



**Location:** Executive Boardroom



**Date:** Tuesday, October 18, 2022



**Time:** 9:00 am

- Joseph Peychaud, Chair      Kenneth Davis
- Alejandra Guzman      Mubashir Maqbool
- Maurice Sholas
- Nichelle Taylor
- Harold Heller
- Rebecca Johnsey

## Pension Committee Meeting Agenda

### I. Roll Call

### II. Presentation Items

- Executive Summary of September 2022 Market Performance - Kweku Obed, Marquette Associates, Inc
- Asset Allocation Transition Plan – Kweku Obed, Marquette Associates, Inc

### III. Action Items

- Resolution (R-152-2022) To reallocate real estate index funds between index funds and reallocate from core fixed income fund to a global infrastructure fund in accordance with the Investment Policy Statement.
- Resolution (R-153-2022) To reallocate US equities and fixed income funds to a Large Cap, Mid Cap and Small Cap index funds in accordance with the Investment Policy Statement.

### IV. Executive Session

- Pursuant to La. R.S. 42:17(A)(1), the Pension Committee of the Sewerage and Water Board of New Orleans will meet in Executive Session to discuss the following: assess a Disability Retirement Allowance Application*

### V. Information Item

- September 2022 Supplemental Performance Report – Marquette Associates, Inc.

### VI. Public Comment

### VII. Adjournment

# September 2022

## Executive Summary



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# U.S. Economy

# Year-to-date returns

2022 YTD	2021	2020	2019	2018	2017	2016	2015	2014	2013	5yr	10yr
Commodities 21.8%	Commodities 40.4%	Broad U.S. Equities 20.9%	Large Cap 31.5%	Real Estate 6.7%	Emerging Markets 37.3%	Small Cap 21.3%	Real Estate 13.3%	Large Cap 13.7%	Small Cap 38.8%	Large Cap 9.7%	Large Cap 12.0%
Real Estate 12.0%	Large Cap 28.7%	Small Cap 20.0%	Broad U.S. Equities 31.0%	Hedge Funds 4.8%	Intl Small Cap 33.0%	High Yield 17.1%	Intl Small Cap 9.6%	Mid Cap 13.2%	Mid Cap 34.8%	Broad U.S. Equities 9.1%	Broad U.S. Equities 11.7%
Bank Loans -3.3%	Broad U.S. Equities 25.7%	Large Cap 18.4%	Mid Cap 30.5%	Bank Loans 1.1%	Broad Intl Equities 27.2%	Mid Cap 13.8%	Large Cap 1.4%	Broad U.S. Equities 12.6%	Broad U.S. Equities 33.6%	Real Estate 8.9%	Mid Cap 10.5%
Hedge Funds -6.2%	Mid Cap 22.6%	Emerging Markets 18.3%	Small Cap 25.5%	Core Bond 0.0%	Intl Large Cap 25.0%	Broad U.S. Equities 12.7%	Core Bond 0.5%	Real Estate 11.8%	Large Cap 32.4%	Commodities 8.5%	Real Estate 9.7%
Core Bond -14.6%	Real Estate 17.7%	Mid Cap 17.1%	Intl Small Cap 25.0%	High Yield -2.1%	Large Cap 21.8%	Large Cap 12.0%	Broad U.S. Equities 0.5%	Core Bond 6.0%	Intl Small Cap 29.3%	Mid Cap 7.1%	Small Cap 8.9%
High Yield -14.7%	Small Cap 14.8%	Intl Small Cap 12.3%	Intl Large Cap 22.0%	Large Cap -4.4%	Broad U.S. Equities 21.1%	Commodities 11.4%	Bank Loans -0.4%	Small Cap 4.9%	Intl Large Cap 22.8%	Hedge Funds 5.1%	Intl Small Cap 5.8%
Large Cap -23.9%	Intl Large Cap 11.3%	Hedge Funds 11.8%	Broad Intl Equities 21.5%	Broad U.S. Equities -5.2%	Mid Cap 18.5%	Emerging Markets 11.2%	Intl Large Cap -0.8%	Hedge Funds 3.0%	Broad Intl Equities 15.3%	Small Cap 4.8%	Hedge Funds 5.0%
Mid Cap -24.3%	Hedge Funds 10.2%	Broad Intl Equities 10.7%	Emerging Markets 18.4%	Mid Cap -9.1%	Small Cap 14.6%	Bank Loans 9.9%	Hedge Funds -1.1%	High Yield 2.5%	Real Estate 11.0%	Bank Loans 3.1%	High Yield 4.1%
Broad U.S. Equities -24.6%	Intl Small Cap 10.1%	Intl Large Cap 7.8%	Commodities 17.6%	Small Cap -11.0%	Hedge Funds 8.6%	Real Estate 8.0%	Mid Cap -2.4%	Bank Loans 2.1%	Hedge Funds 9.1%	High Yield 1.8%	Intl Large Cap 4.0%
Small Cap -25.1%	Broad Intl Equities 7.8%	Core Bond 7.5%	High Yield 14.3%	Intl Large Cap -13.8%	High Yield 7.5%	Hedge Funds 5.4%	Small Cap -4.4%	Emerging Markets -2.2%	High Yield 7.4%	Intl Large Cap -0.4%	Bank Loans 3.8%
Broad Intl Equities -26.5%	Bank Loans 5.4%	High Yield 7.1%	Hedge Funds 10.5%	Commodities -13.8%	Real Estate 7.0%	Broad Intl Equities 4.5%	High Yield -4.5%	Broad Intl Equities -3.9%	Bank Loans 6.2%	Core Bond -0.4%	Broad Intl Equities 3.4%
Intl Large Cap -27.1%	High Yield 5.3%	Bank Loans 2.8%	Core Bond 8.7%	Broad Intl Equities -14.2%	Commodities 5.8%	Core Bond 2.6%	Broad Intl Equities -5.7%	Intl Large Cap -4.9%	Commodities -1.2%	Broad Intl Equities -0.5%	Emerging Markets 1.6%
Emerging Markets -27.2%	Core Bond -1.5%	Real Estate 1.6%	Bank Loans 8.2%	Emerging Markets -14.6%	Bank Loans 4.2%	Intl Small Cap 2.2%	Emerging Markets -14.9%	Intl Small Cap -4.9%	Core Bond -2.0%	Intl Small Cap -1.2%	Core Bond 0.9%
Intl Small Cap -32.1%	Emerging Markets -2.5%	Commodities -23.7%	Real Estate 6.4%	Intl Small Cap -17.9%	Core Bond 3.5%	Intl Large Cap 1.0%	Commodities -32.9%	Commodities -33.1%	Emerging Markets -2.6%	Emerging Markets -1.9%	Commodities -4.1%

Source: Bloomberg as of September 30, 2022. Real Estate is as of June 30, 2022. Please see end of document for benchmark information.

# Asset class outlook

		CHANGE	HEADWINDS		NEUTRAL	TAILWINDS	
Fixed Income	Core bonds	▲	□	□	□	■	□
	Bank loans		□	□	□	■	□
	High yield		□	□	□	■	□
	EMD		□	□	■	□	□
U.S. Equities	Large-cap		□	□	■	□	□
	Mid-cap		□	□	■	□	□
	Small-cap		□	■	□	□	□
	Value	▲	□	□	■	□	□
	Growth		□	■	□	□	□
Non-U.S. Equities	Developed large-cap		□	■	□	□	□
	Developed small-cap		□	■	□	□	□
	Emerging markets		□	□	■	□	□
Real Assets	Core real estate	▼	□	■	□	□	□
	Value-add real estate		□	□	□	■	□
	Infrastructure		□	□	□	■	□
Hedge Funds	Equity long/short		□	□	□	■	□
	Credit	▲	□	□	□	■	□
	VRP		□	□	■	□	□
Private Equity	Buyout		□	□	□	■	□
	Venture Capital		□	□	□	■	□
Private Credit	Direct lending		□	□	□	□	■
	Distressed/opportunistic		□	■	□	□	□

## TAKEAWAYS

- **Fixed Income:** Higher rates have pushed the yield on the Bloomberg Aggregate higher and core bonds are providing attractive starting yield. Recession probabilities continue to tick up and core fixed income can provide protection in down markets as interest rates fall. Spread sectors remain volatile, with attractive valuations.
- **U.S.:** Risk assets remain sensitive to macro headwinds, as the Fed focuses on combatting inflation. More defensive equities and high-quality growers with stable cash flows may be poised for relative outperformance. Recent compression has led to more attractive valuation multiples across U.S. equity indices, with Value indices at historic lows. With the rising probability of recession, however, deep cyclicals may be more impacted. Earnings expectations signal the potential for the lowest earnings growth rate in two years against a backdrop of higher rates and currency movements.
- **Non-U.S.:** Recession probabilities continue to climb, especially for Europe. Developed central bank monetary policy will weigh on growth as the focus remains on inflation. The short-term outlook is negative, but valuations are very attractive, setting up for strong performance potential 3–5 years out.
- **Real Assets:** Higher interest rates, inflationary pressures, and elevated costs of capital will exert downward pressure on near-term real estate pricing. Energy transition initiatives and recent legislative measures should drive demand for infrastructure.
- **Hedge Funds:** Hedge funds should continue to help protect capital against a volatile macro backdrop. In Credit, spreads have widened to attractive levels and defaults are expected to rise, expanding the opportunity set for stressed and distressed managers.
- **Private Equity:** Profitability pressure has persisted due to continued wage increases, supply chain challenges, and the rising cost of debt. Public market volatility and valuation compression is likely to continue, which may create opportunities for those with dry powder. Continued capital in-flows into larger private market funds should remain additive to the exit environment for the small buyout, lower-middle market, and early-stage venture funds.
- **Private Credit:** Direct lending is attractive against the backdrop of increased inflation and rising rates, given a majority of loans contain floating interest rates linked to LIBOR/SOFR. Investors benefit from a strong structure and yield premium relative to traditional fixed income. Distressed and opportunistic are challenged in the current market.

For illustration only, as of September 30, 2022. These views apply to a 6- to 12-month horizon; arrows in Change column represent change in view since last quarter. This summary of individual asset class views shows relative direction and strength of conviction but is independent of portfolio construction considerations. These views should not be construed as a recommended portfolio or investment advice. Past performance does not imply future returns.

# CPI

**Year-over-year headline CPI ticked down in August to 8.3%; core inflation reaccelerated to 6.3% amid broad-based price pressures**



Source: Bloomberg, Bureau of Labor Statistics as of September 30, 2022

# Fixed Income

# Fixed income performance

**After a brief rally in July, fixed income's dismal performance for the year continued in the third quarter as rates moved higher**

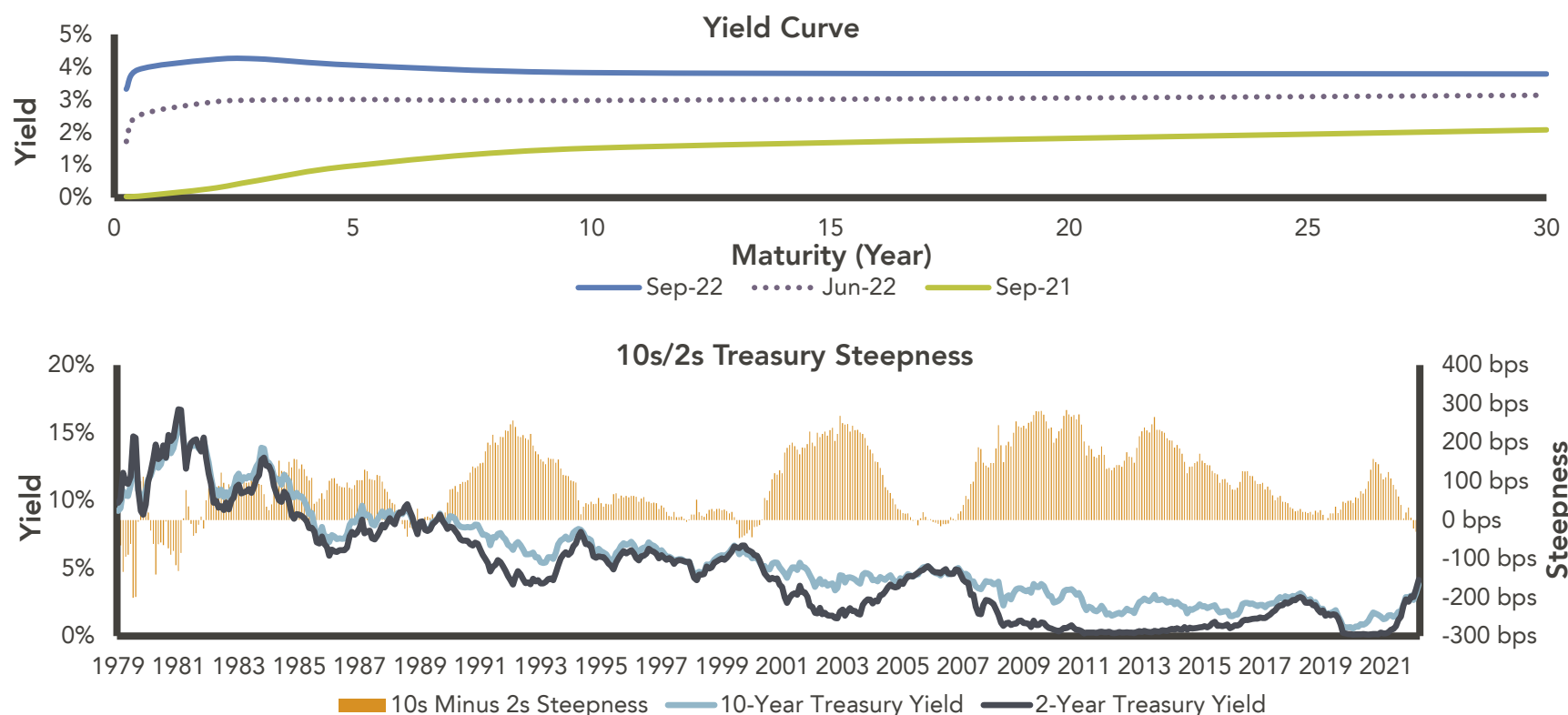
		MTD (%)	QTD (%)	YTD (%)	1 Yr (%)	3 Yr (%)	5 Yr (%)	10 Yr (%)
<b>Broad Market Index</b>	Blm Aggregate	-4.3	-4.8	-14.6	-14.6	-3.3	-0.3	0.9
<b>Intermediate Index</b>	Blm Int. Gov./Credit	-2.7	-3.1	-9.6	-10.1	-1.6	0.4	1.0
<b>Government Only Indices</b>	Blm Long Gov.	-7.9	-9.6	-28.8	-26.6	-8.5	-1.6	0.6
	Blm Int. Gov.	-2.4	-3.1	-8.6	-9.2	-1.7	0.2	0.6
	Blm 1-3 Year Gov.	-1.2	-1.5	-4.5	-5.1	-0.5	0.5	0.6
	Blm U.S. TIPS	-6.6	-5.1	-13.6	-11.6	0.8	2.0	1.0
<b>Credit Indices</b>	Blm U.S. Long Credit	-8.6	-8.6	-29.1	-28.0	-7.0	-1.2	1.7
	Blm High Yield	-4.0	-0.6	-14.7	-14.1	-0.5	1.6	3.9
	CS Leveraged Loan Index	-2.2	1.2	-3.3	-2.6	2.1	3.0	3.7
<b>Securitized Bond Indices</b>	Blm MBS	-5.1	-5.3	-13.7	-14.0	-3.7	-0.9	0.5
	Blm ABS	-1.2	-1.3	-5.1	-5.6	-0.2	1.0	1.2
	Blm CMBS	-3.1	-3.8	-11.8	-12.4	-2.1	0.7	1.6
<b>Non-U.S. Indices</b>	Blm Global Aggregate Hedged	-3.2	-3.3	-12.1	-12.1	-3.1	0.3	1.7
	JPM EMBI Global Diversified	-6.4	-4.6	-23.9	-24.3	-7.2	-2.6	1.1
	JPM GBI-EM Global Diversified	-4.9	-4.7	-18.6	-20.6	-7.1	-3.9	-2.4
<b>Municipal Indices</b>	Blm Municipal 5 Year	-2.8	-2.7	-8.1	-8.0	-0.9	0.5	1.2
	Blm HY Municipal	-6.2	-4.8	-16.0	-15.1	-1.4	2.3	3.5

Source: Bloomberg, Credit Suisse, JPMorgan as of September 30, 2022. The local currency GBI index is hedged and denominated in U.S. dollars.



