

August 2023 Executive Summary



PRELIMINARY, SUBJECT TO REVISION

Overview

Year-to-date returns

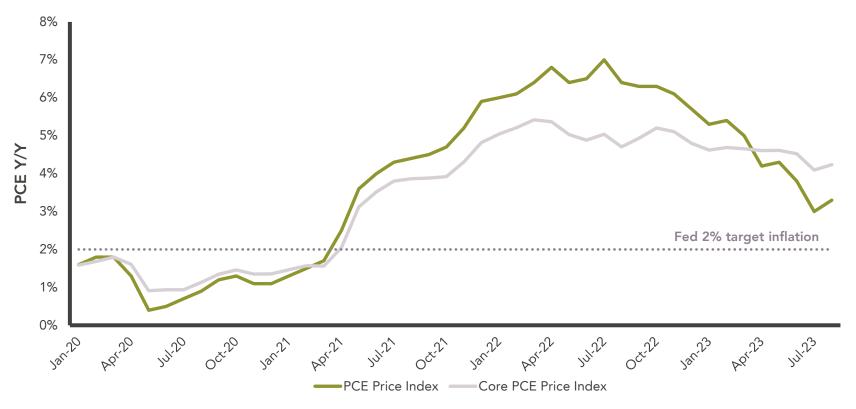
2023 YTD	2022	2021	2020	2019	2018	2017	2016	2015	2014	5yr	10yr
Large Cap 18.7%	Commodities 26.0%	Commodities 40.4%	Broad U.S. Equities 20.9%	Large Cap 31.5%	Bank Loans 1.1%	Emerging Markets 37.3%	Small Cap 21.3%	Intl Small Cap 9.6%	Large Cap 13.7%	Large Cap 11.1%	Large Cap 12.8%
Broad U.S. Equities 18.0%	Bank Loans -1.1%	Large Cap 28.7%	Small Cap 20.0%	Broad U.S. Equities 31.0%	Core Bond 0.0%	Intl Small Cap 33.0%	High Yield 17.1%	Large Cap 1.4%	Mid Cap 13.2%	Broad U.S. Equities 10.3%	Broad U.S. Equities 12.2%
Intl Large Cap 10.9%	High Yield -11.2%	Broad U.S. Equities 25.7%	Large Cap 18.4%	Mid Cap 30.5%	High Yield -2.1%	Broad Intl Equities 27.2%	Mid Cap 13.8%	Core Bond 0.5%	Broad U.S. Equities 12.6%	Mid Cap 7.3%	Mid Cap 10.0%
Mid Cap 9.4%	Core Bond -13.0%	Mid Cap 22.6%	Emerging Markets 18.3%	Small Cap 25.5%	Large Cap -4.4%	Intl Large Cap 25.0%	Broad U.S. Equities 12.7%	Broad U.S. Equities 0.5%	Core Bond 6.0%	Commodities 5.5%	Small Cap 8.0%
Small Cap 9.0%	Intl Large Cap -14.5%	Small Cap 14.8%	Mid Cap 17.1%	Intl Small Cap 25.0%	Broad U.S. Equities -5.2%	Large Cap 21.8%	Large Cap 12.0%	Bank Loans -0.4%	Small Cap 4.9%	Bank Loans 4.3%	Intl Small Cap 5.7%
Bank Loans 9.0%	Broad Intl Equities -16.0%	Intl Large Cap 11.3%	Intl Small Cap 12.3%	Intl Large Cap 22.0%	Mid Cap -9.1%	Broad U.S. Equities 21.1%	Commodities 11.4%	Intl Large Cap -0.8%	High Yield 2.5%	Intl Large Cap 4.1%	Intl Large Cap 4.9%
Broad Intl Equities 8.8%	Mid Cap -17.3%	Intl Small Cap 10.1%	Broad Intl Equities 10.7%	Broad Intl Equities 21.5%	Small Cap -11.0%	Mid Cap 18.5%	Emerging Markets 11.2%	Mid Cap -2.4%	Bank Loans 2.1%	Broad Intl Equities 3.3%	High Yield 4.5%
High Yield 7.1%	Large Cap -18.1%	Broad Intl Equities 7.8%	Intl Large Cap 7.8%	Emerging Markets 18.4%	Intl Large Cap -13.8%	Small Cap 14.6%	Bank Loans 9.9%	Small Cap -4.4%	Emerging Markets -2.2%	High Yield 3.3%	Broad Intl Equities 4.4%
Intl Small Cap 6.5%	Broad U.S. Equities -19.2%	Bank Loans 5.4%	Core Bond 7.5%	Commodities 17.6%	Commodities -13.8%	High Yield 7.5%	Broad Intl Equities 4.5%	High Yield -4.5%	Broad Intl Equities -3.9%	Small Cap 3.1%	Bank Loans 4.3%
Emerging Markets 4.6%	Emerging Markets -20.1%	High Yield 5.3%	High Yield 7.1%	High Yield 14.3%	Broad Intl Equities -14.2%	Commodities 5.8%	Core Bond 2.6%	Broad Intl Equities -5.7%	Intl Large Cap -4.9%	Intl Small Cap 1.5%	Emerging Markets 3.0%
Commodities 3.0%	Small Cap -20.4%	Core Bond -1.5%	Bank Loans 2.8%	Core Bond 8.7%	Emerging Markets -14.6%	Bank Loans 4.2%	Intl Small Cap 2.2%	Emerging Markets -14.9%	Intl Small Cap -4.9%	Emerging Markets 1.0%	Core Bond 1.5%
Core Bond 1.4%	Intl Small Cap -21.4%	Emerging Markets -2.5%	Commodities -23.7%	Bank Loans 8.2%	Intl Small Cap -17.9%	Core Bond 3.5%	Intl Large Cap 1.0%	Commodities -32.9%	Commodities -33.1%	Core Bond 0.5%	Commodities -3.3%

Source: Bloomberg as of August 31, 2023. Please see end of document for benchmark information.



PCE

Core PCE levels — the Fed's preferred measure of inflation — ticked up slightly in July and remain above the 2% rate that the bank targets

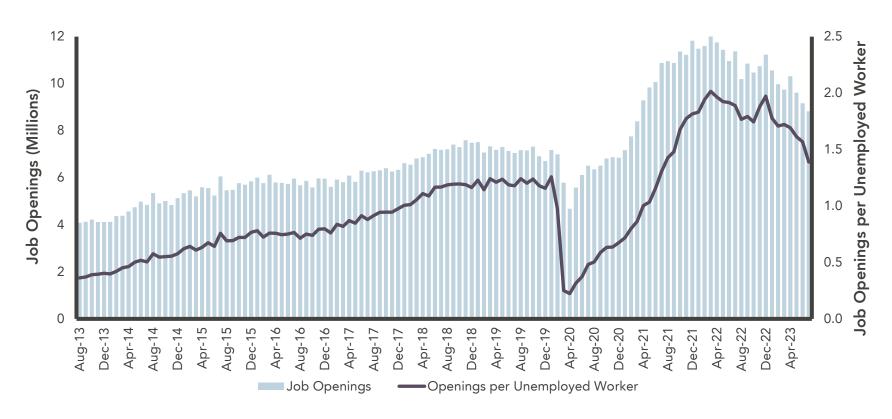


Source: Bloomberg, Bureau of Economic Analysis as of July 31, 2023



Job openings

Job openings have fallen back to early 2021 levels, reducing some of the pressures in the labor market

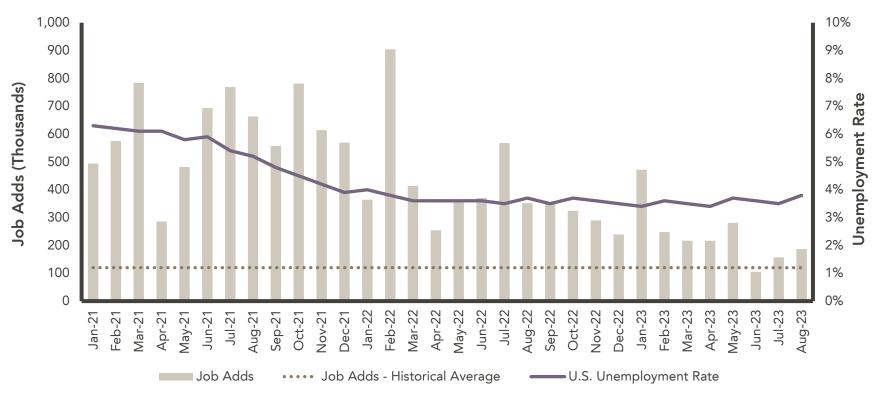


Source: Bloomberg, Bureau of Labor Statistics as of July 31, 2023 $\,$



Hiring and unemployment

Despite the steady pace of job growth, the unemployment rate ticked up to 3.8% in August, its highest level since early 2022

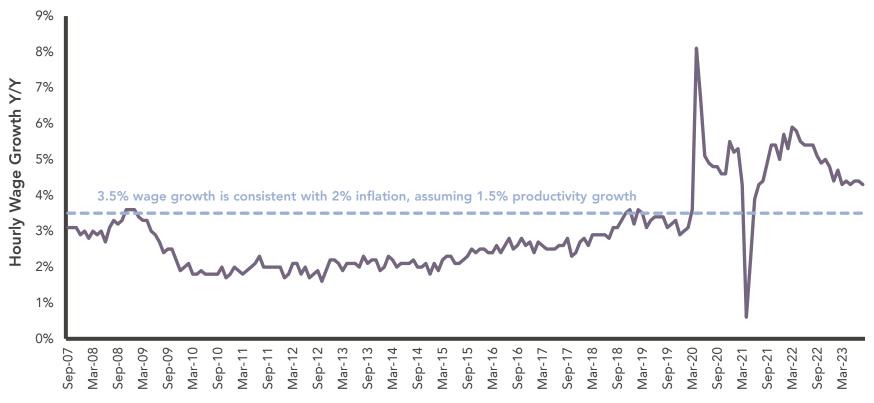


Source: Bloomberg, Bureau of Labor Statistics as of August 31, 2023. Job Adds – Historical Average represents the 30-year average prior to the onset of COVID-19 (March 1990 – February 2020).



Wage growth

Despite moderating in recent months, wages continue to grow at around 4%, too high to be consistent with a 2% inflation target

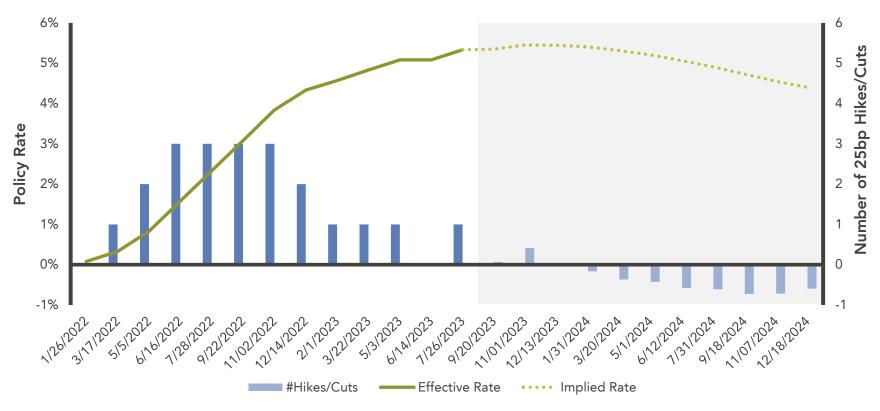


Source: Bloomberg, Bureau of Labor Statistics as of August 31, 2023



Rate expectations

Recent macroeconomic data has not changed market expectations of a pause in rate hikes at year-end, with cuts expected next year

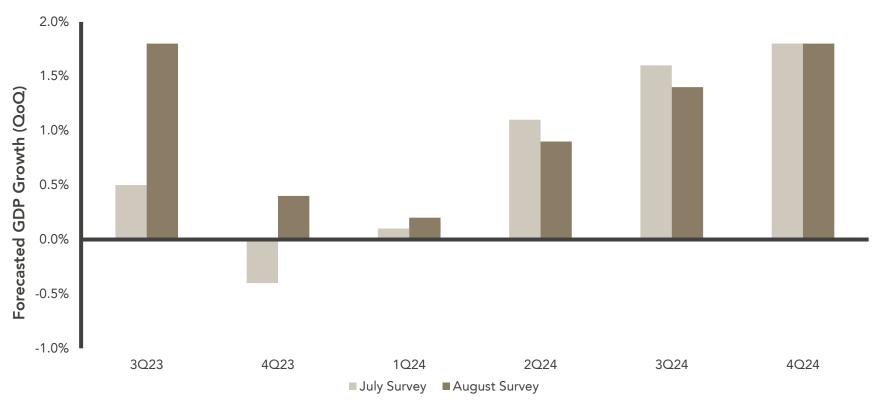


Source: Bloomberg as of September 7, 2023



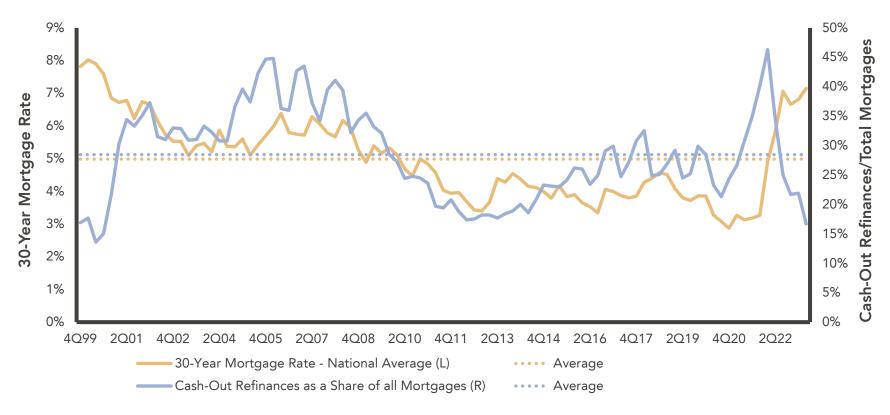
Economists more sanguine about U.S. growth prospects

Recent upward revisions to near-term GDP growth forecasts suggest the U.S. economy may skirt a "hard landing"



Cash-out refinancing falls after rate increases

A key source of U.S. consumers' cash dries up as fewer property owners are borrowing against the equity in their homes

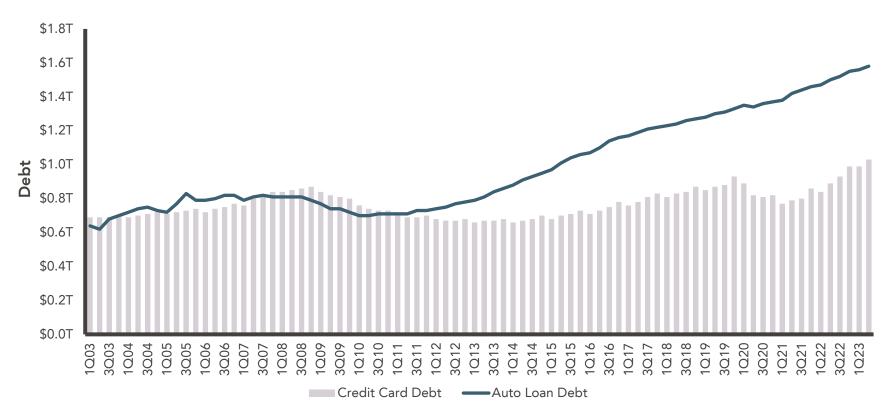


Source: Bloomberg and Federal Housing Finance Agency as of June 30, 2023



Credit has become widespread

U.S. consumers have added more than \$1 trillion in aggregate credit card and car loan debt over the past decade



Source: Bloomberg as of June 30, 2023



Fixed Income

Fixed income performance

Fixed income indices were mixed in August as the income component of return offset wider spreads and curve steepening

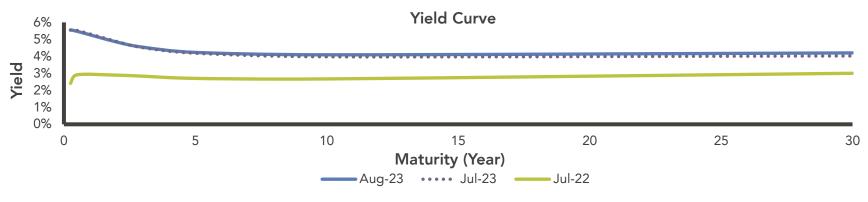
		MTD (%)	QTD (%)	YTD (%)	1 Yr (%)	3 Yr (%)	5 Yr (%)	10 Yr (%)
Broad Market Index	Blm Aggregate	-0.6	-0.7	1.4	-1.2	-4.4	0.5	1.5
Intermediate Index	Blm Int. Gov./Credit	0.0	0.2	1.8	0.6	-2.6	1.2	1.5
Government Only Indices	Blm Long Gov.	-2.8	-4.9	-1.3	-9.6	-13.4	-1.9	1.6
	Blm Int. Gov.	0.1	0.2	1.3	-0.1	-2.8	0.8	1.0
	Blm 1-3 Year Gov.	0.4	0.7	1.7	1.3	-0.9	1.0	0.8
	Blm U.S. TIPS	-0.9	-0.8	1.1	-3.7	-1.5	2.3	2.1
Credit Indices	Blm U.S. Long Credit	-1.9	-2.1	2.8	-1.1	-7.5	0.7	3.3
	Blm High Yield	0.3	1.7	7.1	7.2	1.8	3.3	4.5
	CS Leveraged Loan Index	1.2	2.5	9.0	9.1	5.8	4.3	4.3
Securitized Bond Indices	Blm MBS	-0.8	-0.9	1.0	-2.1	-4.1	-0.3	1.1
	Blm ABS	0.3	0.7	2.4	2.1	-0.6	1.6	1.6
	Blm CMBS	0.0	0.2	1.2	-1.0	-3.2	1.0	1.9
Non-U.S. Indices	Blm Global Aggregate Hedged	-0.1	-0.1	2.9	0.6	-3.0	0.8	2.1
	JPM EMBI Global Diversified	-1.5	0.4	4.5	-5.8	-4.3	0.5	3.0
	JPM GBI-EM Global Diversified	-2.7	0.1	7.9	11.3	-2.6	1.2	-0.1
Municipal Indices	Blm Municipal 5 Year	-0.7	-0.4	0.8	1.0	-1.1	1.3	1.7
	Blm HY Municipal	-1.5	-0.9	3.5	0.5	0.5	2.4	4.7

Source: Bloomberg, Credit Suisse, JPMorgan as of August 31, 2023. The local currency GBI index is hedged and denominated in U.S. dollars.

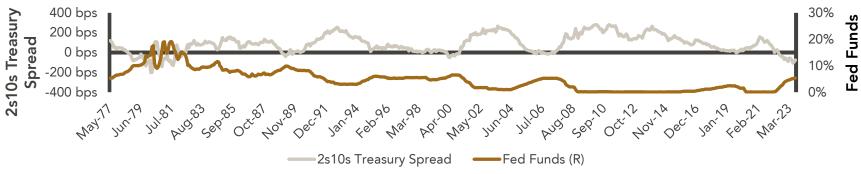


U.S. Treasury yield curve and steepness

The yield curve remains inverted, but the curve steepened slightly in August as investors digested Jay Powell's comments at Jackson Hole





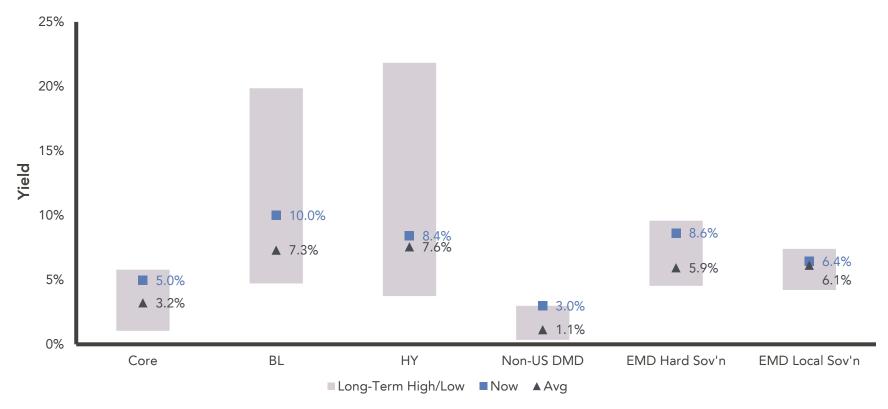


Source: Federal Reserve, Bloomberg as of August 31, 2023



Fixed income yields

Yields continue to sit well above historical averages across most sectors, but have been range bound over recent months

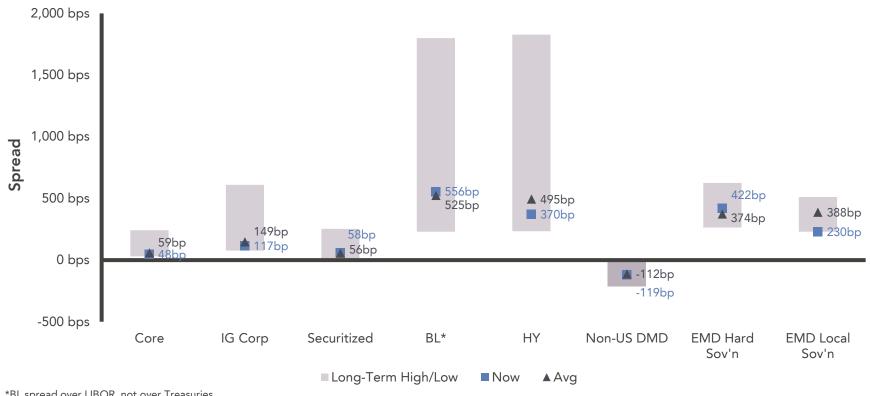


Source: Bloomberg, Credit Suisse, JPMorgan as of August 31, 2023. Long-term high, low, and average based on longest available data for each index.



Fixed income spreads

Spreads showed moderate widening in August and currently exhibit fair value at best

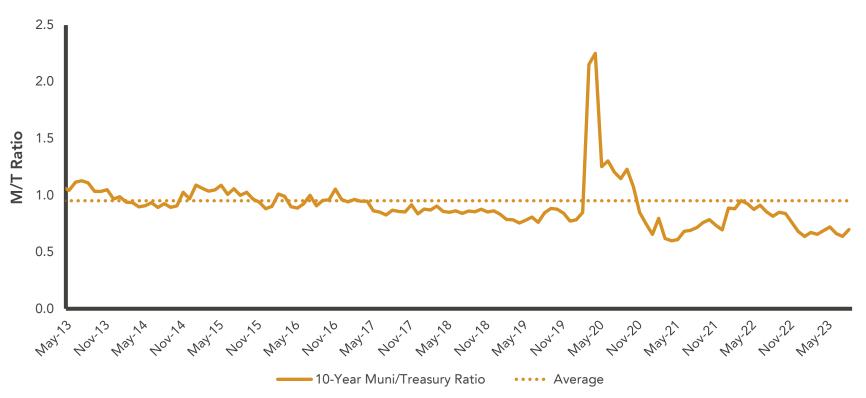


*BL spread over LIBOR, not over Treasuries. Source: Bloomberg, Credit Suisse, JPMorgan as of August 31, 2023. Long-term high, low, and average based on longest available data for each index.



