aggregate	27.50	Russell 3000 Index	30.00
FTSE World Government Bond Index	6.50	MSCI AC World ex USA Index (Net)	20.00
Russell 3000 Index	33.50	NCREIF ODCE Index (Net)	5.00
MSCI AC World ex USA Index (Net)	22.50	Blmbg. U.S. TIPS 0-5 Year	5.00
Blmbg. U.S. TIPS 0-5 Year	5.00	Blackrock Hybrid	10.00
Vanguard Real Estate Spliced Index	5.00		
variguara ricai Estate Opiloea iriaex	3.00		



Jul-2012	Passive Portfolios	Weight (%)	Passive Portfolios	Weight (%)
FTSE World Government Bond Index         5.00         MSCI USA Broad Market Index         33.00           Russell 3000 Index         30.00         MSCI ACK World ex USA Index (Net)         20.00           MSCI EAFE Index (Net)         20.00         MSCI USA REIT Index         2.00           NCREIF ODCE Index (Net)         5.00         Bimbg. 20-30 Year Treasury Strips         5.00           Bimbg. U.S. TIPS 0-5 Year         5.00         Feb-2010           Blackrock Hybrid         10.00         Bimbg. U.S. Aggregate Float Adjusted         40.00           May-2012         Bimbg. 20-30 Year Treasury Strips         5.00           Bimbg. U.S. Aggregate Float Adjusted         35.00         FTSE World Government Bond Index         35.00           FTSE World Government Bond Index         5.30         MSCI USA Broad Market Index         35.00           FUSSEL BLOOK (Net)         21.00         Bimbg. U.S. Aggregate Float Adjusted         40.00           MSCI EAFE Index (Net)         10.50         MSCI USA Broad Market Index         35.00           Blackrock Hybrid         10.50         MSCI USA Broad Market Index         20.00           Blook rock Hybrid         10.50         MSCI USA Broad Market Index         35.00           Bleachrock Hybrid         10.50         MSCI USA Broad Market Index         20.00	Jul-2012		Sep-2010	
Russell 3000 Index   30.00   MSCI AC World ex USA Index (Net)   20.00   MSCI EAFE Index (Net)   20.00   MSCI USA REIT Index   2.00   MSCI USA Broad Market Index   2.00   MSCI USA Br	Blmbg. U.S. Aggregate	25.00	Blmbg. U.S. Aggregate Float Adjusted	40.00
MSCI EAFE Index (Net)         20.00         MSCI USA REIT Index         2.00           NCREIF ODCE Index (Net)         5.00         Blmbg. 20-30 Year Treasury Strips         5.00           Blmbg. U.S. TIPS 0-5 Year         5.00         Feb-2010           Blackrock Hybrid         10.00         Blmbg. U.S. Aggregate Float Adjusted         40.00           May-2012         Blmbg. 20-30 Year Treasury Strips         5.00           Blmbg. U.S. Aggregate         26.30         MSCI USA Broad Market Index         35.00           FTSE World Government Bond Index         5.30         FTSE All World Ex U.S.         20.00           Russell 3000 Index         31.60         Jan-2010         35.00           MSCI EAFE Index (Net)         21.00         Blmbg. U.S. Aggregate Float Adjusted         40.00           Blmbg. U.S. TIPS 0-5 Year         5.30         Blmbg. U.S. Aggregate Float Adjusted         40.00           Blmbg. U.S. Aggregate Float Adjusted         45.00         MSCI USA Broad Market Index         20.00           Feb-2011         MSCI USA Broad Market Index         30.00         Blmbg. U.S. Aggregate         40.00           MSCI USA Broad Market Index         30.00         Blmbg. U.S. Aggregate         40.00           MSCI USA Broad Market Index         35.00         MSCI USA Broad Market Index         <	FTSE World Government Bond Index	5.00	MSCI USA Broad Market Index	33.00
NCREIF ODCE Index (Net)         5 00         Blmbg. 20-30 Year Treasury Strips         5 00           Blmbg. U.S. TIPS 0-5 Year         5 00         Feb-2010           Blackrock Hybrid         10 00         Blmbg. U.S. Aggregate Float Adjusted         40.00           May-2012         Blmbg. 