# U.S. Treasury yield curve and steepness

The yield curve pushed from flat to the steepest level since 2000, with front-end rates moving higher as a result of aggressive Fed policy



Source: Federal Reserve as of September 30, 2022

# U.S. Equities

# U.S. equity performance

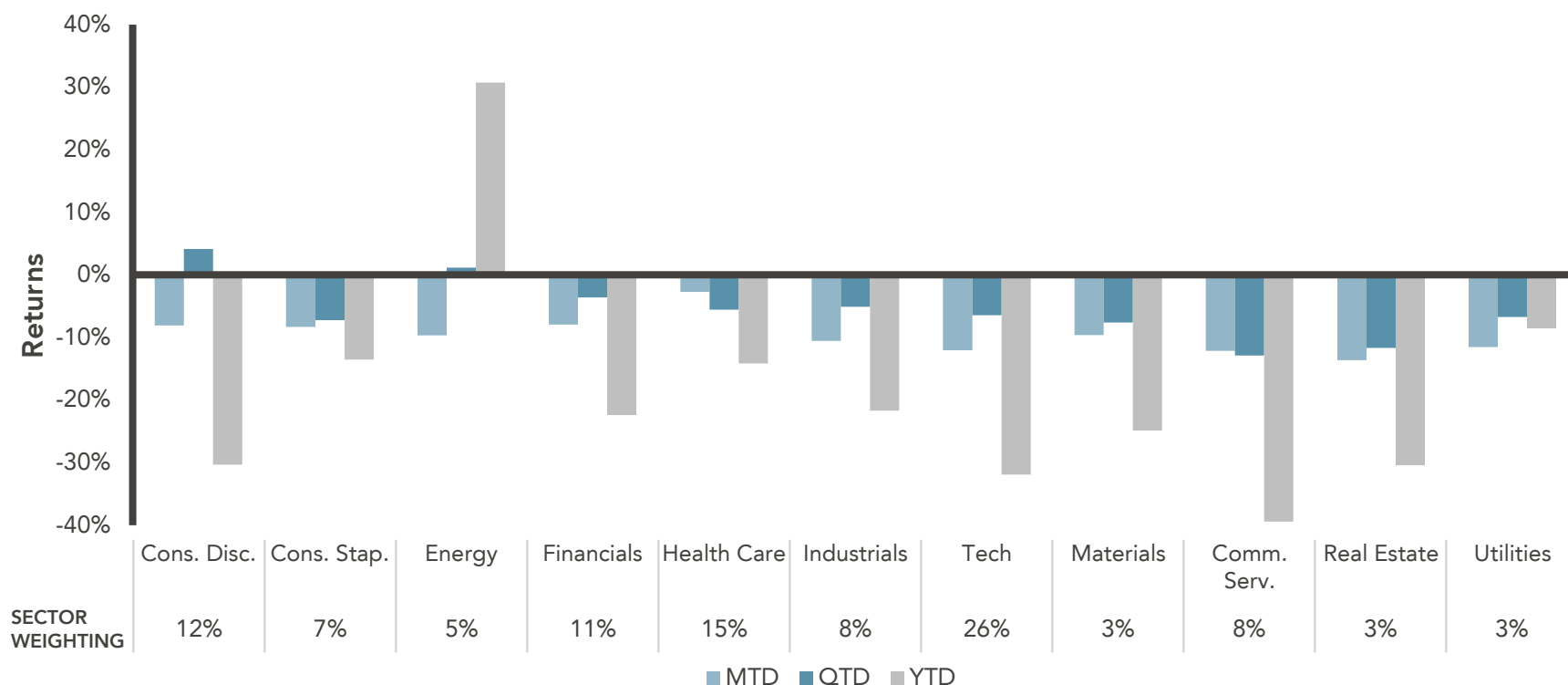
**Most major domestic equity indices closed third quarter with losses following a tough September**

		MTD (%)	QTD (%)	YTD (%)	1 Yr (%)	3 Yr (%)	5 Yr (%)	10 Yr (%)
<b>Broad Market Indices</b>	Dow Jones	-8.8	-6.2	-19.7	-13.4	4.4	7.4	10.5
	Wilshire 5000	-9.3	-4.5	-24.4	-17.2	8.1	8.8	11.5
	Russell 3000	-9.3	-4.5	-24.6	-17.6	7.7	8.6	11.4
<b>Large-Cap Market Indices</b>	S&P 500	-9.2	-4.9	-23.9	-15.5	8.2	9.2	11.7
	Russell 1000	-9.3	-4.6	-24.6	-17.2	7.9	9.0	11.6
	Russell 1000 Value	-8.8	-5.6	-17.8	-11.4	4.4	5.3	9.2
	Russell 1000 Growth	-9.7	-3.6	-30.7	-22.6	10.7	12.2	13.7
<b>Mid-Cap Market Indices</b>	Russell Mid-Cap	-9.3	-3.4	-24.3	-19.4	5.2	6.5	10.3
	Russell Mid-Cap Value	-9.7	-4.9	-20.4	-13.6	4.5	4.8	9.4
	Russell Mid-Cap Growth	-8.5	-0.7	-31.5	-29.5	4.3	7.6	10.9
<b>Small-Cap Market Indices</b>	Russell 2000	-9.6	-2.2	-25.1	-23.5	4.3	3.6	8.6
	Russell 2000 Value	-10.2	-4.6	-21.1	-17.7	4.7	2.9	7.9
	Russell 2000 Growth	-9.0	0.2	-29.3	-29.3	2.9	3.6	8.8

Source: Bloomberg as of September 30, 2022

# S&P 500 sector performance

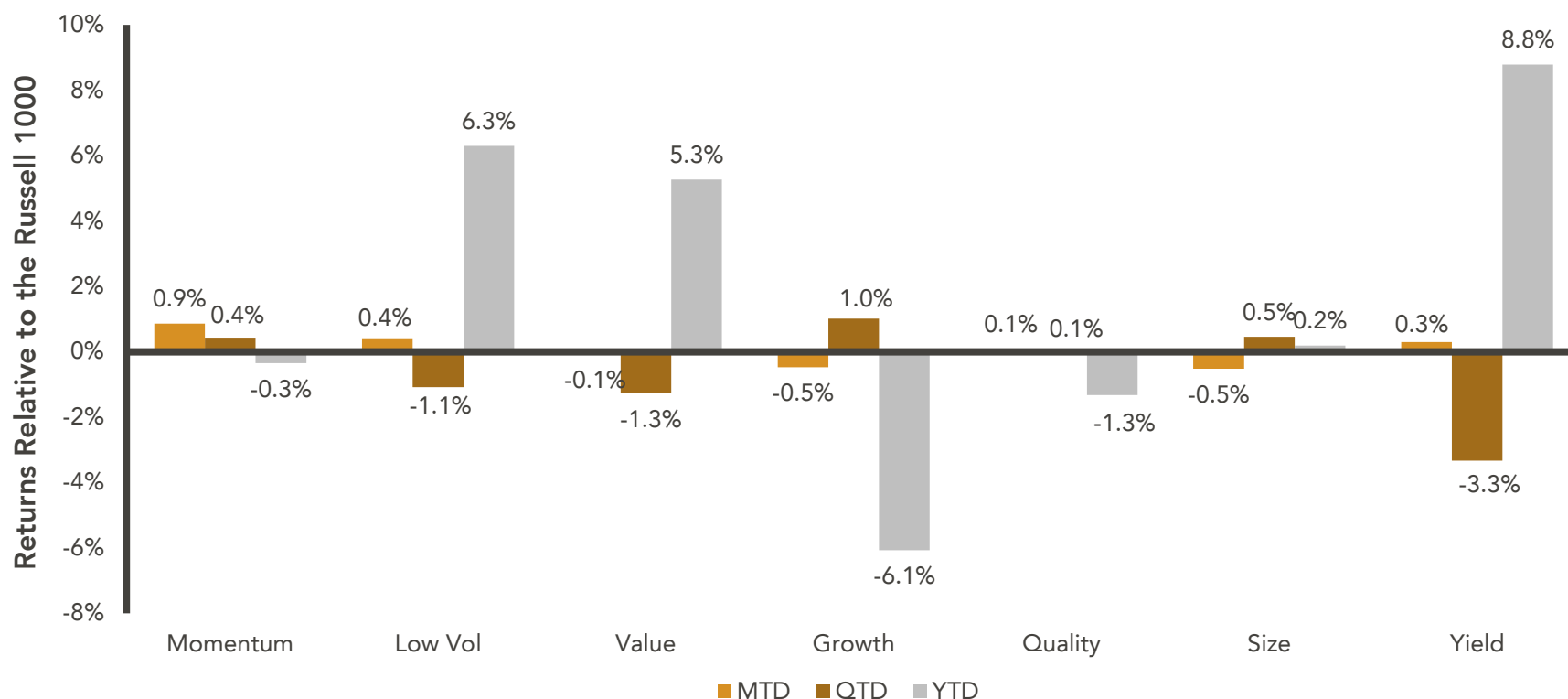
**Most sectors were negative in the third quarter; energy is now the lone positive sector year-to-date**



Source: Bloomberg as of September 30, 2022

# S&P 500 factor performance

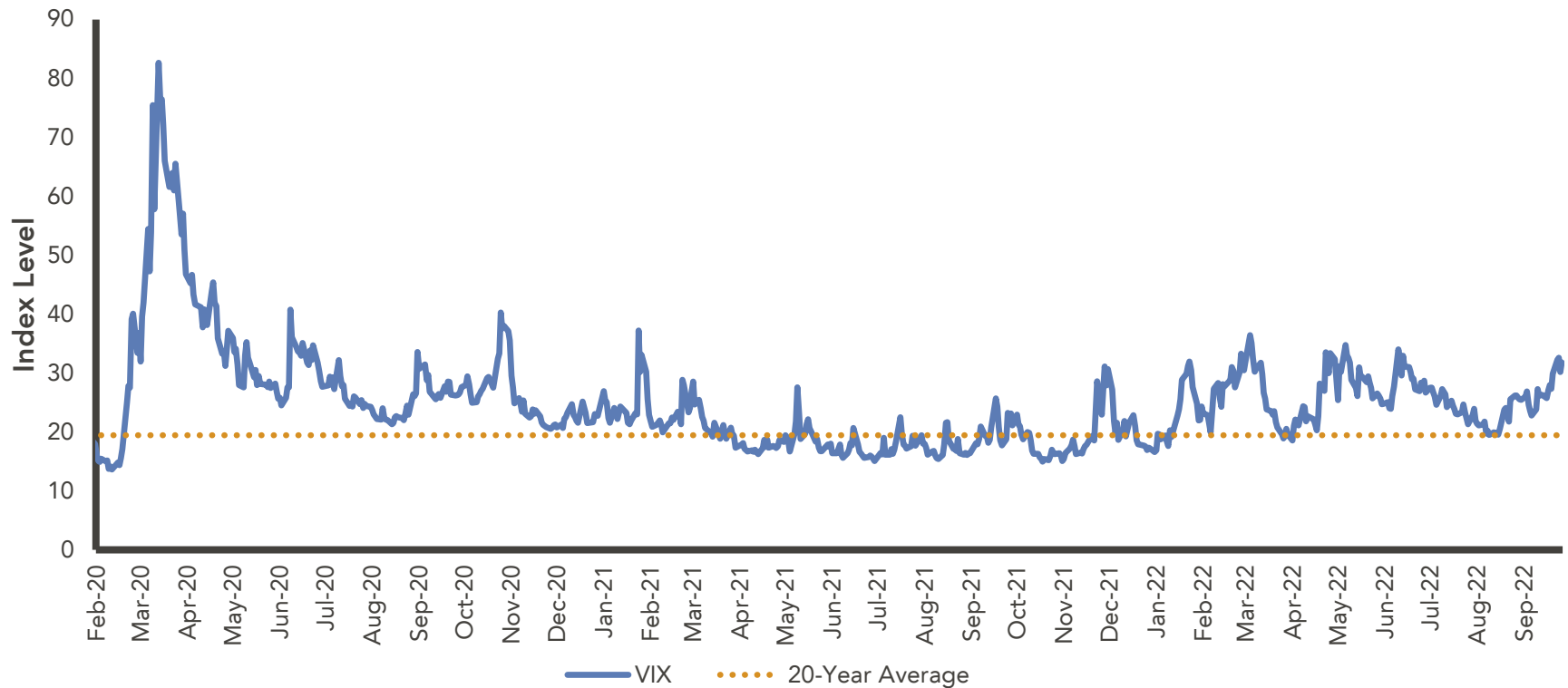
Despite struggling in the third quarter, higher-yielding, lower-volatility, and value-oriented securities continue to lead year-to-date



Source: Bloomberg as of September 30, 2022

# Equity market volatility

The VIX exhibited elevated levels during the quarter amid continued market turbulence, generally remaining above its 20-year average



Source: Bloomberg as of September 30, 2022

# Non-U.S. Equities

# Global equity performance

## Non-U.S. equities posted sizeable losses in the third quarter

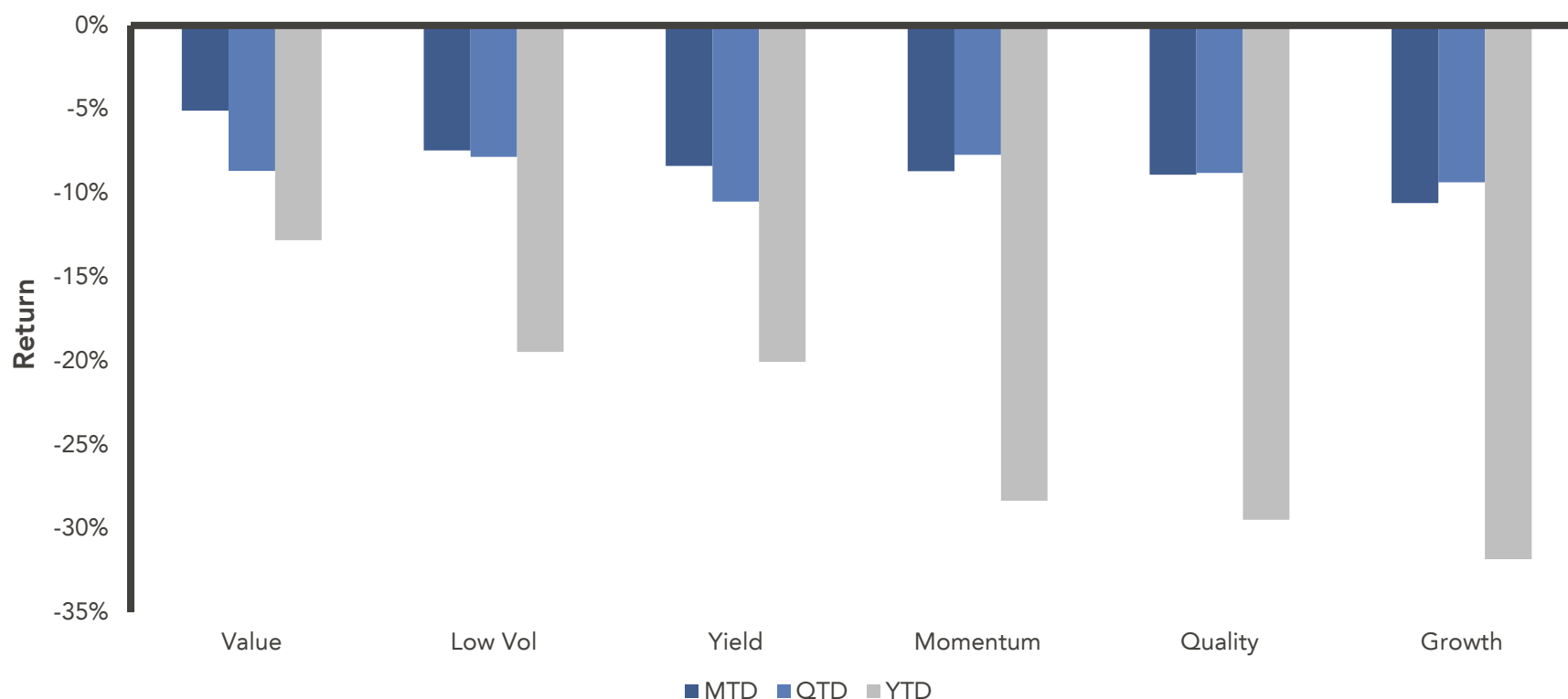
		MTD (%)	QTD (%)	YTD (%)	1 Yr (%)	3 Yr (%)	5 Yr (%)	10 Yr (%)
Global Equity Market Indices	MSCI ACWI	-9.6	-6.8	-25.6	-20.7	3.7	4.4	7.3
	MSCI ACWI ex. U.S.	-10.0	-9.9	-26.5	-25.2	-1.5	-0.8	3.0
Developed Markets Indices	MSCI EAFE	-9.4	-9.4	-27.1	-25.1	-1.8	-0.8	3.7
	MSCI EAFE Local	-6.2	-3.6	-14.5	-11.1	2.5	2.8	7.4
Emerging Markets Indices	MSCI Emerging Markets	-11.7	-11.6	-27.2	-28.1	-2.1	-1.8	1.0
	MSCI EM Local	-9.4	-8.2	-20.8	-21.5	1.1	1.1	4.5
Small-Cap Market Indices	MSCI EAFE Small-Cap	-11.5	-9.8	-32.1	-32.1	-2.2	-1.8	5.3
	MSCI EM Small-Cap	-10.0	-5.3	-24.2	-23.2	5.5	1.3	2.9
Frontier Markets Index	MSCI Frontier	-9.3	-6.5	-25.7	-25.2	-1.3	-1.2	3.6

Source: Bloomberg as of September 30, 2022



# MSCI ACWI ex-U.S. factor performance

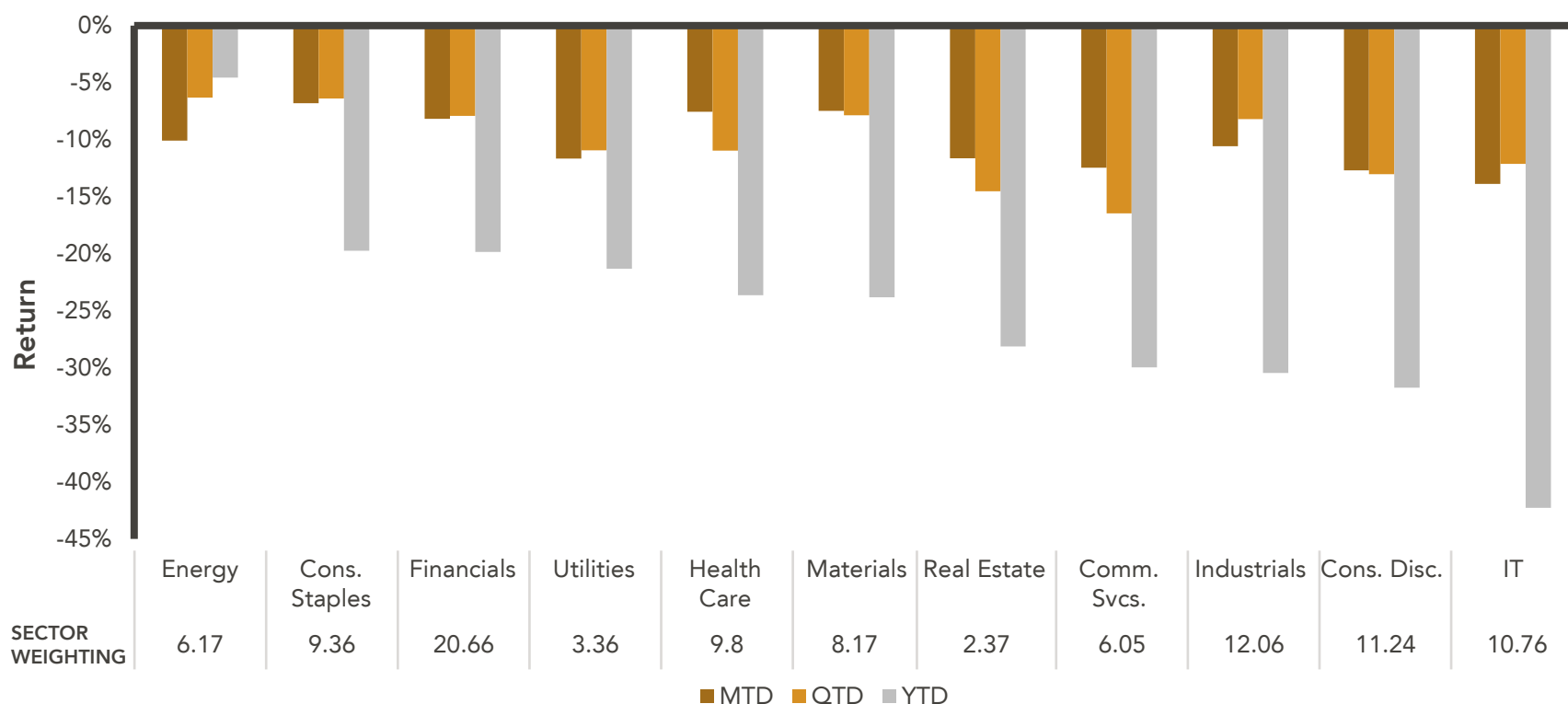
After growth, quality and momentum underperformed in the first half of the year, there was less differentiation by factor in 3Q