Municipal-to-Treasury ratio

Despite ticking up in August, Municipal-to-Treasury ratios continue to hold below long-term average levels



Source: Bloomberg, Federal Reserve as of August 31, 2023. Municipal/Treasury ratio defined as the Bloomberg AAA 10-year Municipal Bond YTW as a percentage of the 10year Treasury Bond yield



Municipal-to-Treasury ratios

Municipal-to-Treasury ratios ticked up in August as municipal yields increased at a greater rate than Treasury yields

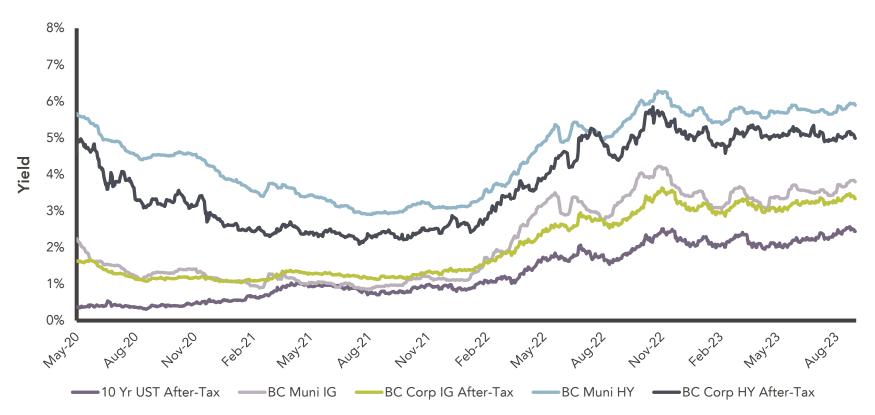
	MUN	TSY	Ratio (8/31/23)	Ratio (12/31/22)	Ratio (12/31/21)	Ratio (12/31/20)
1Y	3.23	5.37	0.60	0.60	0.49	1.21
3Y	3.00	4.59	0.66	0.61	0.35	0.87
5Y	2.85	4.31	0.68	0.64	0.48	0.59
7Y	2.81	4.26	0.67	0.65	0.59	0.57
10Y	2.85	4.17	0.70	0.68	0.70	0.75
30Y	3.84	4.28	0.93	0.91	0.81	0.89

Source: Bloomberg, U.S. Treasury as of August 31, 2023



Municipal vs. corporate after-tax yields

Yields on investment grade and high yield municipals continue to exhibit a yield pick-up relative to after-tax corporate yields

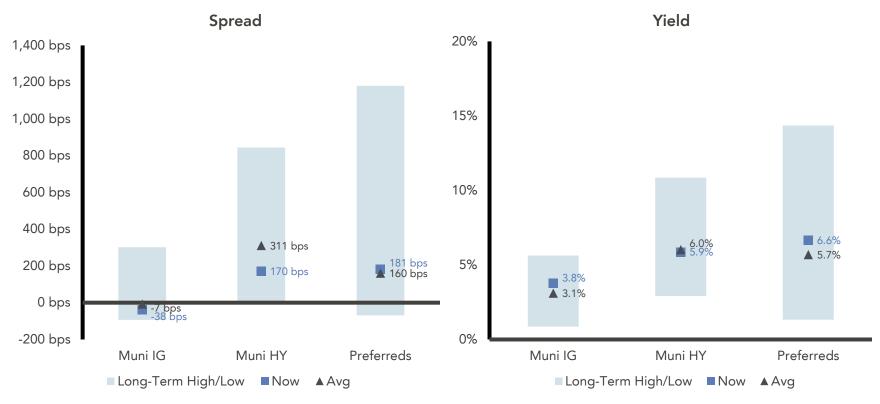


Source: Bloomberg as of August 31, 2023; based on 37% highest tax bracket and 3.8% net investment income tax



Municipal spreads and yields

IG municipal spreads were little changed and high yield municipal spreads compressed during the month; Municipal yields moved higher





U.S. Equities

U.S. equity performance

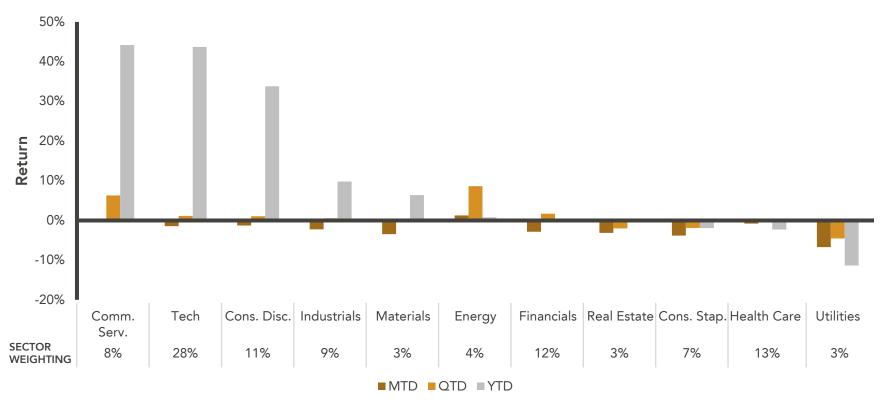
August proved to be challenging for stocks across the board, though major domestic indices remain in positive territory since the start of 2023

		MTD (%)	QTD (%)	YTD (%)	1 Yr (%)	3 Yr (%)	5 Yr (%)	10 Yr (%)
Broad Market Indices	Dow Jones	-2.0	1.4	6.4	12.6	9.1	8.3	11.4
	Wilshire 5000	-1.9	1.6	18.4	14.6	9.3	9.9	12.0
	Russell 3000	-1.9	1.6	18.0	14.8	9.8	10.3	12.2
Large-Cap Market Indices	S&P 500	-1.6	1.6	18.7	15.9	10.5	11.1	12.8
	Russell 1000	-1.7	1.6	18.6	15.4	9.9	10.8	12.6
	Russell 1000 Value	-2.7	0.7	5.9	8.6	11.6	7.1	9.1
	Russell 1000 Growth	-0.9	2.4	32.2	21.9	8.3	13.8	15.6
Mid-Cap Market Indices	Russell Mid-Cap	-3.5	0.4	9.4	8.4	9.2	7.3	10.0
	Russell Mid-Cap Value	-3.5	0.7	5.9	5.7	12.1	6.1	8.9
	Russell Mid-Cap Growth	-3.3	-0.4	15.5	13.0	3.8	8.0	11.0
Small-Cap Market Indices	Russell 2000	-5.0	0.8	9.0	4.7	8.1	3.1	8.0
	Russell 2000 Value	-4.8	2.4	4.9	2.2	13.5	3.2	7.4
	Russell 2000 Growth	-5.2	-0.8	12.7	6.8	2.7	2.5	8.2



S&P 500 sector performance

Energy was the only positive sector of the S&P 500 in August, though growth-oriented sectors continue to lead on a year-to-date basis

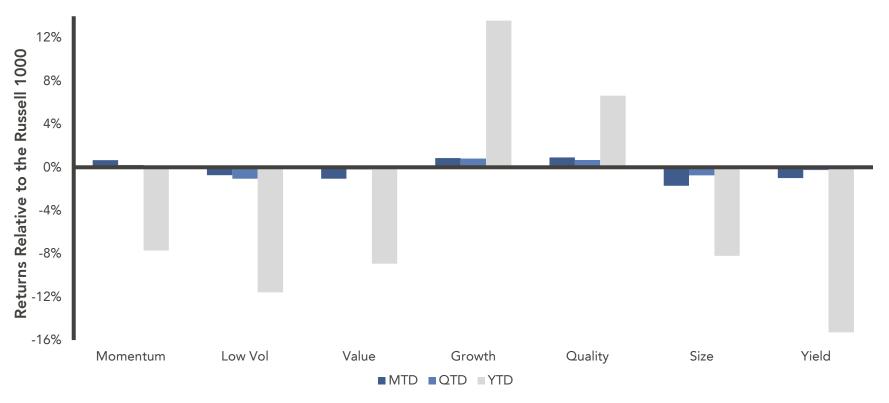


Source: Bloomberg as of August 31, 2023. Sector weightings are as of June 30, 2023



Russell 1000 factor performance

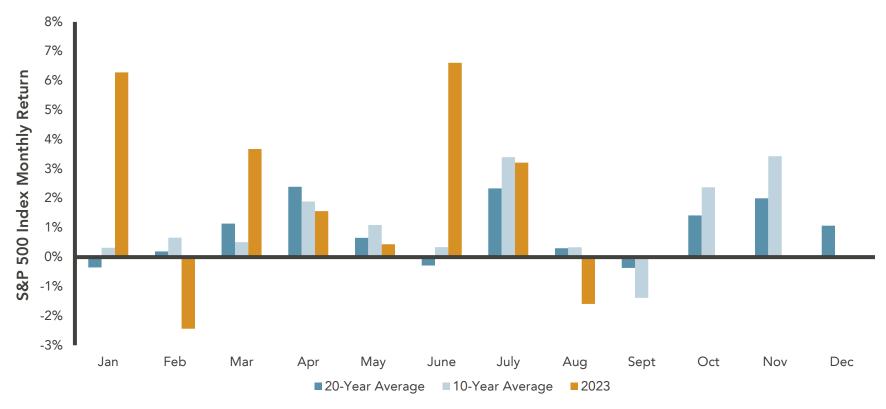
Factor performance was relatively muted in August, with quality, growth, and momentum slightly positive for the month





Arduous August and sluggish September?

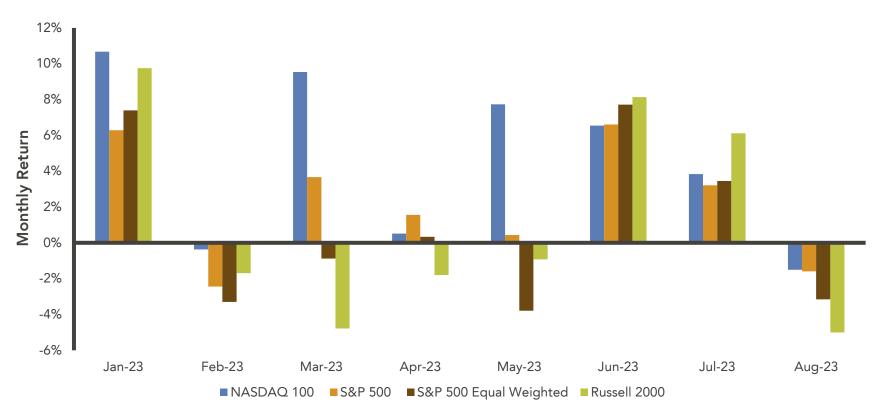
While August is usually not a strong month for equity markets, September has tended to be even more challenged over the last two decades





2023: The year of the narrow market

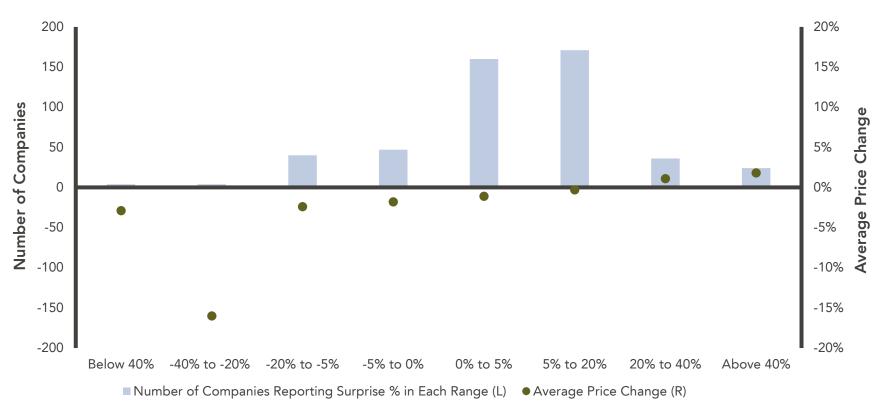
The technology-heavy NASDAQ outperformed the broad market again in August, while equally-weighted benchmarks continue to lag





All eyes on the earnings surprise

Unless companies reported stellar earnings surprises, equities reacted negatively to announcements as investors focused on cautious guidance



Source: FactSet as of September 1, 2023. Average price change indicates the difference between stock prices two days before and two days after the earnings report.



Non-U.S. Equities

Global equity performance

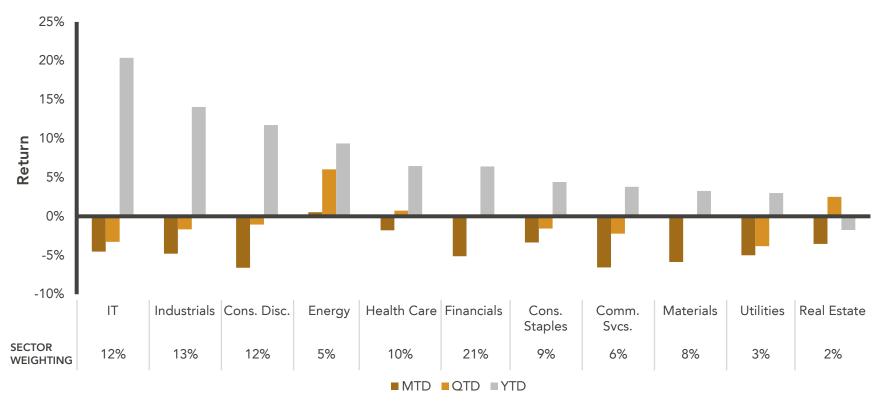
Global equity indices were negative in August; Emerging Markets particularly struggled due to poor performance of Chinese stocks

		MTD (%)	QTD (%)	YTD (%)	1 Yr (%)	3 Yr (%)	5 Yr (%)	10 Yr (%)
Global Equity Market Indices	MSCI ACWI	-2.8	0.8	14.8	14.0	7.2	7.5	8.6
	MSCI ACWI ex-US	-4.5	-0.6	8.8	11.9	4.0	3.3	4.4
Developed Markets Indices	MSCI EAFE	-3.8	-0.7	10.9	17.9	6.1	4.1	4.9
	MSCI EAFE Local	-1.8	-0.2	11.9	14.1	10.8	6.2	7.3
Emerging Markets Indices	MSCI Emerging Markets	-6.2	-0.3	4.6	1.3	-1.4	1.0	3.0
	MSCI EM Local	-4.7	0.4	5.9	2.3	0.6	2.8	5.6
Small-Cap Market Indices	MSCI EAFE Small-Cap	-3.3	1.0	6.5	9.2	2.4	1.5	5.7
	MSCI EM Small-Cap	-1.4	5.1	16.1	13.0	10.8	6.2	5.4
Frontier Markets Index	MSCI Frontier	-0.9	6.0	11.6	0.4	3.3	2.4	3.0



MSCI ACWI ex-US sector performance

The Information Technology space gave up some year-to-date gains in August but still leads the non-U.S. market since the start of 2023

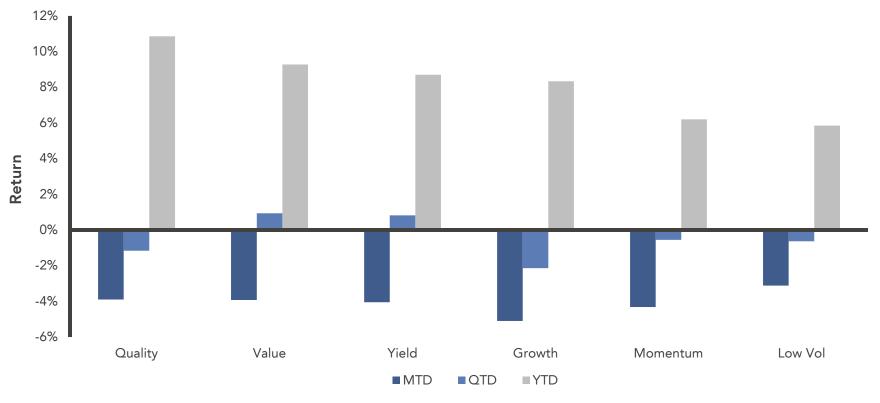


Source: Bloomberg as of August 31, 2023. Sector weightings as of June 30, 2023.



MSCI ACWI ex-US factor performance

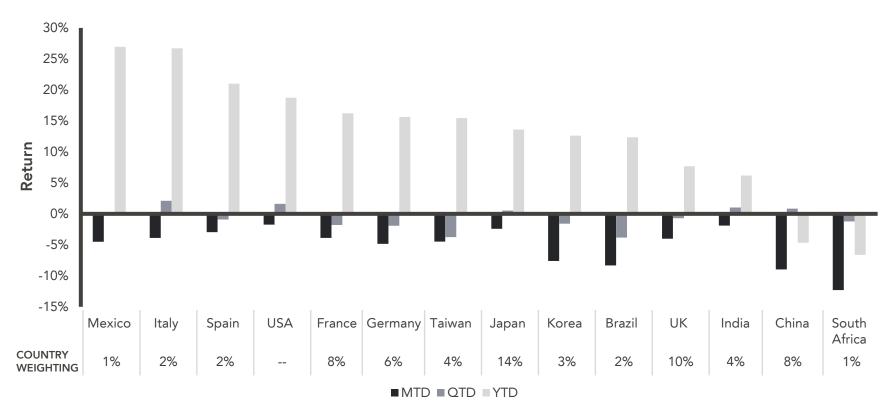
Year-to-date style leadership has been relatively muted within non-U.S. markets with quality outpacing other factors through August





Country performance

Chinese stocks slid in August due to a sputtering economy and worries that another wave of property developer defaults is looming

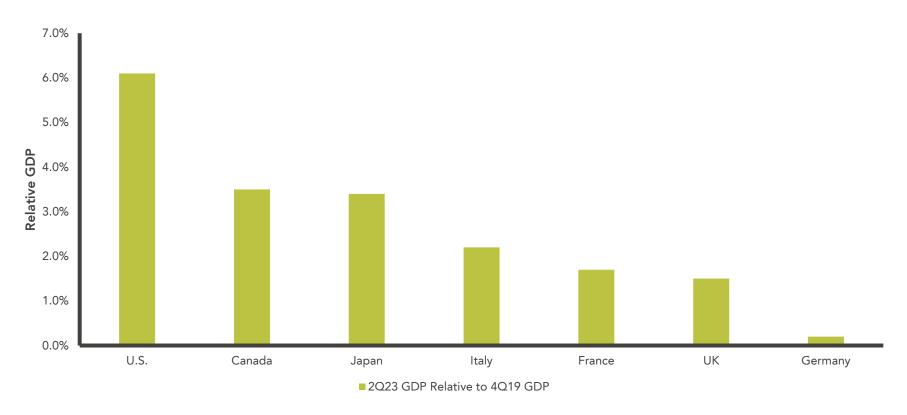


Source: Bloomberg as of August 31, 2023. Returns based on individual MSCI country indices. Country weights based on the MSCI ACWI ex-US Index as of June 30, 2023.



Germany materially lags its G-7 peers

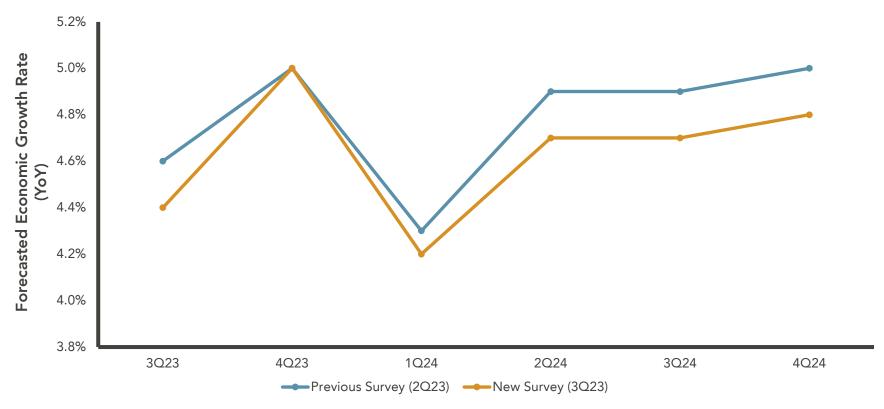
While other major countries have seen growth in the last 3+ years, Germany's economy has just barely returned to pre-pandemic levels





China's economic growth outlook continues to dim

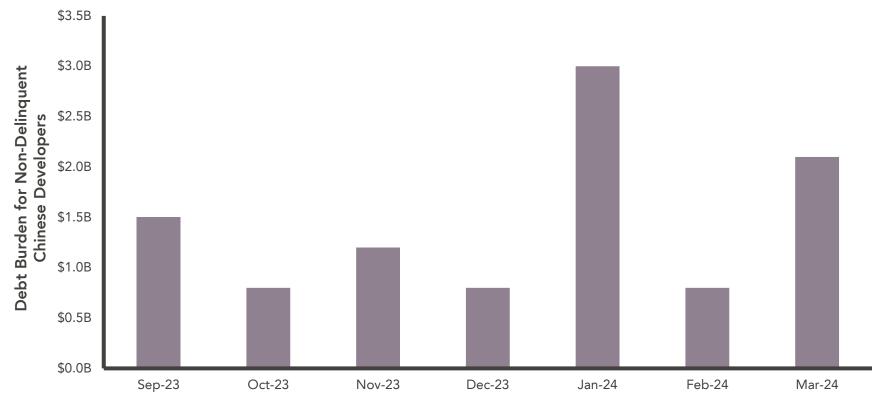
Economists have recently made trims to growth projections for the Chinese economy well into 2024 based on lackluster data





China's private builders face big payment tests

China's housing crisis has engulfed the country's private developers, leading to record waves of defaults and leaving just 16 survivors

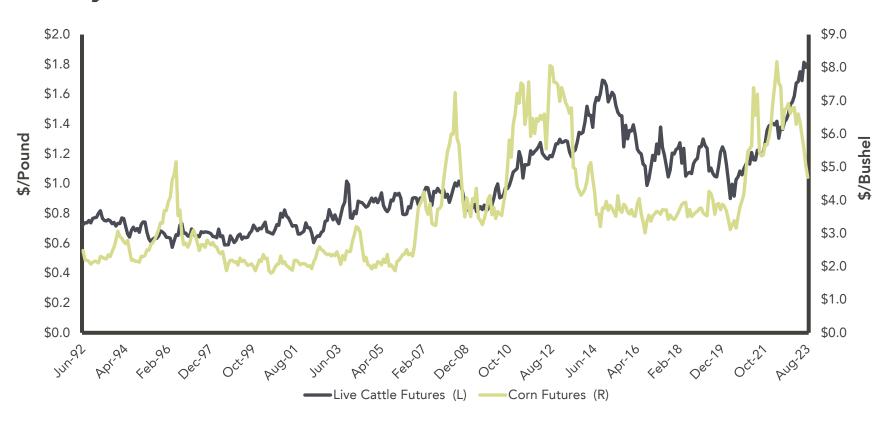




August Charts of the Week

Where's the (affordable) beef?