20-30 Year Treasury Strips         5.00           Bilmbg. U.S. Aggregate         26.30         MSCI USA Broad Market Index         35.00           FTSE World Government Bond Index         5.30         FTSE All World Ex U.S.         20.00           Russell 3000 Index         31.60         Jan-2010         Jan-2010           MSCI EAFE Index (Net)         21.00         Blmbg. U.S. Aggregate Float Adjusted         40.00           Binbg. U.S. TIPS 0-5 Year         5.30         Blmbg. U.S. Aggregate Float Adjusted         40.00           Binbg. U.S. Aggregate Float Adjusted         45.00         MSCI USA Broad Market Index         35.00           Feb-2011         MSCI USA Broad Market Index         35.00         MSCI USA Broad Market Index         40.00           MSCI USA Broad Market Index         30.00         MSCI USA Broad Market Index         35.00           MSCI USA Broad Market Index         35.00         MSCI EAFE + EM in LC         20.00           Nov-2010         Bimbg. U.S. Aggregate Float Adjusted         45.00<	Russell 3000 Index	30.00	MSCI AC World ex USA Index (Net)	20.00
Blmbg. U.S. TIPS 0-5 Year	MSCI EAFE Index (Net)	20.00	MSCI USA REIT Index	2.00
Blackrock Hybrid   10.00   Blmbg. U.S. Aggregate Float Adjusted   40.00	NCREIF ODCE Index (Net)	5.00	Blmbg. 20-30 Year Treasury Strips	5.00
Blackrock Hybrid   10.00   Blmbg. U.S. Aggregate Float Adjusted   40.00	Blmbg. U.S. TIPS 0-5 Year	5.00	Feb-2010	
May-2012         Blmbg. 20-30 Year Treasury Strips         5.00           Blmbg. U.S. Aggregate         26.30         MSCI USA Broad Market Index         35.00           FTSE World Government Bond Index         5.30         FTSE All World Ex U.S.         20.00           Russell 3000 Index         31.60         Jan-2010         WSCI EAFE Index (Net)         40.00           MSCI EAFE Index (Net)         21.00         Blmbg. U.S. Aggregate Float Adjusted         40.00           Blmbg. U.S. TIPS 0-5 Year         5.30         Blmbg. 20-30 Year Treasury Strips         5.00           Blackrock Hybrid         10.50         MSCI USA Broad Market Index         35.00           Feb-2011         MSCI USA Broad Market Index         20.00           MSCI USA Broad Market Index         30.00         MSCI USA Aggregate         40.00           MSCI USA Broad Market Index         35.00         MSCI USA Broad Market Index         35.00           MSCI USA REIT Index         5.00         MSCI USA Broad Market Index         35.00           Nov-2010         Blmbg. U.S. Aggregate Float Adjusted         40.00         MSCI USA Broad Market Index         5.00           Blmbg. U.S. Aggregate Float Net Index         32.00         Blmbg. U.S. Aggregate         45.00           NSCI USA Broad Market Index         35.00         M	Blackrock Hybrid	10.00		40.00
Bimbg. U.S. Aggregate   26.30   MSCI USA Broad Market Index   35.00     FTSE World Government Bond Index   5.30   FTSE All World Ex U.S.   20.00     Russell 3000 Index   31.60   <b>Jan-2010</b>     MSCI EAFE Index (Net)   21.00   Bimbg. U.S. Aggregate Float Adjusted   40.00     Bimbg. U.S. TIPS 0-5 Year   5.30   Bimbg. 20-30 Year Treasury Strips   5.00     Blackrock Hybrid   10.50   MSCI USA Broad Market Index   35.00     Feb-2011   MSCI USA Broad Market Index   20.00     Bimbg. U.S. Aggregate Float Adjusted   45.00   MSCI USA Broad Market Index   30.00     MSCI USA Broad Market Index   30.00   Bimbg. U.S. Aggregate   40.00     MSCI USA Broad Market Index   35.00   MSCI USA Broad Market Index   35.00     MSCI USA REITI Index   5.00   MSCI USA Broad Market Index   35.00     Nov-2010   MSCI USA Broad Market Index   32.00   Bimbg. U.S. Aggregate   45.00     MSCI USA Broad Market Index   40.00   May-2008     MSCI USA Broad Market Index   40.00   May-2008     MSCI USA Broad Market Index   40.00   May-2008     MSCI USA Broad Market Index   45.00   MSCI USA Broad Market Index   45.00     MSCI USA Broad Market Index   45.00   MSCI USA Broad Market Index   45.00     MSCI USA Broad Market Index   45.00   MSCI USA Broad Market Index   45.00     MSCI USA Broad Market Index   45.00   MSCI USA Broad Market Index   45.00     MSCI USA Broad Market Index   45.00   MSCI USA Broad Market Index   45.00     MSCI USA Broad Market Index   45.00   MSCI USA Broad Market Index   45.00     MSCI USA Broad Market Index   45.00   MSCI USA Broad Market Index   45.00     MSCI USA Broad Market Index   45.00   MSCI USA Broad Market Index   45.00     MSCI USA Broad Market Index   45.00   MSCI USA Broad Market Index   45.00     MSCI USA Broad Market Index   45.00   MSCI USA Broad Market Index   45.00     MSCI USA Broad Market Index   45.00   MSCI USA Broad Market Index   45.00     MSCI USA Broad Market Index   45.00   MSCI USA Broad Market Index   45.00   MSCI USA Broad Market Index   45.00   MSCI USA Broad Market Index   45.00   MSCI USA Broad Mark	May-2012			5.00