Source: Bloomberg as of September 30, 2022

# MSCI ACWI ex-U.S. sector performance

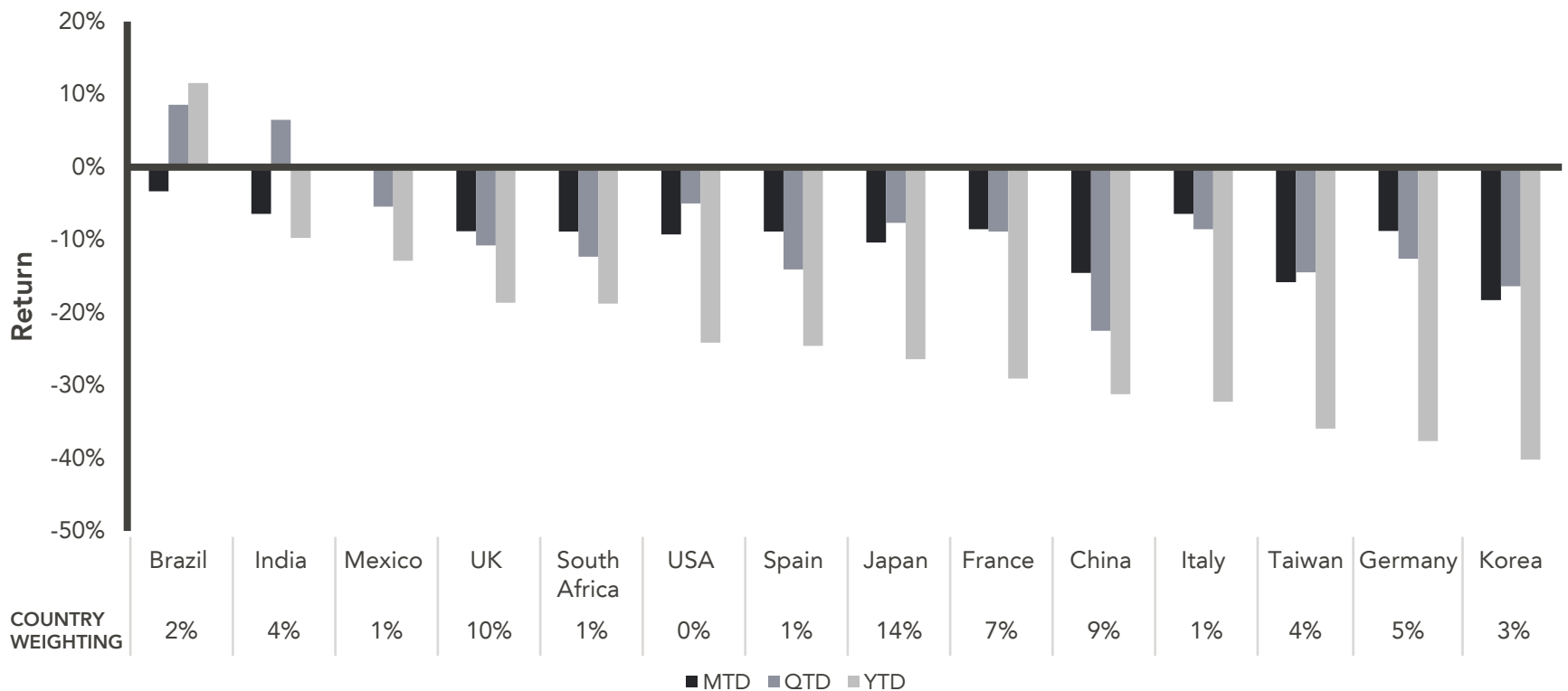
**Growthier sectors – Tech, Discretionary and Communication Services – continued to underperform in 3Q**



Source: eVestment as of September 30, 2022

# Country performance

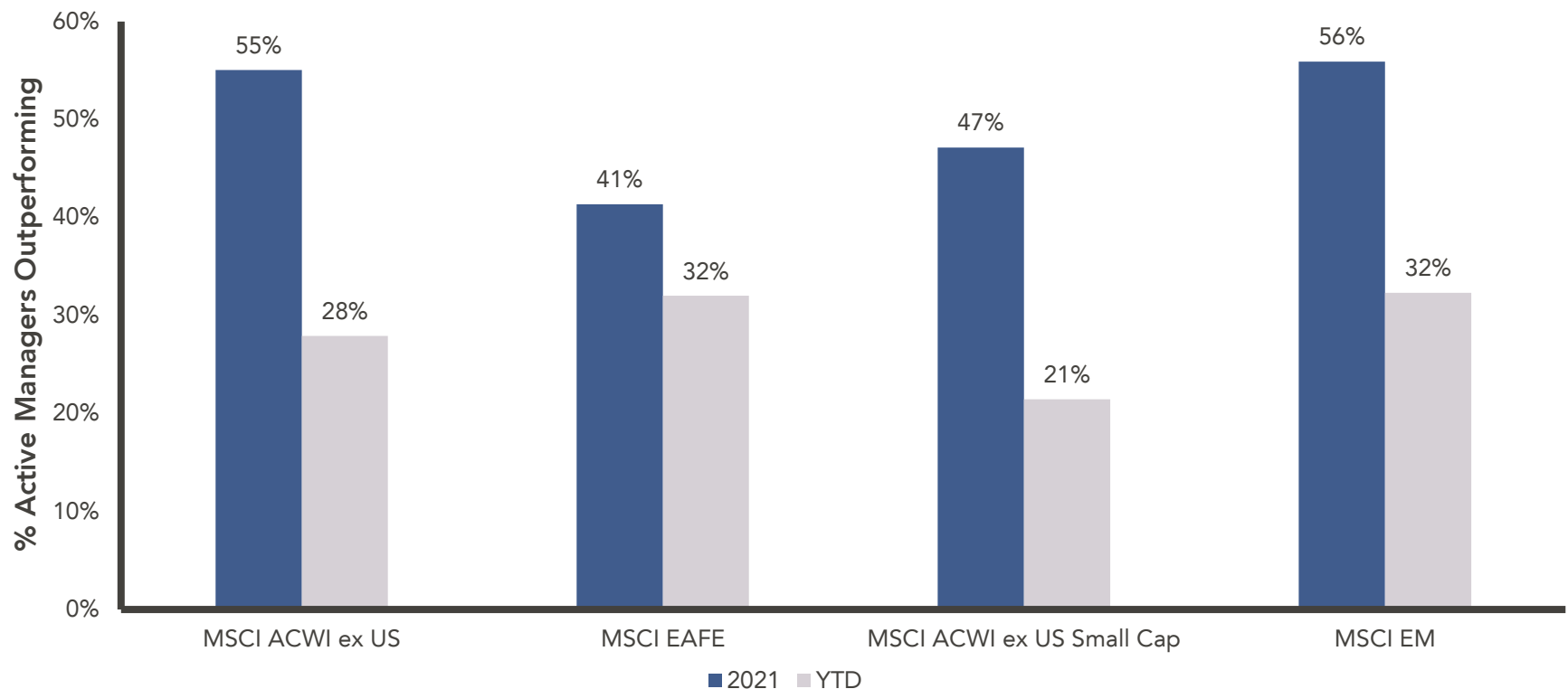
No place to hide; most equity markets are down double digits YTD



Source: eVestment as of September 30, 2022. Country weighting as a percentage of the MSCI ACWI ex U.S. Index.

# Active manager performance

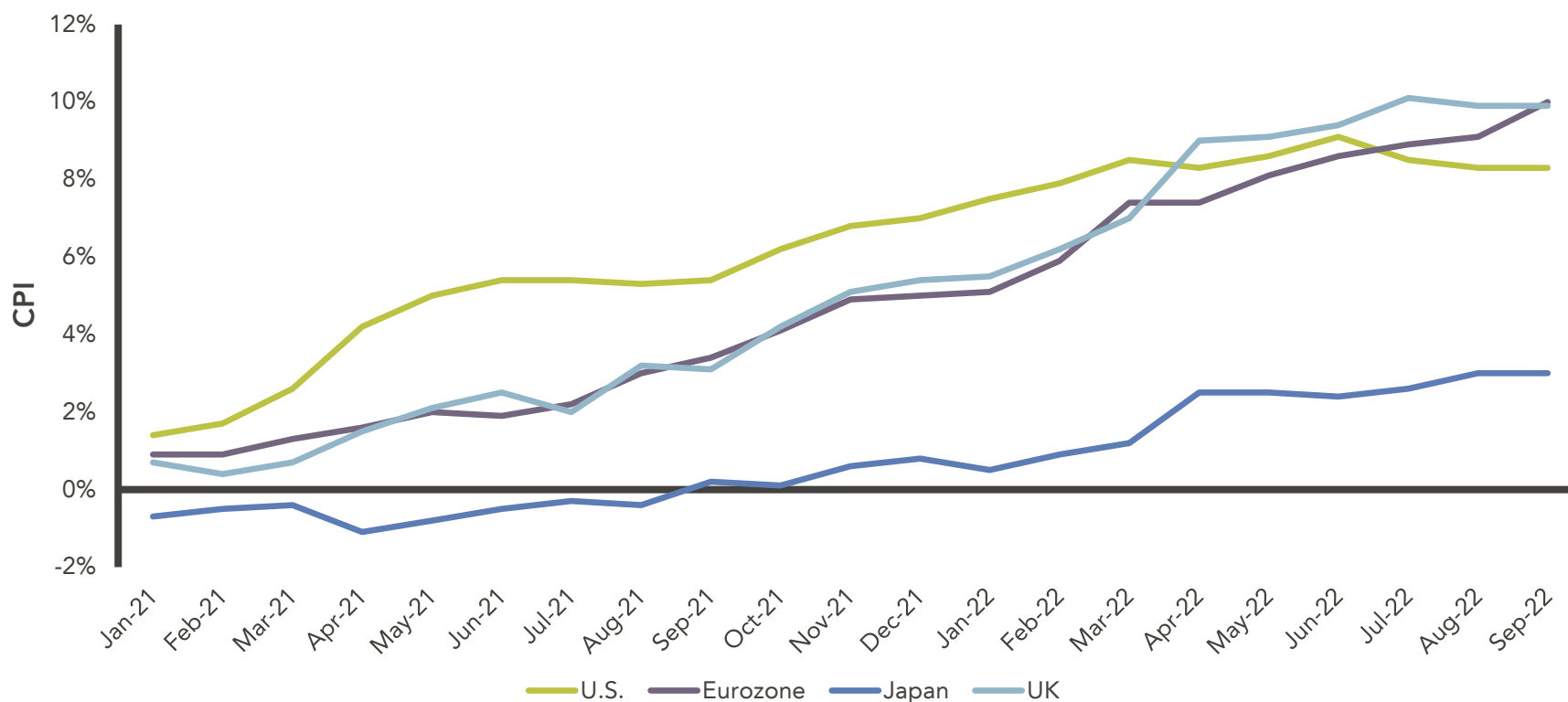
**Active managers have struggled this year with markets driven by macroeconomic factors**



Source: Morningstar as of September 30, 2022. Data pulled on October 4, 2022.

# Global inflation

While inflation is still elevated in the U.S., CPI is even worse in Europe



Source: Bloomberg as of September 30, 2022; based on preliminary September data

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# Real Estate

# Real estate performance

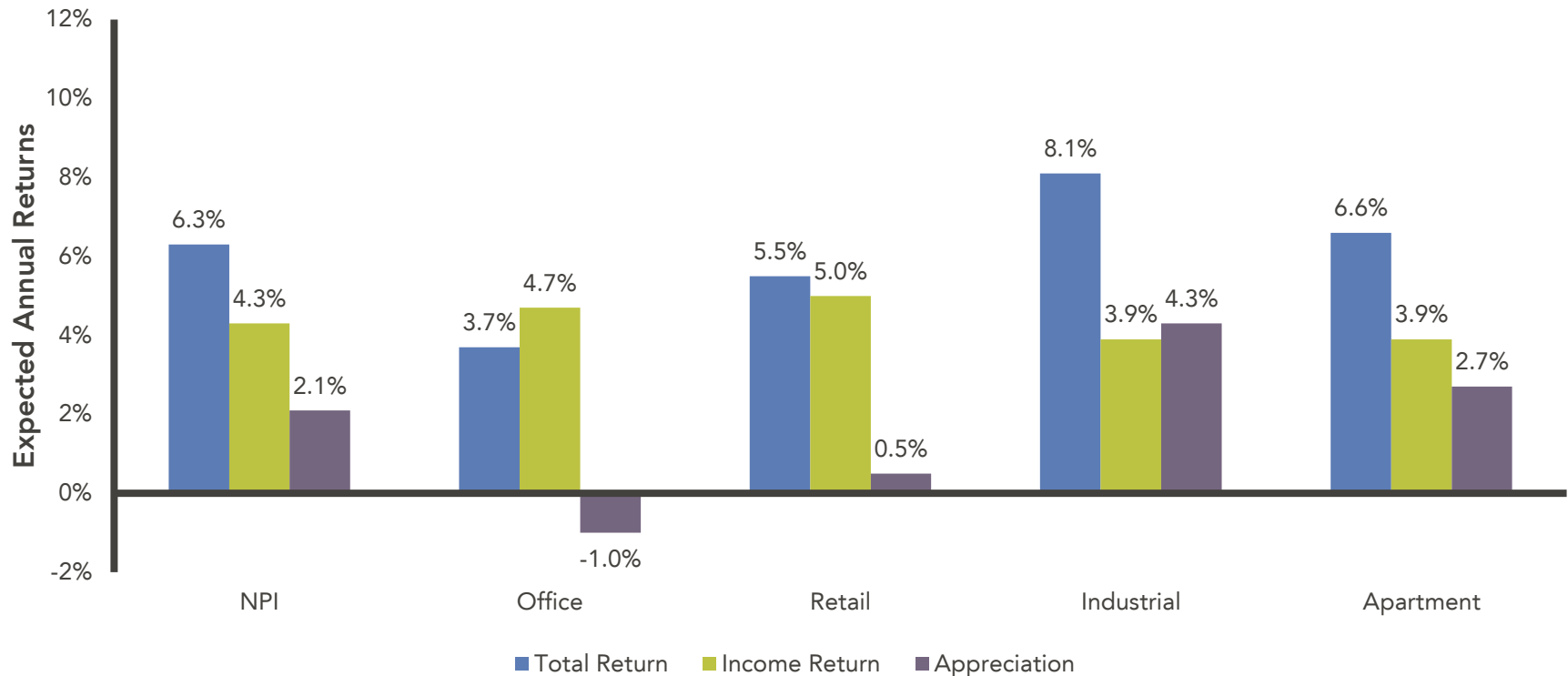
**Real estate returns began to equilibrate in 2Q 2022, driven by upward movements in cap rates and debt costs across property sectors**

Indices	2Q22 (%)	YTD (%)	1 Yr (%)	3 Yr (%)	5 Yr (%)	10 Yr (%)
<b>NPI</b>	<b>3.2</b>	<b>5.3</b>	<b>21.5</b>	<b>10.2</b>	<b>8.9</b>	<b>9.7</b>
Income	1.0	2.0	4.1	4.2	4.4	4.9
Appreciation	2.5	7.0	16.9	5.8	4.4	4.7
<b>NFI-ODCE*</b>	<b>4.8</b>	<b>12.0</b>	<b>29.5</b>	<b>12.7</b>	<b>10.6</b>	<b>11.2</b>
Income	0.9	2.0	3.8	3.9	4.1	4.5
Appreciation	3.9	11.0	25.0	8.9	6.3	6.5
<b>FTSE NAREIT All Eq. REITs</b>	<b>-14.7</b>	<b>-21.0</b>	<b>-5.9</b>	<b>5.3</b>	<b>6.7</b>	<b>8.3</b>
<b>Property Type</b>						
NPI Apartment	3.9	9.0	24.4	11.1	9.1	9.4
NPI Office	0.6	2.1	5.9	4.4	5.3	7.4
NPI Industrial	5.9	18.1	47.7	26.0	21.1	16.9
NPI Retail	1.7	4.0	7.9	0.2	5.3	6.4
NPI Hotel	1.8	3.9	10.4	-6.1	-1.3	3.5
<b>Geographic Sectors</b>						
NPI East	2.4	6.1	15.5	7.6	6.6	7.6
NPI Midwest	1.9	5.1	13.6	5.8	5.3	7.5
NPI South	3.6	10.1	25.0	11.2	9.5	10.3
NPI West	3.9	10.5	25.7	12.6	11.1	11.6

Source: NCREIF as of June 30, 2022

# Returns by property type

**Rent growth, rather than cap rate compression, is expected to drive returns across most core sectors through 2026**



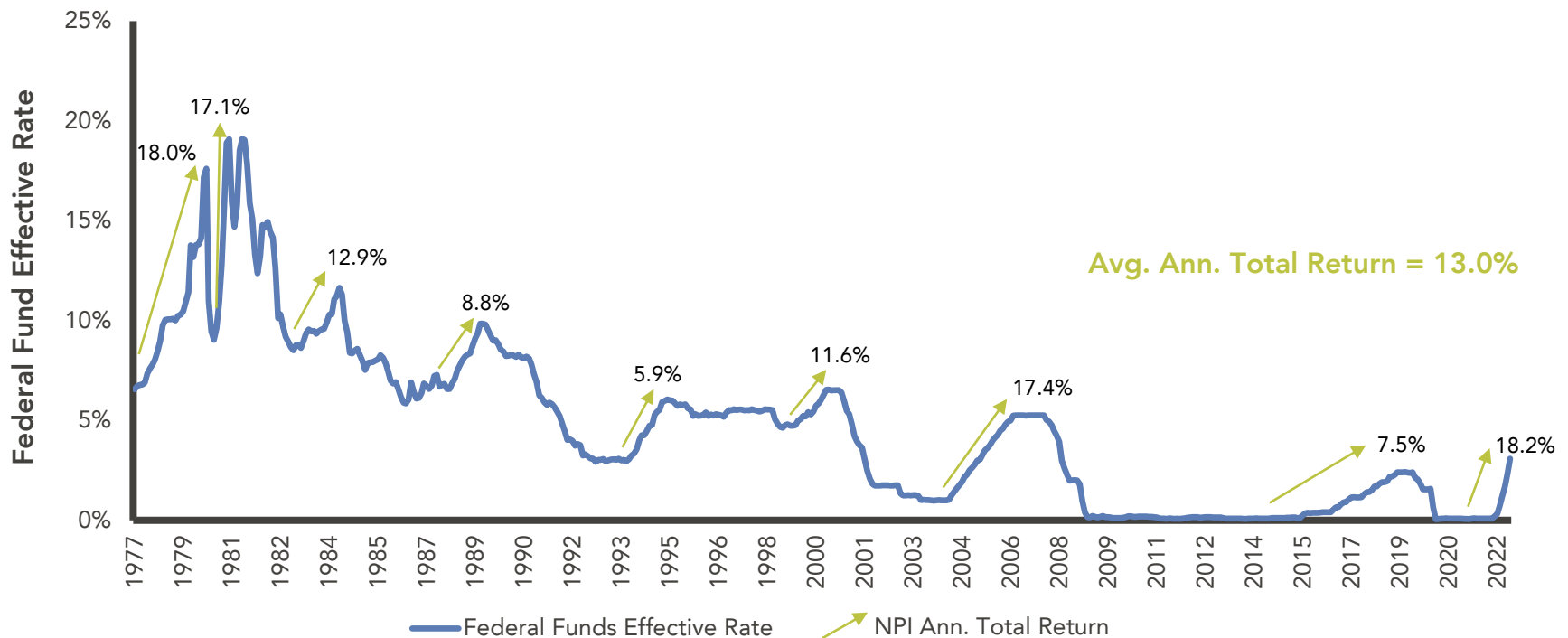
Source: PREA Consensus Survey, AEW as of September 30, 2022



# Performance amid higher interest rates

Historically, core U.S. real estate values have reacted positively in rising rate environments

## ▣ NPI Total Returns During Periods of Fed Rate Hikes



Source: NCREIF, Federal Reserve, Moody's Analytics, Clarion Partners Investment Research as of September 30, 2022

The background features a light gray grid of squares. Overlaid on this grid are several thin, dark gray lines. A prominent diagonal line runs from the top-left towards the bottom-right. Another diagonal line runs from the top-right towards the bottom-left. A horizontal line is positioned above the word 'Infrastructure', and a vertical line is positioned to its right. These lines intersect to form various geometric shapes and patterns across the page.