Higher beef prices could lead to more expensive cookouts this Labor Day weekend

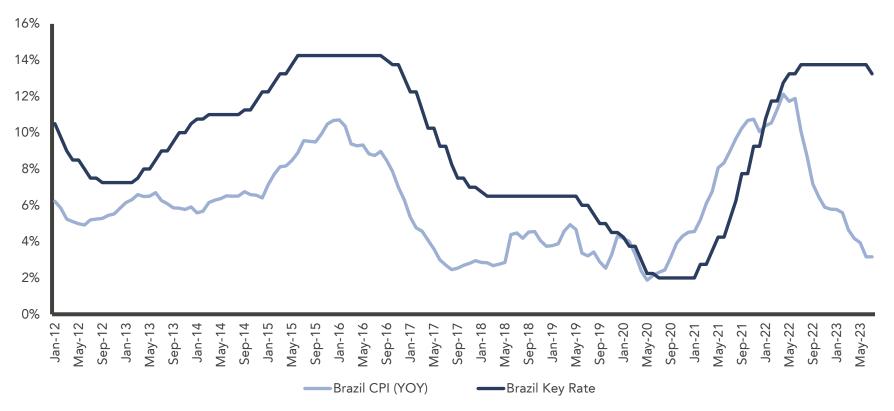


Source: Bloomberg as of August 29, 2023



Brazil eases into the fall

Brazilian officials lowered the country's key rate earlier this month in response to falling inflation

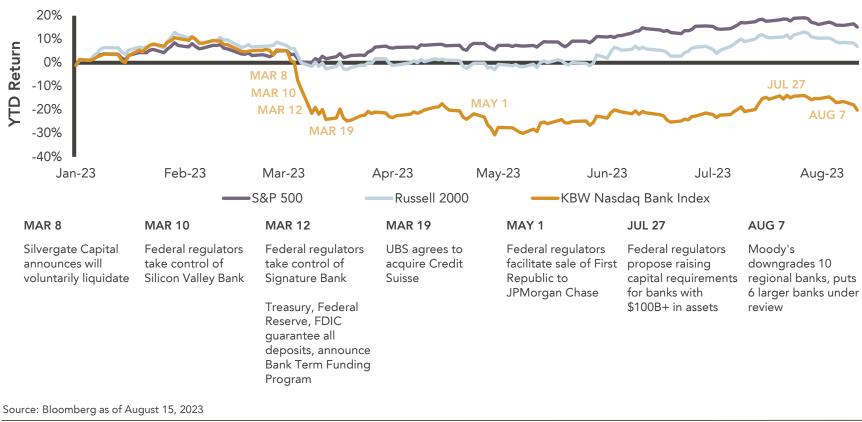


Source: Bloomberg as of August 2, 2023



Revisiting the banking industry

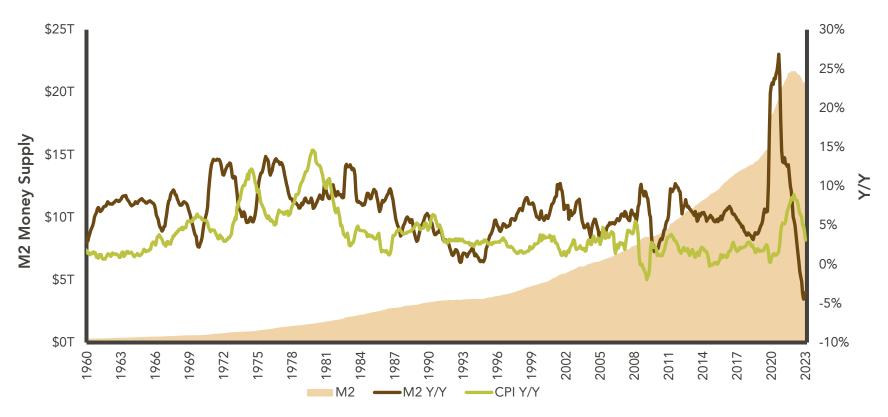
After shrugging off new proposed regulations in July, bank stocks pulled back modestly on the Moody's downgrade news





Honey, I shrunk the money supply

Rapid increases in M2 during the pandemic preceded heightened inflation; M2 has sharply declined since the peak in 2022

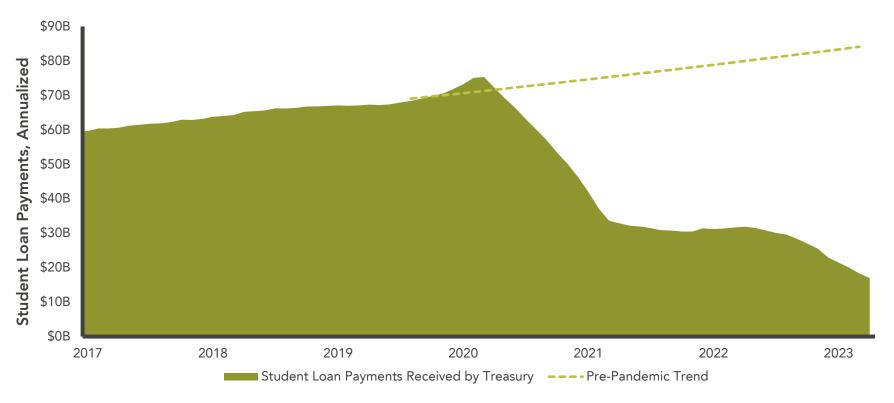


Source: FRED, Federal Reserve Bank of St. Louis as of June 30, 2023



When the bill comes due

Robust consumer spending, which has bolstered the U.S. economy this year, may by impacted by the resumption of student loan payments



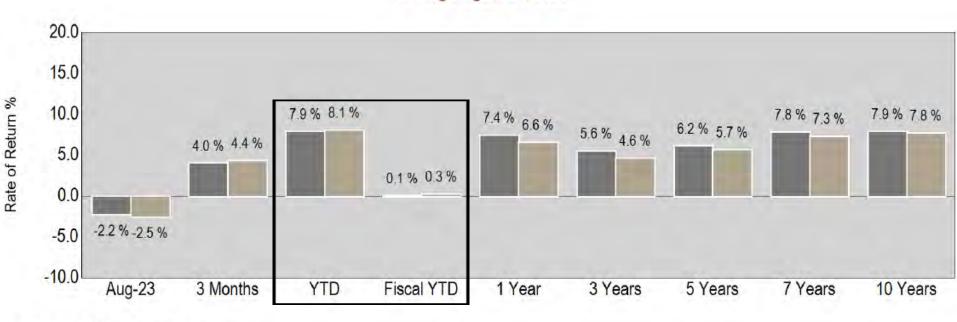
Source: Goldman Sachs, The New York Times as of April 2023



Performance Overview - COAG

COA General Employees' YTD Performance (Net of Fees)

Return Summary Ending August 31, 2023



- Total Fund Composite
 Total Fund Policy Benchmark
 - Emerging Markets Equity composite outperformed its benchmark; Fixed Income composite performed inline with its benchmark
 - Domestic Equity, International Equity, Global Equity and Real Estate composites underperformed their benchmarks

^{*} Year-to-date performance as of August 31, 2023



COA General Employees' Manager Contribution – YTD Performance

Top Performers	Absolute Performance	Benchmark Performance	Strategy
•			
Channing SCV	14.5%	4.9%	U.S. Equity
Artisan	14.5%	10.9%	International Equity
Earnest EM	7.9%	4.6%	Emerging Markets Equity

Bottom Performers	Absolute Performance	Benchmark Performance	Strategy
Legato SCG	8.3%	12.7%	U.S. Equity
Earnest SCC	5.7%	9.0%	U.S. Equity
Hardman Johnston	5.6%	8.8%	International Equity

^{*} Year-to-date performance as of August 31, 2023



COA General Employees' – Manager Excess Performance

Benchmark

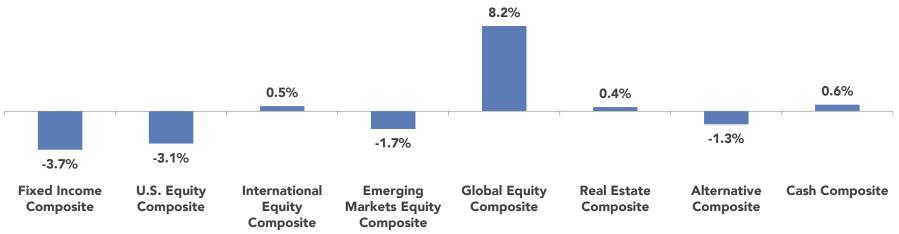
Ending August 31, 2023 3 Mo Perf vs Benchmark 6 Mo Perf vs Benchmark

		Benchmark	3 Mo Pert Vs Benchmark 6 Mo Pert	s Benchmark
Mesirow Bloomberg US Aggregate TR	Total Fund Composite	Total Fund Policy Benchmark	-0.4%	-0.4%
Garcia Hamilton Bloomberg US Aggregate TR	Fixed Income Composite	Bloomberg US Aggregate TR	-0.1%	-0.1%
State Street U.S. Aggregate Bond Index SL Fund Bloomberg US Aggregate TR 0.0% 0.00	Mesirow	Bloomberg US Aggregate TR	0.2%	0.1%
U.S. Equity Composite Russell 3000 4.5% 5.22 Large Cap Composite SAP 500 0.4% 0.00 Union Heritage Large Cap Core SAP 500 0.0% 0.08 Bilackrock SAP 500 Equity Index Fund SAP 500 0.0% 0.00 Mid Cap Composite SAP 400 MidCap 0.0% 0.00 BilackRock MidCap Equity Index SAP 400 MidCap 0.0% 0.00 Small Cap Composite Russell 2000 0.0% 0.00 Small Cap Composite Russell 2000 1.8% 2.23 Chanring Capital Management Russell 2000 4.20 0.0% 0.64 Earnest Partners SCC Russell 2000 0.0% 0.00 Bid Gap City SAP 400 MidCap 0.00 0.0% 0.00 Bridge City Russell 2000 Growth 0.7% 0.64 Essex Russell 2000 Growth 0.7% 0.60 Bridge City Russell 2000 Growth 0.7% 0.00 Russell 2000 Growth 0.35 0.00 Lebenthal Lisanti Russell 2000 Growth 0.0% 0.00 Nicholas Russell 2000 Growth 0.00 Nicholas	Garcia Hamilton	Bloomberg US Aggregate TR	-1.0%	-0.8%
Large Cap Composite	State Street U.S. Aggregate Bond Index SL Fund	Bloomberg US Aggregate TR	0.0%	0.0%
Union Heritage Large Cap Core \$8P 500 -0.8% -0.1% -0	U.S. Equity Composite	Russell 3000	-0.5%	-5.2%
Blackrock S8P 500 Equity Index Fund	Large Cap Composite	S&P 500	-0.4%	0.0%
Mid Cap Composite S&P 400 MidCap 0.0% 0.0% BlackRock McdCap Equity Index S&P 400 MidCap 0.0% 0.0% Small Cap Composite Russell 2000 1.1% 2.3% Channing Capital Management Russell 2000 Value 2.0% 6.4% Earnest Partners SCC Russell 2000 Growth 0.7% 3.5% Legato Russell 2000 Growth 1.7% 8.0% Bridge City Russell 2000 Growth 3.5% 0.4% Lebenthal Lisanti Russell 2000 Growth 3.5% 0.4% Lebenthal Lisanti Russell 2000 Growth 3.5% 0.4% Lebenthal Lisanti Russell 2000 Growth 4.3% 6.60 Nicholas Russell 2000 Growth 9.9% 5.3% International Equity Composite MSCI EAFE 0.5% 0.6% Arisan Partners International Value Fund (APHKX) MSCI EAFE 0.5% 0.6% Hardman Johnston MSCI ACWI ex USA 0.2% 4.11 Brown Capital International Small Cap MSCI ACWI ex US small Cap 2.5% 3.33	Union Heritage Large Cap Core	S&P 500	-0.8%	-0.1%
BlackRock MidCap Equity Index	Blackrock S&P 500 Equity Index Fund	S&P 500	0.0%	0.0%
Small Cap Composite Russell 2000 -1.8% 2.3% Channing Capital Management Russell 2000 Value 2.0% 6.4% Earnest Partners SCC Russell 2000 -3.2% 4.5% Legato Russell 2000 Growth -0.7% 3.6% Essex Russell 2000 Growth -1.7% -0.0% Bridge City Russell 2000 Growth 3.5% -0.4% Lebenthal Lisanti Russell 2000 Growth 4.3% -6.0% Nicholas Russell 2000 Growth 0.9% 5.3% International Equity Composite MSCI EAFE 0.5% 0.6% Artisan Partners International Value Fund (APHKX) MSCI EAFE 1.5% 2.9% Hardman Johnston MSCI ACWI ex USA -0.2% -4.1% Brown Capital International Small Cap MSCI ACWI ex US Small Cap -2.5% 3.3% Eerner ping Markets Equity Composite MSCI Emerging Markets 1.4% 0.9% Global Tactoral ETF 0.3% </td <td>Mid Cap Composite</td> <td>S&P 400 MidCap</td> <td>0.0%</td> <td>0.0%</td>	Mid Cap Composite	S&P 400 MidCap	0.0%	0.0%
Channing Capital Management Russell 2000 Value 2.0% 6.4%	BlackRock MidCap Equity Index	S&P 400 MidCap	0.0%	0.0%
Earnest Partners SCC	Small Cap Composite	Russell 2000	-1.8%	-2.3%
Legato Russell 2000 Growth 0.7% 3.66 Essex Russell 2000 Growth -1.7% 8.05 Bridge City Russell 2000 Growth 3.5% 0.44 Lebenthal Lisanti Russell 2000 Growth 4.3% 6.00 Nicholas Russell 2000 Growth 0.9% 5.3% International Equity Composite MSCI EAFE 0.5% 0.68 Artisan Partners International Value Fund (APHKX) MSCI EAFE 1.5% 2.9% Hardman Johnston MSCI ACWI ex USA -0.2% 4.1% Brown Capital International Small Cap MSCI ACWI ex US Small Cap -2.5% 3.3 Emerging Markets Equity Composite MSCI Emerging Markets 1.4% -0.1% Earnest Partners EM MSCI Emerging Markets 2.4% 0.9% Goldman Sachs Emerging Markets Equity MSCI Emerging Markets -0.9% -2.7% Global Equity Composite MSCI ACWI -0.9% -2.7% Global Tactical ETF Global Benchmark -0.5% 0.8 BlackRock MSCI ACWI Min Volatility Index 0.1% <t< td=""><td>Channing Capital Management</td><td>Russell 2000 Value</td><td>2.0%</td><td>6.4%</td></t<>	Channing Capital Management	Russell 2000 Value	2.0%	6.4%
Essex Russell 2000 Growth -1.7% -8.00	Earnest Partners SCC	Russell 2000	-3.2%	-4.5%
Bridge City Russell 2000 Growth 3.5% -0.4% Lebenthal Lisanti Russell 2000 Growth -4.3% -6.0% Nicholas Russell 2000 Growth 0.9% 5.3% International Equity Composite MSCI EAFE 0.5% -0.6% Artisan Partners International Value Fund (APHKX) MSCI EAFE 1.5% 2.99 Hardman Johnston MSCI ACWI ex USA -0.2% 4.1% Brown Capital International Small Cap MSCI ACWI ex US Small Cap -2.5% 3.3% Emerging Markets Equity Composite MSCI Emerging Markets 1.4% -0.1* Earnest Partners EM MSCI Emerging Markets 2.4% 0.9% Goldman Sachs Emerging Markets Equity MSCI Emerging Markets 2.4% 0.9% Global Equity Composite MSCI ACWI -2.9% 3.5* Global Tactical ETF Globalt Benchmark -0.5% 0.8% BlackRock MSCI ACWI Min Volatility Index MSCI ACWI Minimum Volatility Index 0.1% 0.3% Intercontinental U.S. Real Estate NFI-ODCE -5.3% -5.9% JP Morg	Legato	Russell 2000 Growth	-0.7%	-3.6%
Lebenthal Lisanti	Essex	Russell 2000 Growth	-1.7%	-8.0%
Nicholas Russell 2000 Growth 0.9% 5.33 International Equity Composite MSCI EAFE 0.5% -0.6% Artisan Partners International Value Fund (APHKX) MSCI EAFE 1.5% 2.9% Hardman Johnston MSCI ACWI ex USA -0.2% 4.1% Brown Capital International Small Cap MSCI ACWI ex US Small Cap -2.5% 3.3% Emerging Markets Equity Composite MSCI Emerging Markets 1.4% -0.1% Earnest Partners EM MSCI Emerging Markets 2.4% 0.9% Goldman Sachs Emerging Markets Equity MSCI Emerging Markets 2.4% 0.9% Global Equity Composite MSCI ACWI -0.9% -2.7% Global Tactical ETF Globalt Benchmark -0.5% -3.5% Global Tactical ETF Globalt Benchmark -0.5% 0.3% Real Estate Composite MSCI ACWI Minimum Volatility Index 0.1% 0.3% Real Estate Composite NFI-ODCE -3.5% 4.0% JP Morgan U.S. Real Estate NFI-ODCE -5.3% -5.9% Alternative Composite	Bridge City	Russell 2000 Growth	3.5%	-0.4%
International Equity Composite MSCI EAFE 0.5% -0.68 Artisan Partners International Value Fund (APHKX) MSCI EAFE 1.5% 2.9% Hardman Johnston MSCI ACWI ex USA -0.2% -4.1% Brown Capital International Small Cap MSCI ACWI ex US Small Cap -2.5% 3.3% Emerging Markets Equity Composite MSCI Emerging Markets 1.4% -0.11 Earnest Partners EM MSCI Emerging Markets 2.4% 0.9% Goldman Sachs Emerging Markets Equity MSCI Emerging Markets -0.9% -2.7% Global Equity Composite MSCI ACWI -2.9% -3.5% Global Tactical ETF Globalt Benchmark -0.5% 0.3% BlackRock MSCI ACWI Min Volatility Index MSCI ACWI Minimum Volatility Index 0.1% 0.3% Real Estate Composite NFI-ODCE -3.5% -5.9% Intercontinental U.S. Real Estate NFI-ODCE -5.3% -5.9% JP Morgan U.S. Real Estate NFI-ODCE 0.4% 0.4% Alternative Composite Custom Alternative Target Benchmark -6.1% -8.9% <td>Lebenthal Lisanti</td> <td>Russell 2000 Growth</td> <td>-4.3%</td> <td>-6.0%</td>	Lebenthal Lisanti	Russell 2000 Growth	-4.3%	-6.0%
Artisan Partners International Value Fund (APHKX) MSCI EAFE 1.5% 2.9% Hardman Johnston MSCI ACWI ex USA -0.2% 4.1% Brown Capital International Small Cap MSCI ACWI ex US Small Cap -2.5% 3.3% Emerging Markets Equity Composite MSCI Emerging Markets 1.4% -0.1% Earnest Partners EM MSCI Emerging Markets 2.4% 0.9% Goldman Sachs Emerging Markets Equity MSCI Emerging Markets -0.9% -2.7% Global Equity Composite MSCI ACWI -2.9% -3.5% Globalt Tactical ETF Globalt Benchmark -0.5% 0.8% BlackRock MSCI ACWI Min Volatility Index MSCI ACWI Minimum Volatility Index 0.1% 0.3% Real Estate Composite NFI-ODCE -3.5% -4.0% Intercontinental U.S. Real Estate NFI-ODCE -5.3% -5.9% JP Morgan U.S. Real Estate NFI-ODCE 0.4% 0.4% Alternative Composite Custom Alternative Target Benchmark -6.1% -8.9%	Nicholas	Russell 2000 Growth	0.9%	5.3%
Hardman Johnston MSCI ACWI ex USA -0.2% -4.1% Brown Capital International Small Cap MSCI ACWI ex US Small Cap -2.5% 3.3 Emerging Markets Equity Composite MSCI Emerging Markets 1.4% -0.1% Earnest Partners EM MSCI Emerging Markets 2.4% 0.9% Goldman Sachs Emerging Markets Equity MSCI Emerging Markets -0.9% -2.7% Global Equity Composite MSCI ACWI -2.9% -3.5% Globalt Tactical ETF Globalt Benchmark -0.5% 0.8% BlackRock MSCI ACWI Min Volatility Index MSCI ACWI Minimum Volatility Index 0.1% 0.3% Real Estate Composite NFI-ODCE -3.5% -4.0% Intercontinental U.S. Real Estate NFI-ODCE -5.3% -5.9% JP Morgan U.S. Real Estate NFI-ODCE 0.4% 0.4% Alternative Composite Custom Alternative Target Benchmark -6.1% -8.9%	International Equity Composite	MSCIEAFE	0.5%	-0.6%
Brown Capital International Small Cap MSCI ACWI ex US Small Cap -2.5% 3.33 Emerging Markets Equity Composite MSCI Emerging Markets 1.4% -0.15 Earnest Partners EM MSCI Emerging Markets 2.4% 0.9% Goldman Sachs Emerging Markets Equity MSCI Emerging Markets -0.9% -2.79 Global Equity Composite MSCI ACWI -2.9% -3.5% Globalt Tactical ETF Globalt Benchmark -0.5% 0.8% BlackRock MSCI ACWI Min Volatility Index MSCI ACWI Minimum Volatility Index 0.1% 0.3% Real Estate Composite NFI-ODCE -3.5% -4.0% Intercontinental U.S. Real Estate NFI-ODCE -5.3% -5.9% JP Morgan U.S. Real Estate NFI-ODCE 0.4% 0.4% Alternative Composite Custom Alternative Target Benchmark -6.1% -8.9%	Artisan Partners International Value Fund (APHKX)	MSCI EAFE	1.5%	2.9%
Emerging Markets Equity Composite MSCI Emerging Markets 1.4% -0.1% Earnest Partners EM MSCI Emerging Markets 2.4% 0.9% Goldman Sachs Emerging Markets Equity MSCI Emerging Markets -0.9% -2.7% Global Equity Composite MSCI ACWI -2.9% -3.5% Globalt Tactical ETF Globalt Benchmark -0.5% 0.8% BlackRock MSCI ACWI Min Volatility Index MSCI ACWI Minimum Volatility Index 0.1% 0.3% Real Estate Composite NFI-ODCE -3.5% -4.0% Intercontinental U.S. Real Estate NFI-ODCE -5.3% -5.9% JP Morgan U.S. Real Estate NFI-ODCE 0.4% 0.4% Alternative Composite Custom Alternative Target Benchmark -6.1% -8.9%	Hardman Johnston	MSCI ACWI ex USA	-0.2%	-4.1%
Earnest Partners EM MSCI Emerging Markets 2.4% 0.9% Goldman Sachs Emerging Markets Equity MSCI Emerging Markets -0.9% -2.7% Global Equity Composite MSCI ACWI -2.9% -3.5% Globalt Tactical ETF Globalt Benchmark -0.5% 0.8% BlackRock MSCI ACWI Min Volatility Index MSCI ACWI Minimum Volatility Index 0.1% 0.3% Real Estate Composite NFI-ODCE -3.5% -4.0% Intercontinental U.S. Real Estate NFI-ODCE -5.3% -5.9% JP Morgan U.S. Real Estate NFI-ODCE 0.4% 0.4% Alternative Composite Custom Alternative Target Benchmark -6.1% -8.9%	Brown Capital International Small Cap	MSCI ACWI ex US Small Cap	-2.5%	3.3%
Goldman Sachs Emerging Markets Equity MSCI Emerging Markets -0.9% -2.7% Global Equity Composite MSCI ACWI -2.9% -3.5% Globalt Tactical ETF Globalt Benchmark -0.5% 0.8% BlackRock MSCI ACWI Min Volatility Index 0.1% 0.3% Real Estate Composite NFI-ODCE -3.5% -4.0% Intercontinental U.S. Real Estate NFI-ODCE -5.3% -5.9% JP Morgan U.S. Real Estate NFI-ODCE 0.4% 0.4% Alternative Composite Custom Alternative Target Benchmark -6.1% -8.9%	Emerging Markets Equity Composite	MSCI Emerging Markets	1.4%	-0.1%
Global Equity Composite MSCI ACWI -2.9% -3.5% Globalt Tactical ETF Globalt Benchmark -0.5% 0.8% BlackRock MSCI ACWI Min Volatility Index 0.1% 0.3% Real Estate Composite NFI-ODCE -3.5% -4.0% Intercontinental U.S. Real Estate NFI-ODCE -5.3% -5.9% JP Morgan U.S. Real Estate NFI-ODCE 0.4% 0.4% Alternative Composite Custom Alternative Target Benchmark -6.1% -8.9%	Earnest Partners EM	MSCI Emerging Markets	2.4%	0.9%
Globalt Tactical ETF Globalt Benchmark -0.5% 0.89 BlackRock MSCI ACWI Min Volatility Index MSCI ACWI Minimum Volatility Index 0.1% 0.39 Real Estate Composite NFI-ODCE -3.5% -4.0% Intercontinental U.S. Real Estate NFI-ODCE -5.3% -5.9% JP Morgan U.S. Real Estate NFI-ODCE 0.4% 0.4% Alternative Composite Custom Alternative Target Benchmark -6.1% -8.9%	Goldman Sachs Emerging Markets Equity	MSCI Emerging Markets	-0.9%	-2.7%
BlackRock MSCI ACWI Min Volatility Index MSCI ACWI Minimum Volatility Index 0.1% 0.3% Real Estate Composite NFI-ODCE -3.5% -4.0% Intercontinental U.S. Real Estate NFI-ODCE -5.3% -5.9% JP Morgan U.S. Real Estate NFI-ODCE 0.4% 0.4% Alternative Composite Custom Alternative Target Benchmark -6.1% -8.9%	Global Equity Composite	MSCI ACWI	-2.9%	-3.5%
Real Estate Composite NFI-ODCE -3.5% -4.0% Intercontinental U.S. Real Estate NFI-ODCE -5.3% -5.9% JP Morgan U.S. Real Estate NFI-ODCE 0.4% 0.4% Alternative Composite Custom Alternative Target Benchmark -6.1% -8.9%	Globalt Tactical ETF	Globalt Benchmark	-0.5%	0.8%
Intercontinental U.S. Real Estate NFI-ODCE -5.3% -5.9% JP Morgan U.S. Real Estate NFI-ODCE 0.4% 0.4% Alternative Composite Custom Alternative Target Benchmark -6.1% -8.9%	BlackRock MSCI ACWI Min Volatility Index	MSCI ACWI Minimum Volatility Index	0.1%	0.3%
JP Morgan U.S. Real Estate NFI-ODCE 0.4% 0.49 Alternative Composite Custom Alternative Target Benchmark -6.1% -8.99	Real Estate Composite	NFI-ODCE	-3.5%	-4.0%
Alternative Composite Custom Alternative Target Benchmark -6.1% -8.99	Intercontinental U.S. Real Estate	NFI-ODCE	-5.3%	-5.9%
•	JP Morgan U.S. Real Estate	NFI-ODCE	0.4%	0.4%
Consequent Alternative Partners II, LP Consequent Alt BM 0.0% 0.09	Alternative Composite	Custom Alternative Target Benchmark	-6.1%	-8.9%
	Consequent Alternative Partners II, LP	Consequent Alt BM	0.0%	0.0%



