



TRAILING ANNUAL INDEX PERFORMANCE

Equity								
	1 MTH	YTD	1 YR	3 YR	5 YR	10 YR		
MSCI ACWI	3.1%	8.2%	23.2%	7.0%	10.9%	8.7%		
S&P 500	3.2%	10.6%	29.9%	11.5%	15.0%	13.0%		
Russell 1000	3.2%	10.3%	29.9%	10.5%	14.8%	12.7%		
Russell 2000	3.6%	5.2%	19.7%	-0.1%	8.1%	7.6%		
Russell 2500	4.1%	6.9%	21.4%	3.0%	9.9%	8.8%		
MSCI EAFE	3.3%	5.8%	15.3%	4.8%	7.3%	4.8%		
MSCI EM	2.5%	2.4%	8.2%	-5.1%	2.2%	2.9%		

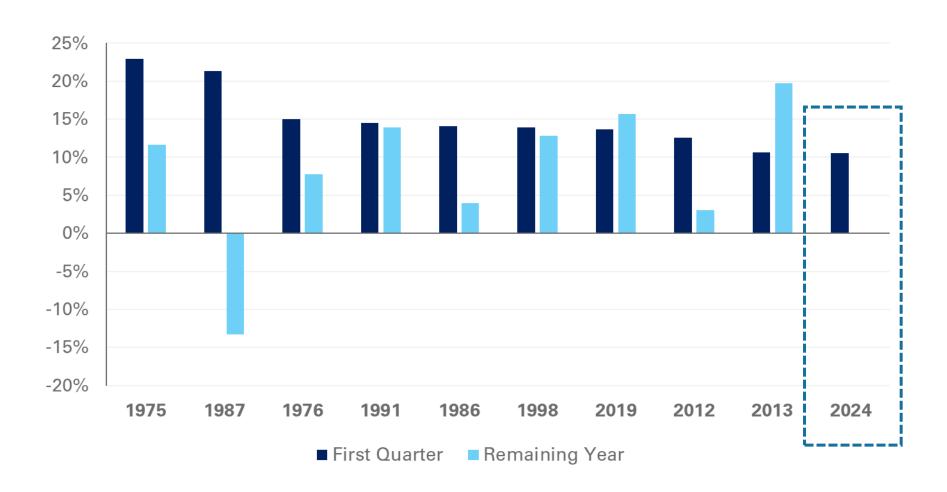
Credit								
	1 MTH	YTD	1 YR	3 YR	5 YR	10 YR		
BBG Global Agg	0.6%	-2.1%	0.5%	-4.7%	-1.2%	-0.1%		
BBG US Agg	0.9%	-0.8%	1.7%	-2.5%	0.4%	1.5%		
BBG Credit	1.2%	-0.4%	4.1%	-1.9%	1.4%	2.5%		
BBG US HY	1.2%	1.5%	11.2%	2.2%	4.2%	4.4%		
BBG Muni	0.0%	-0.4%	3.1%	-0.4%	1.6%	2.7%		
BBG Muni HY	1.2%	1.5%	7.9%	0.6%	3.0%	4.6%		
BBG TIPS	0.8%	-0.1%	0.5%	-0.5%	2.5%	2.2%		
BBG 20+ STRIPS	1.1%	-6.0%	-12.2%	-12.6%	-5.1%	1.2%		
BBG Long Treasuries	1.2%	-3.3%	-6.1%	-8.0%	-2.8%	1.2%		
BBG Long Credit	1.9%	-1.6%	3.3%	-4.3%	0.8%	3.1%		
BBG Govt/Credit 1-3 Yr	0.4%	0.4%	3.5%	0.2%	1.4%	1.3%		
JPM EMBI Glob Div	2.1%	2.0%	11.3%	-1.4%	0.7%	3.0%		
JPM GBI-EM Glob Div	0.0%	-2.1%	4.9%	-1.6%	0.1%	-0.3%		

Real Assets								
1 MTH YTD 1 YR 3 YR 5 YR 10 YR								
BBG Commodity	3.3%	2.2%	-0.6%	9.1%	6.4%	-1.6%		
Alerian Midstream Index	6.5%	10.2%	24.6%	20.5%	10.5%	4.8%		
NAREIT Composite Index	1.9%	-1.3%	8.4%	2.1%	3.6%	6.7%		



STRONG START TO THE YEAR FOR THE S&P 500

BEST FIRST QUARTER TOTAL RETURNS: S&P 500

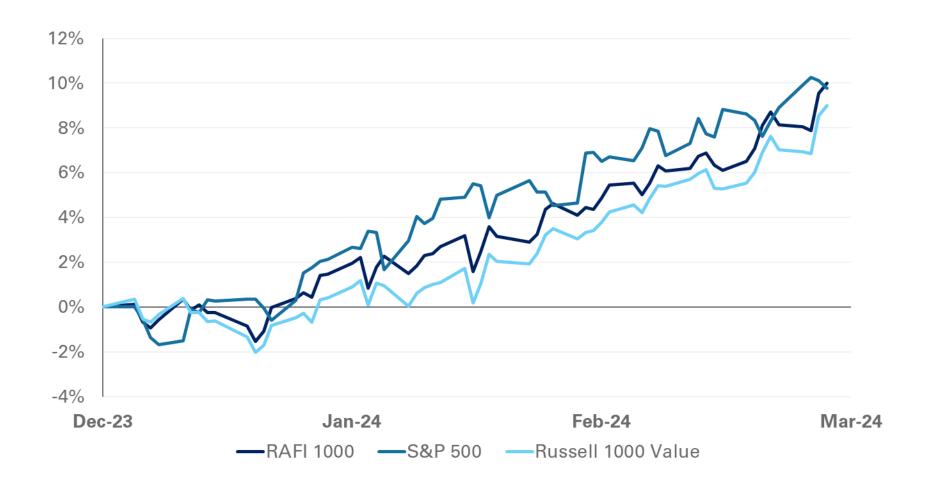




Calculated from 1/1/1970 – 3/31/2024 Sources: S&P, FactSet

THE S&P RALLY EXPANDED BEYOND THE MAG-7

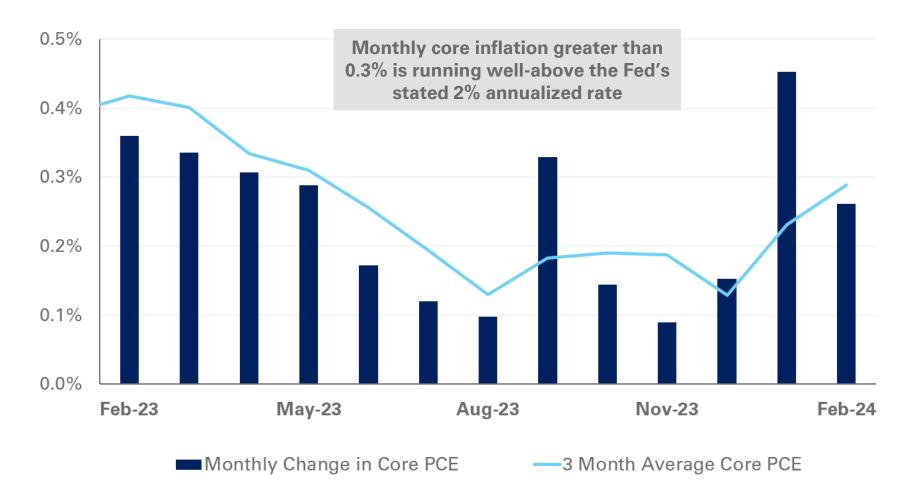
CUMULATIVE TOTAL RETURNS





CORE INFLATION IS RUNNING ABOVE FED TARGET

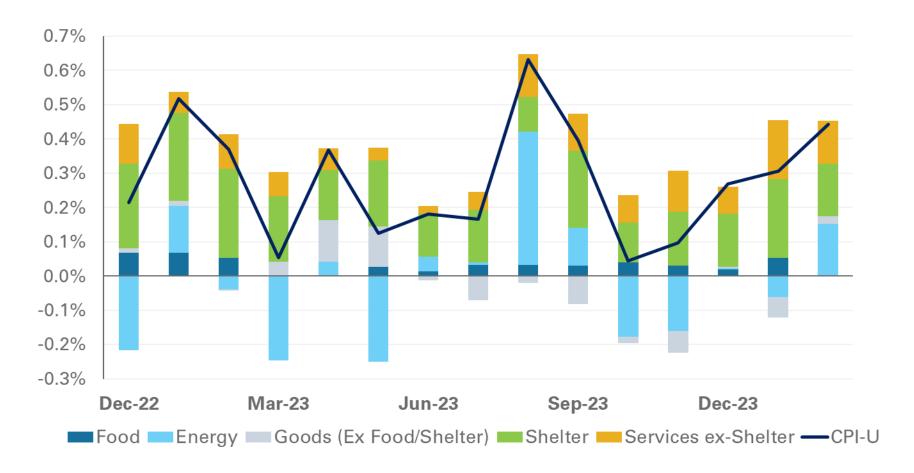
MONTHLY CHANGE IN CORE PCE (EX-FOOD AND ENERGY)





U.S. INFLATION METRICS HAVE RE-ACCELERATED

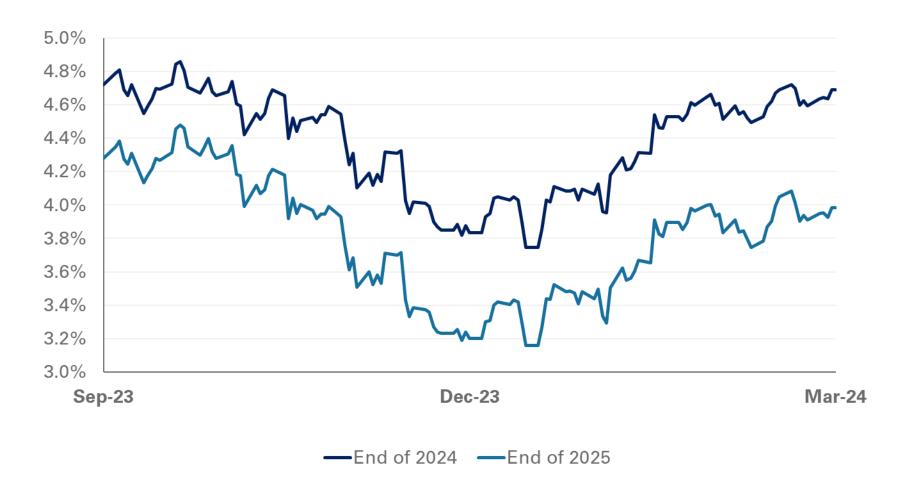
MONTHLY CHANGES IN CPI-U BY CATEGORY





MARKET RATE EXPECTATIONS ROSE

FED FUND FUTURES IMPLIED RATES: 2024 AND 2025 YEAR-END

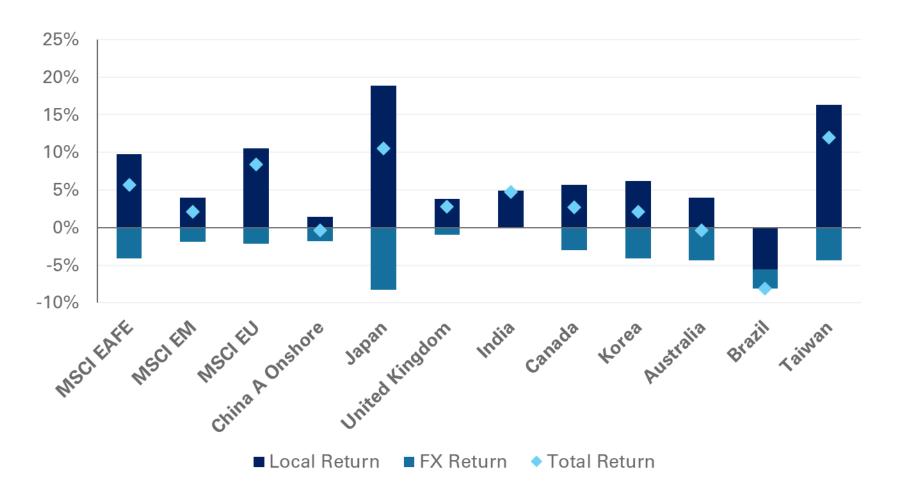




Source: FactSet

A STRONG DOLLAR WEIGHED ON NON-U.S. ASSETS

QUARTERLY TOTAL RETURNS







TOTAL FUND PERFORMANCE SUMMARY

NET OF FEES

	Allocation	Performance (%)					
	Market Value (\$)	3 Mo (%)	FYTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)
Total Fund	14,983,773,816	2.3 (95)	7.1 (84)	8.1 (91)	6.3 (4)	8.2 (24)	7.1 (27)
Policy Index		3.6 (52)	9.3 (23)	12.0 (32)	2.8 (93)	5.9 (100)	5.4 (100)
S&P 500 Index		10.6 (1)	19.4 (1)	29.9 (1)	11.5 (1)	15.0 (2)	13.0 (2)
Blmbg. U.S. Aggregate Index		-0.8 (100)	2.6 (98)	1.7 (100)	-2.5 (100)	0.4 (100)	1.5 (100)
60% MSCI World/40% FTSE WGBI		4.3 (28)	10.7 (8)	14.5 (7)	2.9 (90)	6.8 (76)	5.8 (100)
InvMetrics Public DB > \$1 Billion Median		3.6	8.6	11.5	4.3	7.3	6.5

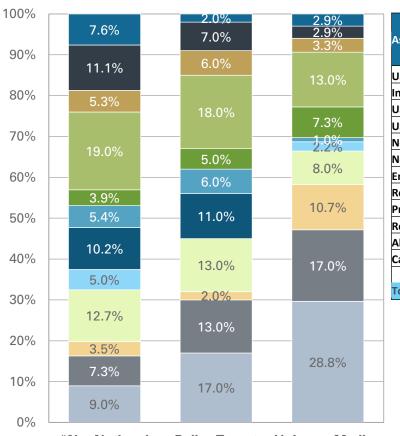
3 Years Ending March 31, 2024							
Return Standard Sharpe Sortino Deviation Ratio Ratio							
Total Fund	6.30 (4)	5.62 (1)	0.66 (2)	0.99 (4)			
Policy Index	2.75 (93)	10.94 (72)	0.07 (93)	0.09 (93)			
InvMetrics Public DB > \$1 Billion Median	4.27	10.19	0.21	0.30			

5 Years Ending March 31, 2024							
Return Standard Sharpe Sortino Deviation Ratio Ratio							
Total Fund	8.17 (24)	7.46 (1)	0.81 (4)	1.24 (4)			
Policy Index	5.89 (100)	10.55 (35)	0.41 (95)	0.59 (92)			
InvMetrics Public DB > \$1 Billion Median	7.34	11.03	0.52	0.77			

10 Years Ending March 31, 2024							
Return Standard Sharpe Sortino Deviation Ratio Ratio							
Total Fund	7.14 (27)	5.85 (1)	0.97 (4)	1.51 (5)			
Policy Index	5.38 (100)	8.37 (35)	0.51 (97)	0.76 (93)			
InvMetrics Public DB > \$1 Billion Median	6.51	8.93	0.60	0.89			



ASSET ALLOCATION COMPLIANCE



Asset Class	*Net Notional Exposure	Net Notional Exposure	Policy Target	Difference	Policy Ranges	Within Range
US Equities	1,344,947	9.0%	17.0%	-8.0%_	10%-27%	No
Int'l Equities	1,096,438	7.3%	13.0%	-5.7%	8%-18%	No
US Core Fixed Income	526,930	3.5%	2.0%	1.5%_	-3%-7%	Yes
US Credit	1,895,544	12.7%	13.0%	-0.3%	8%-18%	Yes
Non-US Core Fixed Income	749,189	5.0%	0.0%	5.0%	-5%-5%	Yes
Non-US Credit	1,534,572	10.2%	11.0%	-0.8%_	6%-16%	Yes
Emerging Market Debt	805,296	5.4%	6.0%	-0.6%	1%-10%	Yes
Real Estate	582,251	3.9%	5.0%	-1.1%	0%-10%	Yes
Private Equity	2,847,280	19.0%	18.0%	1.0%_	6%-23%	Yes
Real Assets	796,905	5.3%	6.0%	-0.7%	0%-10%	Yes
Absolute Return	1,663,587	11.1%	7.0%	4.1%	0%-12%	Yes
Cash	1,140,836	7.6%	2.0%	5.6%_	0%-10%	Yes
				· ·	·	
Total	14,983,774	100.00%	100.00%			

Policy Target Universe Median *Net Notional **Exposure**

■ US Equities U.S. Core ■ Non-US Core Fixed Income ■ Non-US Credit ■ Emerging Market Debt ■ Private Equity ■ Absolute Return

■ Int'l Equities US Credit

■ Real Estate ■ Real Assets

Cash

Note: Notional values are sourced from Russell Investments. Net synthetic exposure applied to Non-US Core Fixed Income and Non-US Credit.