Russell 3000 Index         31.60         Jan-2010           MSCI EAFE Index (Net)         21.00         Blmbg. U.S. Aggregate Float Adjusted         40.00           Blmbg. U.S. TIPS 0-5 Year         5.30         Blmbg. 20-30 Year Treasury Strips         5.00           Blackrock Hybrid         10.50         MSCI USA Broad Market Index         35.00           Feb-2011         MSCI Emerging Markets Index         20.00           Blmbg. U.S. Aggregate Float Adjusted         45.00         Oct-2008           MSCI USA Broad Market Index         30.00         Blmbg. U.S. Aggregate         40.00           MSCI USA Broad Market Index         35.00         MSCI USA Broad Market Index         35.00           MSCI USA REIT Index         5.00         MSCI USA Broad Market Index         35.00           Nov-2010         Blmbg. U.S. Aggregate Float Adjusted         40.00         MSCI USA Broad Market Index         5.00           Blmbg. U.S. Aggregate Float Adjusted         40.00         May-2008         45.00           MSCI USA Broad Market Index         35.00         Blmbg. U.S. Aggregate         45.00           MSCI USA Broad Market Index         35.00         MSCI USA Broad Market Index         35.00	•	26.30	MSCI USA Broad Market Index	35.00
MSCI EAFE Index (Net)         21.00         Blmbg. U.S. Aggregate Float Adjusted         40.00           Blmbg. U.S. TIPS 0-5 Year         5.30         Blmbg. U.S. Aggregate Float Adjusted         5.00           Blackrock Hybrid         10.50         MSCI USA Broad Market Index         35.00           Feb-2011         MSCI Emerging Markets Index         20.00           Blmbg. U.S. Aggregate Float Adjusted         45.00         Oct-2008           MSCI USA Broad Market Index         30.00         Blmbg. U.S. Aggregate         40.00           MSCI USA Broad Market Index         35.00         MSCI USA Broad Market Index         35.00           MSCI USA REIT Index         5.00         MSCI EAFE + EM in LC         20.00           Nov-2010         Blmbg. U.S. Aggregate Float Adjusted         40.00           MSCI USA Broad Market Index         32.00         May-2008           MSCI USA Broad Market Index         45.00           MSCI USA Broad Market Index         35.00	FTSE World Government Bond Index	5.30	FTSE All World Ex U.S.	20.00
MSCI EAFE Index (Net)         21.00         Bimbg, U.S. Aggregate Float Adjusted         40.00           Blmbg, U.S. TIPS 0-5 Year         5.30         Bimbg, 20-30 Year Treasury Strips         5.00           Blackrock Hybrid         10.50         MSCI USA Broad Market Index         35.00           Feb-2011         MSCI Emerging Markets Index         20.00           Bimbg, U.S. Aggregate Float Adjusted         45.00         Oct-2008           MSCI USA Broad Market Index         30.00         Bimbg, U.S. Aggregate         40.00           MSCI USA Broad Market Index (Net)         20.00         MSCI USA Broad Market Index         35.00           MSCI USA REIT Index         5.00         MSCI EAFE + EM in LC         20.00           Nov-2010         Bimbg, U.S. Aggregate Float Adjusted         40.00           MSCI USA Broad Market Index         32.00         Bimbg, U.S. Aggregate         45.00           MSCI USA Broad Market Index         32.00         Bimbg, U.S. Aggregate         45.00           MSCI USA Broad Market Index         35.00         MSCI USA Broad Market Index         35.00	Russell 3000 Index	31.60	Jan-2010	
Bimbg. U.S. TIPS 0-5 Year   5.30   Bimbg. 20-30 Year Treasury Strips   5.00	MSCI EAFE Index (Net)	21.00		40.00