COA General Employees' Asset Allocation vs Target Allocation





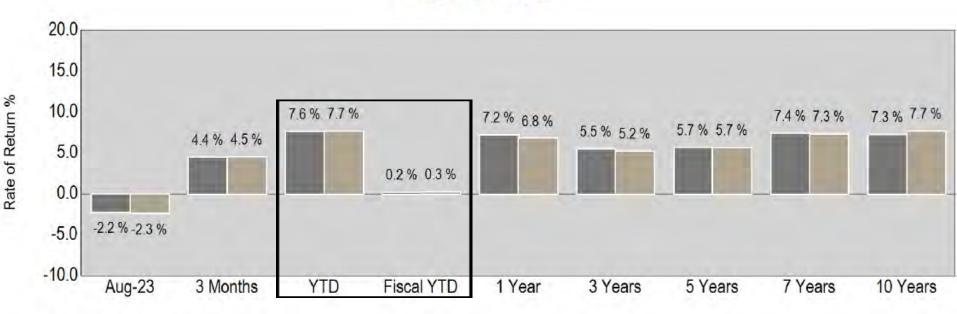
^{*} Year-to-date performance and allocation as of August 31, 2023



Performance Overview - COAP

COA Police Officers' YTD Performance (Net of Fees)

Return Summary Ending August 31, 2023



- Total Fund Composite
 Total Fund Policy Benchmark
 - International Equity composite slightly outperformed its benchmark; passive strategies performed in-line with benchmarks
 - Fixed Income and Domestic Equity composites along with Real Estate underperformed their benchmarks

^{*} Year-to-date performance as of August 31, 2023



COA Police Officers' Manager Contribution – YTD Performance

Top Performers	Absolute Performance	Benchmark Performance	Strategy
Driehaus SCG	16.4%	12.7%	U.S. Equity
Artisan	14.5%	10.9%	International Equity
Brown SC	10.9%	9.1%	International Equity
Brown 3C	10.7 /0	7.1/0	international Equity

Bottom Performers	Absolute Performance	Benchmark Performance	Strategy
Hardman Johnston	5.6%	8.8%	International Equity
Earnest SCC	6.5%	9.0%	U.S. Equity
Macquarie SCC	6.9%	9.0%	U.S. Equity

^{*} Year-to-date performance as of August 31, 2023

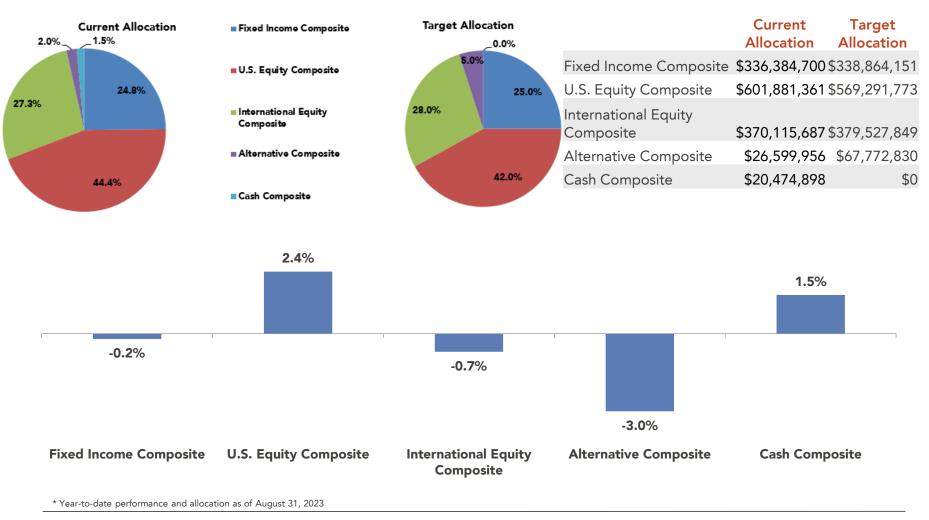


COA Police Officers' – Manager Excess Performance

	Benchmark	3 Mo Perf vs Benchmark 6 Mo Perf	vs Benchmark
Total Fund Composite	Total Fund Policy Benchmark	-0.1%	-0.2%
Fixed Income Composite	Fixed Income Composite Blended Benchmark	-0.2%	-0.2%
Mesirow	Bloomberg US Aggregate TR	0.1%	0.0%
Garcia Hamilton	Bloomberg US Govt/Credit Int TR	-0.7%	-0.8%
BlackRock U.S.Aggregate Bond Index	Bloomberg US Aggregate TR	0.1%	0.0%
U.S. Equity Composite	Domestic Equity Composite Blended Benchmark	-0.1%	-0.1%
BlackRock Russell 1000 Index Fund	Russell 1000	0.0%	0.1%
BlackRock Mid Cap Equity Index Fund	S&P 400 MidCap	0.0%	0.0%
Macquarie SCC	Russell 2000	-0.6%	-1.0%
Earnest Partners SCC	Russell 2000	-2.5%	-3.7%
Driehaus SCG	Russell 2000 Growth	3.5%	6.0%
International Equity Composite	International Equity Composite Blended Benchmark	0.2%	0.0%
Artisan International Large Cap Value (APHKX)	MSCI EAFE	1.5%	2.9%
Hardman Johnston	MSCI ACWI ex USA	-0.2%	-4.1%
BlackRock MSCI EAFE Small Cap Index	MSCI EAFE Small Cap	0.1%	0.4%
Brown Capital International Small Cap	MSCI ACWI ex US Small Cap	-2.5%	3.3%
BlackRock Emerging Markets Free Fund	MSCI Emerging Markets	-0.1%	0.0%
Goldman Sachs Emerging Markets Equity	MSCI Emerging Markets	-0.9%	-2.7%
BlackRock MSCI ACWI Min Volatility Index	MSCI ACWI Minimum Volatility Index	0.1%	0.3%
Alternative Composite	Alternatives Custom Benchmark	-4.0%	-4.1%
Intercontinental U.S. Real Estate	NFI-ODCE	-5.3%	-5.9%
Consequent Alternative Partners II, LP	Custom Consequent Alt BM	0.0%	0.0%
Pharos Capital Partners III	Cambridge Associates All PE	-10.3%	-7.6%



COA Police Officers' Asset Allocation vs Target Allocation

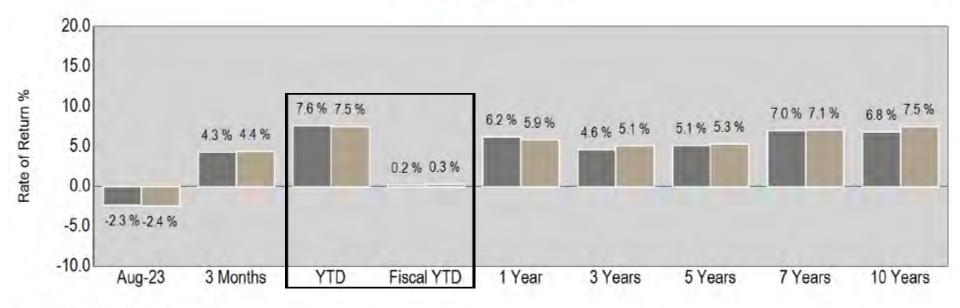




Performance Overview - COAF

COA Firefighters' YTD Performance (Net of Fees)

Return Summary Ending August 31, 2023



- Total Fund Composite
 Total Fund Policy Benchmark
 - International Equity composite outperformed its benchmark; Passive strategies performed in-line with their benchmarks
 - Fixed Income composite, Domestic Equity composite and Real Estate underperformed their benchmarks

* Year-to-date performance as of August 31, 2023



COA Firefighters' Manager Contribution – YTD Performance

Top Porformore	Absolute Performance	Benchmark Performance	Stratogy
Top Performers	renormance	remormance	Strategy
Ativo	13.8%	8.8%	International Equity
Driehaus SCG	16.4%	12.7%	U.S. Equity
Brown SC	10.9%	9.1%	International Equity

Bottom Performers	Absolute Performance	Benchmark Performance	Strategy
Earnest SCC	6.5%	9.0%	U.S. Equity
Hardman Johnston	5.5%	8.8%	International Equity

^{*} Year-to-date performance as of August 31, 2023

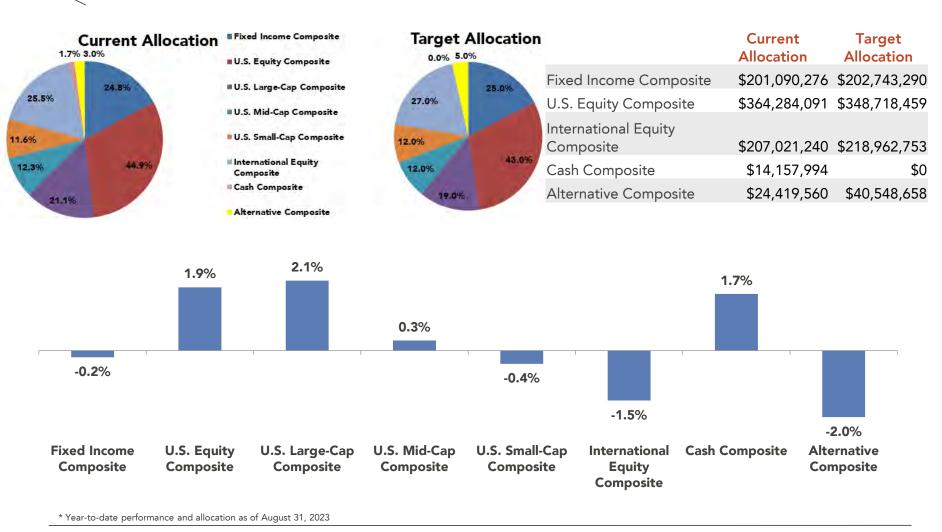


COA Firefighters' – Manager Excess Performance

	Benchmark	3 Mo Perf vs Benchmark 6 Mo Perf	vs Benchmark
Total Fund Composite	Total Fund Policy Benchmark	-0.1%	-0.1%
Fixed Income Composite	Fixed Income Composite Custom Benchmark	-0.2%	-0.2%
Garcia Hamilton	Bloomberg US Aggregate TR	-0.9%	-0.7%
Mesirow	Bloomberg US Aggregate TR	0.1%	0.1%
U.S. Equity Composite	Russell 3000	0.5%	-5.7%
Large Cap Composite	Russell 1000	0.0%	0.1%
BlackRock 1000 Index Fund	Russell 1000	0.0%	0.1%
Mid Cap Composite	S&P 400 MidCap	0.0%	0.0%
BlackRock Mid Cap Equity Index Fund	S&P 400 MidCap	0.0%	0.0%
Small Cap Composite	Russell 2000	-0.6%	0.6%
Northern Trust Collective Russell 2000 Index	Russell 2000	0.0%	0.0%
Earnest SCC	Russell 2000	-2.5%	-3.8%
Driehaus SCG	Russell 2000 Growth	3.5%	6.0%
International Equity Composite	International Equity Composite Custom Benchmark	0.3%	0.6%
Ativo Capital	MSCI ACWI ex USA	2.6%	3.7%
Hardman Johnston	MSCI ACWI ex USA	-0.3%	-4.2%
BlackRock MSCI EAFE Small Cap	MSCI EAFE Small Cap	0.1%	0.4%
Brown Capital International Small Cap	MSCI ACWI ex US Small Cap	-2.5%	3.3%
BlackRock Emerging Markets Free Fund	MSCI Emerging Markets	-0.1%	0.0%
Goldman Sachs Emerging Markets Equity	MSCI Emerging Markets	-0.9%	-2.7%
BlackRock MSCI ACWI Min Volatility Index	MSCI ACWI Minimum Volatility Index	0.1%	0.3%
Alternative Composite	Alternatives Custom Benchmark		-
Intercontinental U.S. Real Estate	NFI-ODCE	-5.3%	-5.9%
Consequent Alternative Partners II, L.P.	Consequent Alt BM	0.0%	0.0%



COA Firefighters' Asset Allocation vs Target Allocation





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

Periodic table benchmarks

Core Bond	Bloomberg Aggregate
High Yield	Bloomberg High Yield
Bank Loans	CS Leverage Loan
Broad U.S. Equities	Russell 3000
Large Cap	S&P 500
Mid Cap	Russell Mid Cap
Small Cap	Russell 2000
Broad Intl Equities	ACWI ex-U.S.
Intl Large Cap	EAFE
Intl Small Cap	EAFE Small Cap
Emerging Markets	MSCI EM
Commodities	S&P GSCI



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(Preliminary, Subject to Change)



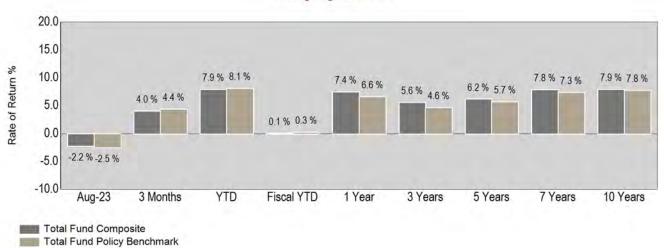
Pension Fund

City of Atlanta General Employees
Pension Fund
Executive Summary
August 31, 2023

Total Fund Composite

Market Value: \$1,705.2 Million and 100.0% of Fund

Return Summary Ending August 31, 2023



Return Summary YTD

	Total Return
Total Fund Composite	7.9%
Fixed Income Composite	1.3%
U.S. Equity Composite	13.5%
Large Cap Composite	17.4%
Mid Cap Composite	10.1%
Small Cap Composite	7.9%
International Equity Composite	10.0%
Emerging Markets Equity Composite	6.7%
Global Equity Composite	7.9%
Real Estate Composite	-7.9%
Alternative Composite	-0.3%

Asset Allocation vs. Target

	Current	Current	Policy	Difference	%
Fixed Income	\$363,033,825	21.3%	25.0%	-\$63,275,599	-3.7%
U.S. Equity	\$664,139,335	38.9%	42.0%	-\$52,060,498	-3.1%
Non-U.S. Equity	\$493,876,790	29.0%	28.0%	\$16,410,234	1.0%
Real Assets	\$58,310,870	3.4%	3.0%	\$7,153,739	0.4%
Private Equity	\$11,906,243	0.7%	2.0%	-\$22,198,511	-1.3%
Other	\$113,970,634	6.7%		\$113,970,634	6.7%
Total	\$1,705,237,697	100.0%	100.0%		

Summary of Cash Flows

	Last Three Months	Year-To-Date	One Year
Beginning Market Value	\$1,666,200,558	\$1,626,412,708	\$1,656,039,063
Net Cash Flow	-\$29,444,079	-\$51,615,362	-\$75,173,074
Net Investment Change	\$68,481,219	\$130,440,352	\$124,371,709
Ending Market Value	\$1,705,237,697	\$1,705,237,697	\$1,705,237,697

Total Fund Composite

Market Value: \$1,705.2 Million and 100.0% of Fund

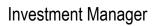
	Asset Class	Market Value (\$)	3 Mo Net Cash Flows (\$)	% of Portfolio	Policy %	Policy Difference (\$)
Total Fund Composite		1,705,237,697	-29,444,079	100.0	100.0	0
Fixed Income Composite		363,033,825	-487	21.3	25.0	-63,275,599
Mesirow	Core Fixed Income	205,928,443	-1,035	12.1		
Garcia Hamilton	Core Fixed Income	73,491,380	548	4.3		
State Street U.S. Aggregate Bond Index SL Fund	Core Fixed Income	83,614,003	0	4.9		
U.S. Equity Composite		664,139,335	-10,102,466	38.9	42.0	-52,060,498
Large Cap Composite		385,927,714	-2,290	22.6	18.0	78,984,928
Union Heritage Large Cap Core	Large-Cap Core	191,827,108	-2,290	11.2		
Blackrock S&P 500 Equity Index Fund	Large-Cap Core	194,100,606	0	11.4		
Mid Cap Composite		88,516,198	0	5.2	12.0	-116,112,325
BlackRock MidCap Equity Index	Mid-Cap Core	88,516,198	0	5.2		
Small Cap Composite		189,695,422	-10,100,176	11.1	12.0	-14,933,101
Channing Capital Management	Small-Cap Value	40,702,816	-350	2.4		
Earnest Partners SCC	Small-Cap Core	115,269,954	-1,064	6.8		
Legato		33,722,653	-10,132,485	2.0		33,722,653
Essex	Small-Cap Growth	9,789,569	-2,461,873	0.6		
Bridge City	Small-Cap Growth	10,295,232	-2,958,312	0.6		
Lebenthal Lisanti	Small-Cap Growth	6,777,091	-4,678,514	0.4		
Nicholas	Smid-Cap Growth	6,860,761	-63	0.4		
International Equity Composite		230,378,415	-3,000,000	13.5	13.0	8,697,514
Artisan Partners International Value Fund (APHKX)	Non-U.S. Large-Cap Value	101,282,782	-3,000,000	5.9		
Hardman Johnston	Non-U.S. Large-Cap Core	105,465,677	0	6.2		
Brown Capital International Small Cap	Non-U.S. Small-Cap Core	23,629,956	0	1.4		
Emerging Markets Equity Composite		107,403,729	0	6.3	8.0	-29,015,287
Earnest Partners EM	Emerging Markets	76,839,213	0	4.5		
Goldman Sachs Emerging Markets Equity	Emerging Markets	30,564,516	0	1.8		
Global Equity Composite		259,396,230	-4,608	15.2	7.0	140,029,591
Globalt Tactical ETF	Global Balanced	156,094,646	-4,608	9.2		
BlackRock MSCI ACWI Min Volatility Index	Global Low-Volatility	103,301,584	0	6.1		
Real Estate Composite		58,310,870	-272,210	3.4	3.0	7,153,739
Intercontinental U.S. Real Estate	Core Real Estate	39,793,504	-68,121	2.3		
JP Morgan U.S. Real Estate	Core Plus Real Estate	18,517,366	-204,089	1.1		