# Infrastructure

# Infrastructure performance

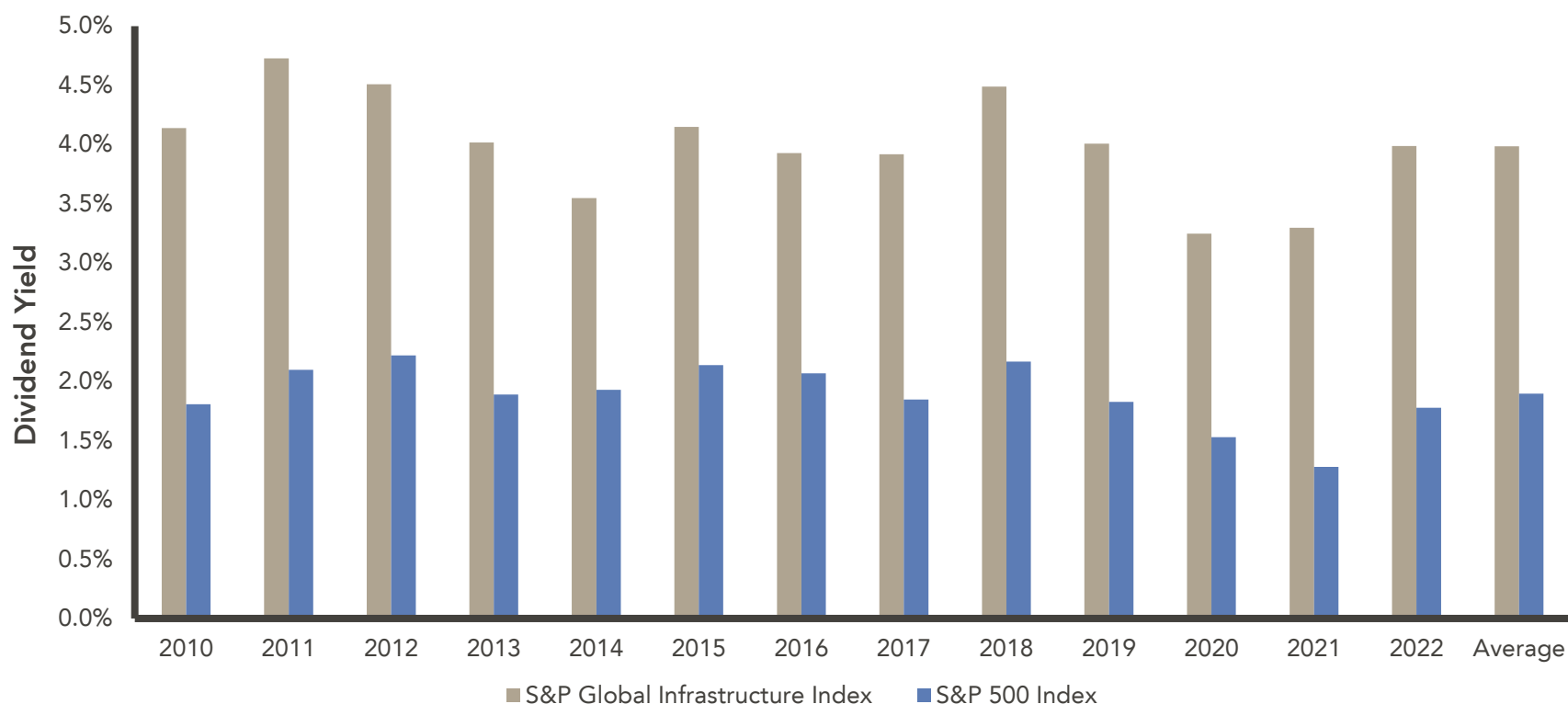
**Impacted by interest rate volatility, infrastructure started to show signs of decline in 1Q 2022 as the EDHEC index fell -4.0%**

	1Q22 (%)	1 Yr (%)	3 Yr (%)	5 Yr (%)	10 Yr (%)
EDHEC infra300 Index (Private)	-4.0	12.0	8.2	8.2	13.9
DJB Global Infrastructure Index	7.5	19.9	12.8	8.9	8.7
Bloomberg Barclays Aggregate	-5.9	-4.2	1.7	2.1	2.2
CPI + 5%	7.7	10.8	8.3	7.8	7.0
S&P 500	-4.6	15.6	18.9	16.0	14.6
DJ Industrial Average	-4.1	7.1	12.6	13.4	12.8

Source: Bloomberg, EDHECinfra as of March 31, 2022

# Infrastructure yield

**Consistent EBITDA growth of underlying infrastructure interests has fostered attractive yields for institutional investors**



Source: Bloomberg, Carlyle, as of September 30, 2022

# Private Equity

# Private equity performance

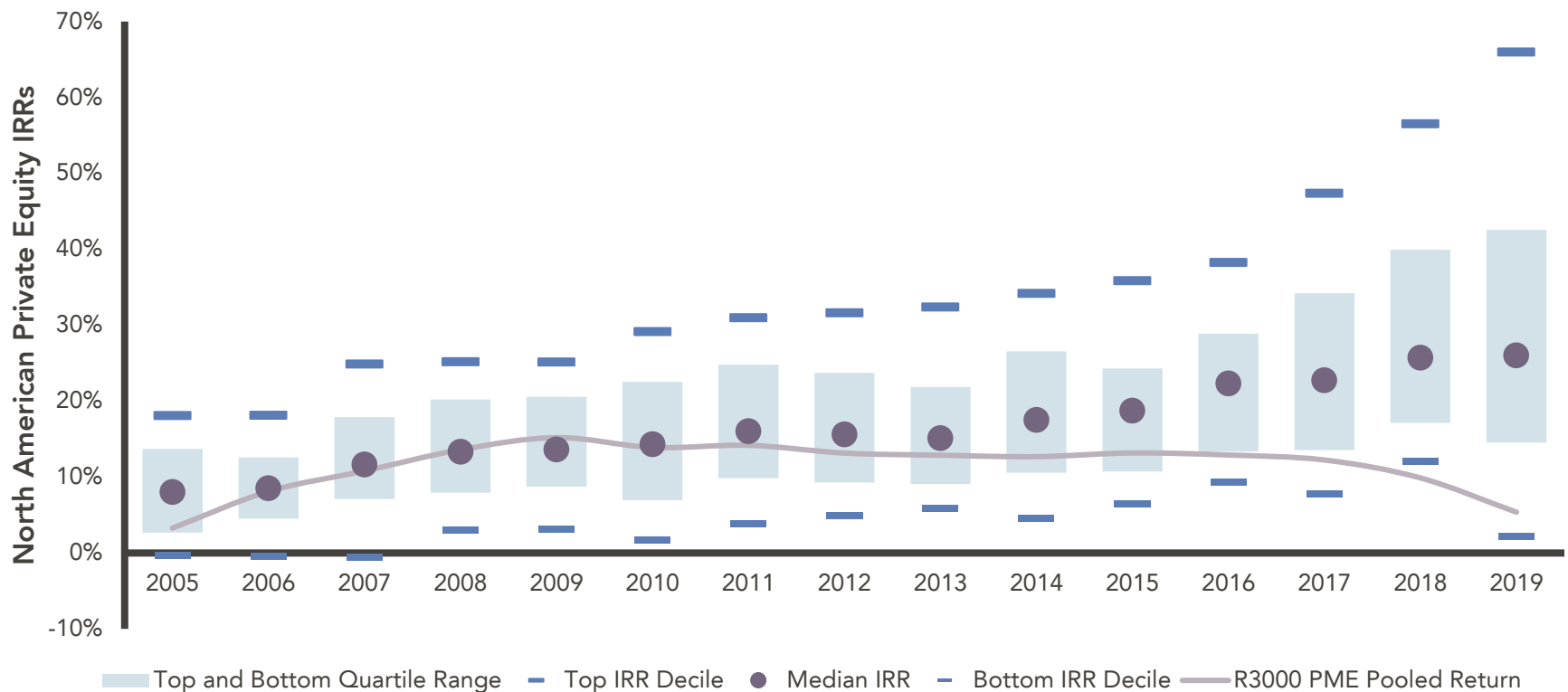
**Though returns turned negative in 2Q 2022, performance across private equity continues to outpace most public market indices**

	2Q22 (%)	1 Yr (%)	3 Yr (%)	5 Yr (%)	10 Yr (%)
Global Private Equity	-4.3	5.4	23.4	20.7	17.0
North America Private Equity	-4.5	8.1	26.2	22.7	18.3
Europe Private Equity	-5.5	2.4	18.8	17.5	14.4
Rest of World Private Equity	-0.8	-4.4	16.3	15.6	14.8
Global VC	-6.5	1.9	30.2	26.5	20.4
North America VC	-9.1	2.7	33.2	27.8	20.2
Europe VC	-7.1	7.2	32.7	29.4	19.1
Rest of World VC	1.0	-5.7	21.5	21.5	20.5
MSCI All Country World Index	-15.7	-15.8	6.2	7.0	8.8
S&P 500	-16.1	-10.6	10.6	11.3	13.0
Russell 3000	-16.7	-13.9	9.8	10.6	12.6
Russell 2000 Growth	-19.3	-33.4	1.4	4.8	9.3

Source: Burgiss, eVestment as of June 30, 2022

# U.S. private equity vintage performance

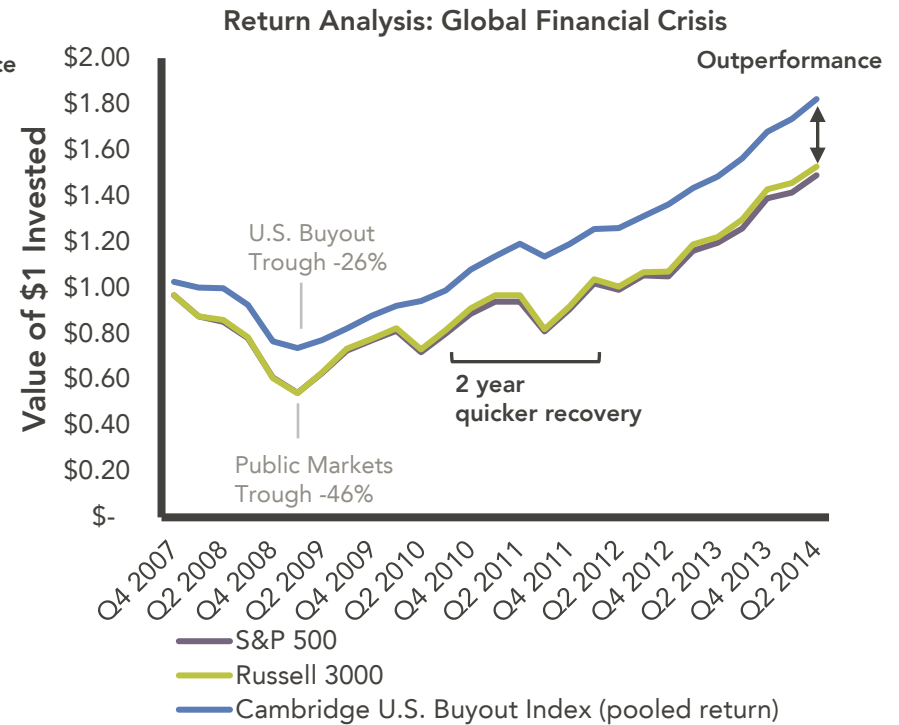
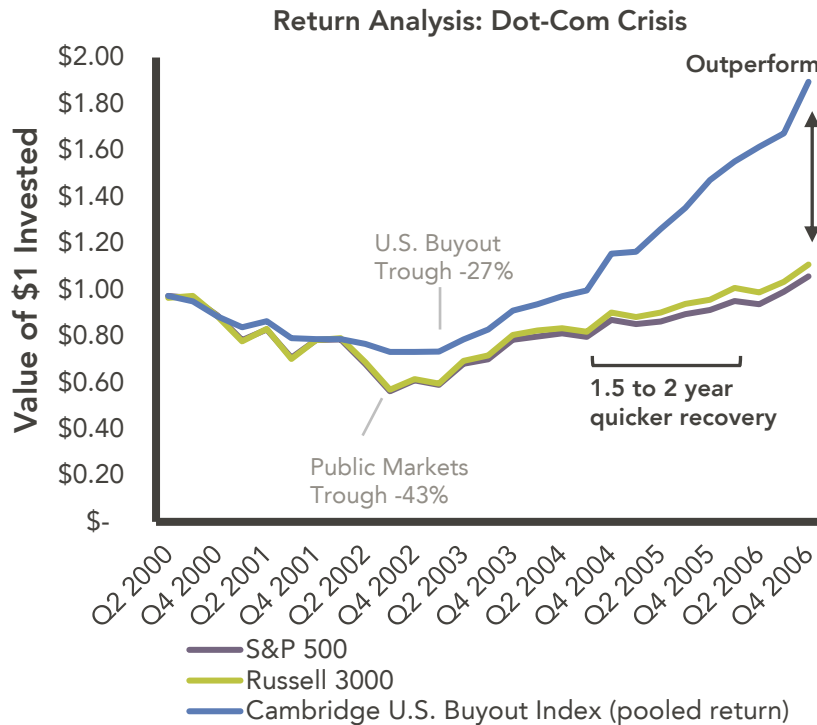
Private equity performance continues to be strong with industry median performance exceeding public market equivalents



Source: Pitchbook as of June 30, 2022; Burgiss North American All Private Equity Public Market Equivalent, Pooled Returns

# Private equity during downturns

Private equity has experienced less significant pullbacks with quicker recoveries compared to public market downturns

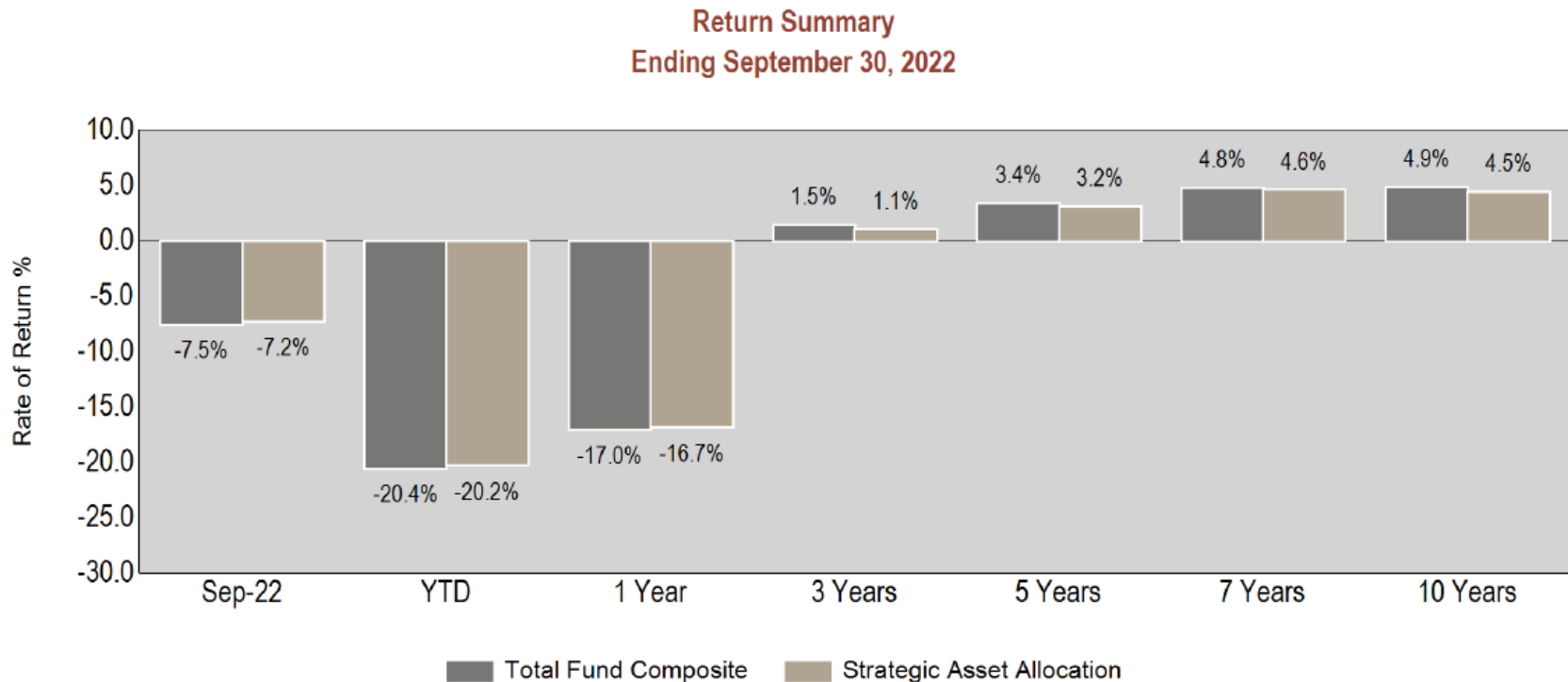


Source: Bloomberg, Cambridge Associates, Neuberger Berman



# Portfolio Review

# Return Summary (September 30, 2022)



- The Fixed Income composite neither added to nor detracted from the Plan.
- The Equity composite detracted from the benchmark.

\* Composite performance is compared against its benchmark on a one-month basis ending September 30, 2022.