INVESTMENT EXPOSURE SUMMARY

OVERLAY AS OF MARCH 31, 2024

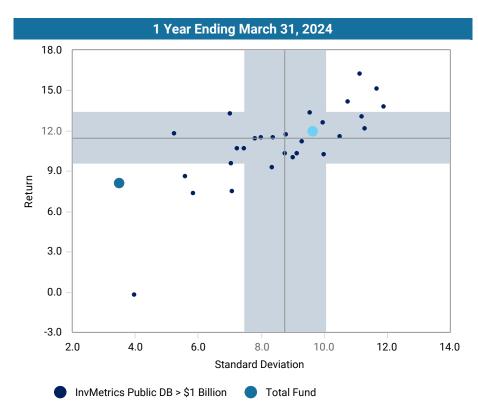
			Delta Adju	usted						
Asset Class	Physical E	xposure	Synthetic E	xposure	Net Po	sition	Overlay :	Target	Policy Ta	irget
Total Market Value	14,897.2	100.0%	0.0	0.0%	14,897.2	100.0%	14,897.2	100.0%	14,897.2	100.00%
Cash	1,713.1	11.5%	-1,403.8	-9.4%	309.3	2.1%	0.0	0.0%	0.0	0.00%
Cash	1,713.1	11.5%	-1,403.8	-9.4%	309.3	2.1%	0.0	0.0%	0.0	0.00%
Equity	2,733.9	18.4%	-292.7	-2.0%	2,441.3	16.4%	3,187.4	21.4%	3,217.8	21.60%
Emerging Markets	490.6	3.3%	105.3	0.7%	595.9	4.0%	590.3	4.0%	595.9	4.00%
International Developed	449.4	3.0%	56.0	0.4%	505.4	3.4%	590.3	4.0%	595.9	4.00%
US Large Cap	1,793.7	12.0%	-549.6	-3.7%	1,244.0	8.4%	1,844.6	12.4%	1,862.2	12.50%
US Small Cap	0.3	0.0%	95.7	0.6%	95.9	0.6%	162.3	1.1%	163.9	1.10%
Fixed	3,920.0	26.3%	1,696.5	11.4%	5,616.5	37.7%	5,179.6	34.8%	5,228.9	35.10%
Global ex US Fixed Income	1,882.5	12.6%	1,169.5	7.9%	3,052.1	20.5%	3,025.1	20.3%	3,053.9	20.50%
High Yield	1,791.7	12.0%	0.0	0.0%	1,791.7	12.0%	1,387.1	9.3%	1,400.3	9.40%
US Fixed Income	245.8	1.7%	526.9	3.5%	772.8	5.2%	767.3	5.2%	774.7	5.20%
Other	6,530.2	43.8%	0.0	0.0%	6,530.2	43.8%	6,530.2	43.8%	6,450.5	43.30%
Alternatives	4.0	0.0%	0.0	0.0%	4.0	0.0%	4.0	0.0%	0.0	0.00%
Commodities	659.4	4.4%	0.0	0.0%	659.4	4.4%	659.4	4.4%	655.5	4.40%
Infrastructure	159.8	1.1%	0.0	0.0%	159.8	1.1%	159.8	1.1%	119.2	0.80%
Private Equity	2,821.8	18.9%	0.0	0.0%	2,821.8	18.9%	2,821.8	18.9%	2,785.8	18.70%
Real Estate	561.2	3.8%	0.0	0.0%	561.2	3.8%	561.2	3.8%	566.1	3.80%
Tactical Cash	2,324.0	15.6%	0.0	0.0%	2,324.0	15.6%	2,324.0	15.6%	2,324.0	15.60%

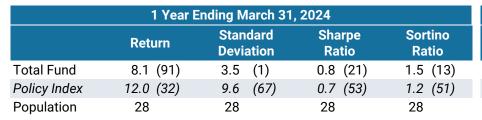


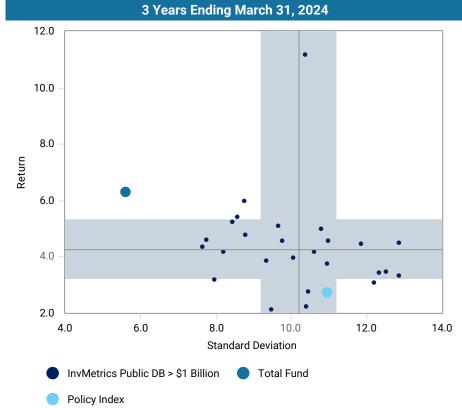
Source: Russell Investments

RISK VS. RETURN

Policy Index



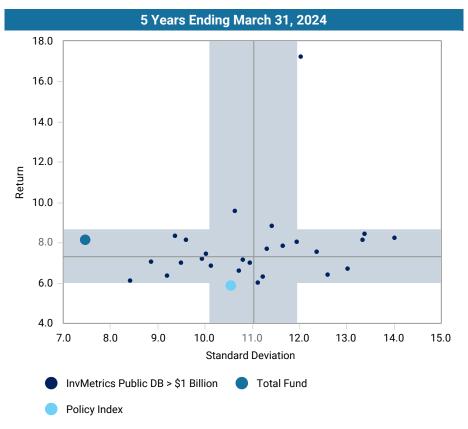




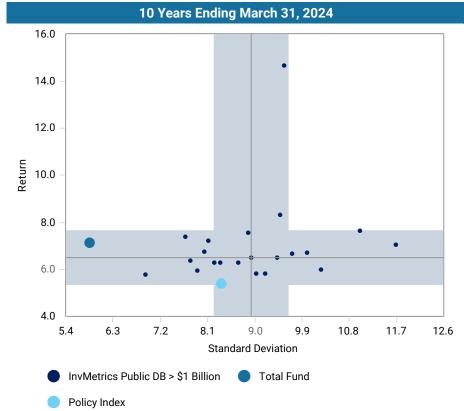
3 Years Ending March 31, 2024								
	Return	Standard Deviation	Sharpe Ratio	Sortino Ratio				
Total Fund	6.3 (4)	5.6 (1)	0.7 (2)	1.0 (4)				
Policy Index	2.8 (93)	10.9 (72)	0.1 (93)	0.1 (93)				
Population	26	26	26	26				



RISK VS. RETURN

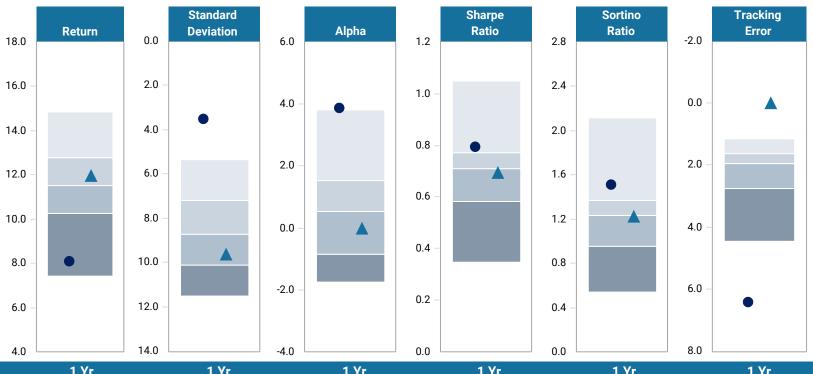


5 Years Ending March 31, 2024							
	Return	Standard Deviation	Sharpe Ratio	Sortino Ratio			
Total Fund	8.2 (24)	7.5 (1)	0.8 (4)	1.2 (4)			
Policy Index	5.9 (100)	10.6 (35)	0.4 (95)	0.6 (92)			
Population	26	26	26	26			



10 Years Ending March 31, 2024								
	Return	Standard Deviation	Sharpe Ratio	Sortino Ratio				
Total Fund	7.1 (27)	5.9 (1)	1.0 (4)	1.5 (5)				
Policy Index	5.4 (100)	8.4 (35)	0.5 (97)	0.8 (93)				
Population	21	21	21	21				





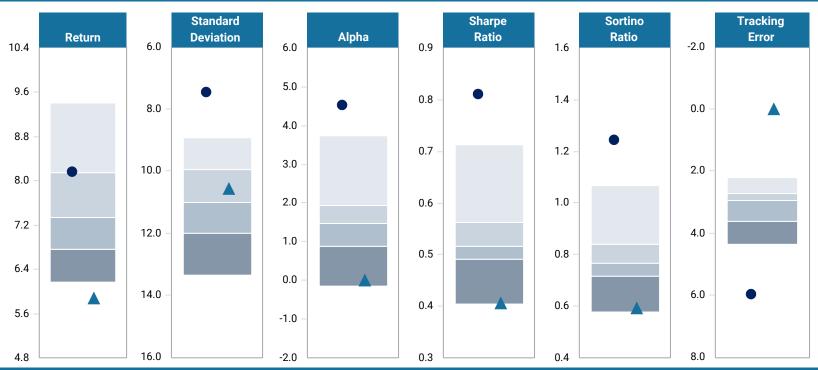
	1 Yr (%)					
Total Fund	8.1 (91)	3.5 (1)	3.9 (5)	0.8 (21)	1.5 (13)	6.4 (98)
▲ Policy Index	12.0 (32)	9.6 (67)	0.0 (58)	0.7 (53)	1.2 (51)	0.0 (1)
5th Percentile	14.9	5.3	3.8	1.0	2.1	1.2
1st Quartile	12.8	7.2	1.5	0.8	1.4	1.6
Median	11.5	8.8	0.5	0.7	1.2	1.9
3rd Quartile	10.2	10.1	-0.8	0.6	1.0	2.8
95th Percentile	7.4	11.5	-1.8	0.3	0.5	4.5
Population	28	28	28	28	28	28





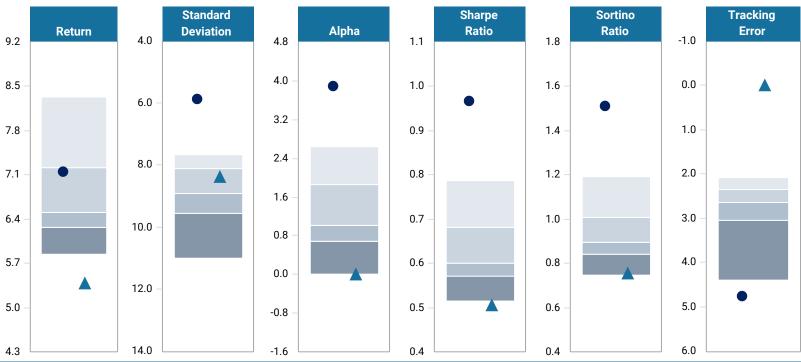
	3 Yrs (%)					
Total Fund	6.3 (4)	5.6 (1)	4.9 (4)	0.7 (2)	1.0 (4)	6.4 (96)
▲ Policy Index	2.8 (93)	10.9 (72)	0.0 (94)	0.1 (93)	0.1 (93)	0.0 (1)
5th Percentile	5.9	7.8	3.6	0.4	0.6	1.7
1st Quartile	4.8	8.8	2.5	0.3	0.4	2.1
Median	4.3	10.2	1.5	0.2	0.3	2.6
3rd Quartile	3.5	11.0	0.6	0.1	0.2	3.3
95th Percentile	2.4	12.7	-0.1	0.0	0.0	4.2
Population	26	26	26	26	26	26





	5 Yrs (%)					
Total Fund	8.2 (24)	7.5 (1)	4.5 (4)	0.8 (4)	1.2 (4)	6.0 (96)
▲ Policy Index	5.9 (100)	10.6 (35)	0.0 (92)	0.4 (95)	0.6 (92)	0.0 (1)
5th Percentile	9.4	8.9	3.7	0.7	1.1	2.2
1st Quartile	8.2	10.0	1.9	0.6	0.8	2.7
Median	7.3	11.0	1.5	0.5	0.8	3.0
3rd Quartile	6.8	12.0	0.9	0.5	0.7	3.6
95th Percentile	6.2	13.4	-0.2	0.4	0.6	4.4
Population	26	26	26	26	26	26





	10 Yrs (%)					
Total Fund	7.1 (27)	5.9 (1)	3.9 (5)	1.0 (4)	1.5 (5)	4.8 (95)
▲ Policy Index	5.4 (100)	8.4 (35)	0.0 (96)	0.5 (97)	0.8 (93)	0.0 (1)
5th Percentile	8.3	7.7	2.6	0.8	1.2	2.1
1st Quartile	7.2	8.1	1.9	0.7	1.0	2.4
Median	6.5	8.9	1.0	0.6	0.9	2.6
3rd Quartile	6.3	9.6	0.7	0.6	0.8	3.0
95th Percentile	5.8	11.0	0.0	0.5	0.7	4.4
Population	21	21	21	21	21	21



1 Years Ending March 31, 2024									
	Return	Standard Deviation	Tracking Error	Information Ratio					
Domestic Equity With Beta Overlay	24.0	13.5	2.1	-2.1					
Russell 3000 Index	29.3	14.4	0.0						
International Equity With Beta Overlay	8.9	13.2	2.4	-1.9					
MSCI AC World ex USA index	13.8	15.1	0.0						
Global Fixed Income With Beta Overlay	4.9	2.3	7.1	0.6					
Blmbg. Global Aggregate	0.5	8.3	0.0						
U.S. Credit Strategies	10.5	1.6	3.6	-0.2					
50% CS Leveraged Loan / 50% ICE BofA US HY BB-B Rated Constrained Index	11.3	3.8	0.0						
Non-U.S. Credit Composite	4.0	6.0	10.4	-0.6					
ICE BofA Euro High Yield Constrained TR	10.2	9.3	0.0						
Emerging Markets Debt Composite	4.9	2.4	8.1	-0.4					
50% JPM EMBI Global Diversified/50% JPM GBI - EM Global Diversified	8.1	8.9	0.0						
Alpha Pool Composite	12.5	1.9	1.9	2.0					
91 Day T-Bill + 3%	8.4	0.1	0.0						
Private Equity Composite	4.9	3.2	4.1	-0.2					
C A Global All PE (Qtr Lag)	5.6	3.4	0.0						
Real Estate Composite	-6.7	2.6	5.5	0.2					
NCREIF Property Index 1 Qtr. Lag	-7.9	3.7	0.0						
Real Assets Composite	11.3	3.8	10.5	0.3					
Real Assets Custom Blend	7.9	11.2	0.0						