Total Fund Composite

Market Value: \$1,705.2 Million and 100.0% of Fund

	Asset Class	Market Value (\$)	3 Mo Net Cash Flows (\$)	% of Portfolio	Policy %	Policy Difference (\$)
Alternative Composite		11,906,243	-1,365,854	0.7	2.0	-22,198,511
Consequent Alternative Partners II, LP	U.S. Private Equity FoF	11,906,243	-1,365,854	0.7		
Cash Composite		10,669,050	-14,698,454	0.6	0.0	10,669,050
Cash	Cash & Equivalents	719,382	-17,484,129	0.0		
SEC Lending	Cash & Equivalents	0	0	0.0		
NT Operating	Cash & Equivalents	9,949,668	2,785,675	0.6		



Annualized Performance (Net of Fees)

Market Value: \$1,705.2 Million and 100.0% of Fund

	1 Mo	3 Mo	YTD	Fiscal YTD	1 Yr	2 Yrs	3 Yrs	5 Yrs	7 Yrs	10 Yrs	Inception	Inception Date
Total Fund Composite	-2.2%	4.0%	7.9%	0.1%	7.4%	-3.0%	5.6%	6.2%	7.8%	7.9%	7.4%	Jan-97
Total Fund Policy Benchmark	-2.5%	4.4%	8.1%	0.3%	6.6%	-3.5%	4.6%	5.7%	7.3%	7.8%	7.3%	Jan-97
Fixed Income Composite	-0.7%	-1.2%	1.3%	-0.8%	-1.2%	-6.3%	-4.3%	0.5%	0.4%	1.4%	5.1%	Apr-88
Bloomberg US Aggregate TR	-0.6%	-1.1%	1.4%	-0.7%	-1.2%	-6.5%	-4.4%	0.5%	0.3%	1.5%	5.3%	Apr-88
Mesirow	-0.6%	-0.9%	1.3%	-0.7%	-0.9%	-6.4%	-4.3%	0.6%	0.4%	1.6%	3.4%	Jun-06
Bloomberg US Aggregate TR	-0.6%	-1.1%	1.4%	-0.7%	-1.2%	-6.5%	-4.4%	0.5%	0.3%	1.5%	3.1%	Jun-06
Garcia Hamilton	-1.0%	-2.1%	0.9%	-1.5%	-1.8%	-5.7%	-4.1%	0.4%			0.9%	Nov-16
Bloomberg US Aggregate TR	-0.6%	-1.1%	1.4%	-0.7%	-1.2%	-6.5%	-4.4%	0.5%	0.3%	1.5%	0.8%	Nov-16
State Street U.S. Aggregate Bond Index SL Fund	-0.6%	-1.1%	1.6%	-0.7%	-1.2%	-6.5%	-4.4%	0.5%	0.3%		0.9%	Sep-15
Bloomberg US Aggregate TR	-0.6%	-1.1%	1.4%	-0.7%	-1.2%	-6.5%	-4.4%	0.5%	0.3%	1.5%	0.9%	Sep-15
U.S. Equity Composite	-2.2%	8.0%	13.5%	0.9%	12.4%	-0.6%	10.2%	9.2%	11.9%	11.7%	9.0%	Dec-99
Russell 3000	-1.9%	8.5%	18.0%	1.6%	14.8%	-0.2%	9.8%	10.2%	12.4%	12.2%	7.0%	Dec-99
Large Cap Composite	-0.7%	7.9%	17.4%	1.4%	17.7%	3.1%	10.8%	11.6%	13.6%	13.3%	9.8%	Jan-97
S&P 500	-1.6%	8.3%	18.7%	1.6%	15.9%	1.5%	10.5%	11.1%	13.0%	12.8%	8.8%	Jan-97
Union Heritage Large Cap Core	0.1%	7.5%	16.1%	1.2%	19.6%	4.9%	10.6%	12.1%	14.6%	14.0%	11.5%	Dec-94
S&P 500	-1.6%	8.3%	18.7%	1.6%	15.9%	1.5%	10.5%	11.1%	13.0%	12.8%	10.4%	Dec-94
Blackrock S&P 500 Equity Index Fund	-1.6%	8.3%	18.7%	1.6%	15.9%	1.4%	10.5%	11.1%	13.0%		13.5%	Sep-15
S&P 500	-1.6%	8.3%	18.7%	1.6%	15.9%	1.5%	10.5%	11.1%	13.0%	12.8%	13.5%	Sep-15
Mid Cap Composite	-2.9%	10.4%	10.1%	1.1%	10.8%	-0.4%	12.9%	6.4%	9.2%	9.3%	8.1%	Oct-95
S&P 400 MidCap	-2.9%	10.4%	10.1%	1.1%	10.7%	-0.4%	12.8%	7.0%	9.5%	10.1%	11.1%	Oct-95
BlackRock MidCap Equity Index	-2.9%	10.4%	10.1%	1.1%	10.8%	-0.4%	12.9%				21.2%	Mar-20
S&P 400 MidCap	-2.9%	10.4%	10.1%	1.1%	10.7%	-0.4%	12.8%	7.0%	9.5%	10.1%	21.2%	Mar-20
Small Cap Composite	-4.5%	7.2%	7.9%	-0.1%	4.1%	-6.4%	10.3%	5.8%	9.9%	9.7%	9.8%	Oct-95
Russell 2000	-5.0%	9.0%	9.0%	0.8%	4.7%	-7.3%	8.1%	3.1%	7.7%	8.0%	8.3%	Oct-95
Channing Capital Management	-2.9%	12.5%	14.5%	1.6%	11.0%	-1.9%	13.8%	4.7%	7.6%	7.9%	8.7%	Feb-13
Russell 2000 Value	-4.8%	10.5%	4.9%	2.4%	2.2%	-4.2%	13.5%	3.2%	6.9%	7.4%	7.9%	Feb-13
Earnest Partners SCC	-5.0%	5.8%	5.7%	-0.3%	2.8%	-5.2%	11.2%	7.1%	11.0%	11.2%	10.6%	Jul-99
Russell 2000	-5.0%	9.0%	9.0%	0.8%	4.7%	-7.3%	8.1%	3.1%	7.7%	8.0%	7.5%	Jul-99



Annualized Performance (Net of Fees)

Market Value: \$1,705.2 Million and 100.0% of Fund

	1 Mo	3 Mo	YTD	Fiscal YTD	1 Yr	2 Yrs	3 Yrs	5 Yrs	7 Yrs	10 Yrs	Inception	Inception Date
Legato	-4.3%	6.8%	8.3%	-0.9%	1.6%	-12.8%	4.7%	3.3%	8.8%		6.4%	Mar-15
Russell 2000 Growth	-5.2%	7.5%	12.7%	-0.8%	6.8%	-10.7%	2.7%	2.5%	8.0%	8.2%	6.5%	Mar-15
Essex	-5.8%	5.8%	8.1%	-1.1%	1.7%	-12.3%	9.1%	4.3%			9.6%	Mar-17
Russell 2000 Growth	-5.2%	7.5%	12.7%	-0.8%	6.8%	-10.7%	2.7%	2.5%	8.0%	8.2%	7.1%	Mar-17
Bridge City	-2.4%	11.0%	10.3%	1.8%	8.3%	-5.3%	9.3%	5.4%	10.3%		10.4%	Jul-16
Russell 2000 Growth	-5.2%	7.5%	12.7%	-0.8%	6.8%	-10.7%	2.7%	2.5%	8.0%	8.2%	8.1%	Jul-16
Lebenthal Lisanti	-5.2%	3.2%	4.4%	-3.8%	-5.4%	-18.8%	-2.5%	1.5%	9.8%		10.0%	Jul-16
Russell 2000 Growth	-5.2%	7.5%	12.7%	-0.8%	6.8%	-10.7%	2.7%	2.5%	8.0%	8.2%	8.1%	Jul-16
Nicholas	-3.2%	8.4%	14.7%	0.3%	6.2%	-11.8%					-6.8%	May-21
Russell 2000 Growth	-5.2%	7.5%	12.7%	-0.8%	6.8%	-10.7%	2.7%	2.5%	8.0%	8.2%	-8.5%	May-21
International Equity Composite	-4.1%	4.3%	10.0%	-0.9%	16.4%	-6.2%	5.5%	6.4%	8.0%	7.2%	7.5%	Oct-10
MSCI EAFE	-3.8%	3.8%	10.9%	-0.7%	17.9%	-2.8%	6.1%	4.1%	6.0%	4.9%	5.2%	Oct-10
Artisan Partners International Value Fund (APHKX)	-1.7%	5.3%	14.5%	-0.1%	25.6%	3.9%	14.0%	8.3%	8.5%	7.5%	10.0%	Jun-10
MSCI EAFE	-3.8%	3.8%	10.9%	-0.7%	17.9%	-2.8%	6.1%	4.1%	6.0%	4.9%	6.3%	Jun-10
Hardman Johnston	-6.0%	3.6%	5.6%	-1.3%	9.6%	-13.0%	-0.2%	5.2%	7.9%	7.1%	6.5%	Oct-10
MSCI ACWI ex USA	-4.5%	3.8%	8.8%	-0.6%	11.9%	-5.1%	4.0%	3.3%	5.4%	4.4%	4.2%	Oct-10
Brown Capital International Small Cap	-5.1%	3.2%	10.9%	-2.3%	11.8%						-15.1%	Dec-21
MSCI ACWI ex US Small Cap	-2.8%	5.7%	9.1%	2.1%	10.0%	-7.7%	4.9%	3.1%	5.6%	5.6%	-7.8%	Dec-21
Emerging Markets Equity Composite	-5.2%	4.9%	6.7%	-0.3%	5.9%	-6.6%	5.0%	3.7%	5.3%		6.9%	Sep-15
MSCI Emerging Markets	-6.2%	3.5%	4.6%	-0.3%	1.3%	-11.0%	-1.4%	1.0%	3.8%	3.0%	5.2%	Sep-15
Earnest Partners EM	-5.1%	5.9%	7.9%	0.3%	8.9%	-3.3%	7.5%	5.1%	6.3%		7.8%	Sep-15
MSCI Emerging Markets	-6.2%	3.5%	4.6%	-0.3%	1.3%	-11.0%	-1.4%	1.0%	3.8%	3.0%	5.2%	Sep-15
Goldman Sachs Emerging Markets Equity	-5.6%	2.6%	3.7%	-1.8%	-0.9%						-13.2%	Feb-22
MSCI Emerging Markets	-6.2%	3.5%	4.6%	-0.3%	1.3%	-11.0%	-1.4%	1.0%	3.8%	3.0%	-8.3%	Feb-22
Global Equity Composite	-2.2%	3.7%	7.9%	0.1%	7.7%	-2.6%	4.3%	6.3%	7.7%	7.9%	7.7%	Mar-13
MSCI ACWI	-2.8%	6.6%	14.8%	0.8%	13.9%	-2.1%	7.2%	7.5%	9.3%	8.6%	8.4%	Mar-13
Globalt Tactical ETF	-2.3%	4.5%	10.8%	0.4%	9.4%	-2.6%	4.3%	6.4%	7.7%	7.8%	7.6%	Mar-13
Globalt Benchmark	-2.5%	5.0%	10.3%	0.4%	9.1%	-3.2%	5.0%	5.9%	7.5%	7.5%	7.4%	Mar-13
BlackRock MSCI ACWI Min Volatility Index	-1.9%	2.4%	3.7%	-0.3%	5.1%	-2.1%	3.9%		-		6.1%	Apr-20
MSCI ACWI Minimum Volatility Index	-1.9%	2.3%	3.4%	-0.4%	4.6%	-2.5%	3.5%	4.4%	5.8%	7.2%	5.7%	Apr-20

Annualized Performance (Net of Fees)

Market Value: \$1,705.2 Million and 100.0% of Fund

	1 Mo	3 Mo	YTD	Fiscal YTD	1 Yr	2 Yrs	3 Yrs	5 Yrs	7 Yrs	10 Yrs	Inception	Inception Date
Real Estate Composite	0.0%	-4.5%	-7.9%	0.0%	-13.4%	5.7%	5.9%	4.9%	6.2%		6.8%	Feb-15
NFI-ODCE	0.0%	-1.0%	-6.1%	0.0%	-10.9%	4.9%	7.0%	5.3%	5.8%	7.5%	6.8%	Feb-15
Intercontinental U.S. Real Estate	0.0%	-6.3%	-9.8%	0.0%	-14.2%	4.5%	5.6%	5.7%	7.1%		7.5%	Mar-15
NFI-ODCE	0.0%	-1.0%	-6.1%	0.0%	-10.9%	4.9%	7.0%	5.3%	5.8%	7.5%	6.7%	Mar-15
JP Morgan U.S. Real Estate	0.0%	-0.6%	-3.5%	0.0%	-11.4%	7.9%	6.5%	4.6%	5.3%		5.2%	Jul-16
NFI-ODCE	0.0%	-1.0%	-6.1%	0.0%	-10.9%	4.9%	7.0%	5.3%	5.8%	7.5%	5.9%	Jul-16
Alternative Composite	0.0%	0.0%	-0.3%	0.0%	-2.5%	-3.9%	5.4%	0.0%	1.7%	1.4%	2.3%	Oct-12
Custom Alternative Target Benchmark	-1.2%	6.1%	12.1%	1.4%	10.0%	0.2%	8.1%	8.2%	9.6%	9.4%	10.0%	Oct-12
Consequent Alternative Partners II, LP	0.0%	0.0%	-0.3%	0.0%	-2.5%	-3.9%	5.4%	0.0%	1.7%	1.9%	1.8%	Jan-13
Consequent Alt BM	0.0%	0.0%	-0.3%	0.0%	-2.5%	-3.9%	5.4%	0.0%	1.7%	1.9%	1.8%	Jan-13

Calendar Performance (Net of Fees)

Market Value: \$1,705.2 Million and 100.0% of Fund

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	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
Total Fund Composite	-14.0%	13.8%	16.4%	22.0%	-5.9%	18.6%	8.4%	-0.6%	8.0%	23.0%	13.4%
Total Fund Policy Benchmark	-15.0%	13.4%	15.0%	22.4%	-6.0%	17.3%	9.1%	0.2%	8.8%	20.4%	12.4%
InvMetrics Public DB > \$1B Net Rank	87	68	4	4	86	6	29	56	4	1	26
Fixed Income Composite	-12.5%	-1.9%	8.2%	8.2%	0.2%	3.5%	2.7%	0.8%	4.9%	-1.7%	4.8%
Bloomberg US Aggregate TR	-13.0%	-1.5%	7.5%	8.7%	0.0%	3.5%	2.6%	0.5%	6.0%	-2.0%	4.2%
InvMetrics Public DB Total Fix Inc Net Rank	68	96	37	63	41	70	68	31	27	59	59
Mesirow	-12.7%	-1.9%	8.6%	8.8%	-0.3%	3.4%	3.1%	-0.2%	6.2%	-2.1%	6.1%
Bloomberg US Aggregate TR	-13.0%	-1.5%	7.5%	8.7%	0.0%	3.5%	2.6%	0.5%	6.0%	-2.0%	4.2%
eV US Core Fixed Inc Net Rank	34	81	37	60	61	77	51	89	27	75	44
Garcia Hamilton	-11.1%	-2.3%	8.1%	7.1%	0.8%	3.6%	-	-	-		
Bloomberg US Aggregate TR	-13.0%	-1.5%	7.5%	8.7%	0.0%	3.5%	2.6%	0.5%	6.0%	-2.0%	4.2%
eV US Core Fixed Inc Net Rank	8	94	52	93	10	64					
State Street U.S. Aggregate Bond Index SL Fund	-13.2%	-1.6%	7.5%	8.7%	0.0%	3.6%	2.7%				
Bloomberg US Aggregate TR	-13.0%	-1.5%	7.5%	8.7%	0.0%	3.5%	2.6%	0.5%	6.0%	-2.0%	4.2%
eV US Core Fixed Inc Net Rank	61	54	74	68	34	65	71				-
U.S. Equity Composite	-16.2%	23.8%	19.2%	30.3%	-6.3%	22.3%	13.0%	-0.2%	10.9%	38.1%	16.5%
Russell 3000	-19.2%	25.7%	20.9%	31.0%	-5.2%	21.1%	12.7%	0.5%	12.6%	33.6%	16.4%
InvMetrics Public DB US Eq Net Rank	23	82	28	40	58	13	45	51	51	6	24
Large Cap Composite	-14.2%	25.2%	19.1%	32.2%	-3.4%	23.5%	10.9%	2.7%	13.5%	32.7%	15.6%
S&P 500	-18.1%	28.7%	18.4%	31.5%	-4.4%	21.8%	12.0%	1.4%	13.7%	32.4%	16.0%
Union Heritage Large Cap Core	-9.9%	19.7%	19.5%	33.6%	-1.1%	28.0%	8.3%	5.5%	12.0%	32.8%	15.1%
S&P 500	-18.1%	28.7%	18.4%	31.5%	-4.4%	21.8%	12.0%	1.4%	13.7%	32.4%	16.0%
eV US Large Cap Core Equity Net Rank	15	92	24	12	9	4	62	5	59	39	46
Blackrock S&P 500 Equity Index Fund	-18.1%	28.7%	18.4%	31.5%	-4.4%	21.9%	12.0%		_		
S&P 500	-18.1%	28.7%	18.4%	31.5%	-4.4%	21.8%	12.0%	1.4%	13.7%	32.4%	16.0%
eV US Large Cap Core Equity Net Rank	64	29	29	28	31	46	20				
Mid Cap Composite	-13.0%	24.7%	13.1%	23.4%	-11.4%	19.9%	12.0%	-5.8%	13.2%	37.4%	19.9%
S&P 400 MidCap	-13.1%	24.8%	13.7%	26.2%	-11.1%	16.2%	20.7%	-2.2%	9.8%	33.5%	17.9%
BlackRock MidCap Equity Index	-13.0%	24.7%					-		-		
S&P 400 MidCap	-13.1%	24.8%	13.7%	26.2%	-11.1%	16.2%	20.7%	-2.2%	9.8%	33.5%	17.9%
eV US Passive Mid Cap Equity Net Rank	7	1		-	-						-

Calendar Performance (Net of Fees)

Market Value: \$1,705.2 Million and 100.0% of Fund

Calendar Year

	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
Small Cap Composite	-19.4%	20.9%	23.7%	29.5%	-12.2%	19.7%	21.1%	-3.0%	6.7%	37.3%	14.0%
Russell 2000	-20.4%	14.8%	20.0%	25.5%	-11.0%	14.6%	21.3%	-4.4%	4.9%	38.8%	16.3%
Channing Capital Management	-17.3%	19.5%	16.4%	24.8%	-17.2%	6.7%	28.1%	-5.3%	4.5%		
Russell 2000 Value	-14.5%	28.3%	4.6%	22.4%	-12.9%	7.8%	31.7%	-7.5%	4.2%	34.5%	18.0%
eV US Small Cap Value Equity Net Rank	88	91	13	37	72	78	32	57	55		
Earnest Partners SCC	-15.7%	21.7%	22.3%	32.6%	-13.1%	24.1%	25.0%	-2.0%	9.4%	36.1%	15.8%
Russell 2000	-20.4%	14.8%	20.0%	25.5%	-11.0%	14.6%	21.3%	-4.4%	4.9%	38.8%	16.3%
eV US Small Cap Equity Net Rank	45	59	37	15	61	19	27	38	10	73	43
Legato	-29.7%	19.3%	32.5%	25.7%	-5.5%	21.5%	2.9%				
Russell 2000 Growth	-26.4%	2.8%	34.6%	28.5%	-9.3%	22.2%	11.3%	-1.4%	5.6%	43.3%	14.6%
Essex	-27.7%	28.7%	28.2%	26.3%	-6.5%		-				
Russell 2000 Growth	-26.4%	2.8%	34.6%	28.5%	-9.3%	22.2%	11.3%	-1.4%	5.6%	43.3%	14.6%
eV US Small Cap Equity Net Rank	84	31	30	38	28		-				
Bridge City	-20.6%	20.3%	20.6%	25.0%	0.2%	16.0%	-		-	-	
Russell 2000 Growth	-26.4%	2.8%	34.6%	28.5%	-9.3%	22.2%	11.3%	-1.4%	5.6%	43.3%	14.6%
eV US Small Cap Equity Net Rank	66	61	39	48	10	42					
Lebenthal Lisanti	-37.4%	11.8%	52.1%	28.2%	-1.7%	28.9%	-				
Russell 2000 Growth	-26.4%	2.8%	34.6%	28.5%	-9.3%	22.2%	11.3%	-1.4%	5.6%	43.3%	14.6%
eV US Small Cap Equity Net Rank	97	82	11	28	14	8					
Nicholas	-31.0%										
Russell 2000 Growth	-26.4%	2.8%	34.6%	28.5%	-9.3%	22.2%	11.3%	-1.4%	5.6%	43.3%	14.6%
eV US Small Cap Equity Net Rank	91						-				
International Equity Composite	-17.7%	8.0%	23.4%	29.1%	-14.6%	30.4%	3.4%	-1.0%	0.0%	24.0%	19.6%
MSCI EAFE	-14.5%	11.3%	7.8%	22.0%	-13.8%	25.0%	1.0%	-0.8%	-4.9%	22.8%	17.3%
Artisan Partners International Value Fund (APHKX)	-6.8%	17.0%	8.8%	24.2%	-15.4%	24.1%	5.7%	-1.5%	-0.4%	30.7%	23.0%
MSCI EAFE	-14.5%	11.3%	7.8%	22.0%	-13.8%	25.0%	1.0%	-0.8%	-4.9%	22.8%	17.3%
eV EAFE Large Cap Value Net Rank	37	3	1	6	35	47	29	38	1	4	5
Hardman Johnston	-23.6%	1.3%	35.7%	33.5%	-13.8%	37.4%	1.1%	-0.4%	0.4%	17.3%	15.6%
MSCI ACWI ex USA	-16.0%	7.8%	10.7%	21.5%	-14.2%	27.2%	4.5%	-5.7%	-3.9%	15.3%	16.8%
eV ACWI ex-US Large Cap Equity Net Rank	79	92	4	7	34	8	51	30	5	60	81