Blackrock Hybrid         10.50         MSCI USA Broad Market Index         35.00           Feb-2011         MSCI Emerging Markets Index         20.00           Blmbg. U.S. Aggregate Float Adjusted         45.00         Oct-2008           MSCI USA Broad Market Index         30.00         Blmbg. U.S. Aggregate         40.00           MSCI USA REIT Index         5.00         MSCI USA Broad Market Index         35.00           Nov-2010         Blmbg. 20-30 Year Treasury Strips         5.00           Blmbg. U.S. Aggregate Float Adjusted         40.00         May-2008           MSCI USA Broad Market Index         32.00         Blmbg. U.S. Aggregate         45.00           MSCI AC World ex USA Index (Net)         20.00         MSCI USA Broad Market Index         35.00	Blmbg. U.S. TIPS 0-5 Year	5.30		
Feb-2011         MSCI Emerging Markets Index         20.00           Blmbg, U.S. Aggregate Float Adjusted         45.00         Oct-2008           MSCI USA Broad Market Index         30.00         Blmbg, U.S. Aggregate         40.00           MSCI AC World ex USA Index (Net)         20.00         MSCI USA Broad Market Index         35.00           MSCI USA REIT Index         5.00         MSCI EAFE + EM in LC         20.00           Nov-2010         Blmbg, 20-30 Year Treasury Strips         5.00           Blmbg, U.S. Aggregate Float Adjusted         40.00         May-2008           MSCI USA Broad Market Index         32.00         Blmbg, U.S. Aggregate         45.00           MSCI AC World ex USA Index (Net)         20.00         MSCI USA Broad Market Index         35.00           Plmbg, 20-30 Year Treasury Strips         50.00         MSCI USA Broad Market Index         35.00	Blackrock Hybrid	10.50	, ,	
MSCI USA Broad Market Index       30.00       Blmbg. U.S. Aggregate       40.00         MSCI AC World ex USA Index (Net)       20.00       MSCI USA Broad Market Index       35.00         MSCI USA REIT Index       5.00       MSCI EAFE + EM in LC       20.00         Nov-2010       Blmbg. 20-30 Year Treasury Strips       5.00         Blmbg. U.S. Aggregate Float Adjusted       40.00       May-2008         MSCI USA Broad Market Index       32.00       Blmbg. U.S. Aggregate       45.00         MSCI AC World ex USA Index (Net)       20.00       MSCI USA Broad Market Index       35.00         Plmbg. 20.30 Year Treasury Strips       5.00       MSCI USA Broad Market Index       35.00	Feb-2011		MSCI Emerging Markets Index	
MSCI USA Broad Market Index       30.00       Blmbg. U.S. Aggregate       40.00         MSCI AC World ex USA Index (Net)       20.00       MSCI USA Broad Market Index       35.00         MSCI USA REIT Index       5.00       MSCI EAFE + EM in LC       20.00         Nov-2010       Blmbg. U.S. Aggregate Float Adjusted       40.00       May-2008         MSCI USA Broad Market Index       32.00       Blmbg. U.S. Aggregate       45.00         MSCI AC World ex USA Index (Net)       20.00       MSCI USA Broad Market Index       35.00         MSCI USA Broad Market Index       35.00       MSCI USA Broad Market Index       35.00	Blmbg. U.S. Aggregate Float Adjusted	45.00	Oct-2008	
MSCI AC World ex USA Index (Net)  MSCI USA REIT Index  5.00  MSCI USA Broad Market Index  5.00  May-2008  MSCI USA Broad Market Index  May-2008  MISCI USA Broad Market Index  MSCI USA Broad Market Index	MSCI USA Broad Market Index	30.00		40.00
MSCI USA REIT Index  5.00  MSCI EAFE + EM in LC  Blmbg. 20-30 Year Treasury Strips  5.00  May-2010  May-2008  MSCI USA Broad Market Index	MSCI AC World ex USA Index (Net)	20.00		
Nov-2010Blmbg. 20-30 Year Treasury Strips5.00Blmbg. U.S. Aggregate Float Adjusted40.00May-2008MSCI USA Broad Market Index32.00Blmbg. U.S. Aggregate45.00MSCI AC World ex USA Index (Net)20.00MSCI USA Broad Market Index35.00Plmbg. 20.30 Year Treasury Strips5.00	MSCI USA REIT Index	5.00		
MSCI USA Broad Market Index  MSCI AC World ex USA Index (Net)  String 20 20 Year Transum String  MSCI USA Broad Market Index  MSCI USA Broad Market Index  MSCI USA Broad Market Index  35.00	Nov-2010			
MSCI USA Broad Market Index  32.00  MSCI AC World ex USA Index (Net)  20.00  MSCI USA Broad Market Index  35.00  MSCI USA Broad Market Index  35.00	Blmbg. U.S. Aggregate Float Adjusted	40.00	May-2008	
MSCI AC World ex USA Index (Net)  20.00  MSCI USA Broad Market Index  5.00	MSCI USA Broad Market Index	32.00	•	45 00
Plmba 20 20 Voor Trooping Strips	MSCI AC World ex USA Index (Net)	20.00		
	Blmbg. 20-30 Year Treasury Strips	5.00		
MSCI USA REIT Index	MSCI USA REIT Index	3.00		20.00