3 Years Ending March 31, 2024									
	Return	Standard Deviation	Tracking Error	Information Ratio					
Domestic Equity With Beta Overlay	6.4	16.7	2.5	-1.3					
Russell 3000 Index	9.8	17.8	0.0						
International Equity With Beta Overlay	0.7	12.9	4.2	-0.5					
MSCI AC World ex USA index	2.4	16.4	0.0						
Global Fixed Income With Beta Overlay	5.7	3.7	7.0	1.4					
Blmbg. Global Aggregate	-4.7	8.7	0.0						
U.S. Credit Strategies	6.7	3.9	4.5	0.6					
50% CS Leveraged Loan / 50% ICE BofA US HY BB-B Rated Constrained Index	4.0	5.6	0.0						
Non-U.S. Credit Composite	11.0	6.6	11.7	1.0					
ICE BofA Euro High Yield Constrained TR	-2.0	12.6	0.0						
Emerging Markets Debt Composite	1.0	4.4	9.3	0.2					
50% JPM EMBI Global Diversified/50% JPM GBI - EM Global Diversified	-1.5	10.5	0.0						
Alpha Pool Composite	5.7	3.8	3.6	0.0					
91 Day T-Bill + 3%	5.7	0.7	0.0						
Private Equity Composite	14.3	7.3	10.1	0.4					
C A Global All PE (Qtr Lag)	10.0	10.1	0.0						
Real Estate Composite	5.4	5.0	8.9	0.1					
NCREIF Property Index 1 Qtr. Lag	4.6	7.1	0.0						
Real Assets Composite	14.7	5.0	11.4	0.5					
Real Assets Custom Blend	7.6	12.3	0.0						



5 Years Ending March 31, 2024									
	Return	Standard Deviation	Tracking Error	Information Ratio					
Domestic Equity With Beta Overlay	11.4	18.8	2.8	-0.9					
Russell 3000 Index	14.3	18.9	0.0						
International Equity With Beta Overlay	4.8	15.3	3.7	-0.5					
MSCI AC World ex USA index	6.5	17.6	0.0						
Global Fixed Income With Beta Overlay	5.8	6.4	8.0	0.8					
Blmbg. Global Aggregate	-1.2	7.5	0.0						
U.S. Credit Strategies	7.8	6.8	5.8	0.5					
50% CS Leveraged Loan / 50% ICE BofA US HY BB-B Rated Constrained Index	4.7	7.6	0.0						
Non-U.S. Credit Composite	7.1	8.6	12.2	0.4					
ICE BofA Euro High Yield Constrained TR	1.7	13.4	0.0						
Emerging Markets Debt Composite	0.6	6.1	9.6	0.0					
50% JPM EMBI Global Diversified/50% JPM GBI - EM Global Diversified	0.5	11.2	0.0						
Alpha Pool Composite	5.2	6.2	6.2	0.0					
91 Day T-Bill + 3%	5.1	0.6	0.0						
Private Equity Composite	15.6	8.3	12.7	0.1					
C A Global All PE (Qtr Lag)	14.0	12.8	0.0						
Real Estate Composite	5.5	4.2	7.2	0.1					
NCREIF Property Index 1 Qtr. Lag	4.3	5.6	0.0						
Real Assets Composite	11.4	9.4	10.6	0.4					
Real Assets Custom Blend	6.1	11.7	0.0						



10 Years Ending March 31, 2024									
	Return	Standard Deviation	Tracking Error	Information Ratio					
Domestic Equity	6.6	13.5	8.1	-0.7					
Russell 3000 Index	12.3	15.6	0.0						
International Equity	2.2	15.8	8.3	-0.7					
MSCI AC World Index (Net)	8.7	14.7	0.0						
International Emerging	0.9	15.2	5.3	-0.4					
MSCI Emerging Markets (Net)	2.9	17.2	0.0						
U.S. Credit Strategies	6.7	5.3	5.0	0.4					
50% CS Leveraged Loan / 50% ICE BofA US HY BB-B Rated Constrained Index	4.5	6.0	0.0						
Non-U.S. Credit Composite	6.6	6.5	11.0	0.5					
ICE BofA Euro High Yield Constrained TR	0.8	11.5	0.0						
Emerging Markets Debt Composite	2.1	5.7	7.9	0.0					
50% JPM EMBI Global Diversified/50% JPM GBI - EM Global Diversified	1.4	9.6	0.0						
Alpha Pool Composite	4.7	5.0	5.0	0.1					
91 Day T-Bill + 3%	4.4	0.5	0.0						
Private Equity Composite	14.2	6.5	10.2	0.1					
C A Global All PE (Qtr Lag)	12.4	9.9	0.0						
Real Estate Composite	7.1	3.7	6.2	0.0					
NCREIF Property Index 1 Qtr. Lag	6.8	4.9	0.0						
Real Assets Composite	6.2	7.9	8.6	0.5					
Real Assets Custom Blend	2.0	9.3	0.0						



INVESTMENT MANAGER TOP 10

ASSETS UNDER MANAGEMENT AS OF MARCH 31, 2024

Manager	Market Value	Portfolio %
SSGA	\$1,915,915,992.37	12.79%
GoldenTree	\$1,469,867,535.96	9.81%
Russell	\$812,724,130.47	5.42%
Alcentra	\$744,488,340.95	4.97%
Ares	\$720,577,572.05	4.81%
Zais	\$713,343,613.46	4.76%
Partners Group	\$690,894,338.87	4.61%
Pinnacle	\$661,307,676.63	4.41%
Tobam	\$653,151,160.86	4.36%
Pathway	\$648,767,504.67	4.33%
Total	\$9,031,037,866.29	60.27%



PUBLIC EQUITY PORTFOLIO

			Russell Investments Russell 1000 Index	Overlay exposure to an index of largest 1,000 stocks (by market cap) in the Russell 3000
	iities irget)	Large Cap (14.5%)	SSGA S&P500 Index Fund	Index of 500 of the largest US publicly-traded companies in US
	US Equities (17% Target)		TOBAM Anti-Benchmark US Equity Fund	Rules-based index focused on a more efficiently diversified benchmark vs. MSCI US
		Small Cap (2.5%)	Russell Investments Russell 2000 Index	Overlay exposure to an index of smallest 2,000 stocks (by market cap) in the Russell 3000
ortfolio et)			Russell Investments MSCI EAFE Index	Overlay exposure to an index of large/mid-cap stocks across 21 developed markets ex-US/Canada
Public Equity Portfolio (30% Target)		Developed Markets (7%)	SSGA MSCI World ex-USA Index Fund	Index of publicly-traded large-cap and mid-cap equities in 22 developed countries ex-US
ublic E	quities et)		TOBAM Anti-Benchmark World ex-US Fund	Rules-based index focused on a more efficiently diversified benchmark vs. MSCI World ex-US
<u>ā</u>	nternational Equities (13% Target)		Russell Investments MSCI EM Index	Overlay exposure to an index of large/mid-cap stocks across 27 emerging markets
	Interna (1	Emerging Markets (6%)	TOBAM Anti-Benchmark EM Equity Fund	Rules-based index focused on a more efficiently diversified benchmark vs. MSCI Emerging Markets
			William Blair EM Growth Fund	Diversified, all-cap portfolio investing in high quality growth companies in emerging markets
			Wasatch EM Select Fund	Concentrated portfolio investing in emerging market opportunities over a 3-5 year investment horizon



GLOBAL EQUITY STRATEGIES - NET

	Allocatio	n			Performa	nce (%)		
	Market Value (\$)	% of Portfolio	3 Mo (%)	FYTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)
Total Equity	2,731,370,612	18.2	7.8	13.9	19.0	4.3	8.7	5.6
MSCI AC World Index (Net)			<u>8.2</u>	<u>16.0</u>	<u>23.2</u>	<u>7.0</u>	<u>10.9</u>	<u>8.7</u>
Over/Under			-0.4	-2.1	-4.2	-2.7	-2.2	-3.1
Domestic Equity With Beta Overlay	1,344,946,665	9.0	10.0	17.4	24.0	6.4	11.4	
Russell 3000 Index			<u>10.0</u>	<u>19.3</u>	<u>29.3</u>	<u>9.8</u>	<u>14.3</u>	
Over/Under			0.0	-1.9	-5.3	-3.4	-2.9	
Domestic Equity	1,796,811,150	12.0	10.1	16.9	24.3	8.3	12.3	6.6
Russell 3000 Index			<u>10.0</u>	<u>19.3</u>	<u>29.3</u>	<u>9.8</u>	<u>14.3</u>	<u>12.3</u>
Over/Under			0.1	-2.4	-5.0	-1.5	-2.0	-5.7
Tobam AB US Equity	365,707,251	2.4	8.6 (52)	9.1 (90)	8.7 (96)	0.6 (90)	7.8 (89)	
Russell 3000 Index			<u>10.0</u> (37)	<u>19.3</u> (36)	<u>29.3</u> (28)	<u>9.8</u> (31)	<u>14.3</u> (25)	
Over/Under			-1.4	-10.2	-20.6	-9.2	-6.5	
Large Cap Equity	1,430,833,723	9.5	10.5 (30)	19.4 (34)	29.9 (24)	11.3 (17)	14.6 (23)	8.4 (75)
S&P 500 Index			<u>10.6</u> (30)	<u>19.4</u> (34)	<u>29.9</u> (24)	<u>11.5</u> (15)	<u>15.0</u> (17)	<u>13.0</u> (15)
Over/Under			-0.1	0.0	0.0	-0.2	-0.4	-4.6
SSgA S&P500	1,429,812,307	9.5	10.5 (30)	19.4 (34)	29.9 (24)	11.3 (17)	15.0 (19)	10.6 (42)
S&P 500 Index			<u>10.6</u> (30)	<u>19.4</u> (34)	<u>29.9</u> (24)	<u>11.5</u> (15)	<u>15.0</u> (17)	<u>13.0</u> (15)
Over/Under			-0.1	0.0	0.0	-0.2	0.0	-2.4
Russell US Large Cap Volatility	1,021,416	0.0						
Small Cap Equity	270,175	0.0						
Russell US Small Cap Volatility	270,175	0.0	1.4	4.2	5.6	2.8	2.1	-3.5



GLOBAL EQUITY STRATEGIES - NET

	Allocation	on		Performance (%)				
	Market	% of	3 Mo	FYTD	1 Yr	3 Yrs	5 Yrs	10 Yrs
Later and Emily Wild Data Constant	Value (\$)	Portfolio	(%)	(%)	(%)	(%)	(%)	(%)
International Equity With Beta Overlay	1,096,438,343	7.3	2.8	6.8	8.9	0.7	4.8	
MSCI AC World ex USA index			<u>4.8</u>	<u>10.9</u>	<u>13.8</u>	<u>2.4</u>	<u>6.5</u>	
Over/Under	024 550 460		-2.0	-4.1	-4.9	-1.7	-1.7	0.0
International Equity	934,559,462	6.2	2.8	7.6	9.1	-3.7	1.3	2.2
MSCI AC World Index (Net) Over/Under			<u>8.2</u>	<u>16.0</u>	<u>23.2</u>	<u>7.0</u>	<u>10.9</u>	<u>8.7</u>
	446 707 464	2.0	-5.4	-8.4 9.0	-14.1	-10.7	-9.6 2.5	-6.5
International Developed	446,707,464	3.0	4.3		11.3	0.1	2.5	2.3
MSCI EAFE (Net) Over/Under			<u>5.8</u>	<u>12.0</u>	<u>15.3</u>	<u>4.8</u>	<u>7.3</u>	<u>4.8</u>
Russell International Volatility	17,878	0.0	-1.5	-3.0	-4.0	-4.7	-4.8	-2.5
•	183,900,461	1.2	2.2 (02)	4.0 (02)	F 6 (0.4)	2.0 (06)	0.4 (00)	
Tobam AB World Ex-US Equity	183,900,401	1.2	2.3 (82)	4.9 (92)	5.6 (94)	-3.0 (86)	0.4 (99)	
MSCI AC World ex USA (Net) Over/Under			<u>4.7</u> (55) -2.4	<u>10.6</u> (46) -5.7	<u>13.3</u> (49) -7.7	<u>1.9</u> (53) -4.9	<u>6.0</u> (69) -5.6	
SSGA MSCI World Ex-US Equity	262,789,124	1.8	5.7 (38)	12.1 (34)	15.7 (33)	-4.9	-5.0	
MSCI World ex U.S.	202,709,124	1.0	5.7 (38) 5.7 (38)	٠,,	15.7 (33) 15.9 (32)			
Over/Under			<u>3.7</u> (30) 0.0	<u>12.2</u> (33) -0.1	<u>13.9</u> (32) -0.2			
International Emerging	487,851,998	3.3	0.0	5.9	6.9	-6.3	-0.3	0.9
MSCI Emerging Markets (Net)	407,031,990	3.3	2.4	7.2	8.2	-5.1	<u>2.2</u>	2.9
Over/Under			2.4 -1.5	-1.3	<u>0.2</u> -1.3	- <u>5. /</u> -1.2	<u>2.2</u> -2.5	-2.0
Tobam	103,543,448	0.7	1.8 (69)	3.8 (82)	4.8 (81)	-7.7 (81)	-1.9 (99)	-2.0
MSCI Emerging Markets (Net)	103,343,440	0.7	2.4 (58)	7.2 (54)	8.2 (61)	-7.7 (81) - <u>5.1</u> (60)	2.2 (74)	
Over/Under			2.4 (36) -0.6	-3.4	<u>8.2</u> (01) -3.4	- <u>3.1</u> (00) -2.6	<u>2.2</u> (74) -4.1	
Wasatch EM Select	216,761,504	1.4	-3.3	4.5	5.2	-2.0	-4.1	
MSCI Emerging Markets (Net)	210,701,304	1.4	-3.3 <u>2.4</u>	7.2	8.2			
Over/Under			2.4 -5.7	-2.7	<u>0.2</u> -3.0			
William Blair EM Growth	167,547,047	1.1	4.4	9.5	11.4			
MSCI Emerging Markets (Net)	107,047,047	1.1	2.4	7.2	8.2			
Over/Under			2.4 2.0	2.3	<u>8.2</u> 3.2			
Over/ Unidel			2.0	2.3	3.2			