Calendar Performance (Net of Fees)

Market Value: \$1,705.2 Million and 100.0% of Fund

•			
(:a	len	1ar	Year

						Calenda	rrear				
	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
Brown Capital International Small Cap	-31.4%	-			-	-	-	-			
MSCI ACWI ex US Small Cap	-20.0%	12.9%	14.2%	22.4%	-18.2%	31.6%	3.9%	2.6%	-4.0%	19.7%	18.5%
Foreign Small/Mid Growth MStar MF Rank	66										
Emerging Markets Equity Composite	-15.3%	1.6%	12.4%	23.6%	-15.5%	36.0%	11.8%				
MSCI Emerging Markets	-20.1%	-2.5%	18.3%	18.4%	-14.6%	37.3%	11.2%	-14.9%	-2.2%	-2.6%	18.2%
Earnest Partners EM	-10.2%	1.6%	12.4%	23.6%	-15.5%	36.0%	11.9%				
MSCI Emerging Markets	-20.1%	-2.5%	18.3%	18.4%	-14.6%	37.3%	11.2%	-14.9%	-2.2%	-2.6%	18.2%
eV Emg Mkts Equity Net Rank	9	46	73	27	42	57	31				
Goldman Sachs Emerging Markets Equity											
MSCI Emerging Markets	-20.1%	-2.5%	18.3%	18.4%	-14.6%	37.3%	11.2%	-14.9%	-2.2%	-2.6%	18.2%
eV Emg Mkts All Cap Equity Net Rank											
Global Equity Composite	-13.8%	13.1%	15.4%	22.4%	-4.8%	18.4%	7.6%	-1.0%	8.9%	-	
MSCI ACWI	-18.4%	18.5%	16.3%	26.6%	-9.4%	24.0%	7.9%	-2.4%	4.2%	22.8%	16.1%
eV Global Core Equity Net Rank	29	88	50	70	13	88	22	66	11		
Globalt Tactical ETF	-15.9%	12.7%	16.3%	22.4%	-5.1%	18.1%	7.3%	-1.3%	8.6%		-
Globalt Benchmark	-16.4%	13.8%	15.1%	22.4%	-6.1%	17.3%	9.1%	-1.1%	6.8%		
eV Global Balanced Net Rank	61	47	30	34	17	12	54	39	13		
BlackRock MSCI ACWI Min Volatility Index	-10.0%	14.2%		-							
MSCI ACWI Minimum Volatility Index	-10.3%	13.9%	2.7%	21.1%	-1.6%	17.9%	7.4%	2.8%	11.0%	16.9%	10.1%
eV Global Low Volatility Equity Net Rank	55	76					-				
Real Estate Composite	5.8%	21.4%	-0.2%	5.6%	8.0%	6.7%	9.7%				
NFI-ODCE	6.5%	21.1%	0.3%	4.4%	7.4%	6.7%	7.8%	14.0%	11.5%	12.9%	9.8%
InvMetrics Public DB Real Estate Priv Net Rank	73	67	78	59	28	61	6				
Intercontinental U.S. Real Estate	7.4%	20.1%	1.0%	8.2%	9.2%	7.5%	11.1%				
NFI-ODCE	6.5%	21.1%	0.3%	4.4%	7.4%	6.7%	7.8%	14.0%	11.5%	12.9%	9.8%
JP Morgan U.S. Real Estate	2.4%	23.7%	-2.0%	2.1%	5.5%	5.6%					
NFI-ODCE	6.5%	21.1%	0.3%	4.4%	7.4%	6.7%	7.8%	14.0%	11.5%	12.9%	9.8%
Alternative Composite	-11.2%	15.6%	22.2%	-20.0%	4.8%	7.0%	0.1%	0.5%	0.4%	5.8%	
Custom Alternative Target Benchmark	-13.5%	19.2%	17.1%	22.3%	-4.1%	16.1%	8.7%	1.0%	9.6%	24.4%	12.5%
InvMetrics Public DB Alts Net Rank	90	79	6	99	44	52	96	74	89	90	
Consequent Alternative Partners II, LP	-11.2%	15.6%	22.2%	-20.0%	4.8%	7.0%	0.1%	0.4%	2.7%		
Consequent Alt BM	-11.2%	15.6%	22.2%	-20.0%	4.8%	7.0%	0.1%	0.4%	2.7%	4.1%	

Private Markets Composite

Performance Summary

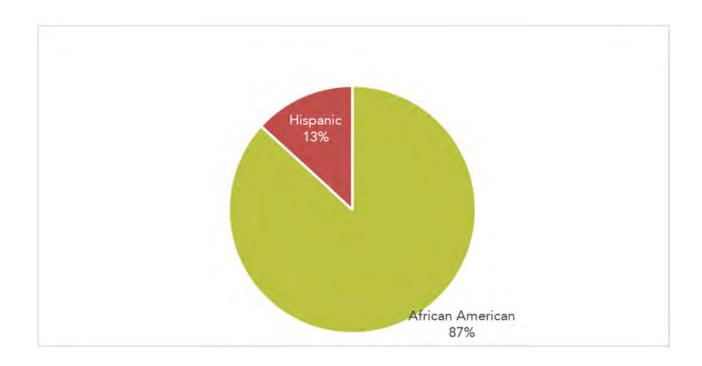
Private Market Investments Overview

Investments		Commitments		Contributions & Distributions		Valuations		Performance			
Investment Name	Vintage Year	Commitment (\$)	Unfunded Commitment (\$)	Cumulative Contributions (\$)	Cumulative Distributions (\$)	Valuation (\$)	Total Value (\$)	DPI	TVPI	RVPI	IRR (%)
GrayCo Alternative Partners II, L.P.	2012	28,000,000	4,948,278	23,051,722	15,686,750	11,906,243	27,592,993	0.68	1.20	0.52	2.10
Total		28.000.000	4.948.278	23.051.722	15.686.750	11.906.243	27.592.993	0.68	1.20	0.52	2.10

MWDBE Composite Market Values

						% of Total	
		Asset Class		Market Value	% of Portfolio	Fund	
Total MWDBE Composite			\$555,483,080	100.0%	32.6%		
Garcia Hamilton	(H) Core Fixed Income		ome	\$73,491,380	13.2%	4.3%	
Union Heritage	(AA)	Large-Cap Core		\$191,827,108	34.5%	34.5% 11.2%	
Channing Capital Management	(AA)	Small-Cap Value		\$40,702,816	7.3%	2.4%	
Earnest Partners SCC	(AA)	Small-Cap Core		\$115,269,954	20.8%	6.8%	
Legato	(AA)	Small-Cap Growth		\$33,722,653	6.1%	2.0%	
Brown Capital International Small Cap	(AA)	Non-U.S. Small Cap Core		\$23,629,956	4.3%	1.4%	
Earnest Partners EM	(AA)	Emerging Markets		\$76,839,213	13.8%	4.5%	
(AA) African American							
(A) Asian			Actual %				
(H) Hispanic		Minority	32.6%				
(NA) Native American		Female	0.0%				
(W) Women		Disabled	0.0%				

^{*}Please note: our calculations do not include Consequent Capital Management





Fee Schedule

Market Value: \$1,705.2 Million and 100.0% of Fund

Asset Class	Investment Manager	Fee Schedule	Market Value: \$1,705.2 Million a Expense Ratio & Estimated Annual Fee ¹	Industry Median ²
Core Fixed Income	Mesirow	0.35% on the first \$10 million 0.25% on the next \$50 million 0.20% on the next \$150 million 0.15% on the next \$300 million 0.125% on the next \$500 million 0.10% on the balance	0.22% \$451,857	0.22%
Core Fixed Income	Garcia Hamilton	0.18% on the balance	0.18% \$132,284	0.26%
Core Fixed Income	State Street US Agg	0.03% on the balance	0.03% \$25,084	0.06%
Large-Cap Core	Union Heritage	0.50% on the first \$20 million 0.45% on the next \$15 million 0.35% on the balance	0.37% \$716,395	0.44%
Large-Cap Core	Blackrock S&P 500 Equity Index Fund	0.01% on the balance	0.01% \$19,410	0.02%
Mid-Cap Core	BlackRock MidCap Equity Index	0.01% on the balance	0.01% \$8,852	0.06%
Small-Cap Value	Channing Capital Management	0.75% on the first \$25 million 0.65% on the next \$25 million 0.60% on the next \$50 million 0.55% on the balance	0.71% \$289,568	0.90%
Small-Cap Core	Earnest Partners SCC	0.80% on the first \$10 million 0.65% on the next \$10 million 0.50% on the balance	0.54% \$621,350	0.77%
Small-Cap Cgrowth	Legato	0.60% on the balance	0.60% \$347,442	0.80%
Non-U.S. Large-Cap Core	Hardman Johnston	0.75% on the first \$25 million 0.60% on the next \$50 million 0.50% on the balance	0.61% \$639,828	0.65%
Non-U.S. Large-Cap Value	Artisan Partners International Value Fund (APHKX)	1.03% on the balance	1.03% \$1,043,213	0.92%
Emerging Markets	Earnest Partners EM	1.00% on the balance	1.00% \$768,392	0.85%
Emerging Markets	Goldman Sachs Emerging Markets Equity	0.45% on the balance	0.45% \$137,540	0.90%
Global Balanced	Globalt Tactical ETF	0.50% on the first \$50 million 0.30% on the next \$50 million 0.25% on the balance	0.35% \$540,237	0.85%
Core Real Estate	Intercontinental U.S. Real Estate	1.10% on the first \$25 million 1.00% on the next \$25 million 0.85% on the next \$50 million 0.75% on the balance	1.10% \$197,378	1.00%
Core Plus Real Estate	JP Morgan U.S. Real Estate	1.75% on the first \$10 million 1.05% on the next \$90 million	1.43% \$264,432	1.00%
J.S. Private Equity FoF	Consequent Alternative Partners II, LP	1,00% on Committed Capital	2.35% \$280,000	2.35%
Global Low-Volatility	BlackRock MSCI ACWI Min Volatility Index	0.025% on the balance	0.03% \$25,825	0.42%
Non-U.S. Small-Cap Core	Brown Capital International Small Cap	1.06% on the balance	1,06% \$250,478	1.29%
Total Investment Management F	ees		0.40% \$6,759,566	0.47%

¹ Expense Ratio & Estimated Annual Fee are Based on Market Value at Month End. ² Source: 2019 Marquette Associates Investment Management Fee Study.



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(Preliminary, Subject to Change)



Pension Fund

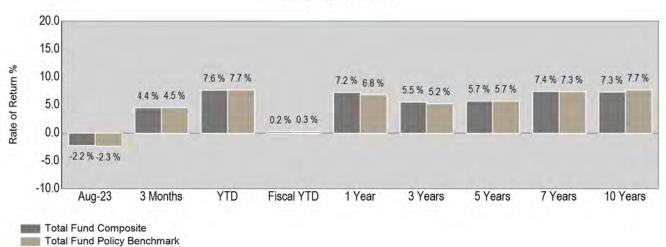
City of Atlanta Police Officers
Pension Fund
Executive Summary

August 31, 2023

Total Fund Composite

Market Value: \$1,355.5 Million and 100.0% of Fund

Return Summary Ending August 31, 2023



Return Summary YTD

	Total Return
Total Fund Composite	7.6%
Fixed Income Composite	1.3%
U.S. Equity Composite	13.1%
International Equity Composite	6.9%
Alternative Composite	-6.4%

Asset Allocation vs. Target

	Current	Current	Policy	Difference	%
Fixed Income Composite	\$336,384,700	24.8%	25.0%	-\$2,479,450	-0.2%
U.S. Equity Composite	\$601,881,361	44.4%	42.0%	\$32,589,588	2.4%
International Equity Composite	\$370,115,687	27.3%	28.0%	-\$9,412,161	-0.7%
Alternative Composite	\$26,599,956	2.0%	5.0%	-\$41,172,875	-3.0%
Cash Composite	\$20,474,898	1.5%	0.0%	\$20,474,898	1.5%
Total	\$1,355,456,602	100.0%	100.0%		

Summary of Cash Flows

	Last Three Months	Year-To-Date	One Year
Beginning Market Value	\$1,311,085,572	\$1,281,909,624	\$1,299,950,304
Net Cash Flow	-\$14,413,207	-\$25,321,621	-\$38,319,973
Net Investment Change	\$58,784,238	\$98,868,599	\$93,826,271
Ending Market Value	\$1,355,456,602	\$1,355,456,602	\$1,355,456,602



Market Value: \$1,355.5 Million and 100.0% of Fund

	Asset Class	Market Value (\$)	3 Mo Net Cash Flows (\$)	% of Portfolio	Policy %	Policy Difference (\$)
Total Fund Composite		1,355,456,602	-14,413,207	100.0	100.0	0
Fixed Income Composite		336,384,700	-1,062	24.8	25.0	-2,479,450
Mesirow	Core Fixed Income	191,467,977	-978	14.1		
Garcia Hamilton	Int. Govt. Fixed Income	54,032,321	-85	4.0		
BlackRock U.S.Aggregate Bond Index	Core Fixed Income	90,884,402	0	6.7		
U.S. Equity Composite		601,881,361	-1,680	44.4	42.0	32,589,588
BlackRock Russell 1000 Index Fund	Large-Cap Core	248,892,782	0	18.4		
BlackRock Mid Cap Equity Index Fund	Mid-Cap Core	211,351,173	0	15.6		
Macquarie SCC	Small-Cap Core	63,481,101	-1,227	4.7		
Earnest Partners SCC	Small-Cap Core	45,938,479	-452	3.4		
Driehaus SCG	Small-Cap Growth	32,217,826	0	2.4		
International Equity Composite		370,115,687	0	27.3	28.0	-9,412,161
Artisan International Large Cap Value (APHKX)	Non-U.S. Large-Cap Value	91,895,186	0	6.8		
Hardman Johnston	Non-U.S. Large-Cap Core	71,698,225	0	5.3		
BlackRock MSCI EAFE Small Cap Index	Non-U.S. Small-Cap Core	8,763,883	0	0.6		
Brown Capital International Small Cap	Non-U.S. Small-Cap Core	11,814,978	0	0.9		
BlackRock Emerging Markets Free Fund	Emerging Markets	11,725,777	0	0.9		
Goldman Sachs Emerging Markets Equity	Emerging Markets	19,219,067	0	1.4		
Global Low Volatility Composite		154,998,571	0	11.4	-	154,998,571
BlackRock MSCI ACWI Min Volatility Index	Global Low-Volatility	154,998,571	0	11.4		
Alternative Composite		26,599,956	-1,132,171	2.0	5.0	-41,172,875
Intercontinental U.S. Real Estate	Core Real Estate	15,157,652	-107,781	1.1		
Consequent Alternative Partners II, LP	U.S. Private Equity FoF	8,901,011	-1,024,390	0.7		
Pharos Capital Partners III	LBO Private Equity	2,541,293	0	0.2		
Cash Composite		20,474,898	-13,278,294	1.5	0.0	20,474,898
Cash	Cash & Equivalents	11,030,328	-19,408,526	0.8		
Transition Cash Account	Cash & Equivalents	5,304	-2	0.0		
NT Operating	Cash & Equivalents	9,439,266	6,130,234	0.7		

Annualized Performance (Net of Fees)

Market Value: \$1,355.5 Million and 100.0% of Fund

	1 Mo	3 Mo	YTD	Fiscal YTD	1 Yr	2 Yrs	3 Yrs	5 Yrs		10 Yrs	Inception	Inception Date
Total Fund Composite	-2.2%	4.4%	7.6%	0.2%	7.2%	-3.7%	5.5%	5.7%	7.4%	7.3%	8.0%	Jan-88
Total Fund Policy Benchmark	-2.3%	4.5%	7.7%	0.3%	6.8%	-3.6%	5.2%	5.7%	7.3%	7.7%	8.7%	Jan-88
Fixed Income Composite	-0.6%	-1.0%	1.3%	-0.7%	-0.8%	-5.9%	-4.0%	0.3%	0.2%	1.3%	2.5%	Sep-07
Fixed Income Composite Blended Benchmark	-0.4%	-0.8%	1.5%	-0.3%	-0.5%	-5.5%	-3.7%	0.6%	0.3%	1.5%	2.8%	Sep-07
Mesirow	-0.6%	-1.0%	1.2%	-0.7%	-0.9%	-6.4%	-4.3%	0.7%	0.4%	1.5%	2.1%	May-10
Bloomberg US Aggregate TR	-0.6%	-1.1%	1.4%	-0.7%	-1.2%	-6.5%	-4.4%	0.5%	0.3%	1.5%	2.0%	May-10
Garcia Hamilton	-0.5%	-1.1%	1.3%	-0.5%	0.3%	-3.0%	-2.3%	1.0%	0.8%		1.5%	Apr-14
Bloomberg US Govt/Credit Int TR	0.0%	-0.4%	1.8%	0.2%	0.6%	-3.9%	-2.6%	1.2%	0.8%	1.5%	1.3%	Apr-14
BlackRock U.S.Aggregate Bond Index	-0.6%	-1.0%	1.6%	-0.7%	-1.1%	-6.4%	-4.3%				-2.8%	Mar-20
Bloomberg US Aggregate TR	-0.6%	-1.1%	1.4%	-0.7%	-1.2%	-6.5%	-4.4%	0.5%	0.3%	1.5%	-2.9%	Mar-20
U.S. Equity Composite	-2.6%	9.1%	13.1%	1.2%	11.2%	-1.8%	9.6%	7.9%	10.4%	9.9%	7.7%	Jan-08
Domestic Equity Composite Blended Benchmark	-2.9%	9.2%	13.3%	1.2%	11.2%	-2.0%	9.8%	8.5%	11.1%	11.2%	9.7%	Jan-08
BlackRock Russell 1000 Index Fund	-1.7%	8.5%	18.6%	1.6%	15.4%	0.2%	9.9%				12.4%	Oct-19
Russell 1000	-1.7%	8.5%	18.6%	1.6%	15.4%	0.2%	9.9%	10.8%	12.8%	12.6%	12.4%	Oct-19
BlackRock Mid Cap Equity Index Fund	-2.9%	10.4%	10.1%	1.1%	10.8%	-0.4%	12.9%				9.3%	Nov-19
			10.170	1.170	10.070	-0.4 /0	12.3/0					
S&P 400 MidCap	-2.9%	10.4%	10.1%	1.1%	10.7%	-0.4%	12.8%	7.0%	9.5%	10.1%	9.3%	Nov-19
S&P 400 MidCap Macquarie SCC	-2.9% -4.2%	10.4% 8.4%						7.0%	9.5%	10.1%		<i>Nov-19</i> Sep-17
			10.1%	1.1%	10.7%	-0.4%	12.8%		9.5% 7.7%		9.3%	
Macquarie SCC	-4.2%	8.4%	10.1% 6.9%	1.1% -0.2%	10.7% 4.3%	-0.4% -3.7%	12.8% 11.1%	4.6%			9.3% 6.9%	Sep-17
Macquarie SCC Russell 2000	-4.2% -5.0%	8.4% 9.0%	10.1% 6.9% 9.0%	1.1% -0.2% 0.8%	10.7% 4.3% 4.7%	-0.4% -3.7% -7.3%	12.8% 11.1%	4.6% 3.1%		 8.0%	9.3% 6.9% 5.6%	Sep-17 Sep-17
Macquarie SCC Russell 2000 Earnest Partners SCC	-4.2% -5.0% -4.7%	8.4% 9.0% 6.5%	10.1% 6.9% 9.0% 6.5%	1.1% -0.2% 0.8% -0.1%	10.7% 4.3% 4.7% 3.7%	-0.4% -3.7% -7.3%	12.8% 11.1% 8.1%	4.6% 3.1%	 7.7%	 8.0% 	9.3% 6.9% 5.6% -5.7%	Sep-17 Sep-17 Oct-21



Annualized Performance (Net of Fees)

Market Value: \$1,355.5 Million and 100.0% of Fund

	1 Mo	3 Mo	YTD	Fiscal YTD	1 Yr	2 Yrs	3 Yrs	5 Yrs	7 Yrs	10 Yrs	Inception	Inception Date
International Equity Composite	-3.2%	3.4%	6.9%	-0.6%	10.3%	-5.6%	5.1%	6.0%	7.8%	7.0%	8.3%	Jun-10
International Equity Composite Blended Benchmark	-3.3%	3.2%	6.5%	-0.4%	8.9%	-4.4%	4.6%	3.5%	5.5%	4.5%	5.7%	Jun-10
Artisan International Large Cap Value (APHKX)	-1.7%	5.3%	14.5%	-0.1%	25.6%	3.9%	14.0%	8.3%	8.5%	7.5%	10.0%	Jun-10
MSCI EAFE	-3.8%	3.8%	10.9%	-0.7%	17.9%	-2.8%	6.1%	4.1%	6.0%	4.9%	6.3%	Jun-10
Hardman Johnston	-6.0%	3.6%	5.6%	-1.3%	9.6%	-13.0%	-0.3%	5.2%	8.0%	7.2%	7.2%	Jun-10
MSCI ACWI ex USA	-4.5%	3.8%	8.8%	-0.6%	11.9%	-5.1%	4.0%	3.3%	5.4%	4.4%	5.4%	Jun-10
BlackRock MSCI EAFE Small Cap Index	-3.4%	4.0%	7.0%	1.0%	10.0%	-9.5%	2.9%				8.6%	Apr-20
MSCI EAFE Small Cap	-3.3%	3.9%	6.5%	1.0%	9.2%	-10.1%	2.4%	1.5%	5.1%	5.7%	8.1%	Apr-20
Brown Capital International Small Cap	-5.1%	3.2%	10.9%	-2.3%	11.8%						-15.1%	Dec-21
MSCI ACWI ex US Small Cap	-2.8%	5.7%	9.1%	2.1%	10.0%	-7.7%	4.9%	3.1%	5.6%	5.6%	-7.8%	Dec-21
BlackRock Emerging Markets Free Fund	-6.2%	3.4%	4.4%	-0.4%	1.4%	-11.1%	-1.6%				4.4%	Apr-20
MSCI Emerging Markets	-6.2%	3.5%	4.6%	-0.3%	1.3%	-11.0%	-1.4%	1.0%	3.8%	3.0%	4.4%	Apr-20
Goldman Sachs Emerging Markets Equity	-5.6%	2.6%	3.7%	-1.8%	-0.9%						-13.2%	Feb-22
MSCI Emerging Markets	-6.2%	3.5%	4.6%	-0.3%	1.3%	-11.0%	-1.4%	1.0%	3.8%	3.0%	-8.3%	Feb-22
BlackRock MSCI ACWI Min Volatility Index	-1.9%	2.4%	3.7%	-0.3%	5.1%	-2.1%	3.8%				6.1%	Apr-20
MSCI ACWI Minimum Volatility Index	-1.9%	2.3%	3.4%	-0.4%	4.6%	-2.5%	3.5%	4.4%	5.8%	7.2%	5.7%	Apr-20
Alternative Composite	0.0%	-4.5%	-6.4%	0.0%	-8.8%	-0.5%	6.1%	2.8%	4.2%	3.1%	3.7%	Dec-12
Alternatives Custom Benchmark	0.0%	-0.5%	-3.6%	0.0%	-7.2%	-1.5%	7.6%	3.5%	4.6%			Dec-12
Intercontinental U.S. Real Estate	0.0%	-6.3%	-9.8%	0.0%	-14.3%	4.4%	5.6%	5.7%	7.1%		8.0%	Aug-14
NFI-ODCE	0.0%	-1.0%	-6.1%	0.0%	-10.9%	4.9%	7.0%	5.3%	5.8%	7.5%	7.1%	Aug-14
Consequent Alternative Partners II, LP	0.0%	0.0%	-0.3%	0.0%	-2.5%	-3.9%	5.4%	0.0%	1.7%	1.9%		Oct-12
Custom Consequent Alt BM	0.0%	0.0%	-0.3%	0.0%	-2.5%	-3.9%	5.4%	0.0%	1.7%	1.9%		Oct-12