Passive Portfolios	Weight (%)
Jun-2003	
Blmbg. U.S. Aggregate	45.00
MSCI USA Broad Market Index	35.00
MSCI AC World ex USA Index (Net)	20.00



Passive Portfolios	Weight (%)
Oct-2021 Blmbg. U.S. Aggregate	71.40
ICE BofA U.S. High Yield Index	28.60
Dec-2020	
Blmbg. U.S. Aggregate	100.00
Dec-2018	
Blmbg. U.S. Aggregate	85.72
FTSE World Government Bond Index	14.28
Jun-2018	
Blmbg. U.S. Aggregate	80.88
FTSE World Government Bond Index	19.12
May-2012	
Blmbg. U.S. Aggregate	83.33
FTSE World Government Bond Index	16.67
Jan-1997	
Blmbg. U.S. Aggregate	88.88
Blmbg. 20-30 Year Treasury Strips	11.12



Passive Portfolios	Weight (%)
Dec-2020 FTSE NAREIT All Equity REITs	100.00
Jun-2018 Vanguard Real Estate Spliced Index	100.00
Jul-2012 Vanguard Real Estate Spliced Index	100.00



Name	Description
Bloomberg U.S. Corporate High Yield Bond Index	An index that covers the USD-dominated, non-investment grade, fixed rate, taxable corporate bond market. Debt issues from emerging market countries are excluded. Securities are classified as high-yield if the middle rating is Ba1/BB+ or below.
Bloomberg Emerging Markets Index	An unmanaged index that tracks total returns for external-currency-denominated debt instruments of the emerging markets.
Bloomberg Global Aggregate	Provides a broad-based measure of the global investment-grade fixed income markets. The three major components of this index are the U.S. Aggregate, the Pan-European Aggregate, and the Asian-Pacific Aggregate Indices. The index also includes Eurodollar and Euro-Yen corporate bonds, Canadian government, agency and corporate securities, and 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 that does not have any exposure to US debt. This multi-currency benchmark includes investment grade, fixed-rate bonds issued by governments in their native currencies.
Bloomberg Universal Index	A market value-weighted index which is the union of the U.S. Aggregate Index, U.S. High Yield Corporate Index, Eurodollar Index, U.S. Emerging Markets Index and the CMBS High Yield Index. The Index is appropriate for core plus fixed income mandates.
Bloomberg U.S. Government Index	A market value weighted index of U.S. government and government agency securities (other than mortgage 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 securities, government related issues, and high-quality corporate bonds with an outstanding par value of \$250 million or greater and at least one year of maturity remaining.
Bloomberg U.S. High Yield Index	An index composed of non-investment grade corporate debt denominated in U.S. dollars. The issues have to have an outstanding par value of \$150 million or greater and at least one year of maturity remaining.
Bloomberg U.S. Inflation Index	Measures the performance of the U.S. Treasury Inflation Protected Securities ("TIPS") market.
Bloomberg U.S. Intermediate Aggregate Bond Index	A market value-weighted index consisting of U.S. Treasury securities, corporate bonds and mortgage-related and asset-backed securities with one to ten years to maturity and an outstanding par value of \$250 million or greater
Bloomberg U.S. Intermediate Government/Credit Index	A market-value weighted index consisting of government bonds and SEC-registered corporate bonds with one to ten 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 obligations issued by the U.S. treasury, government agencies and quasi-federal corporations.



Name	Description
Bloomberg U.S. Intermediate Treasury	An unmanaged index considered representative of intermediate-term fixed- income obligations issued by the U.S. treasury.
Bloomberg U.S. Aggregate Bond Index	A market value-weighted index consisting of government bonds, SEC-registered corporate bonds and mortgage-related and asset-backed securities with at least one year to maturity and an outstanding par value of \$250 million or greater. This index is a broad measure of the performance of the investment grade U.S. fixed income market.