GLOBAL DEBT STRATEGIES

		Core Fixed Income (2%)	Russell Investments Bloomberg Barclays US Agg Bond TR	Broad based band market index of intermediate term investment grade bands in US
			Analla Atlas Warehouse Co (MCA)	Broad-based bond market index of intermediate-term investment grade bonds in US
			Apollo Assat-Backed Finance Fund (MCA)	Global lending franchise (formerly CSFB securitized products group) originating warehouse assets Diversified portofile of asset-backed products across consumer finance, resi commercial, and hard/financial assets
			Apollo Asset-Backed Finance Fund (MCA) Apollo Credit Strategies Fund LP (MCA)	Diversified portoflio of asset-backed products across consumer finance, resi/commercial, and hard/financial assets Long/short credit fund focused on capital structure arbitrage, defensive credit, stressed credit and distressed credit
			- · · · · · · · · · · · · · · · · · · ·	
			Apollo Offshore Credit Fund LTD (MCA)	Global credit fund focused on bank loans, structured credit, and bonds
	<u>o</u>		Bardin Hill Direct Portfolio (MCA)	Co-investments in event-driven/special situation and mispriced credit opportunities
	et 3		Bardin Hill Opportunistic Credit Fund (MCA)	Investments in quality, stable businesses trading at discounts and/or creative structured situations
	ar grand		Bardin Hill Opportunistic Credit Fund II (MCA)	Investments in quality, stable businesses trading at discounts and/or creative structured situations
	ked ⊤	Credit Strategies/	Bardin Hill Solutions Fund LP (MCA)	Credit fund with focus on event-driven/special situations
	S Fixed Income (15% Target)	High Yield Strategies (13%)		Credit fund with focus on mispriced credit opportunities
	S S		GoldenTree Distressed Debt Fund 2010	Fund focused on global distressed, restructuring and turnaround opportunities
			GoldenTree Asset Management SMA	SMA with opportunistic relative-value approach to bonds, loans, structured credit, distressted debt and emerging markets
			Kayne Anderson BDC (MCA)	BDC investing in third-party and secondary market CLO opportunities
			Waterfall Ready Capital Corp. (MCA)	Publicly traded REIT specializing in small balance commercial real estate loans
			Waterfall Asset Management SMA (MCA)	Separate account focused on multi-sector high yield loans and bonds
			Waterfall Mortgage Loan Opportunity Fund (MCA)	Fund investing in assets sold by non-bank mortgage companies given interest rate-related liquidity stress
				Fund investing in ABS, primarily residential whole loans originated on a primary or secondary basis
		International Core (0%)	Russell Investments (Barclays Global Aggregate ex-US	2 11 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
			_Unhedged)	Broad-based bond market index of investment grade debt from 24 local currency markets ex-USD
			Alcentra Limited SMA	SMA investing in European and US performing and non-performing bonds/loans, and CLO equity
gies			Alcentra European Direct Lending Fund	2013 fund investing in European direct lending opportunities
t eg			Alcentra Strategic Credit Fund	2015 fund investing in European CLOs and stressed/distressed credit opportunities
Global Debt Strategies (32% Target)			Alcentra Structured Credit Opportunity Fund III	2017 fund investing in European CLO opportunities
ebt 6.			Alcentra Viaduct Fund LP	2018 fund investing in European CLO opportunities including CLO warehousing, risk retention, and equity
32%			Cairn Capital Limited SMA	SMA focused on opportunistic European credit, private asset backed, regulatory risk transfer, European CLOs
oba ,			Cairn Capstone Special Opportunities Fund	Fund focused on cash-flow oriented regulatory risk transfer, private asset backed loans, and structured credit
ซี		International	Cairn Loan Investments	European CLO Risk Retention vehicle
		Credit (11%)	Cairn Loan Investments II	European CLO Risk Retention vehicle
			Cairn Pathfinder I	Barclays regulatory capital risk transfer on UK mid cap corporate RCF
	e e		Cairn Pathfinder III	Barclays regulatory capital risk transfer on global (70% US) large cap corporate RCF
	Global Fixed Income (17% Target)		Marathon Asset Management SMA	SMA focused on opportunistic global stressed and distressed credit, restructured real estate, and credit-related real assets
	arge d		Marathon CLO Equity Fund	Legacy risk retention vehicle that maintains an economic interest in Marathon issued CLO equity
	ixe Ta		Marathon European Credit Opportunity Fund III	Fund focused on European commercial real estate credit
	al F		Marathon Structured Product Strategies Fund II	Fund focused on private asset-backed secured debt across mulitple sectors
	9 9		Marathon Structured Product Strategies Fund III	Fund focused on private asset-backed secured debt across mulitple sectors (transports, real estate, healthcare, etc.)
	o o		Finisterre EM Debt Total Return Fund	Fund focused on an all-weather strategy across the cycle in emerging markets
			Gramercy Capital Solutions Fund (MCA)	2018 fund engaged in emerging markets corporate direct lending
			Gramercy Capital Solutions Fund II (MCA)	2021 fund engaged in emerging markets corporate direct lending
			Gramercy Distressed Argentina Fund III Private (MCA)	Fund engaged in Argentina-focused corporate direct lending
			Gramercy Distressed Argentina Fund IV Private (MCA)	Fund engaged in opportunistic Argentina focused sovereign positions
			Gramercy Distressed Opportunity Fund II (MCA)	Diversified emerging markets hedge fund
		Emerging Market Debt (6%)	Gramercy Distressed Opportunity Fund III (MCA)	Diversified emerging markets hedge fund
		Desit (0/6)	Gramercy Separate Account (MCA)	Stressed and distressed emerging market credit investments in public and private assets.
			Gramercy Venezuela Opportunity Fund (MCA)	Venezuelan sovereign-focused fund
			Gramercy Emerging Markets Dynamic Credit Fund (MCA)	Performing and opportunistic credit in public and private markets weighted with a top-down view
			Gramercy Venezuela Opportunity Fund II (MCA)	OFAC-compliant distressed credit related to Venezuela
			Gramercy Venezuela Special Situations Fund (MCA)	Litigation financing (e.g. ICSID claims) related to Venezuela
			PGIM Emerging Market Debt Opportunities Fund	Fund investing in sovereign bonds, local bonds, corporate bonds and currencies in emerging economies.



GLOBAL DEBT STRATEGIES - NET

	Allocatio	on						
	Market Value (\$)	% of Portfolio	3 Mo (%)	FYTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)
Global Fixed Income With Beta Overlay	5,502,009,412	36.7	1.1	5.5	4.9	5.7	5.8	
Blmbg. Global Aggregate			<u>-2.1</u>	<u>2.1</u>	<u>0.5</u>	<u>-4.7</u>	<u>-1.2</u>	
Over/Under			3.2	3.4	4.4	10.4	7.0	
Total Fixed	3,860,631,613	25.8	2.1	7.3	6.9	5.8	5.1	5.2
Blmbg. U.S. Aggregate Index			<u>-0.8</u>	<u>2.6</u>	<u>1.7</u>	<u>-2.5</u>	<u>0.4</u>	<u>1.5</u>
Over/Under			2.9	4.7	5.2	8.3	4.7	3.7
U.S. Credit Strategies	1,745,317,389	11.6	2.2 (6)	8.2 (11)	10.5 (10)	6.7 (1)	7.8 (1)	6.7 (1)
50% CS Leveraged Loan / 50% ICE BofA US HY BB-B Rated Constrained Index			<u>1.9</u> (7)	<u>8.9</u> (5)	<u>11.3</u> (9)	<u>4.0</u> (2)	<u>4.7</u> (2)	<u>4.5</u> (1)
Over/Under			0.3	-0.7	-0.8	2.7	3.1	2.2
Stone Tower Offshore Credit (Apollo)	182,727,070	1.2	3.2	9.7	11.9	6.0	6.4	5.6
Beach Point Capital (Formerly Post)	316,676,624	2.1	3.3	7.4	9.0	5.5	8.0	7.3
Mackay / Gold Coast	1,667	0.0						
Stone Tower Credit (Apollo)	145,024,960	1.0	2.0	4.3	8.1	5.4	9.5	7.3
Gold Coast Capital IV	95,756	0.0	-34.9	-32.0	-30.5	-12.1	-5.4	
Waterfall Asset Management	53,909,341	0.4	-5.2	-6.2	4.9	2.8	5.9	
Waterfall Victoria	69,318,125	0.5	-1.0	-7.3	-11.5	-2.3	0.9	
KAYNE ANDERSON BDC, LLC	64,567,569	0.4	3.2	23.9	24.1	15.2		
Apollo Asset Backed Finance Fund	50,000,000	0.3						
Apollo Atlas Warehouse CO	5,099,712	0.0						
Golden Tree Asset Management	728,743,276	4.9	2.1	10.3	13.3	9.7	10.6	9.8



GLOBAL DEBT STRATEGIES - NET

	Allocation			Performance (%)					
	Market Value (\$)	% of Portfolio	3 Mo (%)	FYTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	
Non-U.S. Fixed Income Composite	2,115,314,224	14.1	2.0	6.5	4.4	6.8	4.3	4.8	
Blmbg. Global Aggregate Ex USD			<u>-3.2</u>	<u>1.5</u>	<u>-0.7</u>	<u>-6.5</u>	<u>-2.5</u>	<u>-1.4</u>	
Over/Under			5.2	5.0	5.1	13.3	6.8	6.2	
Non-U.S. Credit Composite	1,310,018,586	8.7	2.3	8.8	4.0	11.0	7.1	6.6	
ICE BofA Euro High Yield Constrained TR			<u>-0.6</u>	<u>8.0</u>	<u>10.2</u>	<u>-2.0</u>	<u>1.7</u>	<u>8.0</u>	
Over/Under			2.9	0.8	-6.2	13.0	5.4	5.8	
Marathon/Gold Coast	226,670,893	1.5	0.0	0.3	-0.4	5.2	6.1	7.2	
ICE BofA Euro High Yield Constrained TR			<u>-0.6</u>	<u>8.0</u>	<u>10.2</u>	<u>-2.0</u>	<u>1.7</u>	<u>8.0</u>	
Over/Under			0.6	-7.7	-10.6	7.2	4.4	6.4	
Halcyon Asset Management	222,071,672	1.5	-1.0 (93)	0.6 (100)	0.2 (100)	13.3 (1)	4.7 (2)		
ICE BofA Euro High Yield Constrained TR			<u>-0.6</u> (83)	<u>8.0</u> (12)	<u>10.2</u> (10)	<u>-2.0</u> (59)	<u>1.7</u> (50)		
Over/Under			-0.4	-7.4	-10.0	15.3	3.0		
Cairn Composite	116,787,679	0.8	-0.3 (74)	12.0 (4)	18.2 (2)	11.3 (1)	7.8 (1)	6.4 (1)	
ICE BofA Euro High Yield Constrained TR			<u>-0.6</u> (83)	<u>8.0</u> (12)	<u>10.2</u> (10)	<u>-2.0</u> (59)	<u>1.7</u> (50)	<u>0.8</u> (91)	
Over/Under			0.3	4.0	8.0	13.3	6.1	5.6	
Alcentra - KT1	637,355,198	4.3	4.8	13.6	-0.1	12.5	8.3		
ICE BofA Euro High Yield Constrained TR			<u>-0.6</u>	<u>8.0</u>	<u>10.2</u>	<u>-2.0</u>	<u>1.7</u>		
Over/Under			5.4	5.6	-10.3	14.5	6.6		
Alcentra SP1 - KT1	116,913	0.0	62.6	75.0	83.8	51.2	3.5		
ICE BofA Euro High Yield Constrained TR			<u>-0.6</u>	<u>8.0</u>	<u>10.2</u>	<u>-2.0</u>	<u>1.7</u>		
Over/Under			63.2	67.0	73.6	53.2	1.8		
Alcentra SP2 - KT1	13,300,723	0.1	-6.4	-3.8	-5.8	10.4	-4.1		
ICE BofA Euro High Yield Constrained TR			<u>-0.6</u>	<u>8.0</u>	<u>10.2</u>	<u>-2.0</u>	<u>1.7</u>		
Over/Under			-5.8	-11.8	-16.0	12.4	-5.8		
Alcentra SP4 - KT1	93,715,507	0.6	8.7	12.8	15.7	15.2	11.6		
ICE BofA Euro High Yield Constrained TR			<u>-0.6</u>	<u>8.0</u>	<u>10.2</u>	<u>-2.0</u>	<u>1.7</u>		
Over/Under			9.3	4.8	5.5	17.2	9.9		



GLOBAL DEBT STRATEGIES - NET

	Allocatio	n	Performance (%)					
	Market Value (\$)	% of Portfolio	3 Mo (%)	FYTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)
Emerging Markets Debt Composite	805,295,639	5.4	1.5 (56)	3.1 (85)	4.9 (92)	1.0 (13)	0.6 (80)	2.1 (63)
50% JPM EMBI Global Diversified/50% JPM GBI - EM Global Diversified			<u>-0.1</u> (76)	<u>5.6</u> (67)	<u>8.1</u> (67)	<u>-1.5</u> (76)	<u>0.5</u> (81)	<u>1.4</u> (71)
Over/Under			1.6	-2.5	-3.2	2.5	0.1	0.7
Ashmore Emerging Markets Liquid Investments	6,803	0.0						
JP Morgan GBI - EM Global Diversified Index			<u>-2.1</u> (90)	<u>2.3</u> (91)	<u>4.9</u> (92)	<u>-1.6</u> (78)	<u>0.1</u> (87)	<u>-0.3</u> (91)
Over/Under								
Gramercy Funds Management LLC	572,208,816	3.8	1.7 (53)	2.0 (95)	3.8 (99)	2.9 (5)	1.1 (64)	3.1 (30)
JP Morgan ELMI+ TR USD			<u>-1.1</u> (83)	<u>3.1</u> (84)	<u>4.0</u> (98)	<u>-0.3</u> (46)	<u>0.3</u> (85)	<u>-0.2</u> (89)
Over/Under			2.8	-1.1	-0.2	3.2	0.8	3.3
PGIM Fixed Income	114,349,920	0.8	1.3 (58)	7.5 (54)	8.6 (62)	-1.3 (72)	2.7 (18)	
50% JPM EMBI Global Diversified/ 50% JPM GBI-EM Global Diversified			<u>-0.1</u> (76)	<u>5.6</u> (67)	<u>8.1</u> (67)	<u>-1.5</u> (76)	<u>0.5</u> (81)	
Over/Under			1.4	1.9	0.5	0.2	2.2	
Finisterre EM Debt Total Return Fund	118,730,100	0.8	1.0	4.9	7.9			
50% JPM EMBI Global Diversified/ 50% JPM GBI-EM Global Diversified			<u>-0.1</u>	<u>5.6</u>	<u>8.1</u>			
Over/Under			1.1	-0.7	-0.2			



ABSOLUTE RETURN (ALPHA POOL)

		Apollo Global SMA (MCA)	Credit focused separate account investing in bespoke credit opportunities
		Apollo Accord+ (MCA)	2021 credit fund focused on opportunities across structured credits, special situations, performing credit and origination
		Ares ECO Master Fund II, LTD (MCA)	Corporate debt investments in non-investment grade companies, with a focus on senior bank debt
Birch Grove Credit Strategies Fund	Birch Grove Credit Strategies Fund	All-weather approach to credit/portfolio construction across capital structure and across all market cycles	
bsolute Returi (Alpha Pool) (7% Target)	Core & Credit Strategies (7%)	Corrum Capital Global Credit Opportunities Fund	Yield-paying principal-protected transactions with collateralization by hard and soft assets
bsolute (Alpha (7% T		Corrum Capital GCO Co-Invest Fund	Yield-paying principal-protected transactions with collateralization by hard and soft assets
₹		SSGA Short-Term Treasury Strategy SMA	Short term treasury vehicle
		Zais Group SMA	Long only structured credit SMA that focuses on stable cash flows and low duration, includes student housing
		Zais Opportunity Fund, LTD	Diversified structured credit fund with the abilty to use hedges and derivative strategies
		Zais Zephyr A-8, LP	Closed-end fund focused on CLO equity post risk retention requirements
		Zais Zephyr A-9, LP	2022 closed-end fund focused on CLO equity post risk retention requirements



ALPHA POOL STRATEGIES - NET

	Allocation			Performance (%)					
	Market Value (\$)	% of Portfolio	3 Mo (%)	FYTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	
Alpha Pool Composite	2,229,830,198	14.9	3.7	9.2	12.5	5.7	5.2	4.7	
91 Day T-Bill + 3%			<u>2.0</u>	<u>6.4</u>	<u>8.4</u>	<u>5.7</u>	<u>5.1</u>	<u>4.4</u>	
Over/Under			1.7	2.8	4.1	0.0	0.1	0.3	
Alpha Liquidity (Ssga)	223,314,561	1.5	1.2	4.1	5.3	2.6	2.2	1.5	
Apollo Global Management	2,385,620	0.0							
Ares Eco Master Fund II	600,349,262	4.0	2.9	8.9	11.3	4.3	5.4		
Birch Grove Credit Strategies	264,190,260	1.8	3.3	12.0	12.8	3.3	6.2	5.7	
Corrum Capital	274,988,995	1.8	2.1	-1.5	0.2	3.0	-0.3	2.8	
Zais	152,463,327	1.0	4.6	12.9	16.1	4.7	2.4	3.7	
Zais Group Invest Advisors	495,617,173	3.3	8.3	19.7	25.8	12.8	9.9	8.7	
Zais Zephyr 8	32,595,530	0.2	4.7	14.7	18.4	7.9			
Zais Zephyr 9	32,667,584	0.2	-2.2	-2.9	10.6				
Apollo Accord+	151,257,887	1.0	0.0	7.0	16.4				