# Annualized Performance (Net of Fees)

Ending September 30, 2022

	1 Mo	3 Mo	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs	Inception	Inception Date
<b>Total Fund Composite</b>	-7.5%	-6.2%	-20.4%	-17.0%	1.5%	3.4%	4.8%	4.9%	5.8%	Jul-02
<i>Strategic Asset Allocation</i>	-7.2%	-5.6%	-20.2%	-16.7%	1.1%	3.2%	4.6%	4.5%	5.4%	Jul-02
<b>Fixed Income Composite</b>	-4.3%	-4.2%	-14.6%	-14.5%	-1.9%	--	--	--	0.7%	Jan-18
<i>Fixed Income Balanced Index</i>	-4.3%	-4.8%	-14.6%	-14.6%	-3.1%	--	--	--	-0.1%	Jan-18
<b>Equity Composite</b>	-9.9%	-7.9%	-25.3%	-20.9%	5.0%	7.7%	9.2%	9.8%	7.2%	Jun-06
<i>Equity Balanced Index</i>	-9.8%	-6.9%	-25.0%	-20.3%	5.5%	6.2%	9.2%	10.2%	7.9%	Jun-06
<b>Alternative Asset Composite</b>	0.0%	0.2%	0.2%	-0.3%	5.0%	3.6%	3.2%	3.7%	3.2%	May-07
<i>HFRI Fund of Funds Composite Index</i>	-0.6%	0.7%	-5.9%	-5.5%	4.5%	3.3%	3.3%	3.6%	1.8%	May-07
<b>Real Estate Composite</b>	-12.9%	-11.1%	-29.3%	-18.8%	-1.6%	3.2%	4.9%	6.3%	7.6%	Apr-10
<i>MSCI US REIT</i>	-12.3%	-10.3%	-28.9%	-17.5%	-3.1%	1.7%	3.6%	4.9%	6.3%	Apr-10

# SWBNO Manager Contribution – YTD Performance

Top Performers	Strategy	Absolute Performance	Benchmark Performance
Barrow, Hanley, Mewhinney, & Strauss	Equity	-15.9%	-17.8%
Earnest Partners	Equity	-24.0%	-26.5%

Bottom Performers	Strategy	Absolute Performance	Benchmark Performance
NewSouth Capital	Equity	-27.2%	-24.0%

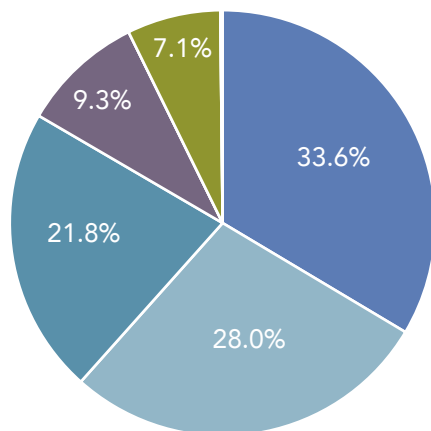
\* Year-to-date performance as of September 30, 2022

# Actions Taken

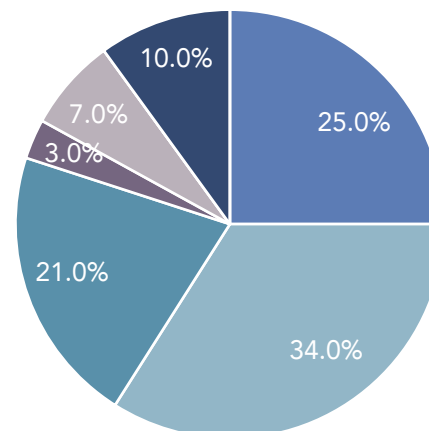
Action	Event	Date	Amount
Education Seminar	Investing 101	October 2021	
Approved	Asset Allocation	November 2021	
Approved	IPS Updated	February 2022	
Terminated	iShares S&P 500 Growth ETF	June 2022	\$19,490,438.73
Hired	BlackRock Russell 1000 Growth	June 2022	\$19,490,438.73
Approved	New Passive Manager Lineup Approved	August 2022	

# Current Asset Allocation vs. Target Allocation

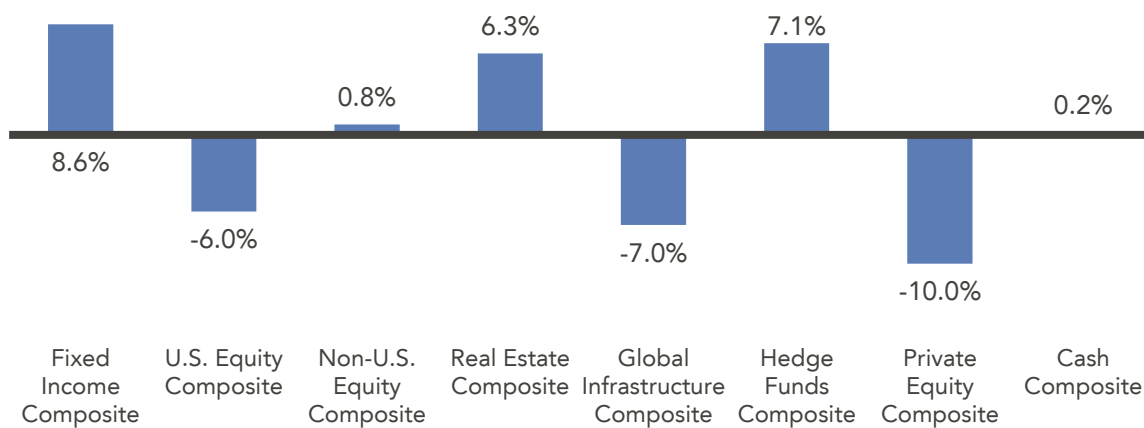
## Current Allocation



## Target Allocation



- Fixed Income Composite
- U.S. Equity Composite
- Non-U.S. Equity Composite
- Real Estate Composite
- Global Infrastructure Composite
- Hedge Funds Composite
- Private Equity Composite
- Cash Composite



\*Data ending September 30, 2022

Composite	Current Allocation	Target Allocation
Fixed Income	\$67,650,834	\$50,388,371
U.S. Equity	\$56,517,691	\$68,528,184
Non-U.S. Equity	\$43,942,307	\$42,326,231
Real Estate	\$18,761,209	\$6,046,604
Global Infrastructure	\$0	\$14,108,744
Hedge Funds	\$14,333,514	\$0
Private Equity	\$0	\$20,155,348
Cash	\$347,926	\$0

Purpose:

**Empower our  
clients to meet their  
investment  
objectives**

**Vision**

Be a trusted partner to our clients  
through effective investment programs

**Mission**

Provide independent and thoughtful  
investment guidance

**Why Marquette?**

- ✓ Our people
- ✓ Independent expertise
- ✓ Focused client service
- ✓ Careful research

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### About Marquette Associates

Marquette was founded in 1986 with the sole objective of providing investment consulting at the highest caliber of service. Our expertise is grounded in our commitment to client service — our team aims to be a trusted partner and as fiduciaries, our clients' interests and objectives are at the center of everything we do. Our approach brings together the real-world experience of our people and our dedication to creativity and critical thinking in order to empower our clients to meet their goals. For more information, please visit [www.MarquetteAssociates.com](http://www.MarquetteAssociates.com).



# Transition Details

## October 2022



# Approved Allocation

Asset Class	Legacy	Approved	
Broad Fixed Income	35.0%	25.0%	
91 Day T-Bills	1.0%	0.0%	
Total Fixed Income	36.0%	25.0%	▼
Broad U.S. Equity (All Cap Core)	27.0%	0.0%	
US Large-Cap Core	0.0%	25.0%	
US Mid-Cap Core	0.0%	4.0%	
US Small-Cap Core	0.0%	5.0%	
Total U.S. Equity	27.0%	34.0%	▲
Broad Non-US Equity	20.0%	0.0%	
Developed Large-Cap	0.0%	15.0%	
Non-US Small-Cap	0.0%	3.0%	
Emerging Market	0.0%	3.0%	
Total Non-U.S. Equity	20.0%	21.0%	▲
Hedge Fund - FOF	8.0%	0.0%	
Total Hedge Funds	8.0%	0.0%	▼
Real Estate - Core	0.0%	3.0%	
Public REITs	9.0%	0.0%	
Total Real Assets	9.0%	3.0%	▼
Global Infrastructure	0.0%	7.0%	
Private Equity - Fund of Funds	0.0%	10.0%	
Total Illiquid Assets	0.0%	17.0%	▲

	Legacy	Approved
Avg. Annualized 10 Yr. Return	5.91%	7.01%
Avg. Annualized 10 Yr. Volatility	9.42%	11.61%

## Fixed Income

- Use fixed income as a source of liquidity opposed to a source of return, given the current market conditions
- Align fixed income exposure with annual cash needs

## Equities

- Global equity mix of 60% U.S. and 40% non-U.S. for better expected risk-adjusted returns
- Increase passive allocation in large cap core and add a U.S. small- and mid-cap allocation
- Establish allocation to non-U.S. small-cap
- Establish allocation to emerging markets

## Hedge Funds

- Eliminate hedge funds due to structural headwinds that have resulted in disappointing annualized returns and high fees

## Real Estate

- Eliminate Public REITs (an equity "proxy" for real estate)
- Add a core open ended private real estate strategy that focuses on yield and a lower correlation to traditional asset classes

## Global Infrastructure

- Consider adding private global infrastructure to improve portfolio diversification and enhance returns to have an additional inflation protection component in the portfolio

## Private Equity

- Consider private equity to high quality small buyout FOFs and lower-middle market direct exposure

Source: Marquette Associates Asset Allocation Study; as of March 31, 2021. Blue highlighting depicts new asset classes.

## Total Fund Composite (Marquette Proposed)

As of 10/5/2022		Placeholder Exposure	Desired Exposure	Partial or Full Redemption		Market Values			
	Asset Class	Current Market Value	Current % of Portfolio	Current Policy	Phase 1	Phase 2	Proposed Market Value	Proposed % of Portfolio	Current Policy
<b>Total Fund Composite</b>		<b>\$205,653,097</b>	<b>100.0%</b>	<b>100.0%</b>	<b>\$0</b>	<b>\$0</b>	<b>\$205,653,097</b>	<b>100.0%</b>	<b>100.0%</b>
<b>Fixed Income Composite</b>		<b>\$67,650,834</b>	<b>32.9%</b>	<b>25.0%</b>	<b>-\$10,000,000</b>	<b>-\$8,000,000</b>	<b>\$49,650,834</b>	<b>24.1%</b>	<b>25.0%</b>
1 Fidelity (Pyramis Global Advisors)	Core Plus Fixed Income	\$67,650,834	32.9%		-\$10,000,000	-\$8,000,000	\$49,650,834	24.1%	0.0%
Core Fixed Income Search	Core Fixed Income	\$0	0.0%				\$0	0.0%	25.0%
<b>U.S. Equity Composite</b>		<b>\$60,358,063</b>	<b>29.3%</b>	<b>34.0%</b>	<b>\$0</b>	<b>\$7,641,937</b>	<b>\$68,000,000</b>	<b>33.1%</b>	<b>34.0%</b>
Barrow, Hanley, Mewhinney, & Strauss	Large-Cap Value	\$13,993,337	6.8%			-\$13,993,337	\$0	0.0%	0.0%
BlackRock Russell 1000 Growth	Large-Cap Growth	\$18,439,689	9.0%			-\$18,439,689	\$0	0.0%	0.0%
BNYM AFL-CIO Large Cap Index	Large-Cap Core	\$0	0.0%			\$50,000,000	\$50,000,000	24.3%	25.0%
NewSouth Capital	Smid-Cap Value	\$27,925,037	13.6%			-\$27,925,037	\$0	0.0%	0.0%
BNYM AFL-CIO Mid Cap Index	Mid Cap Core	\$0	0.0%			\$8,000,000	\$8,000,000	3.9%	0.0%
Mid Cap Core Search	Mid Cap Core	\$0	0.0%				\$0	0.0%	4.0%
BNYM AFL-CIO Small Cap Index	Small Cap Core	\$0	0.0%			\$10,000,000	\$10,000,000	4.9%	0.0%
Small Cap Core Search	Small Cap Core	\$0	0.0%				\$0	0.0%	5.0%
<b>Non-U.S. Equity Composite</b>		<b>\$43,942,307</b>	<b>21.4%</b>	<b>21.0%</b>	<b>\$0</b>	<b>\$0</b>	<b>\$43,942,307</b>	<b>21.4%</b>	<b>21.0%</b>
1 Earnest Partners	Non-U.S. Large-Cap Core	\$43,942,307	21.4%	15.0%			\$43,942,307	21.4%	15.0%
Non-U.S. Small-Cap Core Search	Non-U.S. Small-Cap Core	\$0	0.0%	3.0%			\$0	0.0%	3.0%
Emerging Market Equity Search	Emerging Market Equity	\$0	0.0%	3.0%			\$0	0.0%	3.0%
<b>Alternative Asset Composite</b>		<b>\$18,761,209</b>	<b>9.1%</b>	<b>0.0%</b>	<b>\$0</b>	<b>\$0</b>	<b>\$18,761,209</b>	<b>9.1%</b>	<b>0.0%</b>
2 Prisma Capital Partners LP	Multi-Strat. Hedge FoF	\$18,761,209	9.1%	0.0%			\$18,761,209	9.1%	0.0%
<b>Real Assets Composite</b>		<b>\$14,756,789</b>	<b>7.2%</b>	<b>10%</b>	<b>\$7,243,211</b>	<b>\$0</b>	<b>\$22,000,000</b>	<b>10.7%</b>	<b>10.0%</b>
<b>Infrastructure Composite</b>		<b>\$0</b>	<b>0.0%</b>	<b>7.0%</b>	<b>\$15,000,000</b>	<b>\$0</b>	<b>\$15,000,000</b>	<b>7.3%</b>	<b>7.0%</b>
Cohen & Steers	Global Listed Infrastructure	\$0	0.0%	0.0%	\$15,000,000		\$15,000,000	7.3%	0.0%
Global Infrastructure Search	Global Infrastructure	\$0	0.0%	7.0%	\$0		\$0	0.0%	7.0%
<b>Real Estate Composite</b>		<b>\$14,756,789</b>	<b>7.2%</b>	<b>3.0%</b>	<b>-\$7,756,789</b>	<b>\$0</b>	<b>\$7,000,000</b>	<b>3.4%</b>	<b>3.0%</b>
Vanguard Real Estate ETF	U.S. REIT	\$14,756,789	7.2%	0.0%	-\$14,756,789		\$0	0.0%	0.0%
Fidelity Real Estate Index	U.S. REIT	\$0	0.0%	0.0%	\$7,000,000		\$7,000,000	3.4%	0.0%
Core Real Estate Search	Core Real Estate	\$0	0.0%	3.0%			\$0	0.0%	3.0%
<b>Private Equity Composite</b>		<b>\$0</b>	<b>0.0%</b>	<b>10.0%</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>0.0%</b>	<b>10.0%</b>
Private Equity Passive	Private Equity	\$0	0.0%				\$0	0.0%	0.0%
Private Equity Search	Private Equity	\$0	0.0%				\$0	0.0%	10.0%
<b>Cash Equivalents</b>		<b>\$183,894</b>	<b>0.1%</b>	<b>0.0%</b>	<b>\$2,756,789</b>	<b>\$358,063</b>	<b>\$3,298,746</b>	<b>1.6%</b>	<b>0.0%</b>
Cash	Cash & Equivalents	\$183,894	0.1%	0.0%	\$2,756,789	\$358,063	\$3,298,746	1.6%	0.0%

1 As of September 30, 2022

2 As of July 31, 2022

# Phase 1: Global Infrastructure and Real Estate

Global Infrastructure	Action	Amount	Trade Date	Settlement Date
Fidelity Core Plus Fixed Income	Separate Account Cash Raise	-\$10 million		
Vanguard Real Estate Index	ETF Sale	-\$5 million		
Cohen & Steers Global Listed Infrastructure	Mutual Fund Purchase	+\$15 million		

Real Estate	Action	Amount	Trade Date	Settlement Date
Vanguard Real Estate Index	ETF Sale	-\$9.8 million		
Fidelity Real Estate Index	Mutual Fund Purchase	+\$7 million		
Cash	For Benefit Payments	+\$2.8 million		

Fidelity needs 5 days business notice and cash settles T+1

## Phase 2: U.S. Equites

U.S. Large Cap	Action	Amount	Trade Date	Settlement Date
Barrow, Hanley, Mewhinney & Strauss	Mutual Fund (Full Liquidation)	-\$14 million		
BlackRock Russell 1000 Growth	Commingled Fund Sale	-\$18 million		
New South Capital Smid-Cap Value	Separate Account (Full Liquidation)	-\$8 million		
Fidelity Core Plus Fixed Income	Separate Account Cash Raise	-\$8 million		
BNYM AFL-CIO Large Cap Index	Commingled Fund Purchase	+\$50 million		

U.S. Mid and Small Cap	Action	Amount	Trade Date	Settlement Date
New South Capital Smid-Cap Value	Separate Account (Full Liquidation)	-\$20 million		
BNYM AFL-CIO Mid Cap Index	Commingled Fund Purchase	+\$8 million		
BNYM AFL-CIO Small Cap Index	Commingled Fund Purchase	+\$10 million		

# Future Rebalancing

	Action	Amount	Trade Date	Settlement Date
PRISMA Capital Partners	Hedge Fund (Full Liquidation)	-\$18.7 million	9/30/2022	Mid-November
Partners Group II	Private Equity Purchase	+\$10.0 million	12/1/2022	Mid-December
BNYM AFL-CIO Large Cap Index	Commingled Fund Purchase	+\$6.4 million	Early-November	Mid-November
BNYM AFL-CIO Mid Cap Index	Commingled Fund Purchase	+\$1.0 million	Early-November	Mid-November
BNYM AFL-CIO Small Cap Index	Commingled Fund Purchase	+\$1.3 million	Early-November	Mid-November

- Fully liquidate the legacy PRISMA allocation as Hedge Funds have been eliminated from the approved asset allocation
- The Private Equity target allocation is 10% (approximately \$20 million), but an immediate rebalance to the 10% target allocation is not possible due to the lagged or “lumpy” nature of the asset class
- Use the PRISMA proceeds to gain immediate exposure to Private Equity placeholders
  - Partners Group II is a Private Equity fund with quarterly liquidity after a 1 year lock up
  - U.S. Public Equities are a liquid placeholder for Private Equity assets

# Future Active Searches

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Asset Class	Amount
Core Fixed Income	TBC
U.S. Mid Cap	TBC
U.S. Small Cap	TBC
Non-US Small-Cap	TBC
Emerging Markets	TBC
Global Infrastructure	TBC
Private Real Estate	TBC
Private Equity	TBC

Purpose:

**Empower our  
clients to meet their  
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**Vision**

Be a trusted partner to our clients  
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**Mission**

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**Why Marquette?**

- ✓ Our people
- ✓ Independent expertise
- ✓ Focused client service
- ✓ Careful research



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**AUTHORIZATION FOR MARQUETTE ASSOCIATES, INC. TO REALLOCATE  
REAL ESTATE AND FIXED INCOME FUNDS FROM VANGUARD REAL ESTATE  
INDEX ETF AND FIDELITY CORE PLUS FIXED INCOME TO FIDELITY REAL  
ESTATE INDEX FUND AND COHEN & STEERS GLOBAL LISTED  
INFRASTRUCTURE FUNDS**

**WHEREAS**, the Pension Committee of the Sewerage and Water Board of New Orleans (“Board”), is entrusted with the fiduciary responsibility to properly oversee the investment and management of the pension fund of the Employees’ Retirement System of the Sewerage and Water Board of New Orleans (“Board Pension Plan”); and

**WHEREAS**, Marquette Associates, Inc. performed an assessment of the Board Pension Plan investments as part of a larger review of the plan’s asset and manager allocations at the request of and on behalf of the Board; and

**WHEREAS**, on November 17, 2021, the Board authorized Marquette Associates, Inc. to amend the Investment Policy Statement to reflect the rebalanced asset allocation targets as part of the review of the plan’s asset and manager allocations; and

**WHEREAS**, on February 16, 2022, the Investment Policy Statement was amended to reflect the rebalanced asset allocation targets developed from Marquette Associates, Inc. review of the plan’s asset and manager allocations; and

**WHEREAS**, on October 18, 2022, Marquette Associates, Inc.’s recommendation that approximately \$7.0 million (or 3.5%) of the U.S. REIT assets being held in the Vanguard Real Estate ETF fund be reallocated to the Fidelity Real Estate Index Fund, was presented to the Pension Committee; and

**WHEREAS**, on October 18, 2022, Marquette Associates, Inc.’s recommendation that approximately \$5.0 million (or 2.5%) of the U.S. REIT assets being held in the Vanguard Real Estate ETF fund be reallocated to the Cohen & Steers Global Listed Infrastructure Fund, was presented to the Pension Committee; and

**WHEREAS**, on October 18, 2022, Marquette Associates, Inc.’s recommendation that the approximately remaining \$2.8 million of the U.S. REIT assets being held in the Vanguard Real Estate ETF fund be liquidated and held as cash to meet upcoming benefit payments and expenses, was presented to the Pension Committee; and

**WHEREAS**, on October 18, 2022, Marquette Associates, Inc.’s recommendation that approximately \$10.0 million (or 5%) of the U.S. Fixed Income assets being held in the Fidelity Core Plus Fixed Income fund be reallocated to the Cohen & Steers Global Listed Infrastructure Fund, was presented to the Pension Committee; and

**WHEREAS**, the Board relies upon the financial investment consulting services of Marquette Associates, Inc. and has confidence in its professional expertise.