Bloomberg U.S. Long Credit Bond Index	An unmanaged index considered representative of long-term fixed-income obligations issued by U.S. corporate, specified foreign debentures, and secured notes that meet the specified maturity, liquidity, and quality requirements. 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. dollar denominated U.S. treasuries, government-related, and investment grade U.S. corporate securities that have a remaining maturity of greater than or equal to 1 year. In addition, the securities have \$250 million or more of outstanding face value, and must be fixed rate and non-convertible.
Bloomberg U.S. Long-Term Government Bond Index	An unmanaged index considered representative of long-term fixed- income obligations issued by the U.S. treasury, government agencies and quasi-federal corporations.
Bloomberg U.S. TIPS	A market value-weighted index consisting of U.S. Treasury Inflation Protected Securities with one or more years 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 treasury STRIPS.
Bloomberg Commodity Index	Consists of 22 exchange-traded futures on physical commodities, which are weighted to account for economic significance and market liquidity. Performance is calculated on an excess return basis and reflects commodity future price movements.
BofA Merrill Lynch 3 Month Treasury Bill	An index that measures the average return of the last three-month U.S. Treasury Bill issues .
BofA Merrill Lynch High Yield Master	A market capitalization-weighted index that tracks the performance of U.S. dollar- denominated, below investment grade corporate debt publicly issued in the U.S. domestic market.



Name	Description
Citigroup 90-Day T-Bill Index	An index that measures the average return of the last three-month U.S. Treasury Bill issues
CRSP US Large Growth Cap Index	An index comprised of nearly 330 US large cap growth companies and includes securities traded on NYSE, NYSEMarket, NASDAQ, or ARCA, representing nearly 45% of the U.S. investable equity market. The index is reconstituted quarterly after the market close on the third Fridays of March, June, September, and December. CRSP classifies growth securities using the following factors: future long-term growth in earnings per share (EPS), future short-term growth in EPS, 3-year historical growth in EPS, 3-year historical growth in sales per share, current 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 micro capitalizations and includes securities traded on NYSE, NYSE Market, NASDAQ, or ARCA, representing nearly 100% of the U.S. investable equity market. The index is reconstituted quarterly after the market close on the third Fridays of March, June, September, and December.
Credit Suisse Leveraged Loan Index	Designed to mirror the investable universe of the U.S. dollar denominated leveraged loan market.
DJ U.S. Completion Total Stock Market Index	A capitalization-weighted index that consists of the stocks in the Dow Jones U.S. Total Stock Market Index less the 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 traded regularly on the organized exchanges. The index is the broadest measure of the aggregate domestic stock market and includes approximately 5,000 stocks.
FTSE 4Good U.S. Select Index	A socially responsible investment (SRI) index of US stocks that excludes companies with certain business activities such as weapons, tobacco, gambling, alcohol, nuclear power, and adult entertainment
FTSE All-World ex-U.S. Index	A capitalization-weighted stock index representing 46 developed market countries and emerging 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. Relevant real estate activities are defined as the ownership, disposure and development of income-producing real estate.
FTSE Global All Cap ex US Index	A market-capitalization weighted index representing the performance of roughly 5350 large, mid and small cap 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 companies in a set of industries that FTSE defines as being involved in infrastructure. The series is based on the FTSE Global Equity Index Series and both developed and emerging markets are included.