PRIVATE ASSETS

			Adams Street SMA (MCA)	Global investment opportunities in venture, growth equity, buyout, and private credit
			Industry Ventures Arrowhead LP (MCA)	Fund investing in direct and secondary co-investments across the venture and buyout sectors
		Diversified	Partners Group SMA (MCA)	Global SMA in private markets; primarily in private equity but also includes infrastructure and real estate
		Diversified	Pathway Capital SMA (MCA)	Private equity investments in primary/secondary funds and co-investment opportunities
			Pathway PE Fund VII LLC	Fund of funds focused on mid/large buyout funds in the US
			SL Capital European Strategic Partners 2008	2008 fund of funds investing in European-focused primary funds
			Industry Ventures Tech Buyout, LP (MCA)	2018 fund investing in small high growth tech companies
			Industry Ventures Tech Buyout II, LP (MCA)	2022 fund investing in small high growth tech companies
			Kayne Partners Fund IV LP (MCA)	2016 fund investing in middle market growth equity opportunities in US companies
			Kayne Partners Fund V LP (MCA)	2020 fund investing in middle market growth equity opportunities in US companies
			Kayne Growth Co-Investments (MCA)	Co-investment commitments (2022 and later) invested alongside Kayne Partners Funds
		Buyout Funds	Partners Group Direct Equity 2016 (MCA)	Global portfolio of direct private equity deals
			Partners Group Direct Equity Fund IV (MCA)	Global portfolio of direct private equity deals (previously Direct Equity 2019)
			Partners Group Direct Equity Fund V (MCA)	Global portfolio of direct private equity deals (2024)
			Partners Group Direct Investments 2012 LP (MCA)	Global portfolio of direct private equity deals
			Waterfall PE Co-Investments (MCA)	Co-investment opportunities in US lower middle market specialty finance companies
			Waterfall Sentinel Fund (MCA)	2019 fund investing in US lower middle market specialty finance focused companies
			Industry Ventures Direct LP (MCA)	2016 fund investing in venture capital opportunities
	£		Industry Ventures Direct II LP (MCA)	2019 fund investing in venture capital opportunities
	i i		Industry Ventures Direct III LP (MCA)	2021 fund investing in venture capital opportunities
	a M		Industry Ventures Fund V LP (MCA)	Fund of funds focused on small but well-established US venture capital funds
	Private Equity		Industry Ventures Fund VI LP (MCA)	Fund of funds focused on small but well-established US venture capital funds
	Ė		Industry Ventures Partnership Holdings II LP (MCA)	2011 fund investing in venture capital primary funds, secondary funds and direct investments, and direct investments
		Venture Funds	Industry Ventures Partnership Holdings III LP (MCA)	2013 fund investing in venture capital primary funds, secondary funds and direct investments, and direct investments
			Industry Ventures Partnership Holdings III-A LP (MCA)	2014 fund investing in venture capital primary funds, secondary funds and direct investments, and direct investments
			Industry Ventures Partnership Holdings IV LP (MCA)	2016 fund investing in venture capital primary funds, secondary funds and direct investments, and direct investments
			Industry Ventures Partnership Holdings V LP (MCA) Industry Ventures Partnership Holdings VI LP (MCA)	2019 fund investing in venture capital primary funds, secondary funds and direct investments, and direct investments 2021 fund investing in venture capital primary funds, secondary funds and direct investments, and direct investments
			Industry Ventures Partnership Holdings VI LP (MCA)	2021 and investing in venture capital primary funds, secondary funds and direct investments, and direct investments 2024 fund investing in venture capital primary funds, secondary funds and direct investments, and direct investments
Ē			Industry Ventures Special Opportunities Fund II-A LP (MCA)	2024 fund investing in venture capital opportunistic transactions in the secondary market 2016 fund investing in venture capital opportunistic transactions in the secondary market
- Re		Secondary Funds	Aberdeen Standard Secondary Opportunities Fund IV	2020 fund investing in venture capital opportunistic transactions in the secondary market
Private Assets (18% Target)		Secondary runus	Industry Ventures Secondary VII LP (MCA)	2013 fund investing in secondary transactions in venture capital opportunities 2013 fund investing in secondary transactions in venture capital opportunities
18%			Industry Ventures Secondary VIII LP (MCA)	2017 fund investing in secondary transactions in venture capital opportunities
St C			Industry Ventures Secondary VIII EP (MCA)	2021 fund investing in secondary transactions in venture capital opportunities
Se			Industry Ventures Secondary X LP (MCA)	2023 fund investing in secondary transactions in venture capital opportunities
e A			Lexington Capital Partners VII	Fund of funds focused mainly on buyout funds in US and Western Europe
v at			Lexington Middle Market Investors II	Fund of funds focused on secondary interest in US middle-market buyouts
Pri			SL Capital Secondary Opportunities Fund III	Fund of funds focused on secondary purchase of mid and large-cap buyout funds in Europe
			Kayne Anderson Energy Fund VII LP	2017 fund investing in US upstream energy companies with a focus on growing enterprise value
			Kayne Anderson Private Energy Income Fund II (MCA)	2018 fund investing in US upstream energy companies, focused on income from large asset acq/development
		Sector Specific Funds	Kayne Anderson Private Energy Income Fund III (MCA)	2023 fund investing in US upstream energy companies, focused on income from large asset acq/development
			Tennenbaum Energy Opportunities Fund LP (MCA)	2015 fund investing in senior secured notes and first/second lien debt of US companies in the energy sector
			Ares Private Credit Solutions Fund (MCA)	Junior debt investments in large private companies
			Ares Private Credit Solutions Fund 2 (MCA)	Junior debt investments in large private companies
			Ares Senior Direct Lending Fund III (MCA)	Senior secured 1L loans to primarily sponsor-backed private companies
			Irradiant Renewables Opportunities Partners	2020 fund investing in the equity and debt of renewable power generating companies
		Direct Lending	Tennenbaum Direct Lending Fund VIII, LLC (MCA)	Privately-originated, performing senior secured debt in mid-market (100mm-1.5bn) companies in NA (levered share class)
			Tennenbaum Direct Lending Fund IX, LLC	Privately-originated, performing senior secured debt in mid-market (100mm-1.5bn) companies in NA (unlevered share class)
			Tennenbaum Waterman Fund LP (MCA)	Senior 1L loans to middle-market companies, primarily in the US
			Ares ICOF II (MCA)	Structured credit in CLO vehicles and private asset-backed credits
			Ares ICOF III (MCA)	Structured credit in CLO vehicles and private asset-backed credits
	Seb Oeb		Ares SMA (MCA)	Separate account in liquid credit and income-focused opportunities
	ā O		Ares Special Situations Fund IV (MCA)	Global distressed debt and special situations
	2		Catalyst Fund LP II	2006 fund investing in Canadian stressed/distressed investment opportunities
	rivate			
	Private Debt		Crestline Portfolio Financing Fund	Financing to late-stage private equity funds and GPs
	Private	Cradit/Distrassed/	Crestline Portfolio Financing Fund Crestline Portfolio Financing Fund II	Financing to late-stage private equity funds and GPs Financing to late-stage private equity funds and GPs
	Private	Credit/Distressed/ Opportunistic/	Crestline Portfolio Financing Fund Crestline Portfolio Financing Fund II Irradiant CLO Partners II (MCA)	Financing to late-stage private equity funds and GPs Financing to late-stage private equity funds and GPs 2020 fund investing in CLOs issued by Irradiant
	Private		Crestline Portfolio Financing Fund Crestline Portfolio Financing Fund II Irradiant CLO Partners II (MCA) Irradiant CLO Partners III (MCA)	Financing to late-stage private equity funds and GPs Financing to late-stage private equity funds and GPs 2020 fund investing in CLOs issued by Irradiant 2023 fund investing in CLOs issued by Irradiant
	Private	Opportunistic/	Crestline Portfolio Financing Fund Crestline Portfolio Financing Fund II Irradiant CLO Partners II (MCA) Irradiant CLO Partners III (MCA) Irradiant Partners Climate Co (MCA)	Financing to late-stage private equity funds and GPs Financing to late-stage private equity funds and GPs 2020 fund investing in CLOs issued by Irradiant 2023 fund investing in CLOs issued by Irradiant 2023 fund investing in CLOs issued by Irradiant 2023 fund investing in climate-oriented solutions focused on energy transition opporutnity
	Private	Opportunistic/	Crestline Portfolio Financing Fund II Crestline Portfolio Financing Fund II Irradiant CLO Partners II (MCA) Irradiant CLO Partners III (MCA) Irradiant Tenters Climate Co (MCA) Irradiant Solutions Fund (MCA)	Financing to late-stage private equity funds and GPs Financing to late-stage private equity funds and GPs 2020 fund investing in CLOs issued by Irradiant 2023 fund investing in CLOs issued by Irradiant 2023 fund investing in CLOs issued by Irradiant 2023 fund investing in CLOs issued by Irradiant 2021 fund investing in CLOS issued by Irradiant 2021 fund investing in CLOS issued by Irradiant
	Private	Opportunistic/	Crestline Portfolio Financing Fund II Crestline Portfolio Financing Fund II Irradiant CLO Partners II (MCA) Irradiant CLO Partners III (MCA) Irradiant Partners Climate Co (MCA) Irradiant Poutlons Fund (MCA) Irradiant Solutions Fund I (MCA)	Financing to late-stage private equity funds and GPs Financing to late-stage private equity funds and GPs 2020 fund investing in CLOs issued by Irradiant 2023 fund investing in CLOs issued by Irradiant 2023 fund investing in climate-oriented solutions focused on energy transition opporutnity 2017 fund investing in special situation opportunities in US credit 2023 fund investing in special situation opportunities in US credit
	Private	Opportunistic/	Crestline Portfolio Financing Fund Crestline Portfolio Financing Fund II Irradiant CLO Partners II (MCA) Irradiant CLO Partners III (MCA) Irradiant Partners Climate Co (MCA) Irradiant Solutions Fund (MCA) Irradiant Solutions Fund II (MCA) LuminArx Opportunistic Alternative Solutions Fund	Financing to late-stage private equity funds and GPs Financing to late-stage private equity funds and GPs 2020 fund investing in CLOs issued by Irradiant 2023 fund investing in CLOs issued by Irradiant 2023 fund investing in Climate-oriented solutions focused on energy transition opporutnity 2017 fund investing in special situation opportunities in US credit 2023 fund investing in special situation opportunities in US credit Hybrid fund investing in capital solutions opportunities globally, with a focus on the US
	Private	Opportunistic/	Crestline Portfolio Financing Fund II Crestline Portfolio Financing Fund II Irradiant CLO Partners II (MCA) Irradiant CLO Partners III (MCA) Irradiant Tenters Climate Co (MCA) Irradiant Solutions Fund II (MCA) Irradiant Solutions Fund II (MCA) LuminArx Opportunistic Alternative Solutions Fund Siguler Guff Distressed Opportunity Fund III IP	Financing to late-stage private equity funds and GPs Financing to late-stage private equity funds and GPs 2020 fund investing in CLOs issued by Irradiant 2023 fund investing in Special Situation opportunities in US credit 2023 fund investing in special situation opportunities in US credit 2023 fund investing in special situation opportunities in US credit Hybrid fund investing in Special Situation opportunities in US credit 2030 fund of funds investing in US and international opportunistic credit funds and co-investments
	Private	Opportunistic/	Crestline Portfolio Financing Fund Crestline Portfolio Financing Fund II Irradiant CLO Partners II (MCA) Irradiant CLO Partners III (MCA) Irradiant Partners Climate Co (MCA) Irradiant Solutions Fund (MCA) Irradiant Solutions Fund II (MCA) LuminArx Opportunistic Alternative Solutions Fund	Financing to late-stage private equity funds and GPs Financing to late-stage private equity funds and GPs 2020 fund investing in CLOs issued by Irradiant 2023 fund investing in CLOs issued by Irradiant 2023 fund investing in Climate-oriented solutions focused on energy transition opporutnity 2017 fund investing in special situation opportunities in US credit 2023 fund investing in special situation opportunities in US credit Hybrid fund investing in capital solutions opportunities globally, with a focus on the US



REAL ESTATE PORTFOLIO

			348 West Hospitality Lane	SBCERA headquarters
			Invesco Real Estate Asia Fund	Asia-focused open-ended core real estate fund
			Kayne Anderson Real Estate Debt III (MCA)	2018 fund investing in first-lien US residential mortgage debt
	.5%)		Kayne Anderson Real Estate Debt IV (MCA)	2020 fund investing in first-lien US residential mortgage debt
	tate (2.		Kayne Anderson Commercial Real Estate Debt (MCA)	Open-ended fund investing in direct loan origination and Freddie-Mac structured products
	E E	Core Real Estate	Marathon Real Estate Debt Fund	Fund investing in senior secured first mortgage loans in the US
_	Re		PGIM Real Estate Capital VI LP	European (UK and Germany focused) mezzanine lending fund for value-add real estate projects
rget	Sore		PGIM Real Estate Capital VII LP	European (UK and Germany focused) mezzanine lending fund for value-add real estate projects
° Ta			PRISA II	US core-plus open-ended real estate equity fund with low leverage
Real Estate Portfolio (5% Target)			TPG Angelo Gordon Essential Housing Fund III	2024 fund providing homebuilders with off-balance sheet financing for short duration, close-to-production land
ort.		Enhanced Real	Apollo Real Estate Fund II LP (MCA)	2015 fund investing in value-add US real estate opportunities
te P			Apollo Real Estate Fund III LP (MCA)	2020 fund investing in value-add US real estate opportunities
Esta	2%)		Fortress Japan Opportunity Fund II	2011 fund investing in value-add Japanese real estate opportunities
eal	(2.5		Invesco US Real Estate VI	2020 fund investing in value-add US real estate opportunities
Œ	ate	Estate/ High Return	Kayne Anderson Real Estate Partners V LP (MCA)	2017 fund investing in value-add US real estate opportunities
	Est	0	Kayne Anderson Real Estate Partners VI LP (MCA)	2021 fund investing in value-add US real estate opportunities
	Rea		Morgan Stanley RE Fund V International	2005 fund investing in value-add International real estate opportunities
	ore l		PRISA III	Value-add US real estate equity fund
	Non-C	Real Estate	Partners Group Real Estate Secondary 2013 A LP (MCA)	Global private real estate fund interests purchased on the secondary market at discounts to intrinsic value
		Secondaries	Partners Group Real Estate Secondary 2017 A LP (MCA)	Global private real estate fund interests purchased on the secondary market at discounts to intrinsic value



REAL ASSETS PORTFOLIO

	(4% Target)		Commodity fund of funds with both directional and relative value exposure across multiple commodities Multi-manager fund focused on physical commodities (livestock, metals, energy and agriculture)
Real Asset Portfolio (6% Target)	Infrastructure (2%)	Kayne Anderson MLP Strategy (MCA)	Separate account opportunistically investing in publicly traded US MLP securities
	Timber (0% Target)		Fund focused on acquiring, developing, and operating a variety of environmental assets (wetlands, fisheries, restorations)