**NOW THEREFORE, BE IT RESOLVED**, the Board authorizes Marquette Associates, Inc. to liquidate the Vanguard Real Estate ETF fund portfolio holdings of approximately \$16.1 million (as of 10/5/2022) and redeem approximately \$10 million (or 5%) from the Fidelity Core Plus Fixed Income fund portfolio.

**NOW THEREFORE, BE IT FURTHER RESOLVED**, the Board authorizes Marquette Associates, Inc. to invest approximately \$7 million (or 3.5%) of the proceeds to the Fidelity Real Estate Index Fund and approximately \$15 million (or 7.0%) in proceeds to the Cohen & Steers Global Listed Infrastructure Fund, with approximately \$2.8 million remaining in cash, as soon as feasible.

I, GHASSAN KORBAN, Executive Director,  
Sewerage and Water Board of New Orleans, do hereby  
certify that the above and foregoing is a true and  
correct copy of a Resolution adopted at the  
Meeting of said Board of Trustees, duly called and held,  
according to law, on October 26, 2022.

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**GHASSAN KORBAN, EXECUTIVE DIRECTOR  
SEWERAGE AND WATER BOARD OF NEW ORLEANS**

**AUTHORIZATION FOR MARQUETTE ASSOCIATES, INC. TO REALLOCATE U.S. EQUITY AND FIXED INCOME FUNDS FROM BARROW, HANLEY, MEWHINNEY & STRAUSS, BLACKROCK, NEW SOUTH CAPITAL, AND FIDELITY CORE PLUS FIXED INCOME TO BNYM AFL-CIO LARGE CAP INDEX, BNYM AFL-CIO MID CAP INDEX, AND BNYM AFL-CIO SMALL CAP INDEX FUNDS**

**WHEREAS**, the Pension Committee of the Sewerage and Water Board of New Orleans (“Board”), is entrusted with the fiduciary responsibility to properly oversee the investment and management of the pension fund of the Employees’ Retirement System of the Sewerage and Water Board of New Orleans (“Board Pension Plan”); and

**WHEREAS**, Marquette Associates, Inc. performed an assessment of the Board Pension Plan investments as part of a larger review of the plan’s asset and manager allocations at the request of and on behalf of the Board; and

**WHEREAS**, on November 17, 2021, the Board authorized Marquette Associates, Inc. to amend the Investment Policy Statement to reflect the rebalanced asset allocation targets as part of the review of the plan’s asset and manager allocations; and

**WHEREAS**, on February 16, 2022, the Investment Policy Statement was amended to reflect the rebalanced asset allocation targets developed from Marquette Associates, Inc. review of the plan’s asset and manager allocations; and

**WHEREAS**, on October 18, 2022, Marquette Associates, Inc.’s recommendation that the approximately \$14.0 million in U.S. Equity Large Cap Value assets being held by Barrow, Hanley, Mewhinney & Strauss be fully liquidated and reallocated to the BNYM AFL-CIO Large Cap Index Fund, was presented to the Pension Committee; and

**WHEREAS**, on October 18, 2022, Marquette Associates, Inc.’s recommendation that the approximately \$18.4 million in U.S. Equity Large Cap Growth assets being held by BlackRock be fully liquidated and reallocated to the BNYM AFL-CIO Large Cap Index Fund, was presented to the Pension Committee; and

**WHEREAS**, on October 18, 2022, Marquette Associates, Inc.’s recommendation that approximately \$8.0 million (or 4%) in U.S. Equity Smid Cap Value assets being held by New South Capital be liquidated and reallocated to the BNYM AFL-CIO Large Cap Index Fund, was presented to the Pension Committee; and

**WHEREAS**, on October 18, 2022, Marquette Associates, Inc.’s recommendation that approximately \$8.0 million (or 4%) of the U.S. Fixed Income assets being held by Fidelity Core Plus Fixed Income be liquidated and reallocated to the BNYM AFL-CIO Large Cap Index Fund, was presented to the Pension Committee; and

**WHEREAS**, on October 18, 2022, Marquette Associates, Inc.’s recommendation that approximately \$8.0 million (or 4%) in U.S. Equity Smid Cap Value assets being held by New

South Capital be liquidated and reallocated to the BNYM AFL-CIO Mid Cap Index Fund, was presented to the Pension Committee; and

**WHEREAS**, on October 18, 2022, Marquette Associates, Inc.'s recommendation that approximately \$10.0 million (or 5%) in U.S. Equity Smid Cap Value assets being held by New South Capital be liquidated and reallocated to the BNYM AFL-CIO Small Cap Index Fund, was presented to the Pension Committee; and

**WHEREAS**, the Board relies upon the financial investment consulting services of Marquette Associates, Inc. and has confidence in its professional expertise.

**NOW THEREFORE, BE IT RESOLVED**, the Board authorizes Marquette Associates, Inc. to liquidate the Barrow, Hanley, Mewhinney & Strauss fund portfolio holdings of approximately \$14.0 million (as of 10/5/2022), liquidate the BlackRock Russell 1000 Growth fund portfolio holdings of approximately \$18.4 million (as of 10/5/2022), liquidate the New South Capital Smid-Cap Value fund portfolio holdings of approximately \$28.0 million (as of 10/5/2022), and redeem approximately \$8.0 million (or 4%) from the Fidelity Core Plus Fixed Income fund portfolio.

**NOW THEREFORE, BE IT FURTHER RESOLVED**, the Board authorizes Marquette Associates, Inc. to invest approximately \$50.0 million (or 25%) of the proceeds to the BNYM AFL-CIO Large Cap Index Fund, and apply approximately \$8.0 million (or 4%) in proceeds to the BNYM AFL-CIO Mid Cap Index Fund, and apply approximately \$10.0 million (or 5%) in proceeds to the BNYM AFL-CIO Small Cap Index Fund, as soon as feasible.

I, GHASSAN KORBAN, Executive Director,  
Sewerage and Water Board of New Orleans, do hereby  
certify that the above and foregoing is a true and  
correct copy of a Resolution adopted at the  
Meeting of said Board of Trustees, duly called and held,  
according to law, on October 26, 2022.

---

**GHASSAN KORBAN, EXECUTIVE DIRECTOR**  
**SEWERAGE AND WATER BOARD OF NEW ORLEANS**



(Preliminary, Subject to Change)



**Employees' Retirement System**

The Sewerage & Water Board of New Orleans

Employees' Retirement System

Monthly Performance Report

**September 30, 2022**

## Total Fund Composite

## Manager Status

Market Value: \$201.6 Million and 100.0% of Fund

Investment Manager	Asset Class	Status	Reason
Fidelity (Pyramis Global Advisors)	Core Plus Fixed Income	In Compliance	---
Barrow, Hanley, Mewhinney, & Strauss	Large-Cap Value	In Compliance	---
BlackRock Russell 1000 Growth	Large-Cap Growth	In Compliance	---
NewSouth Capital	Smid-Cap Value	In Compliance	---
Earnest Partners	Non-U.S. Large-Cap Core	In Compliance	---
Prisma Capital Partners LP	Multi-Strat. Hedge FoF	Termination	No longer in Approved Asset Allocation
Vanguard Real Estate ETF	U.S. REIT	In Compliance	---

### Investment Manager Evaluation Terminology

The following terminology has been developed by Marquette Associates to facilitate efficient communication among the Investment Manager, Investment Consultant, and the Plan Sponsor. Each term signifies a particular status with the Fund and any conditions that may require improvement. In each case, communication is made only after consultation with the Trustees and/or the Investment Committee of the Plan.

**In Compliance** – The investment manager states it is acting in accordance with the Investment Policy Guidelines.

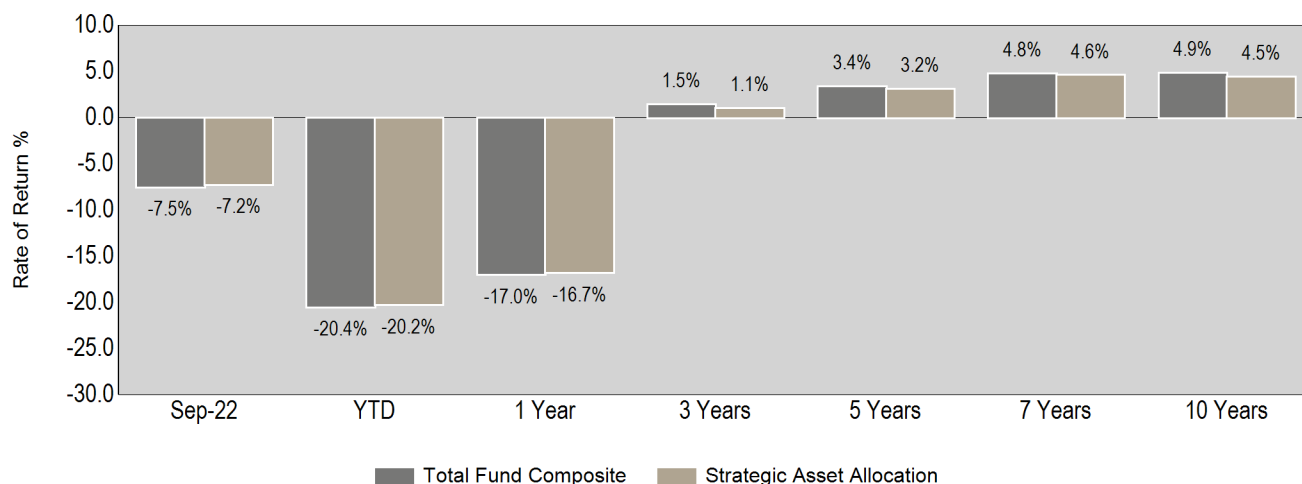
**Alert** – The investment manager is notified of a problem in performance (usually related to a benchmark or volatility measure), a change in investment characteristics, an alteration in management style or key investment professionals, and/or any other irregularities.

**On Notice** – The investment manager is notified of continued concern with one or more Alert issues. Failure to improve upon stated issues within a specific time frame justifies termination.

**Termination** – The Trustees have decided to terminate the investment manager. The investment manager is notified and transition plans are in place.

## Total Fund Composite

### Return Summary Ending September 30, 2022



### Return Summary - 1 Year

	Total Return
Total Fund Composite	-17.0%
Fixed Income Composite	-14.5%
Equity Composite	-20.9%
Alternative Asset Composite	-0.3%
Real Estate Composite	-18.8%

### Asset Allocation vs. Target

	Current	Current	Policy	Difference	%
Fixed Income	\$67,650,834	33.6%	25.0%	\$67,650,834	33.6%
U.S. Equity	\$56,517,691	28.0%	34.0%	\$56,517,691	28.0%
Non-U.S. Equity	\$43,942,307	21.8%	21.0%	\$43,942,307	21.8%
Hedge Funds	\$18,761,209	9.3%	0.0%	\$18,761,209	9.3%
Real Assets	\$14,333,514	7.1%	10.0%	\$14,333,514	7.1%
Private Equity	--	--	10.0%	\$0	0.0%
Other	\$347,926	0.2%	0.0%	\$347,926	0.2%
<b>Total</b>	<b>\$201,553,482</b>	<b>100.0%</b>	<b>100.0%</b>		

### Summary of Cash Flows

	Last Month	Last Three Months	Year-To-Date	One Year
Beginning Market Value	\$217,750,020	\$218,142,573	\$263,358,963	\$255,519,007
Net Cash Flow	\$0	-\$3,384,641	-\$9,709,697	-\$13,233,345
Net Investment Change	-\$16,196,538	-\$13,204,450	-\$52,095,785	-\$40,732,180
Ending Market Value	\$201,553,482	\$201,553,482	\$201,553,482	\$201,553,482



## Total Fund Composite

Market Value: \$201.6 Million and 100.0% of Fund

**Ending September 30, 2022**

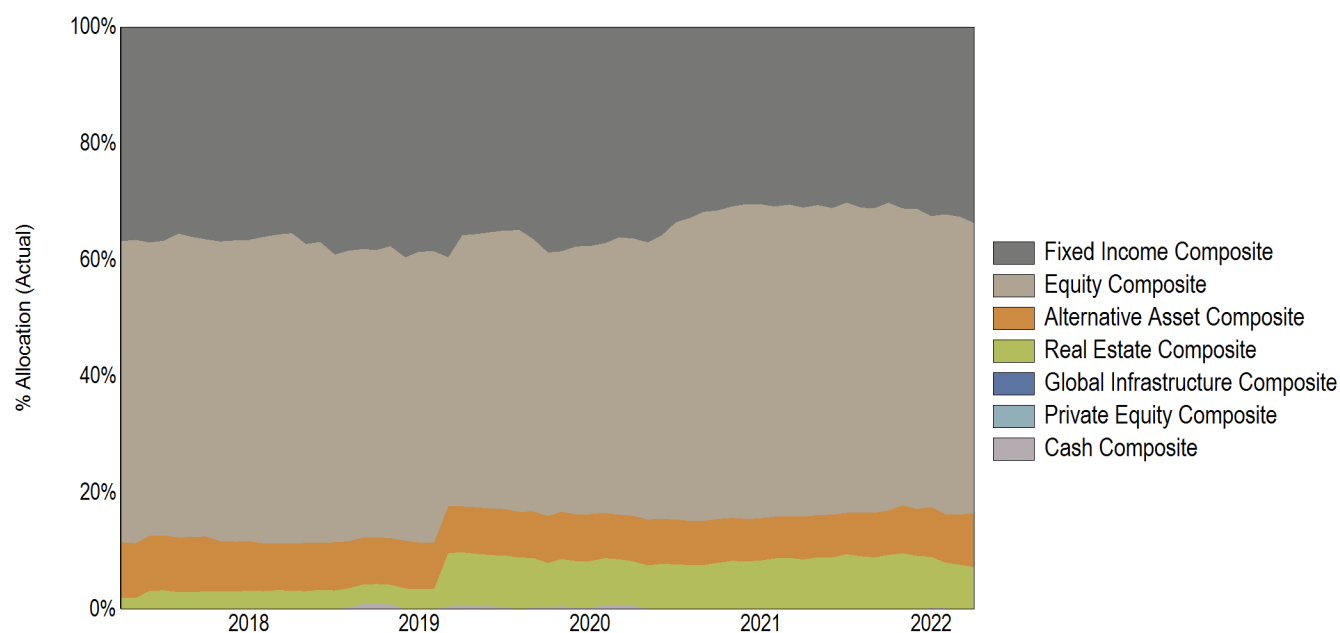
	Asset Class	Market Value (\$)	3 Mo Net Cash Flows (\$)	% of Portfolio	Policy %	Policy Difference (\$)
<b>Total Fund Composite</b>		<b>201,553,482</b>	<b>-3,384,641</b>	<b>100.0</b>	<b>100.0</b>	<b>0</b>
<b>Fixed Income Composite</b>		<b>67,650,834</b>	<b>0</b>	<b>33.6</b>	<b>25.0</b>	<b>17,262,464</b>
Fidelity (Pyramis Global Advisors)	Core Plus Fixed Income	67,650,834	0	33.6		
<b>Equity Composite</b>		<b>100,459,999</b>	<b>0</b>	<b>49.8</b>	<b>55.0</b>	<b>-10,394,416</b>
Barrow, Hanley, Mewhinney, & Strauss	Large-Cap Value	13,118,754	0	6.5		
BlackRock Russell 1000 Growth	Large-Cap Growth	17,464,697	0	8.7		
NewSouth Capital	Smid-Cap Value	25,934,240	0	12.9		
Earnest Partners	Non-U.S. Large-Cap Core	43,942,307	0	21.8		
<b>Alternative Asset Composite</b>		<b>18,761,209</b>	<b>-25,088</b>	<b>9.3</b>	<b>0.0</b>	<b>18,761,209</b>
Prisma Capital Partners LP	Multi-Strat. Hedge FoF	18,761,209	-15,601	9.3		
<b>Real Estate Composite</b>		<b>14,333,514</b>	<b>-3,189,424</b>	<b>7.1</b>	<b>3.0</b>	<b>8,286,910</b>
Vanguard Real Estate ETF	U.S. REIT	14,333,514	-3,189,424	7.1		
<b>Global Infrastructure Composite</b>		<b>--</b>	<b>--</b>	<b>--</b>	<b>7.0</b>	<b>-14,108,744</b>
<b>Private Equity Composite</b>		<b>--</b>	<b>--</b>	<b>--</b>	<b>10.0</b>	<b>-20,155,348</b>
<b>Cash Composite</b>		<b>347,926</b>	<b>-170,129</b>	<b>0.2</b>	<b>0.0</b>	<b>347,926</b>
Cash	Cash & Equivalents	347,926	-170,129	0.2		