Name	Description
FTSE NAREIT U.S. Equity REITS	Free float adjusted, market capitalization weighted index of US based equity real estate investment trusts (REITs).
Goldman Sachs Commodity Index	A composite index of commodity sector returns which represents a broadly diversified, unleveraged, long-only position in commodity futures.
HFR Fund-of-Fund Index.	This index is equity-weighted including 800 constituents. It includes both domestic and offshore accounts and is valued in U.S. dollars. Only fund-of-fund products are included in the index that have at least \$50 million under managements and have been actively trading for at least one year. All funds report net returns on a monthly basis.
HFRI Fund Weighted Composite Index	The HFRI Fund Weighted Composite Index is a global, equal-weighted index of over 2,000 single-manager funds that report to HFR Database. Constituent funds report monthly net of all fees performance in US Dollar and have a minimum of \$50 Million under management or a twelve (12) month track record of active performance. The HFRI Fund Weighted Composite Index does not include Funds of Hedge Funds.
Hueler Stable Value Index	The Hueler Analytics Stable Value Pooled Fund Comparative Universe represents investment strategies of \$96 billion in stable value assets, across 24 pooled funds, invested in contracts universe across a universe of 16 general account issuers and 14 synthetic wrap providers. The allocation of pooled fund assets is dominated by 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 by emerging market sovereign and quasi-sovereign entities. The Diversified version limits the weights of the index countries by only including a specified portion of those countries' eligible current face amounts of debt outstanding, providing for 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 currently represents over 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 currently represents over 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, Australia, the Far East, the Middle East, Latin America and North America. Index consists of 23 developed and 21 emerging countries, but 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 developed (excluding the United States) and 24 emerging market countries. The index is the broadest measure of the aggregate non-US stock market, covering approximately 99% of the global equity investment opportunity set outside of the United States.



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 the companies in the MSCI Standard Indices (excluding U.S.), and target approximately 14% of each market's free-float adjusted market capitalization.
MSCI All Country World Index IMI	A capitalization-weighted index of large, mid and small cap stocks representing 23 developed and 24 emerging market countries. The index is the broadest measure of the aggregate global stock market, covering approximately 99% of the global equity investment opportunity set.
MSCI All Country World Index	A capitalization-weighted index of stocks representing 46 stock markets in Europe, Australia, the Far East, the Middle East, Latin America and North America.
MSCI EAFE Growth Index	A capitalization-weighted index of 21 stock markets in Europe, Australia, Asia and the Far East designed to capture the growth-oriented companies.
MSCI EAFE Small Cap Index	A capitalization-weighted index of small cap stocks representing 23 developed country markets in Europe, Australia, Asia, and the Far East.
MSCI EAFE Value Index	A capitalization-weighted index of 21 stock markets in Europe, Australia, Asia and the Far East designed to capture the value-oriented companies.
MSCI Emerging Markets Index	A capitalization-weighted index of stocks representing 22 emerging country markets.
MSCI U.S. Broad Market Index	A capitalization-weighted stock index that aggregates the MSCI U.S. Large Cap 300, Mid Cap 450, Small Cap 1,750 and Micro-Cap Indices. This index represents approximately 99.5% of the capitalization of the U.S. Equity market and includes approximately 3,562 companies.
MSCI U.S. REIT Index	A broad index that fairly represents the equity REIT opportunity set with proper invest ability screens to ensure that the index is investable and replicable. The index represents approximately 85% of the U.S. REIT universe
MSCI World Index	A free float-adjusted market capitalization weighted index that is designed to measure the equity market performance of developed markets, representing 24 developed market country indices.
NCREIF Property Index	NCREIF Property Index - A capitalization-weighted index of privately owned investment grade income-producing properties representing approximately \$269 billion in assets.