ALTERNATIVES - NET

	Allocatio	Allocation			Perform	ance (%)		
	Market Value (\$)	% of Portfolio	3 Mo (%)	FYTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)
Private Equity Composite	2,847,280,080	19.0	0.4	5.0	4.9	14.3	15.6	14.2
C A Global All PE (Qtr Lag)			<u>2.7</u>	<u>3.5</u>	<u>5.6</u>	<u>10.0</u>	<u>14.0</u>	<u>12.4</u>
Over/Under			-2.3	1.5	-0.7	4.3	1.6	1.8
Russell 3000 Index			<u>10.0</u>	<u>19.3</u>	<u>29.3</u>	<u>9.8</u>	<u>14.3</u>	<u>12.3</u>
Over/Under			-9.6	-14.3	-24.4	4.5	1.3	1.9
C A US All PE (1 Qtr Lag)			<u>2.9</u>	<u>6.1</u>	<u>8.9</u>	<u>14.5</u>	<u>15.7</u>	<u>13.6</u>
Over/Under			-2.5	-1.1	-4.0	-0.2	-0.1	0.6
Real Estate Composite	582,251,037	3.9	-2.8	-5.1	-6.7	5.4	5.5	7.1
NCREIF Property Index 1 Qtr. Lag			<u>-3.0</u>	<u>-6.2</u>	<u>-7.9</u>	<u>4.6</u>	<u>4.3</u>	<u>6.8</u>
Over/Under			0.2	1.1	1.2	8.0	1.2	0.3
Real Assets Composite	796,904,941	5.3	6.8	9.9	11.3	14.7	11.4	6.2
Real Assets Custom Blend			<u>6.8</u>	<u>10.3</u>	<u>7.9</u>	<u>7.6</u>	<u>6.1</u>	<u>2.0</u>
Over/Under			0.0	-0.4	3.4	7.1	5.3	4.2
Infrastructure	131,577,521	0.9	15.4	25.9	29.8	20.9	15.2	8.5
Real Assets Custom Blend			<u>6.8</u>	<u>10.3</u>	<u>7.9</u>	<u>7.6</u>	<u>6.1</u>	<u>2.0</u>
Over/Under			8.6	15.6	21.9	13.3	9.1	6.5
Commodities	661,719,836	4.4	5.4	7.7	8.8	13.8	12.7	7.3
S&P GSCI Composite TR Index			<u>10.4</u>	<u>14.3</u>	<u>11.1</u>	<u>18.1</u>	<u>7.8</u>	<u>-2.9</u>
Over/Under			-5.0	-6.6	-2.3	-4.3	4.9	10.2





APPENDIX: PERFORMANCE SUMMARY

Real Estate

Real Assets

Private Equity

REAL ESTATE PERFORMANCE

Investment Name	Vintage		Paid in Capital		Additional	Cumulative	Valuation	Total Value	TVPI Ratio	IRR
	Year	Amount		Funded	Fees	Distributions				
American Realty Advisors	1996	128,009,773		0		278,446,295	0	278,446,295	2.18	6.89%
Tuckerman Multi-Family Development Fund III	2002	10,000,000		0	0	16,939,699	0	16,939,699	1.66	26.67%
CBRE Strategic Partners III	2003	10,000,000		0	0	12,698,783	0	12,698,783	1.27	8.02%
Prudential PRISA III	2003	75,000,000		-550,285	3,778,589	72,972,734	76,798,127	149,770,861	1.89	16.88%
Walton Street Real Estate Fund IV, LP	2003	10,000,000		0	0	15,987,617	0	15,987,617	1.64	10.71%
Bryanston Retail Opportunity Fund, L.P.	2004	20,000,000	, ,	11,771,835	0	39,932,161	116,135	40,048,296	4.87	70.73%
Prudential PRISA II	2004	140,000,000		0	6,102,942	68,899,053	183,384,587	252,283,639	1.73	7.02%
RREEF America REIT III	2004	20,000,000		0	0	23,658,675	0	23,658,675	1.15	3.00%
BlackRock Diamond Property Fund	2005	25,000,000	25,000,000	0	0	15,233,347	0	15,233,347	0.61	-9.31%
CBRE Strategic Partners IV	2005	40,000,000	40,000,000	0	0	2,609,685	0	2,609,685	0.07	-27.76%
INVESCO Real Estate Fund I	2005	10,000,000	9,248,390	0	0	10,015,656	0	10,015,656	1.08	1.54%
LaSalle Income & Growth Fund IV	2005	20,000,000	19,469,417	0	0	13,482,024	0	13,482,024	0.69	-5.51%
North Haven Real Estate Fund V International	2005	27,500,000	27,377,414	122,586	86,449	33,112,232	282,345	33,394,577	1.22	6.83%
Prologis Japan Fund	2005	25,290,819	25,290,819	0	0	33,126,118	0	33,126,118	1.31	4.81%
Tri Continental Capital VII	2005	23,000,000	22,277,928	722,072	0	3,168,198	471,659	3,639,857	0.16	-14.42%
American Realty Value Add	2006	13,125,215	13,125,215	0	0	32,080,321	0	32,080,321	2.44	10.92%
Beacon Capital Strategic Partners IV, L.P.	2006	38,000,000	38,000,000	0	0	31,424,699	0	31,424,699	0.83	-3.26%
Fillmore East Fund	2006	25,000,000		0	0	20,777,177	0	20,777,177	0.66	-9.78%
Starwood Capital Hospitality Fund I-2	2006	30,000,000		0	0	27,879,087	2,564,513	30,443,600	1.01	0.19%
Starwood Opportunity Fund VII - A	2006	25,000,000		0	0	19.601.350	468,312	20,069,662	0.80	-2.37%
Walton Street Real Estate Fund V, LP	2006	40,000,000	40,000,000	0	0	27,760,957	830,681	28,591,638	0.71	-3.63%
Beacon Capital Strategic Partners V, L.P.	2007	18,000,000	18,000,000	0	0	11.174.695	0	11.174.695	0.62	-7.87%
Invesco Asian Real Estate Partners II (USD), LP	2007	20,000,000	, ,	0	-11,533	11,465,147	0	11,465,147	1.36	7.52%
Invesco High Yield Debt Fund I	2007	20,000,000		0	0	8,567,605	0	8,567,605	0.43	-35.57%
Square Mile Partners II	2007	19,831,232		0	0	5,311,330	0	5,311,330	0.43	-19.11%
Fillmore West Fund	2007	20,000,000		0	0	21,175,799	0	21,175,799	1.08	1.14%
Square Mile Partners III LP	2008	20,000,000		0	0	28.873.622	0	28.873.622	1.46	11.52%
Starwood Debt Fund II, LP	2008	20,000,000	-,,	0	0	21,912,511	0	21,912,511	1.25	6.45%
Structured Real Estate III, LP (Guggenheim)	2008	, ,		0	0	, ,	0	16,320,664	0.82	-4.99%
, (55 ,		20,000,000				16,320,664				
Bryanston Real Estate Opportunity Fund II, L.P.	2009	20,000,000		0	0	11,851,333	0	11,851,333	1.38	10.20%
Fortress Japan Opportunity Fund II	2012	5,472,095		4,259,811	302,777	22,652,992	4,109,882	26,762,874	17.66	25.32%
Oaktree Real Estate Opportunities V	2012	25,000,000		0	503,255	39,431,074	177,816	39,608,890	1.55	12.69%
Invesco Real Estate Asia Fund	2014	51,732,500	, ,	0	2,601,837	16,636,572	60,952,903	77,589,476	1.43	4.61%
Partners Group RE Secondary 2013 (USD) A	2014	65,000,000	49,541,590	15,458,410	-349,081	37,986,927	31,073,045	69,059,972	1.40	7.19%
Apollo US Real Estate Fund II	2015	20,000,000		3,577,316	29,763	8,765,993	14,900,699	23,666,692	1.44	8.54%
Pramerica Real Estate Capital VI	2016	24,890,077	22,583,937	2,306,140	58,392	14,775,416	9,231,651	24,007,068	1.06	2.52%
Kayne Anderson Real Estate Fund V, L.P.	2017	20,000,000		727,324	-120,110	13,814,886	17,770,422	31,585,308	1.65	16.73%
Partners Group RE Secondary 2017 (USD) A	2017	75,000,000		29,928,719	44,125	753,447	62,236,773	62,990,220	1.40	8.22%
Kayne Anderson Real Estate Debt III	2018	20,000,000	19,947,473	0	45,464	25,318,141	0	25,318,141	1.27	11.24%
Apollo US Real Estate Fund III	2021	50,000,000	28,812,820	21,187,180	415,331	5,330,711	33,115,938	38,446,649	1.32	23.09%
Kayne Anderson Real Estate Debt IV	2021	30,000,000	27,540,157	2,459,843	0	8,898,541	21,647,121	30,545,662	1.11	10.28%
Kayne Anderson Real Estate Fund VI	2021	20,000,000	10,077,049	9,922,951	0	0	11,435,177	11,435,177	1.13	14.61%
Pramerica Real Estate Capital VII	2021	55,182,939	29,204,077	25,978,862	118,086	7,980,888	20,059,437	28,040,325	0.96	-4.39%
Total: San Bernardino		1,395,034,651	1,246,654,213	127,872,763	13,606,286	1,138,804,164	551,627,224	1,690,431,388	1.34	4.47%



REAL ASSETS PERFORMANCE

Investment Name	Vintage Year	Commitment Amount	Paid in Capital	Capital to be Funded	Additional Fees	Cumulative Distributions	Valuation	Total Value	TVPI Ratio	IRR
Hancock Timberland VII	2005	90,000,000	90,000,000	0	0	101,142,900	0	101,142,900	1.12	1.02%
Hancock Timberland VIII	2006	40,000,000	40,000,000	0	200	45,947,325	0	45,947,325	1.15	1.11%
Highstar Capital III, L.P.	2007	60,000,000	59,119,119	0	0	63,302,361	0	63,302,361	1.07	0.87%
RREEF North American Infrastructure Fund	2007	50,000,000	50,000,000	0	846,289	55,238,754	0	55,238,754	1.09	12.09%
Timbervest Partners II, L.P.	2007	50,000,000	50,000,000	0	0	51,855,967	0	51,855,967	1.04	0.38%
Pinnacle Natural Resources Offshore Fund Ltd.	2008	135,000,000	135,000,000	0	0	0	268,176,353	268,176,353	1.99	8.27%
Timbervest Environmental Investments II, L.P.	2008	30,000,000	30,000,000	0	50,548	21,494,831	4,007,356	25,502,187	0.85	-2.12%
Pinnacle Physicals and Financing Master, Ltd	2009	205,800,000	205,800,000	0	15,984	2,018,221	335,654,916	337,673,137	1.64	7.86%
Fortress Transportation Infrastructure LLC	2015	45,403,354	45,403,354	0	0	41,902,882	0	41,902,882	0.92	-1.99%
Total: San Bernardino		706,203,354	705,322,473	0	913,021	382,903,241	607,838,625	990,741,866	1.40	4.17%



PRIVATE EQUITY PERFORMANCE

Investment Name	Vintage Year	Commitment Amount	Paid in Capital	Capital to be Funded	Additional Fees	Cumulative Distributions	Valuation	Total Value	TVPI Ratio	IRR
European Strategic Partners 2004	2004	238,688,631	222,037,366	16,651,266	88,078	280,950,879	167,980	281,118,859	1.27	3.95%
Partners Group MCA	2004	1,000,000,000	1,001,287,215	-1,287,215	0	894,000,516	659,469,110	1,553,469,626	1.55	9.07%
Pathway Private Equity Fund VII, L.P.	2004	904,500,000	863,418,340	41,081,660	0	1,495,648,131	186,609,812	1,682,257,943		11.55%
Aurora Equity Partners III, L.P.	2005	25,000,000	23,544,536	0	1,422,824	41,738,196	0	41,738,196		13.61%
Lexington Middle Market I	2005	25,000,000	24,771,942	228,058	0	40,464,141	50,631	40,514,772	2 1.64	11.38%
NB Secondary Opportunities I, LP	2005	20,000,000	18,500,843	0	0	24,330,105	0	24,330,105	1.32	6.49%
Lexington Capital Partners VI-B	2006	25,000,000	24,591,319	408,681	3,012	35,008,201	129,138	35,137,339	1.43	6.87%
Siguler Guff DOF II	2006	30,000,000	30,000,000	0	-43,638	42,440,278	0	42,440,278	1.42	8.64%
TCW/Crescent Mezzanine IV, L.P.	2006	40,000,000	39,590,976	0	-81,547	45,049,090	0	45,049,090	1.14	3.03%
Catalyst Fund II, L.P.	2007	10,000,000	9,956,944	43,056	65,604	3,859,103	33,909,279	37,768,382	3.77	11.22%
Energy Spectrum Partners V, LP	2007	15,000,000	13,840,666	0	12,744	25,811,900	0	25,811,900	1.86	31.80%
Tennenbaum Opportunities Fund V, L.P.	2007	10,000,000	10,000,000	0	0	14,435,464	791,369	15,226,833	1.52	5.69%
Apollo Investment Fund VII, L.P.	2008	10,000,000	8,789,116	1,210,884	-15,638	17,808,629	104,046	17,912,675	2.04	22.79%
Aurora Resurgence Fund, L.P.	2008	15,000,000	5,653,009	0	40,630	10,350,965	0	10,350,965	1.82	17.60%
Industry Ventures Fund V	2008	10,000,000	9,500,000	0	0	27,399,602	0	27,399,602	2.88	29.29%
Lexington Middle Market II - Offshore	2008	10,000,000	9,773,736	226,264	40,771	16,036,242	2,121,680	18,157,922	1.85	14.51%
NB Secondary Opportunities II, LP	2008	20,000,000	17,080,642	0	430,639	26,888,038	0	26,888,038	1.54	14.40%
Siguler Guff DOF III	2008	10,000,000	9,700,000	300,000	-234	14,706,025	1,099,628	15,805,653	1.63	10.34%
TCW/Crescent Mezzanine V, L.P.	2008	20,000,000	19,949,723	50,277	-51,494	27,301,678	155,801	27,457,479	1.38	9.81%
Apollo European Principal Finance Fund (Feeder), LP	2009	53,001,432	46,434,825	6,566,607	13,022	69,417,013	108,147	69,525,160	1.50	11.81%
DRI II, L.P.	2009	20,000,000	19,917,669	0	-100,096	26,302,807	0	26,302,807	1.33	19.64%
Starwood Energy Infrastructure Fund	2009	15,000,000	14,750,000	0	93,463	20,239,979	0	20,239,979	1.36	7.88%
Apollo PCPL Webb V	2010	4,844,398	4,844,398	0	0	5,196,757	0	5,196,757	1.07	6.04%
Apollo PCPL Webb VIII	2010	4,734,303	4,734,303	0	32	12,146,258	0	12,146,258	2.57	46.47%
Energy Spectrum Partners VI, LP	2010	20,000,000	17,240,577	2,759,423	288	20,704,680	401,740	21,106,420	1.22	5.68%
European Strategic Partners 2008	2010	31,213,747	29,629,636	1,584,111	160,998	40,016,130	3,194,821	43,210,951	1.45	8.13%
Industry Ventures Fund VI	2011	20,000,000	18,400,000	1,600,000	0	24,850,771	260,710	25,111,481	1.36	7.99%
Lexington Capital Partners VII (Offshore)	2011	25,000,000	20,465,470	4,534,530	118,325	31,724,234	2,749,027	34,473,261	1.67	14.59%
Tennenbaum Opportunities Fund VI, L.P.	2011	20,000,000	7,882,885	12,117,115	0	16,804,926	81,276	16,886,202	2.14	8.06%
Aurora Equity Partners IV, L.P.	2012	20,000,000	17,262,661	2,737,339	2,654,902	40,094,037	488,438	40,582,475	2.04	18.10%
BNY Mellon - Alcentra Mezzanine III	2012	25,000,000	23,254,658	0	0	26,736,979	0	26,736,979	1.15	12.73%
Industry Ventures Partnership Holdings Fund II, L.P.	2012	25,000,000	23,500,000	1,500,000	0	57,600,139	47,695,285	105,295,424	4.48	22.60%
Tennenbaum Waterman Fund, LP	2012	70,000,000	70,000,000	0	1,152	72,203,734	60,224,541	132,428,275	1.89	10.00%
Industry Ventures Partnership Holdings Fund III, L.P.	2013	25,000,000	23,277,042	1,722,958	0	42,166,060	34,991,237	77,157,297	3.31	22.58%
Industry Ventures Secondary VII, L.P.	2013	25,000,000	23,175,000	1,825,000	0	38,456,740	7,123,421	45,580,161	1.97	16.30%
Industry Ventures Partnership Holdings Fund III-A, L.P.	2014	12,500,000	11,162,500	1,337,500	0	7,375,723	5,753,945	13,129,668	1.18	3.19%