## Total Fund Composite

## Asset Allocation

Market Value: \$201.6 Million and 100.0% of Fund

### Historic Asset Allocation

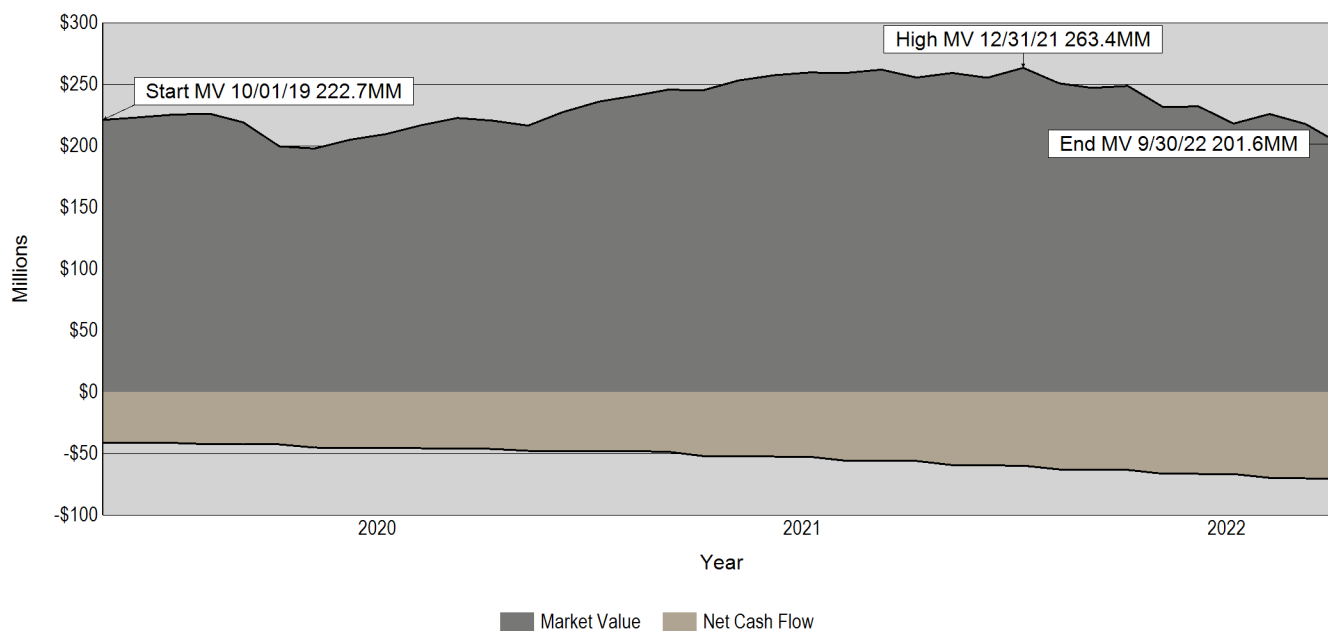


	Current	Policy	Difference	%
Fixed Income	\$67,650,834	\$50,388,370	\$17,262,464	8.6%
U.S. Equity	\$56,517,691	\$68,528,184	-\$12,010,493	-6.0%
Non-U.S. Equity	\$43,942,307	\$42,326,231	\$1,616,076	0.8%
Hedge Funds	\$18,761,209	\$0	\$18,761,209	9.3%
Real Assets	\$14,333,514	\$20,155,348	-\$5,821,834	-2.9%
Private Equity	--	\$20,155,348	-\$20,155,348	-10.0%
Other	\$347,926	\$0	\$347,926	0.2%
<b>Total</b>	<b>\$201,553,482</b>	<b>\$201,553,482</b>		

## Total Fund Composite

## Market Value History

Market Value: \$201.6 Million and 100.0% of Fund



## Summary of Cash Flows

	Last Month	Last Three Months	Year-To-Date	One Year
Beginning Market Value	\$217,750,020	\$218,142,573	\$263,358,963	\$255,519,007
Net Cash Flow	\$0	-\$3,384,641	-\$9,709,697	-\$13,233,345
Net Investment Change	-\$16,196,538	-\$13,204,450	-\$52,095,785	-\$40,732,180
Ending Market Value	\$201,553,482	\$201,553,482	\$201,553,482	\$201,553,482

## Total Fund Composite

## Annualized Performance (Gross of Fees)

Market Value: \$201.6 Million and 100.0% of Fund

Ending September 30, 2022

	1 Mo	3 Mo	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs	Inception	Inception Date
<b>Total Fund Composite</b>	<b>-7.4%</b>	<b>-6.1%</b>	<b>-20.2%</b>	<b>-16.6%</b>	<b>1.9%</b>	<b>3.8%</b>	<b>5.1%</b>	<b>5.1%</b>	<b>5.9%</b>	<b>Jul-02</b>
<i>Strategic Asset Allocation</i>	-7.2%	-5.6%	-20.2%	-16.7%	1.1%	3.2%	4.6%	4.5%	5.4%	Jul-02
<b>Fixed Income Composite</b>	<b>-4.3%</b>	<b>-4.2%</b>	<b>-14.4%</b>	<b>-14.3%</b>	<b>-1.7%</b>	--	--	--	<b>0.9%</b>	<b>Jan-18</b>
<i>Fixed Income Balanced Index</i>	-4.3%	-4.8%	-14.6%	-14.6%	-3.1%	--	--	--	-0.1%	Jan-18
<b>Equity Composite</b>	<b>-9.8%</b>	<b>-7.7%</b>	<b>-24.9%</b>	<b>-20.4%</b>	<b>5.4%</b>	<b>7.3%</b>	<b>8.9%</b>	<b>9.6%</b>	<b>7.1%</b>	<b>Jun-06</b>
<i>Equity Balanced Index</i>	-9.8%	-6.9%	-25.0%	-20.3%	5.5%	6.2%	9.2%	10.2%	7.9%	Jun-06
<b>Alternative Asset Composite</b>	<b>0.0%</b>	<b>0.3%</b>	<b>0.8%</b>	<b>0.5%</b>	<b>5.5%</b>	<b>3.9%</b>	<b>3.4%</b>	<b>3.9%</b>	<b>3.3%</b>	<b>May-07</b>
<i>HFRI Fund of Funds Composite Index</i>	-0.6%	0.7%	-5.9%	-5.5%	4.5%	3.3%	3.3%	3.6%	1.8%	May-07
<b>Real Estate Composite</b>	<b>-12.9%</b>	<b>-11.1%</b>	<b>-29.3%</b>	<b>-18.8%</b>	<b>-1.6%</b>	<b>3.2%</b>	<b>5.0%</b>	<b>6.3%</b>	<b>7.7%</b>	<b>Apr-10</b>
<i>MSCI US REIT</i>	-12.3%	-10.3%	-28.9%	-17.5%	-3.1%	1.7%	3.6%	4.9%	6.3%	Apr-10

Please note: Returns through inception for the alternative asset composite were calculated and verified using information from the investment manager rather than the Plan's custodian.

## Total Fund Composite

## Calendar Performance (Gross of Fees)

Market Value: \$201.6 Million and 100.0% of Fund

	Calendar Year										
	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011
<b>Total Fund Composite</b>	<b>14.6%</b>	<b>10.9%</b>	<b>19.1%</b>	<b>-3.3%</b>	<b>11.6%</b>	<b>6.4%</b>	<b>-1.7%</b>	<b>5.6%</b>	<b>11.0%</b>	<b>11.7%</b>	<b>3.5%</b>
<i>Strategic Asset Allocation</i>	11.6%	11.0%	18.9%	-3.8%	12.8%	6.4%	-2.8%	4.2%	11.5%	10.5%	2.2%
<b>Fixed Income Composite</b>	<b>0.3%</b>	<b>9.7%</b>	<b>10.2%</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>
<i>Fixed Income Balanced Index</i>	-1.5%	7.6%	9.3%	-0.3%	--	--	--	--	--	--	--
<b>Equity Composite</b>	<b>21.5%</b>	<b>21.1%</b>	<b>29.2%</b>	<b>-5.6%</b>	<b>19.0%</b>	<b>11.0%</b>	<b>-0.3%</b>	<b>9.0%</b>	<b>23.8%</b>	<b>16.9%</b>	<b>0.0%</b>
<i>Equity Balanced Index</i>	19.7%	20.0%	28.6%	-7.6%	17.3%	16.0%	0.5%	12.6%	33.6%	16.4%	1.0%
<b>Alternative Asset Composite</b>	<b>4.7%</b>	<b>8.9%</b>	<b>8.0%</b>	<b>-4.6%</b>	<b>7.0%</b>	<b>-1.1%</b>	<b>0.0%</b>	<b>2.3%</b>	<b>11.0%</b>	<b>7.5%</b>	<b>-3.3%</b>
<i>HFRI Fund of Funds Composite Index</i>	6.2%	10.9%	8.4%	-4.0%	7.8%	0.5%	-0.3%	3.4%	9.0%	4.8%	-5.7%
<b>Real Estate Composite</b>	<b>40.4%</b>	<b>-4.4%</b>	<b>29.3%</b>	<b>-5.8%</b>	<b>4.7%</b>	<b>8.4%</b>	<b>2.6%</b>	<b>30.5%</b>	<b>2.4%</b>	<b>17.7%</b>	<b>8.3%</b>
<i>MSCI US REIT</i>	41.7%	-8.7%	24.3%	-5.8%	3.7%	7.1%	1.3%	28.8%	1.3%	16.5%	7.5%

## Investment Manager

## Annualized Performance (Gross of Fees)

Market Value: \$201.6 Million and 100.0% of Fund

Ending September 30, 2022

	1 Mo	3 Mo	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs	Inception	Inception Date
<b>Total Fund Composite</b>	<b>-7.4%</b>	<b>-6.1%</b>	<b>-20.2%</b>	<b>-16.6%</b>	<b>1.9%</b>	<b>3.8%</b>	<b>5.1%</b>	<b>5.1%</b>	<b>5.9%</b>	<b>Jul-02</b>
Strategic Asset Allocation	-7.2%	-5.6%	-20.2%	-16.7%	1.1%	3.2%	4.6%	4.5%	5.4%	Jul-02
<b>Fixed Income Composite</b>	<b>-4.3%</b>	<b>-4.2%</b>	<b>-14.4%</b>	<b>-14.3%</b>	<b>-1.7%</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>0.9%</b>	<b>Jan-18</b>
Fixed Income Balanced Index	-4.3%	-4.8%	-14.6%	-14.6%	-3.1%	--	--	--	-0.1%	Jan-18
Fidelity (Pyramis Global Advisors)	-4.3%	-4.2%	-14.4%	-14.3%	-1.7%	0.8%	1.9%	2.0%	3.8%	Apr-07
Bloomberg US Aggregate TR	-4.3%	-4.8%	-14.6%	-14.6%	-3.3%	-0.3%	0.5%	0.9%	2.8%	Apr-07
<b>Equity Composite</b>	<b>-9.8%</b>	<b>-7.7%</b>	<b>-24.9%</b>	<b>-20.4%</b>	<b>5.4%</b>	<b>7.3%</b>	<b>8.9%</b>	<b>9.6%</b>	<b>7.1%</b>	<b>Jun-06</b>
Equity Balanced Index	-9.8%	-6.9%	-25.0%	-20.3%	5.5%	6.2%	9.2%	10.2%	7.9%	Jun-06
Barrow, Hanley, Mewhinney, & Strauss	-8.7%	-5.4%	-15.7%	-9.0%	5.6%	7.3%	9.2%	10.1%	7.3%	Sep-06
Russell 1000 Value	-8.8%	-5.6%	-17.8%	-11.4%	4.4%	5.3%	8.2%	9.2%	6.2%	Sep-06
BlackRock Russell 1000 Growth	-9.7%	-3.6%	--	--	--	--	--	--	-3.6%	Jun-22
Russell 1000 Growth	-9.7%	-3.6%	-30.7%	-22.6%	10.7%	12.2%	13.7%	13.7%	-3.6%	Jun-22
NewSouth Capital	-10.3%	-8.8%	-26.7%	-22.1%	2.5%	6.1%	7.4%	9.2%	9.6%	Aug-11
Russell 2500	-9.5%	-2.8%	-24.0%	-21.1%	5.4%	5.5%	8.4%	9.6%	10.1%	Aug-11
Russell 2500 Value	-10.1%	-4.5%	-20.4%	-15.4%	4.5%	3.8%	7.3%	8.4%	9.2%	Aug-11
Earnest Partners	-10.0%	-9.3%	-23.5%	-22.1%	2.5%	1.4%	5.8%	5.1%	5.9%	Jun-10
MSCI ACWI ex USA	-10.0%	-9.9%	-26.5%	-25.2%	-1.5%	-0.8%	3.3%	3.0%	3.9%	Jun-10
<b>Alternative Asset Composite</b>	<b>0.0%</b>	<b>0.3%</b>	<b>0.8%</b>	<b>0.5%</b>	<b>5.5%</b>	<b>3.9%</b>	<b>3.4%</b>	<b>3.9%</b>	<b>3.3%</b>	<b>May-07</b>
HFRI Fund of Funds Composite Index	-0.6%	0.7%	-5.9%	-5.5%	4.5%	3.3%	3.3%	3.6%	1.8%	May-07
Prisma Capital Partners LP	0.0%	0.3%	0.9%	0.6%	5.6%	3.9%	3.4%	3.9%	3.3%	May-07
HFRI Fund of Funds Composite Index	-0.6%	0.7%	-5.9%	-5.5%	4.5%	3.3%	3.3%	3.6%	1.8%	May-07
<b>Real Estate Composite</b>	<b>-12.9%</b>	<b>-11.1%</b>	<b>-29.3%</b>	<b>-18.8%</b>	<b>-1.6%</b>	<b>3.2%</b>	<b>5.0%</b>	<b>6.3%</b>	<b>7.7%</b>	<b>Apr-10</b>
MSCI US REIT	-12.3%	-10.3%	-28.9%	-17.5%	-3.1%	1.7%	3.6%	4.9%	6.3%	Apr-10
Vanguard Real Estate ETF	-12.9%	-11.1%	-29.3%	-18.8%	-1.6%	3.2%	5.0%	6.3%	7.7%	Apr-10
MSCI US REIT	-12.3%	-10.3%	-28.9%	-17.5%	-3.1%	1.7%	3.6%	4.9%	6.3%	Apr-10

## Investment Manager

## Calendar Performance (Gross of Fees)

Market Value: \$201.6 Million and 100.0% of Fund

	Calendar Year										
	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011
<b>Total Fund Composite</b>	<b>14.6%</b>	<b>10.9%</b>	<b>19.1%</b>	<b>-3.3%</b>	<b>11.6%</b>	<b>6.4%</b>	<b>-1.7%</b>	<b>5.6%</b>	<b>11.0%</b>	<b>11.7%</b>	<b>3.5%</b>
Strategic Asset Allocation	11.6%	11.0%	18.9%	-3.8%	12.8%	6.4%	-2.8%	4.2%	11.5%	10.5%	2.2%
<b>Fixed Income Composite</b>	<b>0.3%</b>	<b>9.7%</b>	<b>10.2%</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>
Fixed Income Balanced Index	-1.5%	7.6%	9.3%	-0.3%	--	--	--	--	--	--	--
Fidelity (Pyramis Global Advisors)	0.3%	9.7%	10.2%	-0.3%	4.7%	5.6%	0.1%	6.2%	-0.7%	7.6%	7.8%
Bloomberg US Aggregate TR	-1.5%	7.5%	8.7%	0.0%	3.5%	2.6%	0.6%	6.0%	-2.0%	4.2%	7.8%
<b>Equity Composite</b>	<b>21.5%</b>	<b>21.1%</b>	<b>29.2%</b>	<b>-5.6%</b>	<b>19.0%</b>	<b>11.0%</b>	<b>-0.3%</b>	<b>9.0%</b>	<b>23.8%</b>	<b>16.9%</b>	<b>0.0%</b>
Equity Balanced Index	19.7%	20.0%	28.6%	-7.6%	17.3%	16.0%	0.5%	12.6%	33.6%	16.4%	1.0%
Barrow, Hanley, Mewhinney, & Strauss	26.1%	4.2%	26.8%	-4.6%	15.2%	14.2%	-1.3%	12.8%	32.4%	15.2%	2.6%
Russell 1000 Value	25.2%	2.8%	26.5%	-8.3%	13.7%	17.3%	-3.8%	13.5%	32.5%	17.5%	0.4%
BlackRock Russell 1000 Growth	--	--	--	--	--	--	--	--	--	--	--
Russell 1000 Growth	27.6%	38.5%	36.4%	-1.5%	30.2%	7.1%	5.7%	13.0%	33.5%	15.3%	2.6%
NewSouth Capital	25.8%	8.9%	29.7%	-0.4%	12.2%	10.2%	-0.5%	12.2%	28.8%	16.8%	--
Russell 2500	18.2%	20.0%	27.8%	-10.0%	16.8%	17.6%	-2.9%	7.1%	36.8%	17.9%	-2.5%
Russell 2500 Value	27.8%	4.9%	23.6%	-12.4%	10.4%	25.2%	-5.5%	7.1%	33.3%	19.2%	-3.4%
Earnest Partners	12.9%	13.9%	23.3%	-15.7%	31.6%	5.5%	-5.5%	-1.6%	13.5%	19.5%	-9.7%
MSCI ACWI ex USA	7.8%	10.7%	21.5%	-14.2%	27.2%	4.5%	-5.7%	-3.9%	15.3%	16.8%	-13.7%
<b>Alternative Asset Composite</b>	<b>4.7%</b>	<b>8.9%</b>	<b>8.0%</b>	<b>-4.6%</b>	<b>7.0%</b>	<b>-1.1%</b>	<b>0.0%</b>	<b>2.3%</b>	<b>11.0%</b>	<b>7.5%</b>	<b>-3.3%</b>
HFRI Fund of Funds Composite Index	6.2%	10.9%	8.4%	-4.0%	7.8%	0.5%	-0.3%	3.4%	9.0%	4.8%	-5.7%
Prisma Capital Partners LP	4.7%	8.9%	8.0%	-4.7%	7.0%	-1.1%	0.0%	2.3%	11.0%	7.5%	-3.3%
HFRI Fund of Funds Composite Index	6.2%	10.9%	8.4%	-4.0%	7.8%	0.5%	-0.3%	3.4%	9.0%	4.8%	-5.7%
<b>Real Estate Composite</b>	<b>40.4%</b>	<b>-4.4%</b>	<b>29.3%</b>	<b>-5.8%</b>	<b>4.7%</b>	<b>8.4%</b>	<b>2.6%</b>	<b>30.5%</b>	<b>2.4%</b>	<b>17.7%</b>	<b>8.3%</b>
MSCI US REIT	41.7%	-8.7%	24.3%	-5.8%	3.7%	7.1%	1.3%	28.8%	1.3%	16.5%	7.5%
Vanguard Real Estate ETF	40.4%	-4.4%	29.3%	-5.8%	4.7%	8.4%	2.6%	30.5%	2.4%	17.7%	8.3%
MSCI US REIT	41.7%	-8.7%	24.3%	-5.8%	3.7%	7.1%	1.3%	28.8%	1.3%	16.5%	7.5%