Calendar Performance (Net of Fees)

Market Value: \$1,355.5 Million and 100.0% of Fund

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	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
otal Fund Composite	-14.7%	13.8%	17.7%	21.3%	-6.2%	15.6%	9.2%	-1.9%	5.0%	22.5%	12.8%
Total Fund Policy Benchmark	-14.7%	13.6%	15.7%	22.0%	-5.4%	15.0%	9.9%	-0.3%	8.3%	21.3%	12.9%
InvMetrics Public DB > \$1B Net Rank	94	68	2	6	89	50	10	85	56	1	46
Fixed Income Composite	-11.7%	-1.8%	6.8%	7.5%	-0.1%	3.9%	2.9%	0.5%	4.2%	-1.8%	4.0%
Fixed Income Composite Blended Benchmark	-11.2%	-1.5%	7.0%	7.5%	0.2%	3.7%	2.3%	0.8%	5.0%	-2.0%	4.2%
InvMetrics Public DB Total Fix Inc Net Rank	55	95	62	72	46	65	65	39	38	68	87
Mesirow	-12.5%	-1.9%	8.8%	8.8%	-0.6%	3.2%	2.9%	-0.1%	6.3%	-2.2%	5.4%
Bloomberg US Aggregate TR	-13.0%	-1.5%	7.5%	8.7%	0.0%	3.5%	2.6%	0.5%	6.0%	-2.0%	4.2%
eV US Core Fixed Inc Net Rank	24	86	31	60	75	82	58	85	23	79	60
Garcia Hamilton	-6.4%	-1.8%	5.7%	5.8%	1.2%	2.0%	2.9%	1.2%	-	-	
Bloomberg US Govt/Credit Int TR	-8.2%	-1.4%	6.4%	6.8%	0.9%	2.1%	2.1%	1.1%	3.1%	-0.9%	3.9%
eV US Interm Duration Fixed Inc Net Rank	3	92	78	88	9	82	20	27			-
BlackRock U.S.Aggregate Bond Index	-13.0%	-1.6%									-
Bloomberg US Aggregate TR	-13.0%	-1.5%	7.5%	8.7%	0.0%	3.5%	2.6%	0.5%	6.0%	-2.0%	4.2%
eV US Core Fixed Inc Net Rank	47	59									
J.S. Equity Composite	-17.6%	22.1%	20.6%	27.0%	-7.1%	18.8%	12.6%	-3.2%	6.3%	33.6%	5.0%
Domestic Equity Composite Blended Benchmark	-17.7%	23.1%	20.0%	29.9%	-7.2%	19.3%	14.6%	-0.7%	12.0%	34.4%	16.6%
InvMetrics Public DB US Eq Net Rank	54	95	15	95	71	80	53	90	96	68	99
BlackRock Russell 1000 Index Fund	-19.1%	26.5%	21.0%								
Russell 1000	-19.1%	26.5%	21.0%	31.4%	-4.8%	21.7%	12.1%	0.9%	13.2%	33.1%	16.4%
eV US Large Cap Core Equity Net Rank	75	56	18	-							
BlackRock Mid Cap Equity Index Fund	-13.0%	24.7%	13.8%	_				-			
S&P 400 MidCap	-13.1%	24.8%	13.7%	26.2%	-11.1%	16.2%	20.7%	-2.2%	9.8%	33.5%	17.9%
eV US Passive Mid Cap Equity Net Rank	7	1	25	-							
Macquarie SCC	-15.9%	23.8%	15.6%	26.3%	-11.1%						
Russell 2000	-20.4%	14.8%	20.0%	25.5%	-11.0%	14.6%	21.3%	-4.4%	4.9%	38.8%	16.3%
eV US Small Cap Core Equity Net Rank	41	55	44	34	50						-
Earnest Partners SCC	-15.7%			_						_	
Russell 2000	-20.4%	14.8%	20.0%	25.5%	-11.0%	14.6%	21.3%	-4.4%	4.9%	38.8%	16.3%
eV US Small Cap Equity Net Rank	45										
Driehaus SCG	-34.0%			-		-					
Russell 2000 Growth	-26.4%	2.8%	34.6%	28.5%	-9.3%	22.2%	11.3%	-1.4%	5.6%	43.3%	14.6%
eV US Small Cap Growth Equity Net Rank	76										

Calendar Performance (Net of Fees)

Market Value: \$1,355.5 Million and 100.0% of Fund

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	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
International Facility Community	-15.8%	8.1%	21.7%	29.2%	-14.5%	30.9%	3.4%	-1.0%	-0.1%	23.7%	19.3%
International Equity Composite International Equity Composite Blended											
Benchmark	-14.3%	10.3%	9.1%	21.8%	-14.0%	26.1%	2.7%	-3.3%	-4.4%	19.0%	17.1%
InvMetrics Public DB Dev Mkt ex-US Eq Net Rank	21	45	7	16	54	14	21	36	1	7	26
Artisan International Large Cap Value (APHKX)	-6.8%	17.0%	8.8%	24.2%	-15.4%	24.1%	5.7%	-1.5%	-0.4%	30.7%	23.0%
MSCI EAFE	-14.5%	11.3%	7.8%	22.0%	-13.8%	25.0%	1.0%	-0.8%	-4.9%	22.8%	17.3%
Foreign Large Blend MStar MF Rank	1	5	56	24	54	81	9	62	9	2	9
Hardman Johnston	-23.6%	1.3%	35.6%	33.8%	-13.7%	37.7%	1.1%	-0.4%	0.3%	17.4%	15.6%
MSCI ACWI ex USA	-16.0%	7.8%	10.7%	21.5%	-14.2%	27.2%	4.5%	-5.7%	-3.9%	15.3%	16.8%
eV ACWI ex-US Large Cap Equity Net Rank	79	92	4	6	33	7	50	29	6	60	81
BlackRock MSCI EAFE Small Cap Index	-20.8%	10.4%									
MSCI EAFE Small Cap	-21.4%	10.1%	12.3%	25.0%	-17.9%	33.0%	2.2%	9.6%	-4.9%	29.3%	20.0%
eV EAFE Small Cap Equity Net Rank	50	64					-				
Brown Capital International Small Cap	-31.4%										
MSCI ACWI ex US Small Cap	-20.0%	12.9%	14.2%	22.4%	-18.2%	31.6%	3.9%	2.6%	-4.0%	19.7%	18.5%
Foreign Small/Mid Growth MStar MF Rank	66			-							
BlackRock Emerging Markets Free Fund	-20.2%	-2.7%				-					
MSCI Emerging Markets	-20.1%	-2.5%	18.3%	18.4%	-14.6%	37.3%	11.2%	-14.9%	-2.2%	-2.6%	18.2%
eV Emg Mkts Large Cap Equity Net Rank	70	63	-	-			-	-	-		-
Goldman Sachs Emerging Markets Equity				-	-		-	-	-	-	
MSCI Emerging Markets	-20.1%	-2.5%	18.3%	18.4%	-14.6%	37.3%	11.2%	-14.9%	-2.2%	-2.6%	18.2%
eV Emg Mkts All Cap Equity Net Rank				-			-	-	-		-
BlackRock MSCI ACWI Min Volatility Index	-10.0%	14.1%		-			-		-	-	
MSCI ACWI Minimum Volatility Index	-10.3%	13.9%	2.7%	21.1%	-1.6%	17.9%	7.4%	2.8%	11.0%	16.9%	10.1%
eV Global Low Volatility Equity Net Rank	55	76	-	-		-	-	-	-		-
Alternative Composite	-0.8%	17.3%	15.9%	-10.0%	6.4%	8.0%	3.3%	2.3%	2.4%	4.8%	
Alternatives Custom Benchmark	-5.2%	20.9%	19.3%	-10.5%	6.0%	8.2%	2.1%	3.3%			
InvMetrics Public DB Alts Net Rank	58	72	9	99	35	41	85	64	84	92	
Intercontinental U.S. Real Estate	7.2%	20.2%	1.1%	8.2%	9.3%	7.5%	11.1%	12.4%			
NFI-ODCE	6.5%	21.1%	0.3%	4.4%	7.4%	6.7%	7.8%	14.0%	11.5%	12.9%	9.8%
Consequent Alternative Partners II, LP	-11.2%	15.6%	22.3%	-20.0%	4.9%	7.0%	0.1%	0.2%	2.4%	-2.1%	
Custom Consequent Alt BM	-11.2%	15.6%	22.3%	-20.0%	4.9%	7.0%	0.1%	0.2%	2.4%	-2.1%	

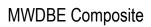


Private Markets Composite

Performance Summary

Private Market Investments Overview

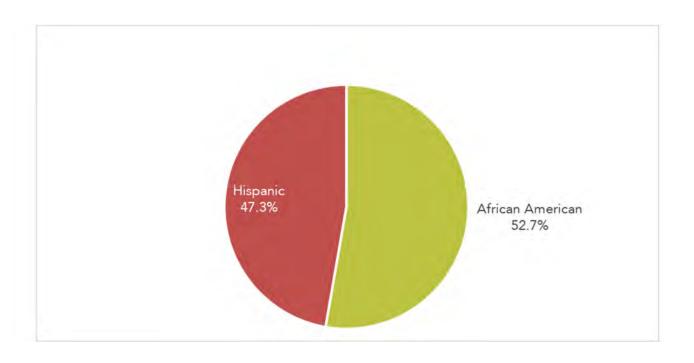
Investments		Commitr	Commitments		Contributions & Distributions		Valuations			Performance		
Investment Name	Vintage Year	Commitment (\$)	Unfunded Commitment (\$)	Cumulative Contributions (\$)	Cumulative Distributions (\$)	Valuation (\$)	Total Value (\$)	DPI	TVPI	RVPI	IRR (%)	
	2014		-4,000,000	4,000,000	912,171			0.22			-39.27	
GrayCo Alternative Partners II, L.P.	2012	21,000,000	3,739,876	20,612,999	15,117,933	8,901,011	24,018,944	0.73	1.16	0.43	2.09	
Pharos Capital Partners III, L.P.	2013	4,000,000	80,000	3,920,000	4,576,406	2,541,293	7,117,699	1.17	1.82	0.65	11.47	
Total		25,000,000	-180,124	28,532,999	20,606,511	11,442,304	31,136,643	0.72	1.08	0.40	1.64	



Market Values

		Asset Class		Market Value	% of Portfolio	% of Total Fund
Total MWDBE Composite				\$114,327,071	100.0%	8.4%
Garcia Hamilton	(H)	Int. Govt. Fixed	Income	\$54,032,321	47.3%	4.0%
Earnest Partners SCC	(AA)	Small-Cap Core	9	\$45,938,479	40.2%	3.4%
Brown Capital International Small Cap	(AA)	Non-U.S. Small	-Cap Core	\$11,814,978	10.3%	0.9%
Pharo Capital Partners III	(AA)	LBO Private Eq	uity	\$2,541,293	2.2%	0.2%
(AA) African American						
(A) Asian		Lance of the land	Actual %			
(H) Hispanic		Minority	8.4%			
(NA) Native American		Female	0.0%			
(W) Women		Disabled	0.0%			

^{*}Please note: our calculations do not include Consequent Capital Management



Total Fund Composite

Fee Schedule

Market Value: \$1,355.5 Million and 100.0% of Fund

Asset Class	Investment Manager	Fee Schedule	Market Value: \$ 1,355.5 Million and Expense Ratio & Estimated Annual Fee ¹	Industry Median
Core Fixed Income	Mesirow	0.35% on the first \$10 million 0.25% on the next \$50 million 0.20% on the next \$150 million 0.15% on the next \$300 million 0.125% on the next \$500 million 0.10% on the balance	0.22% \$422,936	0.22%
nt. Govt. Fixed Income	Garcia Hamilton	0.25% on the first \$50 million 0.11% on the next \$50 million 0.06% on the balance	0.24% \$129,436	0.25%
Core Fixed Income	BlackRock U.S.Aggregate Bond Index	0.0175% on the balance	0.02% \$15,905	0.06%
_arge-Cap Core	BlackRock Russell 1000 Index Fund	0.015% on the balance	0.02% \$37,334	0.04%
Mid-Cap Core	BlackRock Mid Cap Equity Index Fund	0.01% on the balance	0.01% \$21,135	0.05%
Small-Cap Core	Macquarie SCC	0.65% on the first \$50 million 0.55% on the next \$50 million 0.45% on the balance	0.63% \$399,146	0.77%
Small-Cap Core	Earnest Partners SCC	0.80% on the first \$10 million 0.65% on the next \$10 million 0.50% on the balance	0.60% \$274,692	0.85%
Small-Cap Growth	Driehaus SCG	0.60% on the first \$50 million 0.50% on the next \$50 million 0.45% on the balance	0.60% \$193,307	0.90%
Non-U.S. Large-Cap Value	Artisan International Large Cap Value (APHKX)	1.03% on the balance	1.03% \$946,520	0.92%
Non-U.S. Large-Cap Core	Hardman Johnston	0.75% on the first \$25 million 0.60% on the next \$50 million 0.50% on the balance	0.65% \$467,689	0.65%
Non-U.S. Small-Cap Core	BlackRock MSCI EAFE Small Cap Index	0.045% on the balance	0.05% \$3,944	0.25%
Non-U.S. Small-Cap Core	Brown Capital International Small Cap	1.06% on the balance	1.06% \$125,239	1.29%
Emerging Markets	BlackRock Emerging Markets Free Fund	0.09% on the balance	0.09% \$10,553	0.20%
Emerging Markets	Goldman Sachs Emerging Markets Equity	0.45% on the balance	0.45% \$86,486	0.90%
Global Low-Volatility	BlackRock MSCI ACWI Min Volatility Index	0.025% on the balance	0.03% \$38,750	0.36%
Core Real Estate	Intercontinental U.S. Real Estate	1.10% on the first \$25 million 1.00% on the next \$25 million 0.85% on the next \$50 million 0.75% on the balance	1.10% \$166,734	1.00%
U.S. Private Equity FoF	Consequent Alternative Partners II, LP	1.00% on Committed Capital	2.36% \$210,000	2.36%
BO Private Equity	Pharos Capital Partners III	2.00% on Committed Capital	3.15% \$80,000	3.15%
Total Investment Management	Fees		0.27% \$3,629,806	0.35%

¹ Expense Ratio & Estimated Annual Fee are Based on Market Value at Month End.

² Source: 2019 Marquette Associates Investment Management Fee Study.



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(Preliminary, Subject to Change)



Pension Fund

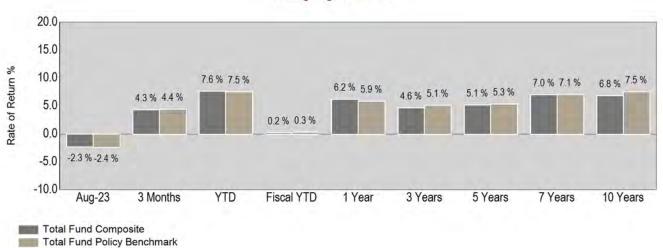
City of Atlanta Firefighters
Pension Fund
Executive Summary

August 31, 2023

Total Fund Composite

Market Value: \$811.0 Million and 100.0% of Fund

Return Summary Ending August 31, 2023



Return Summary YTD

	Total Return
Total Fund Composite	7.6%
Fixed Income Composite	1.2%
U.S. Equity Composite	13.9%
International Equity Composite	6.4%
Alternative Composite	-7.0%

Asset Allocation vs. Target

	Current	Current	Policy	Difference	%
Fixed Income Composite	\$201,090,276	24.8%	25.0%	-\$1,653,014	-0.2%
U.S. Equity Composite	\$364,284,091	44.9%	43.0%	\$15,565,632	1.9%
International Equity Composite	\$207,021,240	25.5%	27.0%	-\$11,941,513	-1.5%
Alternative Composite	\$24,419,560	3.0%	5.0%	-\$16,129,098	-2.0%
Cash Composite	\$14,157,994	1.7%	0.0%	\$14,157,994	1.7%
Total	\$810,973,161	100.0%	100.0%		

Summary of Cash Flows

	Last Three Months	Year-To-Date	One Year
Beginning Market Value	\$777,782,709	\$772,576,334	\$790,150,502
Net Cash Flow	-\$629,132	-\$20,445,783	-\$28,189,641
Net Investment Change	\$33,819,584	\$58,842,609	\$49,012,300
Ending Market Value	\$810,973,161	\$810,973,161	\$810,973,161



Market Value: \$811.0 Million and 100.0% of Fund

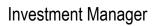
	Asset Class	Market Value (\$)	3 Mo Net Cash Flows (\$)	% of Portfolio	Policy %	Policy Difference (\$)
Total Fund Composite		810,973,161	-629,132	100.0	100.0	0
Fixed Income Composite		201,090,276	-634	24.8	25.0	-1,653,014
Garcia Hamilton	Core Fixed Income	55,703,920	-63	6.9		
Mesirow	Core Fixed Income	145,386,356	-571	17.9		
U.S. Equity Composite		364,284,091	-451	44.9	43.0	15,565,632
Large Cap Composite		170,769,225	0	21.1	19.0	16,684,324
BlackRock 1000 Index Fund	Large-Cap Core	170,769,225	0	21.1		
Mid Cap Composite		99,659,913	0	12.3	12.0	2,343,134
BlackRock Mid Cap Equity Index Fund	Mid-Cap Core	99,659,913	0	12.3		
Small Cap Composite		93,854,954	-451	11.6	12.0	-3,461,825
Northern Trust Collective Russell 2000 Index	Small-Cap Core	17,941,561	0	2.2		
Earnest SCC	Small-Cap Core	45,938,742	-451	5.7		
Driehaus SCG	Small-Cap Growth	29,974,651	0	3.7		
International Equity Composite		207,021,240	-10,625	25.5	27.0	-11,941,513
Ativo Capital	Non-U.S. Large-Cap Core	40,965,609	-10,625	5.1		
Hardman Johnston	Non-U.S. Large-Cap Core	9,851,560	0	1.2		
BlackRock MSCI EAFE Small Cap	Non-U.S. Small-Cap Core	15,893,821	0	2.0		
Brown Capital International Small Cap	Non-U.S. Small-Cap Core	11,814,978	0	1.5		
BlackRock Emerging Markets Free Fund	Emerging Markets	19,886,680	0	2.5		
Goldman Sachs Emerging Markets Equity	Emerging Markets	19,219,067	0	2.4		
Global Low Volatility Composite		89,389,525	0	11.0	-	89,389,525
BlackRock MSCI ACWI Min Volatility Index	Global Low-Volatility	89,389,525	0	11.0		
Alternative Composite		24,419,560	-839,488	3.0	5.0	-16,129,098
Intercontinental U.S. Real Estate	Core Real Estate	15,157,652	-107,781	1.9		
Consequent Alternative Partners II, L.P.	U.S. Private Equity FoF	6,357,865	-731,707	0.8		
ICV Partners III, L.P.	LBO Private Equity	1,632,664	0	0.2		
Pharos Capital Partners III	LBO Private Equity	1,271,379	0	0.2		
Cash Composite		14,157,994	222,067	1.7	0.0	14,157,994
Cash Account	Cash & Equivalents	831,593	-7,693,462	0.1		
Transition Account	Cash & Equivalents	5,118	-2	0.0		
NT Operating	Cash & Equivalents	13,321,282	7,915,531	1.6		

Annualized Performance (Net of Fees)