Name	Description
NFI ODCE Index	NFI ODCE Index - A capitalization weighted index comprised of open-end, Core funds investing in commercial real estate properties. The funds that constitute the index are subject to certain geographic and property type diversification requirements as well as leverage restrictions. The index reflects the impact of leverage on investment results. The returns shown in this report are net of management fees of the respective funds included in the index.
Rolling 3-year Constant Maturity Treasury Index	An index published by the Federal Reserve Board based on the monthly average yield of a range of Treasury securities, 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 higher price-to- book ratios and higher I/B/E/S growth forecasts.
Russell 1000 Index	A capitalization-weighted index of the 1,000 largest publicly traded U.S. stocks by capitalization.
Russell 1000 Value Index.	An index that measures the performance of those stocks included in the Russell 1000 Index with lower price-to-book 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 higher price-to-book ratios and higher I/B/E/S earnings growth forecasts.
Russell 2000 Index	A capitalization-weighted index of the smallest 2,000 stocks in the Russell 3000 Index. The index excludes the largest-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 2000 Index with lower price-to-book ratios and lower I/B/E/S earnings growth forecasts.
Russell 2500 Growth Index	A capitalization-weighted index representing those companies within the Russell 2500 Index with higher price-to-book 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. stocks and ranking them by market 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 2500 Index with lower price-to-book ratios and lower I/B/E/S earnings growth forecasts.



Name	Description
Russell 3000 Growth Index	A capitalization-weighted index consisting of those Russell 3000 Index stocks that have higher price-to-book ratios 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. stocks by capitalization. This index 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 have lower price-to-book ratios and lower I/B/E/S earnings growth forecasts.
Russell Mid Cap Growth Index	A capitalization-weighted index representing those stocks in the Russell MidCap Index with higher price-to-book ratios 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 have lower price-to-book ratios and lower I/B/E/S earnings growth forecasts.
S&P 500 Index	A capitalization-weighted index representing stocks chosen by Standard & Poor's, Inc. for their size, liquidity, stability and industry group representation. The companies in the S&P 500 Index are generally among the largest in their industries.
S&P Completion Index	The S&P Completion Index is a sub-index of the S&P Total Market Index, including all stocks eligible for the S&P TMI and excluding all current constituents of the S&P 500. The index covers approximately 4,000 constituents, offering 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 recognized benchmarks, the S&P GSCI® is broad-based, production weighted, and meant to be representative of the global commodity market beta.
S&P Leverage Loan Index	A daily total return index that uses LSTA/LPC Mark-to-Market Pricing to calculate market value change.
S&P Midcap 400 Index	A market-capitalization-weighted index of stocks in all major industries in the mid-range of the U.S. stock market.
Wilshire REIT	A measure of the types of U.S. real estate securities that represent the ownership and operation of commercial or residential real estate. To be included in the index, a company must have a market capitalization of \$200 million and have at least 75% of the total revenue derived from the ownership and operation of the real estate assets.

- Indices cannot be invested in directly. Unmanaged index returns assume reinvestment of any and all distributions and do not reflect our fees or expenses.
- Past performance is no guarantee of future results.



#### Notes

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

Universe percentiles are based upon an ordering system in which 1 is the best ranking and 100 is the worst ranking.

Due to rounding throughout the report, percentage totals displayed may not sum up to 100.0%. Additionally, individual fund totals in dollar terms may not sum up to the plan totals.



#### Disclaimer

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

Unless otherwise noted, performance returns presented reflect the respective fund's performance as indicated. Returns may be presented on a before-fees basis (gross) or after-fees basis (net). After-fee performance is net of each respective sub-advisors' investment management fees and include the reinvestment of dividends and interest as indicated on the notes page within this report or on the asset allocation and performance summary pages. Actual returns may be reduced by Aon Investments' investments advisory fees or other trust payable expenses you may incur as a client. Aon Investments' advisory fees are described in Form ADV Part 2A. Portfolio performance, characteristics and volatility also may differ from the benchmark(s) shown.

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