PRIVATE EQUITY PERFORMANCE

Investment Name	Vintage Year	Commitment Amount	Paid in Capital	Capital to be Funded	Additional Fees	Cumulative Distributions	Valuation	Total Value	TVPI Ratio	IRR
Pathway SBCERA MCA	2014	350,000,000	317,518,072	32,481,928	0	110,909,445	641,969,879	752,879,324	2.37	19.94%
SL Capital SOF I LP	2014	25,000,000	21,382,263	3,617,737	0	27,177,838	2,554,419	29,732,257	1.39	9.90%
ARES European Loan Opp Fund	2015	15,000,000	8,413,136	0	0	7,613,498	0	7,613,498	0.90	-6.02%
Ares Special Situations Fund IV, LP	2015	50,000,000	47,686,469	2,313,531	0	37,362,661	35,810,367	73,173,028	1.53	8.25%
Tennenbaum Special Situations Fund IX	2015	50,000,000	32,057,933	17,942,067	85,183	32,877,330	20,649,735	53,527,065	1.67	10.30%
Industry Ventures Direct, LP	2016	25,000,000	23,920,425	1,079,575	0	11,577,501	39,521,119	51,098,620	2.14	18.81%
Industry Ventures Partnership Holdings IV, LP	2016	25,000,000	22,750,000	2,250,000	0	8,419,172	44,144,708	52,563,880	2.31	20.47%
Industry Ventures Special Opportunities II-A	2016	12,500,000	1,694,029	10,805,971	0	2,755,554	2,300,237	5,055,791	2.98	38.46%
TCP Direct Lending Fund VIII-L, LLC	2016	40,000,000	21,606,919	18,393,081	148,810	12,008,863	19,880,495	31,889,358	1.47	6.52%
Tennenbaum Energy Opportunities Fund, LP	2016	20,000,000	4,170,678	15,829,322	0	6,620,045	4,597,025	11,217,070	2.69	11.57%
Apollo Accord Fund, LP	2017	30,000,000	7,500,000	0	-7,580	8,310,474	0	8,310,474	1.11	7.44%
Industry Ventures Secondary VIII	2017	25,000,000	22,525,000	2,475,000	0	22,736,717	20,041,350	42,778,067	1.90	25.22%
Kayne Anderson Energy Fund VII, L.P.	2017	10,000,000	8,638,804	1,361,196	0	649,301	6,292,993	6,942,294	0.80	-3.74%
Kayne Partners Fund IV (QP), LP	2017	20,000,000	19,700,828	299,172	127,793	17,322,762	20,724,664	38,047,426	1.92	20.82%
Kayne SBCERA MLP	2017	130,000,000	126,225,037	3,774,963	0	69,921,028	76,636,251	146,557,279	1.16	3.23%
SL Capital SOF III LP	2017	25,000,000	17,774,188	7,225,812	-440	18,781,230	17,844,603	36,625,833	2.06	21.58%
Crestline Portfolio Financing Fund	2018	50,000,000	33,107,629	16,892,371	0	21,639,887	24,772,862	46,412,749	1.40	10.37%
Industry Ventures Partnership Holdings V, LP	2018	25,000,000	22,625,000	2,375,000	0	626,933	44,714,488	45,341,421	2.00	26.80%
Industry Ventures Tech Buyout LP	2018	50,000,000	45,553,986	4,446,014	0	0	59,937,165	59,937,165	1.32	12.56%
Kayne Anderson Private Energy Income Fund II, L.P.	2018	20,000,000	17,127,193	2,872,807	0	8,715,980	24,034,042	32,750,022	1.91	41.29%
Kayne Flywheel Co-investment LLC	2018	8,000,000	6,600,000	1,400,000	0	10,560,993	11,108,737	21,669,730	3.28	39.37%
Kayne SBCERA (D.I.)	2018	45,000,000	40,660,422	4,339,578	0	44,714,031	3,513,679	48,227,710	1.19	15.52%
Kayne Solutions Fund LP	2018	20,000,000	9,809,659	0	19,174	10,797,587	0	10,797,587	1.10	9.14%
Industry Ventures Direct II, LP	2019	50,000,000	45,034,012	4,965,988	0	0	72,920,128	72,920,128	1.62	21.91%
Kayne Renewable Opportnities Partners (TE), LP	2019	100,000,000	20,704,033	0	0	27,857,425	0	27,857,425	1.35	21.72%
Waterfall Sentinel Co-Investments	2019	30,000,000	23,890,124	6,109,877	140,580	18,331,939	45,468,050	63,799,989	2.65	30.24%
Waterfall Sentinel Fund	2019	30,000,000	25,498,523	4,501,477	0	7,274,164	33,264,288	40,538,452	1.59	14.93%
Adams Street SBCERA	2020	150,000,000	136,775,298	13,224,702	0	19,168,594	145,979,656	165,148,250	1.21	14.20%
Kayne Anderson FRG	2020	30,000,000	30,000,000	0	0	45,283,966	0	45,283,966	1.51	44.79%
Kayne CLO Partners II, LP	2020	50,000,000	44,721,625	0	-97,167	52,848,194	0	52,848,194	1.18	13.44%
Industry Ventures Partnership Holdings VI, LP	2021	40,000,000	17,214,599	22,785,401	0	72,800	19,912,724	19,985,524	1.16	13.93%
Industry Ventures Secondary IX, LP	2021	50,000,000	43,050,049	6,949,951	-578	1,091,888	52,778,237	53,870,125	1.25	18.21%
Industry Ventures Direct III, L.P.	2022	40,000,000	6,898,035	33,101,965	-1,408	0	5,561,828	5,561,828	0.81	-23.93%
Industry Ventures IV Arrowhead, L.P.	2022	25,000,000	5,000,000	20,000,000	0	0	5,549,042	5,549,042	1.11	9.09%
Industry Ventures Tech Buyout II, L.P.	2022	100,000,000	25,028,556	74,971,444	-178,349	0	25,626,862	25,626,862	1.03	5.44%
Total: San Bernardino		4,619,982,511	4,040,780,517	435,983,446	5,089,854	4,300,291,947	2,575,790,695	6,876,082,642	1.70	10.92%





POLICY INDEX COMPOSITION

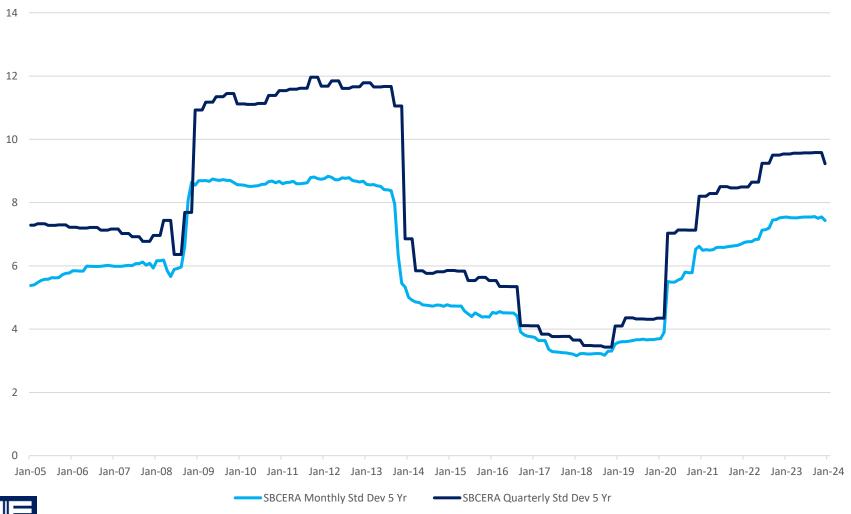
Index	7/1/ 2022	7/1/ 2021	7/1/ 2019	7/1/ 2018	7/1/ 2014	7/1/ 2012	6/1/ 2012	6/1/ 2010	6/1/ 2009	6/1/ 2008	9/1/ 2006	7/1/ 2005	4/1/ 2004	6/1/ 2002
Russell 3000 Index	35	31	29	29	29	30	29	29	28	34	38	38	43	43
MSCI ACWI ex USA Index	13	15	15	15	15	13	7	7	7	11	13	13	18	18
MSCI Emerging Markets Index							4	4	3	4	3	3		
Bloomberg US Aggregate Bond Index	22	22	22	22	22	24	13	13	18	15	21	21	18	26
Bloomberg Global Aggregate Bond ex US Index	17	19	20	20	18	16	10	10	9	8	5			
Bloomberg Global Aggregate Bond Index Hedged												5	5	5
Merrill Lynch High Yield Master II Index							13	13	13	8	8	8	8	
JP Morgan EMBI Global Diversified Index							6	6	4	4	2	2		
NCREIF Property Index	5	5	7	7	9	9	12.5	12.5	13	11	10	10	8	8
67% S&P GSCI + 33% BBG US TIPS Index	6													
67% Bloomberg Commodity Index+ 33% BBG US TIPS Index		6	5											
NCREIF Timberland 1Q Lag				2.5	2.5	3								
Bloomberg Commodity Index				2.5	2.5	3	3.5	3.5	3	3				
91 Day T-Bill Index	2	2	2	2	2	2	2	2	2	2				



5 YEAR STANDARD DEVIATION

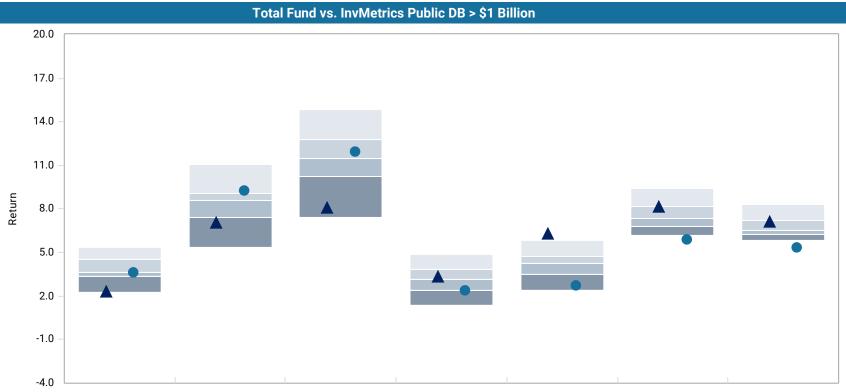
MONTHLY TIME SERIES VS. QUARTERLY TIME SERIES

Standard Deviation Rolling 5 Yr





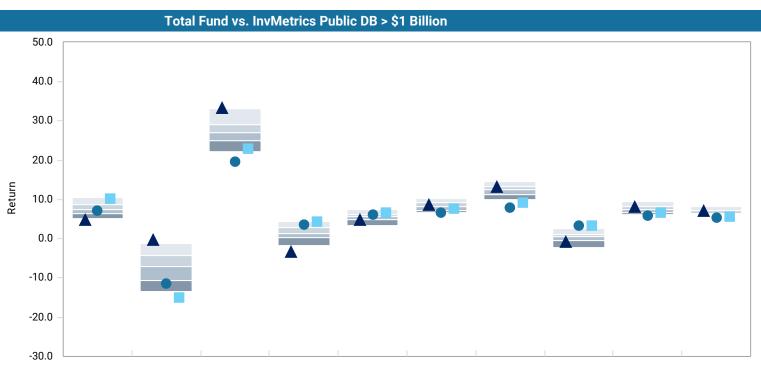
RETURN SUMMARY VS. PEER UNIVERSE



	3 Мо	FYTD (%)	1 Year	2 Years	3 Years	5 Years	10 Years
▲ Total Fund	2.3 (95)	7.1 (84)	8.1 (91)	3.3 (45)	6.3 (4)	8.2 (24)	7.1 (27)
Policy Index	3.6 (52)	9.3 (23)	12.0 (32)	2.4 (75)	2.8 (93)	5.9 (100)	5.4 (100)
5th Percentile	5.3	11.0	14.9	4.9	5.9	9.4	8.3
1st Quartile	4.5	9.1	12.8	3.8	4.8	8.2	7.2
Median	3.6	8.6	11.5	3.2	4.3	7.3	6.5
3rd Quartile	3.3	7.4	10.2	2.4	3.5	6.8	6.3
95th Percentile	2.2	5.3	7.4	1.3	2.4	6.2	5.8
Population	38	29	28	27	26	26	21



RETURN SUMMARY VS. PEER UNIVERSE



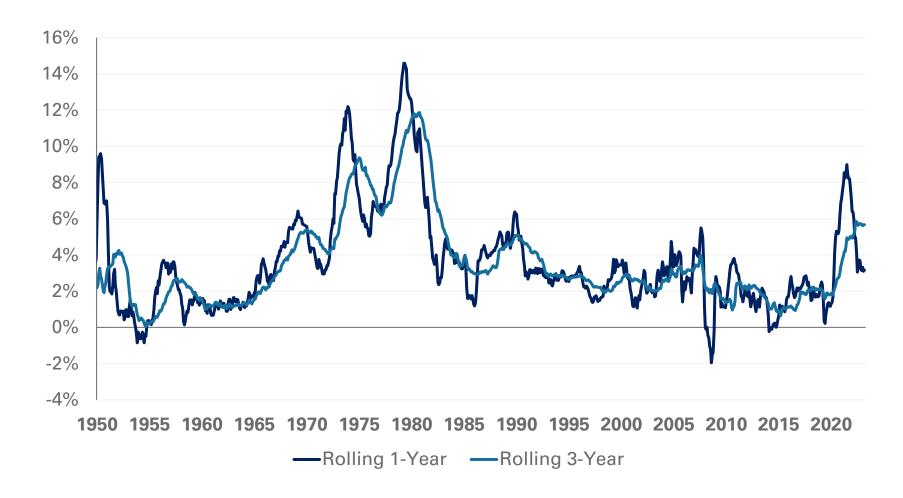
	Fiscal 2023 (%)	Fiscal 2022 (%)	Fiscal 2021 (%)	Fiscal 2020 (%)	Fiscal 2019 (%)	Fiscal 2018 (%)	Fiscal 2017 (%)	Fiscal 2016 (%)	5 Yrs (%)	10 Yrs (%)
▲ Total Fund	5.0 (96)	-0.1 (4)	33.3 (5)	-3.2 (99)	4.8 (77)	8.8 (34)	13.3 (27)	-0.8 (87)	8.2 (24)	7.1 (27)
Policy Index	7.2 (55)	-11.3 (86)	19.7 (99)	3.7 (13)	6.2 (27)	6.8 (95)	8.0 (100)	3.4 (2)	5.9 (100)	5.4 (100)
60% MSCI World/40% FTSE WGBI	10.2 (7)	-14.9 (99)	23.0 (92)	4.4 (5)	6.7 (17)	7.8 (66)	9.2 (99)	3.3 (2)	6.8 (76)	5.8 (100)
5th Percentile	10.5	-1.1	33.3	4.4	7.6	10.3	14.5	2.6	9.4	8.3
1st Quartile	8.7	-4.2	29.2	2.9	6.3	9.2	13.4	1.0	8.2	7.2
Median	7.5	-7.0	27.0	1.4	5.8	8.2	12.5	0.6	7.3	6.5
3rd Quartile	6.4	-10.5	25.1	0.3	5.0	7.3	11.4	-0.4	6.8	6.3
95th Percentile	5.1	-13.5	22.2	-1.7	3.3	6.8	10.0	-2.2	6.2	5.8
Population	72	80	123	110	78	56	54	51	26	21