## Total Fund Composite

## Annualized Performance (Net of Fees)

Market Value: \$201.6 Million and 100.0% of Fund

Ending September 30, 2022

	1 Mo	3 Mo	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs	Inception	Inception Date
<b>Total Fund Composite</b>	<b>-7.5%</b>	<b>-6.2%</b>	<b>-20.4%</b>	<b>-17.0%</b>	<b>1.5%</b>	<b>3.4%</b>	<b>4.8%</b>	<b>4.9%</b>	<b>5.8%</b>	<b>Jul-02</b>
<i>Strategic Asset Allocation</i>	-7.2%	-5.6%	-20.2%	-16.7%	1.1%	3.2%	4.6%	4.5%	5.4%	Jul-02
<b>Fixed Income Composite</b>	<b>-4.3%</b>	<b>-4.2%</b>	<b>-14.6%</b>	<b>-14.5%</b>	<b>-1.9%</b>	--	--	--	<b>0.7%</b>	<b>Jan-18</b>
<i>Fixed Income Balanced Index</i>	-4.3%	-4.8%	-14.6%	-14.6%	-3.1%	--	--	--	-0.1%	Jan-18
<b>Equity Composite</b>	<b>-9.9%</b>	<b>-7.9%</b>	<b>-25.3%</b>	<b>-20.9%</b>	<b>5.0%</b>	<b>7.7%</b>	<b>9.2%</b>	<b>9.8%</b>	<b>7.2%</b>	<b>Jun-06</b>
<i>Equity Balanced Index</i>	-9.8%	-6.9%	-25.0%	-20.3%	5.5%	6.2%	9.2%	10.2%	7.9%	Jun-06
<b>Alternative Asset Composite</b>	<b>0.0%</b>	<b>0.2%</b>	<b>0.2%</b>	<b>-0.3%</b>	<b>5.0%</b>	<b>3.6%</b>	<b>3.2%</b>	<b>3.7%</b>	<b>3.2%</b>	<b>May-07</b>
<i>HFRI Fund of Funds Composite Index</i>	-0.6%	0.7%	-5.9%	-5.5%	4.5%	3.3%	3.3%	3.6%	1.8%	May-07
<b>Real Estate Composite</b>	<b>-12.9%</b>	<b>-11.1%</b>	<b>-29.3%</b>	<b>-18.8%</b>	<b>-1.6%</b>	<b>3.2%</b>	<b>4.9%</b>	<b>6.3%</b>	<b>7.6%</b>	<b>Apr-10</b>
<i>MSCI US REIT</i>	-12.3%	-10.3%	-28.9%	-17.5%	-3.1%	1.7%	3.6%	4.9%	6.3%	Apr-10



## Total Fund Composite

## Calendar Performance (Net of Fees)

Market Value: \$201.6 Million and 100.0% of Fund

	Calendar Year										
	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011
<b>Total Fund Composite</b>	<b>14.0%</b>	<b>10.5%</b>	<b>18.8%</b>	<b>-3.6%</b>	<b>11.6%</b>	<b>6.4%</b>	<b>-1.7%</b>	<b>5.6%</b>	<b>11.0%</b>	<b>11.7%</b>	<b>3.5%</b>
Strategic Asset Allocation	11.6%	11.0%	18.9%	-3.8%	12.8%	6.4%	-2.8%	4.2%	11.5%	10.5%	2.2%
InvMetrics Public DB Net Rank	44	81	60	30	95	78	78	47	85	53	6
<b>Fixed Income Composite</b>	<b>0.0%</b>	<b>9.5%</b>	<b>10.0%</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>
Fixed Income Balanced Index	-1.5%	7.6%	9.3%	-0.3%	--	--	--	--	--	--	--
InvMetrics Public DB US Fix Inc Net Rank	13	15	9	--	--	--	--	--	--	--	--
<b>Equity Composite</b>	<b>20.8%</b>	<b>21.1%</b>	<b>24.3%</b>	<b>1.2%</b>	<b>19.0%</b>	<b>11.0%</b>	<b>-0.3%</b>	<b>9.0%</b>	<b>23.8%</b>	<b>16.9%</b>	<b>0.0%</b>
Equity Balanced Index	19.7%	20.0%	28.6%	-7.6%	17.3%	16.0%	0.5%	12.6%	33.6%	16.4%	1.0%
InvMetrics Public DB Total Eq Net Rank	37	7	96	1	97	7	16	19	88	44	13
<b>Alternative Asset Composite</b>	<b>3.8%</b>	<b>8.9%</b>	<b>8.0%</b>	<b>-4.7%</b>	<b>7.0%</b>	<b>-1.1%</b>	<b>0.0%</b>	<b>2.3%</b>	<b>11.0%</b>	<b>7.5%</b>	<b>-3.3%</b>
HFRI Fund of Funds Composite Index	6.2%	10.9%	8.4%	-4.0%	7.8%	0.5%	-0.3%	3.4%	9.0%	4.8%	-5.7%
InvMetrics Public DB Hedge Funds Net Rank	77	47	48	81	40	93	45	85	59	46	70
<b>Real Estate Composite</b>	<b>40.4%</b>	<b>-4.4%</b>	<b>29.2%</b>	<b>-5.8%</b>	<b>4.7%</b>	<b>8.4%</b>	<b>2.6%</b>	<b>30.5%</b>	<b>2.4%</b>	<b>17.7%</b>	<b>8.3%</b>
MSCI US REIT	41.7%	-8.7%	24.3%	-5.8%	3.7%	7.1%	1.3%	28.8%	1.3%	16.5%	7.5%
InvMetrics Public DB Real Estate Pub Net Rank	--	61	1	50	77	11	48	12	99	15	79

# Investment Manager

# Annualized Performance (Net of Fees)

Market Value: \$201.6 Million and 100.0% of Fund

Ending September 30, 2022

	1 Mo	3 Mo	YTD	1 Yr	3 Yrs	5 Yrs	7 Yrs	10 Yrs	Inception	Inception Date
<b>Total Fund Composite</b>	<b>-7.5%</b>	<b>-6.2%</b>	<b>-20.4%</b>	<b>-17.0%</b>	<b>1.5%</b>	<b>3.4%</b>	<b>4.8%</b>	<b>4.9%</b>	<b>5.8%</b>	<b>Jul-02</b>
Strategic Asset Allocation	-7.2%	-5.6%	-20.2%	-16.7%	1.1%	3.2%	4.6%	4.5%	5.4%	Jul-02
<b>Fixed Income Composite</b>	<b>-4.3%</b>	<b>-4.2%</b>	<b>-14.6%</b>	<b>-14.5%</b>	<b>-1.9%</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>0.7%</b>	<b>Jan-18</b>
Fixed Income Balanced Index	-4.3%	-4.8%	-14.6%	-14.6%	-3.1%	--	--	--	-0.1%	Jan-18
Fidelity (Pyramis Global Advisors)	-4.3%	-4.2%	-14.6%	-14.5%	-1.9%	0.7%	1.8%	2.0%	3.8%	Apr-07
Bloomberg US Aggregate TR	-4.3%	-4.8%	-14.6%	-14.6%	-3.3%	-0.3%	0.5%	0.9%	2.8%	Apr-07
<b>Equity Composite</b>	<b>-9.9%</b>	<b>-7.9%</b>	<b>-25.3%</b>	<b>-20.9%</b>	<b>5.0%</b>	<b>7.7%</b>	<b>9.2%</b>	<b>9.8%</b>	<b>7.2%</b>	<b>Jun-06</b>
Equity Balanced Index	-9.8%	-6.9%	-25.0%	-20.3%	5.5%	6.2%	9.2%	10.2%	7.9%	Jun-06
Barrow, Hanley, Mewhinney, & Strauss	-8.7%	-5.4%	-15.9%	-9.4%	5.0%	6.6%	8.5%	9.5%	6.6%	Sep-06
Russell 1000 Value	-8.8%	-5.6%	-17.8%	-11.4%	4.4%	5.3%	8.2%	9.2%	6.2%	Sep-06
BlackRock Russell 1000 Growth	-9.7%	-3.6%	--	--	--	--	--	--	-3.6%	Jun-22
Russell 1000 Growth	-9.7%	-3.6%	-30.7%	-22.6%	10.7%	12.2%	13.7%	13.7%	-3.6%	Jun-22
NewSouth Capital	-10.3%	-9.0%	-27.2%	-22.8%	1.6%	5.1%	6.5%	8.2%	8.7%	Aug-11
Russell 2500	-9.5%	-2.8%	-24.0%	-21.1%	5.4%	5.5%	8.4%	9.6%	10.1%	Aug-11
Russell 2500 Value	-10.1%	-4.5%	-20.4%	-15.4%	4.5%	3.8%	7.3%	8.4%	9.2%	Aug-11
Earnest Partners	-10.1%	-9.5%	-24.0%	-22.8%	1.6%	0.6%	4.9%	4.2%	5.0%	Jun-10
MSCI ACWI ex USA	-10.0%	-9.9%	-26.5%	-25.2%	-1.5%	-0.8%	3.3%	3.0%	3.9%	Jun-10
<b>Alternative Asset Composite</b>	<b>0.0%</b>	<b>0.2%</b>	<b>0.2%</b>	<b>-0.3%</b>	<b>5.0%</b>	<b>3.6%</b>	<b>3.2%</b>	<b>3.7%</b>	<b>3.2%</b>	<b>May-07</b>
HFRI Fund of Funds Composite Index	-0.6%	0.7%	-5.9%	-5.5%	4.5%	3.3%	3.3%	3.6%	1.8%	May-07
Prisma Capital Partners LP	0.0%	0.2%	0.3%	-0.2%	5.0%	3.6%	3.2%	3.7%	3.2%	May-07
HFRI Fund of Funds Composite Index	-0.6%	0.7%	-5.9%	-5.5%	4.5%	3.3%	3.3%	3.6%	1.8%	May-07
<b>Real Estate Composite</b>	<b>-12.9%</b>	<b>-11.1%</b>	<b>-29.3%</b>	<b>-18.8%</b>	<b>-1.6%</b>	<b>3.2%</b>	<b>4.9%</b>	<b>6.3%</b>	<b>7.6%</b>	<b>Apr-10</b>
MSCI US REIT	-12.3%	-10.3%	-28.9%	-17.5%	-3.1%	1.7%	3.6%	4.9%	6.3%	Apr-10
Vanguard Real Estate ETF	-12.9%	-11.1%	-29.3%	-18.8%	-1.6%	3.2%	4.9%	6.3%	7.6%	Apr-10
MSCI US REIT	-12.3%	-10.3%	-28.9%	-17.5%	-3.1%	1.7%	3.6%	4.9%	6.3%	Apr-10

# Investment Manager

# Calendar Performance (Net of Fees)

Market Value: \$201.6 Million and 100.0% of Fund

	Calendar Year										
	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011
<b>Total Fund Composite</b>	<b>14.0%</b>	<b>10.5%</b>	<b>18.8%</b>	<b>-3.6%</b>	<b>11.6%</b>	<b>6.4%</b>	<b>-1.7%</b>	<b>5.6%</b>	<b>11.0%</b>	<b>11.7%</b>	<b>3.5%</b>
Strategic Asset Allocation	11.6%	11.0%	18.9%	-3.8%	12.8%	6.4%	-2.8%	4.2%	11.5%	10.5%	2.2%
InvMetrics Public DB Net Rank	44	81	60	30	95	78	78	47	85	53	6
<b>Fixed Income Composite</b>	<b>0.0%</b>	<b>9.5%</b>	<b>10.0%</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>
Fixed Income Balanced Index	-1.5%	7.6%	9.3%	-0.3%	--	--	--	--	--	--	--
InvMetrics Public DB US Fix Inc Net Rank	13	15	9	--	--	--	--	--	--	--	--
Fidelity (Pyramis Global Advisors)	0.0%	9.7%	10.2%	-0.3%	4.7%	5.6%	0.1%	6.2%	-0.7%	7.6%	7.8%
Bloomberg US Aggregate TR	-1.5%	7.5%	8.7%	0.0%	3.5%	2.6%	0.5%	6.0%	-2.0%	4.2%	7.8%
eV US Core Plus Fixed Inc Net Rank	30	24	34	34	52	28	44	26	45	69	19
<b>Equity Composite</b>	<b>20.8%</b>	<b>21.1%</b>	<b>24.3%</b>	<b>1.2%</b>	<b>19.0%</b>	<b>11.0%</b>	<b>-0.3%</b>	<b>9.0%</b>	<b>23.8%</b>	<b>16.9%</b>	<b>0.0%</b>
Equity Balanced Index	19.7%	20.0%	28.6%	-7.6%	17.3%	16.0%	0.5%	12.6%	33.6%	16.4%	1.0%
InvMetrics Public DB Total Eq Net Rank	37	7	96	1	97	7	16	19	88	44	13
Barrow, Hanley, Mewhinney, & Strauss	25.2%	3.4%	25.9%	-5.2%	14.5%	13.6%	-1.9%	12.1%	31.6%	14.5%	2.0%
Russell 1000 Value	25.2%	2.8%	26.5%	-8.3%	13.7%	17.3%	-3.8%	13.5%	32.5%	17.5%	0.4%
Large Value MStar MF Rank	68	45	48	18	71	66	26	30	56	67	26
BlackRock Russell 1000 Growth	--	--	--	--	--	--	--	--	--	--	--
Russell 1000 Growth	27.6%	38.5%	36.4%	-1.5%	30.2%	7.1%	5.7%	13.0%	33.5%	15.3%	2.6%
eV US Large Cap Growth Equity Net Rank	--	--	--	--	--	--	--	--	--	--	--
NewSouth Capital	24.6%	8.0%	28.5%	-1.3%	11.2%	9.2%	-1.4%	11.1%	27.7%	15.8%	--
Russell 2500	18.2%	20.0%	27.8%	-10.0%	16.8%	17.6%	-2.9%	7.1%	36.8%	17.9%	-2.5%
Russell 2500 Value	27.8%	4.9%	23.6%	-12.4%	10.4%	25.2%	-5.5%	7.1%	33.3%	19.2%	-3.4%
eV US Small-Mid Cap Value Equity Net Rank	74	32	29	1	61	97	24	12	94	41	--
Earnest Partners	12.0%	12.9%	22.2%	-16.4%	30.5%	4.6%	-6.3%	-2.5%	12.5%	18.5%	-10.5%
MSCI ACWI ex USA	7.8%	10.7%	21.5%	-14.2%	27.2%	4.5%	-5.7%	-3.9%	15.3%	16.8%	-13.7%
eV ACWI ex-US Large Cap Core Eq Net Rank	22	49	56	61	21	15	86	28	97	39	7

## Investment Manager

## Calendar Performance (Net of Fees)

Market Value: \$201.6 Million and 100.0% of Fund

	Calendar Year										
	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011
<b>Alternative Asset Composite</b>	<b>3.8%</b>	<b>8.9%</b>	<b>8.0%</b>	<b>-4.7%</b>	<b>7.0%</b>	<b>-1.1%</b>	<b>0.0%</b>	<b>2.3%</b>	<b>11.0%</b>	<b>7.5%</b>	<b>-3.3%</b>
<i>HFRI Fund of Funds Composite Index</i>	6.2%	10.9%	8.4%	-4.0%	7.8%	0.5%	-0.3%	3.4%	9.0%	4.8%	-5.7%
<i>InvMetrics Public DB Hedge Funds Net Rank</i>	77	47	48	81	40	93	45	85	59	46	70
<b>Prisma Capital Partners LP</b>	<b>3.8%</b>	<b>8.9%</b>	<b>8.0%</b>	<b>-4.7%</b>	<b>7.0%</b>	<b>-1.1%</b>	<b>0.0%</b>	<b>2.3%</b>	<b>11.0%</b>	<b>7.5%</b>	<b>-3.3%</b>
<i>HFRI Fund of Funds Composite Index</i>	6.2%	10.9%	8.4%	-4.0%	7.8%	0.5%	-0.3%	3.4%	9.0%	4.8%	-5.7%
<i>InvMetrics Public DB Hedge Funds Net Rank</i>	77	47	48	81	40	93	45	85	59	46	70
<b>Real Estate Composite</b>	<b>40.4%</b>	<b>-4.4%</b>	<b>29.2%</b>	<b>-5.8%</b>	<b>4.7%</b>	<b>8.4%</b>	<b>2.6%</b>	<b>30.5%</b>	<b>2.4%</b>	<b>17.7%</b>	<b>8.3%</b>
<i>MSCI US REIT</i>	41.7%	-8.7%	24.3%	-5.8%	3.7%	7.1%	1.3%	28.8%	1.3%	16.5%	7.5%
<i>InvMetrics Public DB Real Estate Pub Net Rank</i>	--	61	1	50	77	11	48	12	99	15	79
<b>Vanguard Real Estate ETF</b>	<b>40.4%</b>	<b>-4.4%</b>	<b>29.2%</b>	<b>-5.8%</b>	<b>4.7%</b>	<b>8.4%</b>	<b>2.6%</b>	<b>30.5%</b>	<b>2.4%</b>	<b>17.7%</b>	<b>8.3%</b>
<i>MSCI US REIT</i>	41.7%	-8.7%	24.3%	-5.8%	3.7%	7.1%	1.3%	28.8%	1.3%	16.5%	7.5%
<i>Real Estate MStar MF Rank</i>	72	55	37	48	61	19	67	36	36	38	54

## Total Fund Composite

## Fee Schedule

Market Value: \$201.6 Million and 100.0% of Fund

Asset Class	Investment Manager	Fee Schedule	Expense Ratio & Estimated Annual Fee <sup>1</sup>	Industry Median <sup>2</sup>
Core Plus Fixed Income	Fidelity (Pyramis Global Advisors)	0.25% on the first \$50 million 0.22% on the next \$50 million 0.20% on the next \$100 million 0.17% on the balance	0.24% \$163,832	0.30%
Large-Cap Value	Barrow, Hanley, Mewhinney, & Strauss	0.71% on the balance	0.71% \$93,143	0.72%
Large-Cap Growth	BlackRock Russell 1000 Growth	0.015% on the balance	0.015% \$2,620	0.06%
Smid-Cap Value	NewSouth Capital	0.90% on the first \$25 million 0.85% on the next \$25 million	0.90% \$232,941	0.88%
Non-U.S. Large-Cap Core	Earnest Partners	0.85% on the balance	0.85% \$373,510	0.75%
Multi-Strat. Hedge FoF	Prisma Capital Partners LP	1.00% on the balance	1.00% \$187,612	1.00%
U.S. REIT	Vanguard Real Estate ETF	0.12% on the balance	0.12% \$17,200	1.19%
<b>Total Investment Management Fees</b>			<b>0.53%</b> <b>\$1,070,858</b>	<b>0.61%</b>

<sup>1</sup> Expense Ratio & Estimated Annual Fee are Based on Market Value at Quarter End.

<sup>2</sup> Source: 2019 Marquette Associates Investment Management Fee Study.

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