Market Value: \$811.0 Million and 100.0% of Fund

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	1 Mo	3 Mo	YTD	Fiscal YTD	1 Yr	2 Yrs	3 Yrs	5 Yrs	7 Yrs	10 Yrs	Inception	Inception Date
Total Fund Composite	-2.3%	4.3%	7.6%	0.2%	6.2%	-4.7%	4.6%	5.1%	7.0%	6.8%	8.1%	Jan-88
Total Fund Policy Benchmark	-2.4%	4.4%	7.5%	0.3%	5.9%	-4.2%	5.1%	5.3%	7.1%	7.5%	8.8%	Jan-88
Fixed Income Composite	-0.7%	-1.3%	1.2%	-0.9%	-1.1%	-6.2%	-4.3%	0.3%	0.2%	1.3%	5.1%	Jan-88
Fixed Income Composite Custom Benchmark	-0.6%	-1.1%	1.4%	-0.7%	-1.2%	-6.5%	-4.4%	0.3%	0.2%	1.4%	5.3%	Jan-88
Garcia Hamilton	-1.0%	-2.0%	1.0%	-1.5%	-1.8%	-5.7%	-4.1%	0.4%			0.8%	Dec-16
Bloomberg US Aggregate TR	-0.6%	-1.1%	1.4%	-0.7%	-1.2%	-6.5%	-4.4%	0.5%	0.3%	1.5%	0.7%	Dec-16
Mesirow	-0.6%	-1.0%	1.2%	-0.7%	-0.9%	-6.3%	-4.3%	0.6%	0.3%	1.5%	2.0%	May-10
Bloomberg US Aggregate TR	-0.6%	-1.1%	1.4%	-0.7%	-1.2%	-6.5%	-4.4%	0.5%	0.3%	1.5%	2.0%	May-10
U.S. Equity Composite	-2.6%	9.0%	13.9%	1.3%	11.5%	-2.4%	9.2%	7.7%	10.5%	9.7%	11.0%	Jan-88
Russell 3000	-1.9%	8.5%	18.0%	1.6%	14.8%	-0.2%	9.8%	10.2%	12.4%	12.2%	10.8%	Jan-88
Large Cap Composite	-1.7%	8.5%	18.6%	1.6%	15.4%	0.2%	9.9%	10.8%	12.6%	11.8%	10.9%	Jan-88
Russell 1000	-1.7%	8.5%	18.6%	1.6%	15.4%	0.2%	9.9%	10.8%	12.8%	12.6%	10.9%	Jan-88
BlackRock 1000 Index Fund	-1.7%	8.5%	18.6%	1.6%	15.4%	0.2%	9.9%	10.8%			11.3%	Dec-17
Russell 1000	-1.7%	8.5%	18.6%	1.6%	15.4%	0.2%	9.9%	10.8%	12.8%	12.6%	11.3%	Dec-17
Mid Cap Composite	-2.9%	10.4%	10.1%	1.1%	10.8%	-0.4%	12.9%	7.0%	10.1%	9.2%	8.2%	Jun-98
S&P 400 MidCap	-2.9%	10.4%	10.1%	1.1%	10.7%	-0.4%	12.8%	7.0%	9.5%	10.1%	9.8%	Jun-98
BlackRock Mid Cap Equity Index Fund	-2.9%	10.4%	10.1%	1.1%	10.8%	-0.4%	12.9%	7.0%			9.1%	Aug-17
S&P 400 MidCap	-2.9%	10.4%	10.1%	1.1%	10.7%	-0.4%	12.8%	7.0%	9.5%	10.1%	9.0%	Aug-17
Small Cap Composite	-3.8%	8.4%	10.0%	0.8%	5.6%	-7.7%	5.7%	2.9%	7.6%	5.9%	9.6%	Oct-01
Russell 2000	-5.0%	9.0%	9.0%	0.8%	4.7%	-7.3%	8.1%	3.1%	7.7%	8.0%	8.7%	Oct-01
Northern Trust Collective Russell 2000 Index	-5.0%	9.0%	9.1%	0.8%	4.8%	-7.2%	8.2%	3.2%			6.5%	Feb-17
Russell 2000	-5.0%	9.0%	9.0%	0.8%	4.7%	-7.3%	8.1%	3.1%	7.7%	8.0%	6.4%	Feb-17
Earnest SCC	-4.7%	6.5%	6.5%	-0.1%	3.6%			-			-5.7%	Oct-21
Russell 2000	-5.0%	9.0%	9.0%	0.8%	4.7%	-7.3%	8.1%	3.1%	7.7%	8.0%	-8.5%	Oct-21
Driehaus SCG	-1.7%	11.0%	16.4%	2.3%	9.1%						-14.7%	Oct-21
Russell 2000 Growth	-5.2%	7.5%	12.7%	-0.8%	6.8%	-10.7%	2.7%	2.5%	8.0%	8.2%	-11.9%	Oct-21





Annualized Performance (Net of Fees)

Market Value: \$811.0 Million and 100.0% of Fund

	1 Mo	3 Mo	YTD	Fiscal YTD	1 Yr	2 Yrs	3 Yrs	5 Yrs	7 Yrs	10 Yrs	Inception	Inception Date
International Equity Composite	-3.6%	3.5%	6.4%	-0.6%	7.2%	-8.5%	1.7%	3.7%	5.8%	5.1%	5.8%	Jul-10
International Equity Composite Custom Benchmark	-3.5%	3.2%	5.4%	-0.2%	6.2%	-6.2%	3.2%	2.8%	4.9%	4.1%	5.1%	Jul-10
Ativo Capital	-4.1%	6.4%	13.8%	-0.8%	17.5%	-3.0%	5.5%	3.7%	4.5%		4.3%	Jan-16
MSCI ACWI ex USA	-4.5%	3.8%	8.8%	-0.6%	11.9%	-5.1%	4.0%	3.3%	5.4%	4.4%	5.5%	Jan-16
Hardman Johnston	-6.0%	3.5%	5.5%	-1.3%	9.5%	-13.1%	-0.3%	5.1%	7.9%	7.1%	7.2%	Jul-10
MSCI ACWI ex USA	-4.5%	3.8%	8.8%	-0.6%	11.9%	-5.1%	4.0%	3.3%	5.4%	4.4%	5.4%	Jul-10
BlackRock MSCI EAFE Small Cap	-3.4%	4.0%	7.0%	1.0%	10.0%	-9.5%	2.9%	2.0%			1.6%	Dec-17
MSCI EAFE Small Cap	-3.3%	3.9%	6.5%	1.0%	9.2%	-10.1%	2.4%	1.5%	5.1%	5.7%	1.1%	Dec-17
Brown Capital International Small Cap	-5.1%	3.2%	10.9%	-2.3%	11.8%						-15.1%	Dec-21
MSCI ACWI ex US Small Cap	-2.8%	5.7%	9.1%	2.1%	10.0%	-7.7%	4.9%	3.1%	5.6%	5.6%	-7.8%	Dec-21
BlackRock Emerging Markets Free Fund	-6.2%	3.4%	4.4%	-0.4%	1.4%	-11.1%	-1.6%	0.8%			-0.6%	Dec-17
MSCI Emerging Markets	-6.2%	3.5%	4.6%	-0.3%	1.3%	-11.0%	-1.4%	1.0%	3.8%	3.0%	-0.5%	Dec-17
Goldman Sachs Emerging Markets Equity	-5.6%	2.6%	3.7%	-1.8%	-0.9%				-		-13.2%	Feb-22
MSCI Emerging Markets	-6.2%	3.5%	4.6%	-0.3%	1.3%	-11.0%	-1.4%	1.0%	3.8%	3.0%	-8.3%	Feb-22
BlackRock MSCI ACWI Min Volatility Index	-1.9%	2.4%	3.7%	-0.3%	5.1%	-2.1%	3.9%		-		6.1%	Apr-20
MSCI ACWI Minimum Volatility Index	-1.9%	2.3%	3.4%	-0.4%	4.6%	-2.5%	3.5%	4.4%	5.8%	7.2%	5.7%	Apr-20
Alternative Composite	0.0%	-4.6%	-7.0%	0.0%	-10.1%	-0.7%	5.5%	2.5%	4.1%	3.2%	4.5%	Dec-12
Intercontinental U.S. Real Estate	0.0%	-6.3%	-9.8%	0.0%	-14.3%	4.4%	5.6%	5.8%	7.4%		8.0%	Aug-14
NFI-ODCE	0.0%	-1.0%	-6.1%	0.0%	-10.9%	4.9%	7.0%	5.3%	5.8%	7.5%	7.1%	Aug-14
Consequent Alternative Partners II, L.P.	0.0%	0.0%	-0.3%	0.0%	-2.5%	-3.9%	5.3%	0.0%	1.7%	1.3%	1.6%	Dec-12
Consequent Alt BM	0.0%	0.0%	-0.3%	0.0%	-2.5%	-3.9%	5.3%	0.0%	1.7%	1.3%	1.6%	Dec-12

Calendar Performance (Net of Fees)

Market Value: \$811.0 Million and 100.0% of Fund

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	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
Total Fund Composite	-16.4%	13.3%	17.5%	21.5%	-6.4%	16.1%	8.6%	-2.5%	3.8%	22.4%	13.0%
Total Fund Policy Benchmark	-15.4%	14.5%	15.1%	22.1%	-6.5%	15.2%	9.7%	-0.2%	8.7%	21.9%	13.1%
InvMetrics Public DB > \$250mm Net Rank	94	62	6	6	92	33	14	88	81	1	34
Fixed Income Composite	-12.2%	-2.0%	7.6%	7.9%	-0.2%	4.4%	2.9%	0.4%	4.4%	-1.9%	4.2%
Fixed Income Composite Custom Benchmark	-13.0%	-1.5%	7.4%	8.0%	-0.2%	4.4%	2.2%	0.8%	5.0%	-2.0%	4.2%
InvMetrics Public DB Total Fix Inc Net Rank	63	97	53	68	49	60	64	40	34	69	74
Garcia Hamilton	-11.2%	-2.3%	8.0%	7.0%	0.8%	3.5%	-		-	-	
Bloomberg US Aggregate TR	-13.0%	-1.5%	7.5%	8.7%	0.0%	3.5%	2.6%	0.5%	6.0%	-2.0%	4.2%
eV US Core Fixed Inc Net Rank	8	93	61	93	10	71					
Mesirow	-12.5%	-1.8%	8.3%	8.8%	-0.6%	3.4%	2.8%	-0.1%	6.4%	-2.3%	5.5%
Bloomberg US Aggregate TR	-13.0%	-1.5%	7.5%	8.7%	0.0%	3.5%	2.6%	0.5%	6.0%	-2.0%	4.2%
eV US Core Fixed Inc Net Rank	26	77	43	67	75	78	65	86	22	82	60
U.S. Equity Composite	-19.0%	21.8%	20.3%	28.4%	-6.3%	18.9%	12.7%	-4.9%	5.1%	34.8%	16.8%
Russell 3000	-19.2%	25.7%	20.9%	31.0%	-5.2%	21.1%	12.7%	0.5%	12.6%	33.6%	16.4%
InvMetrics Public DB US Eq Net Rank	80	97	18	87	58	79	50	97	98	36	21
Large Cap Composite	-19.1%	26.5%	21.0%	31.5%	-4.7%	20.7%	11.1%	-0.3%	7.2%	32.0%	16.1%
Russell 1000	-19.1%	26.5%	21.0%	31.4%	-4.8%	21.7%	12.1%	0.9%	13.2%	33.1%	16.4%
eV US Large Cap Core Equity Net Rank	75	56	18	29	34	59	26	58	96	49	29
BlackRock 1000 Index Fund	-19.1%	26.5%	21.0%	31.5%	-4.8%	-		-	-	-	
Russell 1000	-19.1%	26.5%	21.0%	31.4%	-4.8%	21.7%	12.1%	0.9%	13.2%	33.1%	16.4%
eV US Large Cap Core Equity Net Rank	75	56	18	29	37						



Calendar Performance (Net of Fees)

Market Value: \$811.0 Million and 100.0% of Fund

Calendar Year

	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
Mid Cap Composite	-13.0%	24.8%	13.8%	26.3%	-6.6%	15.7%	15.3%	-9.1%	7.1%	40.1%	17.0%
S&P 400 MidCap	-13.1%	24.8%	13.7%	26.2%	-11.1%	16.2%	20.7%	-2.2%	9.8%	33.5%	17.9%
eV US Mid Cap Core Equity Net Rank	34	59	51	78	24	74	30	94	66	15	32
BlackRock Mid Cap Equity Index Fund	-13.0%	24.8%	13.8%	26.3%	-11.0%	-					
S&P 400 MidCap	-13.1%	24.8%	13.7%	26.2%	-11.1%	16.2%	20.7%	-2.2%	9.8%	33.5%	17.9%
eV US Mid Cap Core Equity Net Rank	34	59	51	78	51						
Small Cap Composite	-23.0%	10.7%	27.7%	23.8%	-9.2%	19.1%	10.9%	-13.6%	-3.4%	43.6%	19.8%
Russell 2000	-20.4%	14.8%	20.0%	25.5%	-11.0%	14.6%	21.3%	-4.4%	4.9%	38.8%	16.3%
eV US Small Cap Core Equity Net Rank	88	97	18	52	36	17	93	99	97	21	11
Northern Trust Collective Russell 2000 Index	-20.4%	14.8%	20.1%	25.7%	-10.9%						
Russell 2000	-20.4%	14.8%	20.0%	25.5%	-11.0%	14.6%	21.3%	-4.4%	4.9%	38.8%	16.3%
eV US Small Cap Core Equity Net Rank	75	92	30	40	49						
Earnest SCC	-15.8%										
Russell 2000	-20.4%	14.8%	20.0%	25.5%	-11.0%	14.6%	21.3%	-4.4%	4.9%	38.8%	16.3%
eV US Small Cap Equity Net Rank	46				-						
Driehaus SCG	-34.0%				-				_	_	
Russell 2000 Growth	-26.4%	2.8%	34.6%	28.5%	-9.3%	22.2%	11.3%	-1.4%	5.6%	43.3%	14.6%
eV US Small Cap Growth Equity Net Rank	76				-						



Calendar Performance (Net of Fees)

Market Value: \$811.0 Million and 100.0% of Fund

Calendar Year

	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
International Equity Composite	-19.8%	6.1%	20.2%	25.8%	-14.4%	31.4%	-1.1%	-1.2%	-2.7%	18.5%	15.6%
International Equity Composite Custom Benchmark	-15.8%	8.3%	10.7%	21.4%	-14.7%	27.2%	4.5%	-5.7%	-3.9%	15.3%	16.8%
InvMetrics Public DB Dev Mkt ex-US Eq Net Rank	98	78	11	34	48	11	84	37	19	82	99
Ativo Capital	-17.5%	13.2%	7.5%	19.7%	-13.6%	21.2%	-3.6%		-		-
MSCI ACWI ex USA	-16.0%	7.8%	10.7%	21.5%	-14.2%	27.2%	4.5%	-5.7%	-3.9%	15.3%	16.8%
eV ACWI ex-US Large Cap Equity Net Rank	47	24	76	80	31	95	89		-		-
Hardman Johnston	-23.7%	1.3%	35.6%	33.4%	-13.9%	37.5%	1.2%	-0.3%	0.4%	17.3%	15.6%
MSCI ACWI ex USA	-16.0%	7.8%	10.7%	21.5%	-14.2%	27.2%	4.5%	-5.7%	-3.9%	15.3%	16.8%
eV EAFE Large Cap Core Net Rank	96	99	1	1	45	1	29	50	5	91	92
BlackRock MSCI EAFE Small Cap	-20.8%	10.4%	12.8%	25.6%	-17.5%	-			_		-
MSCI EAFE Small Cap	-21.4%	10.1%	12.3%	25.0%	-17.9%	33.0%	2.2%	9.6%	-4.9%	29.3%	20.0%
eV EAFE Small Cap Equity Net Rank	50	64	38	38	26	-		-			
Brown Capital International Small Cap	-31.4%	-		-		_	-	-	_		
MSCI ACWI ex US Small Cap	-20.0%	12.9%	14.2%	22.4%	-18.2%	31.6%	3.9%	2.6%	-4.0%	19.7%	18.5%
Foreign Small/Mid Growth MStar MF Rank	66										
BlackRock Emerging Markets Free Fund	-20.2%	-2.7%	18.0%	18.2%	-14.6%	_		-	_		-
MSCI Emerging Markets	-20.1%	-2.5%	18.3%	18.4%	-14.6%	37.3%	11.2%	-14.9%	-2.2%	-2.6%	18.2%
eV Emg Mkts Large Cap Equity Net Rank	70	63	44	65	24			-			
Goldman Sachs Emerging Markets Equity		-									
MSCI Emerging Markets	-20.1%	-2.5%	18.3%	18.4%	-14.6%	37.3%	11.2%	-14.9%	-2.2%	-2.6%	18.2%
eV Emg Mkts All Cap Equity Net Rank						-					-
BlackRock MSCI ACWI Min Volatility Index	-10.0%	14.2%		-			-		-		
MSCI ACWI Minimum Volatility Index	-10.3%	13.9%	2.7%	21.1%	-1.6%	17.9%	7.4%	2.8%	11.0%	16.9%	10.1%
eV Global Low Volatility Equity Net Rank	55	76							-		-
Alternative Composite	-0.4%	16.4%	12.8%	-7.9%	6.0%	7.7%	4.7%	4.4%	1.6%	4.8%	
InvMetrics Public DB Alts Net Rank	55	74	12	99	36	43	74	47	86	92	
Intercontinental U.S. Real Estate	7.2%	20.2%	1.1%	8.2%	9.8%	7.7%	12.1%	12.7%	_		
NFI-ODCE	6.5%	21.1%	0.3%	4.4%	7.4%	6.7%	7.8%	14.0%	11.5%	12.9%	9.8%
Consequent Alternative Partners II, L.P.	-11.2%	15.6%	22.3%	-20.0%	4.9%	7.0%	0.1%	0.2%	0.8%	4.0%	
Consequent Alt BM	-11.2%	15.6%	22.3%	-20.0%	4.9%	7.0%	0.1%	0.2%	0.8%	4.0%	

Private Markets Composite

Performance Summary

Private Market Investments Overview

Investments		Commit	ments	Contributions &	Distributions	Valuati	ions		Perform	nance	
Investment Name	Vintage Year	Commitment (\$)	Unfunded Commitment (\$)	Cumulative Contributions (\$)	Cumulative Distributions (\$)	Valuation (\$)	Total Value (\$)	DPI	TVPI	RVPI	IRR (%)
GrayCo Alternative Partners II, L.P.	2012	15,000,000	2,671,339	12,328,661	8,403,614	6,357,865	14,761,479	0.68	1.20	0.52	2.10
ICV Partners III, L.P.	2014	2,000,000	18,723	2,279,484	1,243,869	1,632,664	2,876,533	0.55	1.26	0.72	4.03
Pharos Capital Partners III, L.P.	2014	2,000,000	40,000	1,960,000	2,288,620	1,271,379	3,559,999	1.17	1.82	0.65	11.38
Total		19,000,000	2,730,062	16,568,145	11,936,104	9,261,908	21,198,012	0.72	1.28	0.56	3.17

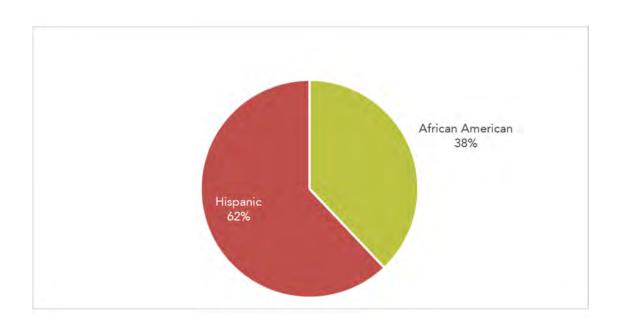


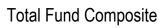
Market Values

		Asset Class	Market Value	% of Portfolio	% of Total Fund
Total MWDBE Composite			\$155,694,628	100.0%	19.2%
Garcia Hamilton	(H)	Core Fixed Income	\$55,703,920	35.8%	6.9%
Ativo	(H)	Non-U.S. Large-Cap Core	\$40,965,609	26.3%	5.1%
Earnest SCC	(AA)	Small-Cap Core	\$45,938,742	29.5%	5.7%
Brown Capital International Small Cap	(AA)	Non-U.S. Small-Cap Core	\$11,814,978	7.6%	1.5%
Pharos Capital Partners III	(AA)	LBO Private Equity	\$1,271,379	0.8%	0.2%

(AA) African American		
(A) Asian		Actual %
(H) Hispanic	Minority	19.2%
(NA) Native American	Female	0.0%
(W) Women	Disabled	0.0%

^{*}Please note: our calculations do not include Consequent Capital Management





Fee Schedule

Market Value: \$811.0 Million and 100.0% of Fund

Asset Class	Investment Manager	Fee Schedule	t Value: \$811.0 Million and Expense Ratio & Estimated Annual Fee 1	Industry Median ²
Non-U.S. Large-Cap Core	Ativo Capital	0.65% on the first \$100 million 0.55% on the balance	0.65% \$266,276	0.68%
Large-Cap Core	BlackRock 1000 Index Fund	0.01% on the balance	0.01% \$17,077	0.04%
Mid-Cap Core	BlackRock Mid Cap Equity Index Fund	0.01% on the balance	0.01% \$9,966	0.06%
Core Fixed Income	Garcia Hamilton	0.25% on the first \$50 million 0.11% on the next \$50 million 0.06% on the balance	0.24% \$131,274	0.26%
J.S. Private Equity FoF	Consequent Alternative Partners II, L.P.	1.00% on Committed Capital	2.36% \$150,000	2.36%
BO Private Equity	ICV Partners III, L.P.	2.00% on Committed Capital Plus 20.0% Carried Interest, over an 8% Hurdle	2.45% \$40,000	2.45%
Core Real Estate	Intercontinental U.S. Real Estate	1.10% on the first \$25 million 1.00% on the next \$25 million 0.85% on the next \$50 million 0.75% on the balance	1.10% \$166,734	1.00%
Ion-U.S. Large-Cap Core	Hardman Johnston	0.75% on the first \$25 million 0.60% on the next \$50 million 0.50% on the balance	0.75% \$73,887	0.68%
Small-Cap Core	Earnest SCC	0.80% on the first \$10 million 0.65% on the next \$10 million 0.50% on the balance	0.60% \$274,694	0.85%
Core Fixed Income	Mesirow	0.35% on the first \$10 million 0.25% on the next \$50 million 0.20% on the next \$150 million 0.15% on the next \$300 million 0.125% on the next \$500 million 0.10% on the balance	0.23% \$330,773	0.22%
Small-Cap Core	Northern Trust Collective Russell 2000 Index	0.04% on the balance	0.04% \$7,177	0.05%
BO Private Equity	Pharos Capital Partners III	2.00% on Committed Capital	3.15% \$40,000	3.15%
Emerging Markets	BlackRock Emerging Markets Free Fund	0.06% on the balance	0.06% \$11,932	0.20%
Emerging Markets	Goldman Sachs Emerging Markets Equity	0.45% on the balance	0.45% \$86,486	0.90%
Non-U.S. Small-Cap Core	BlackRock MSCI EAFE Small Cap	0.045% on the balance	0.05% \$7,152	0.25%
Global Low-Volatility	BlackRock MSCI ACWI Min Volatility Index	0.025% on the balance	0.03% \$22,347	0.42%
Small-Cap Growth	Driehaus SCG	0.60% on the first \$50 million 0.50% on the next \$50 million 0.45% on the balance	0.60% \$179,848	0.90%
Non-U.S. Small-Cap Core	Brown Capital International Small Cap	1.06% on the balance	1.06% \$125,239	1.29%
Total Investment Managemen	it Fees		0.24% \$1,940,862	0.35%

Expense Ratio & Estimated Annual Fee are Based on Market Value at Month End.
 Source: 2019 Marquette Associates Investment Management Fee Study.



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