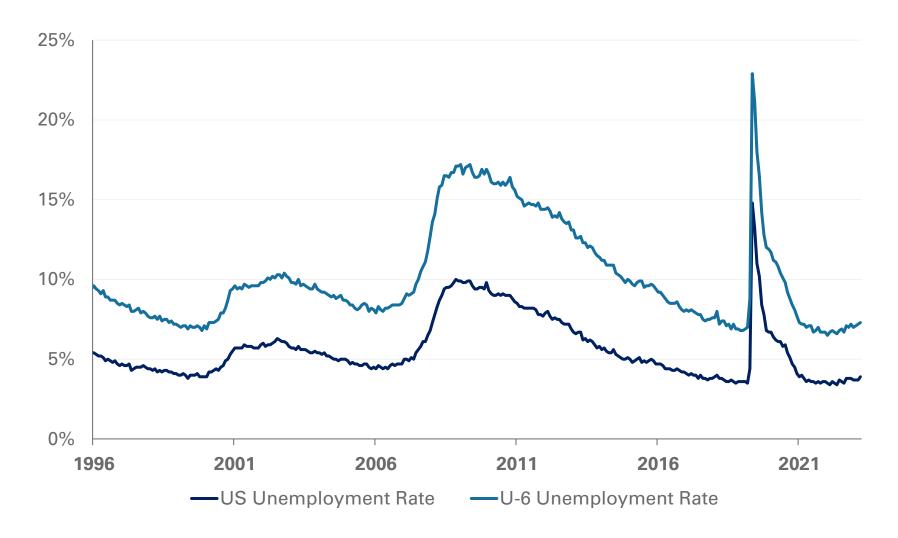
INFLATION

U.S. CONSUMER PRICE INDEX





U.S. UNEMPLOYMENT RATES

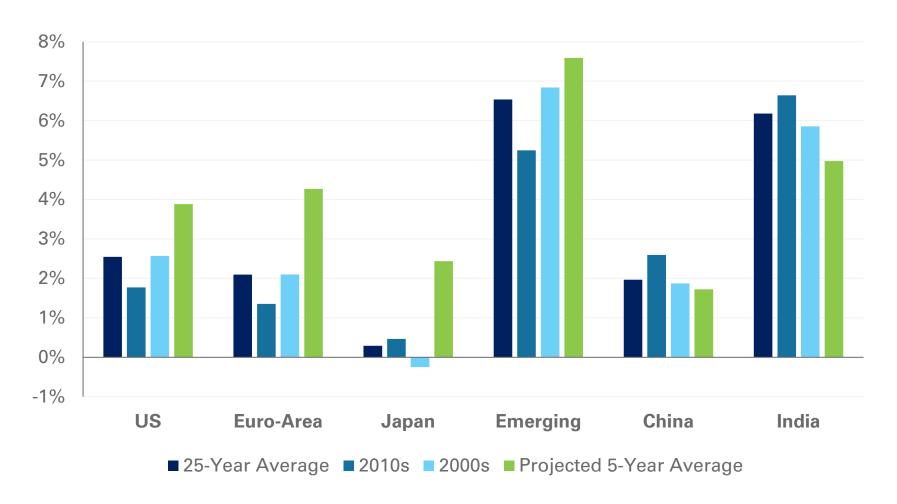




Source: FactSet

HISTORICAL INFLATION

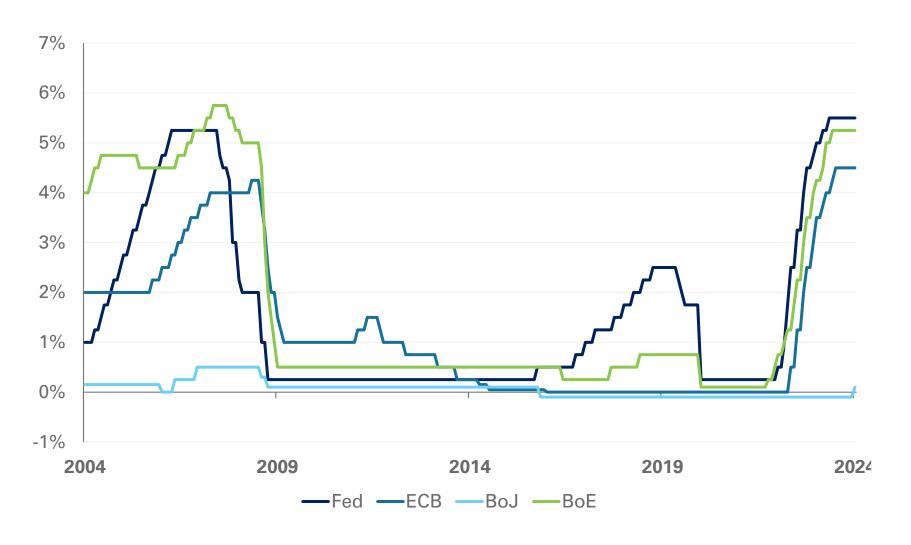
IMF PROJECTIONS





Source: IMF, FactSet

CENTRAL BANK POLICY RATES

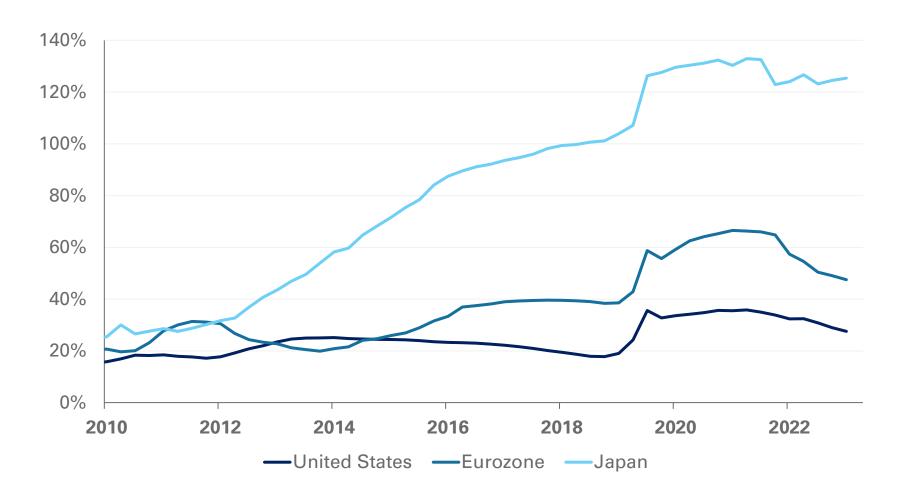




Source: Federal Reserve, ECB, Bank of Japan, Bank of England, FactSet

CENTRAL BANK BALANCE SHEETS

AS A PERCENTAGE OF GDP





Source: FactSet

CURRENCIES

RELATIVE TO THE U.S. DOLLAR

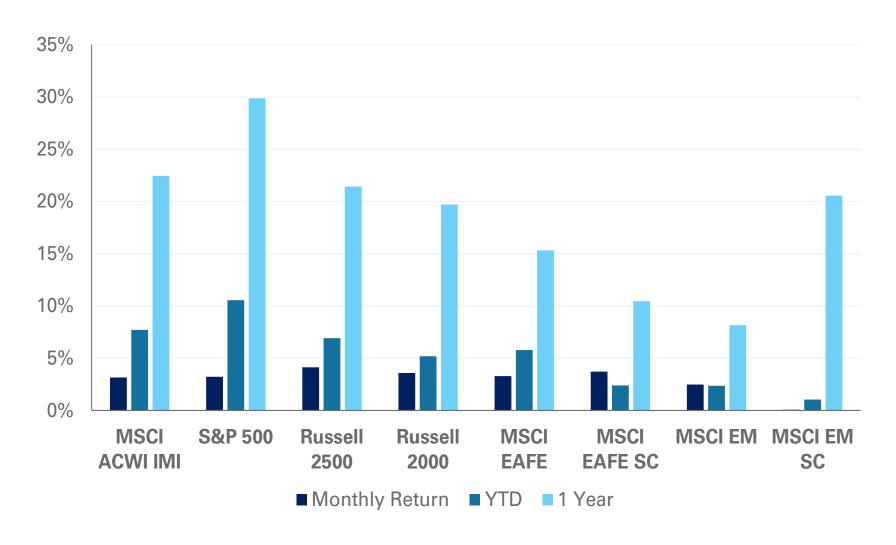
Currencies	Spot	1 Month	YTD	1 Year
Euro	1.08	-0.2%	-2.2%	-0.6%
British Pound	1.26	-0.1%	-0.9%	2.2%
Japanese Yen	151.35	-1.1%	-6.8%	-12.1%
Swiss Franc	0.90	-2.2%	-6.6%	1.4%
Australian Dollar	0.65	0.2%	-4.4%	-2.6%
New Zealand Dollar	1.67	-1.8%	-5.5%	-4.4%
Canadian Dollar	1.35	0.2%	-2.6%	0.0%
Chinese Yuan	7.23	-0.5%	-1.9%	-4.9%
Taiwanese Dollar	32.00	-1.2%	-4.1%	-4.9%
Korean Won	1346	-1.1%	-4.3%	-3.3%
Vietnamese Dong	24795	-0.6%	-2.1%	-5.4%
Thai Baht	36.49	-1.7%	-6.5%	-6.3%
Philippines Peso	56.22	0.0%	-1.5%	-3.3%
Indian Rupee	83.40	-0.6%	-0.2%	-1.5%
Russian Ruble	92.58	-1.6%	-3.4%	-16.1%
Mexican Peso	16.62	2.7%	1.9%	8.6%
Brazilian Real	5.01	-0.7%	-3.0%	1.3%
Chilean Peso	0.03	0.7%	-8.8%	-15.9%
Argentine Peso	857.51	-1.8%	-5.7%	-75.6%
South African Rand	18.94	1.3%	-3.4%	-6.3%



Source: FactSet



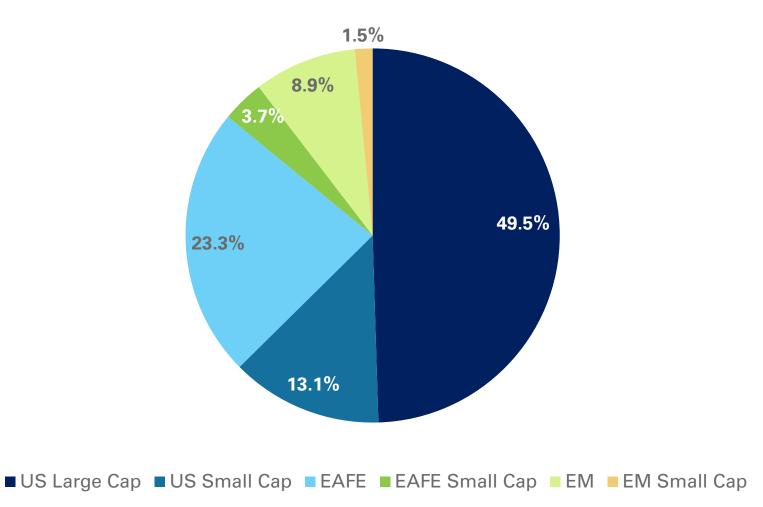
EQUITY INDEX PERFORMANCE





Source: MSCI, S&P, Russell, FactSet

MSCI ACWI IMI WEIGHTS

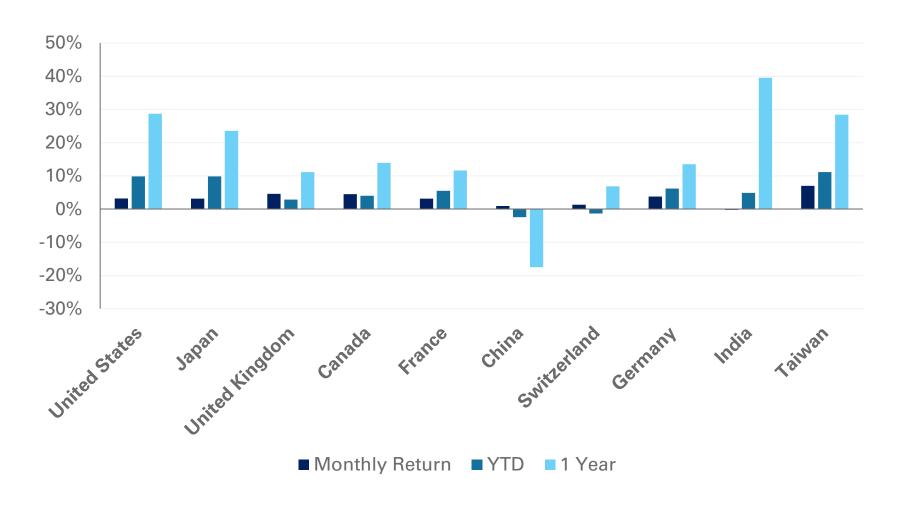




Source: MSCI, FactSet

EQUITY INDEX PERFORMANCE

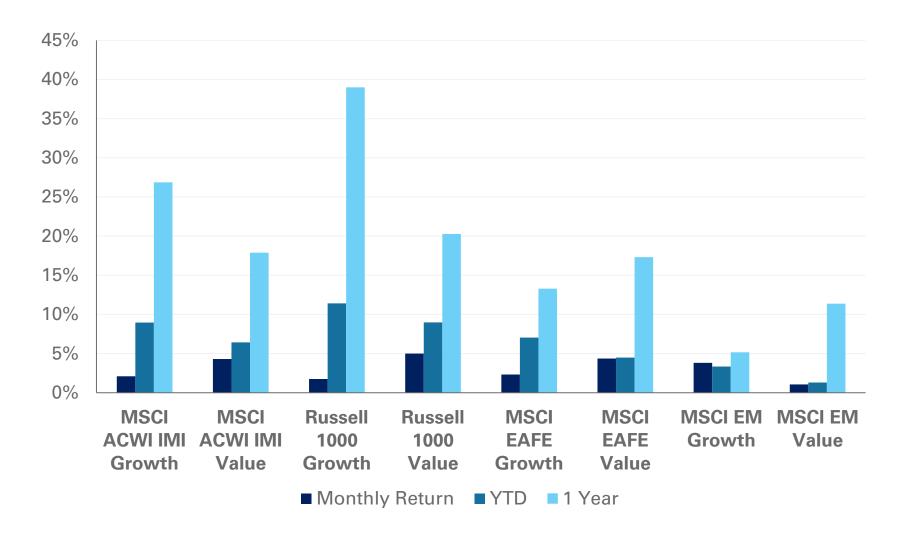
TOP 10 COUNTRIES BY MARKET CAP IN MSCI ACWI IMI INDEX





Source: MSCI, FactSet

STYLE INDEX PERFORMANCE





Source: MSCI, Russell, FactSet

SECTOR INDEX PERFORMANCE

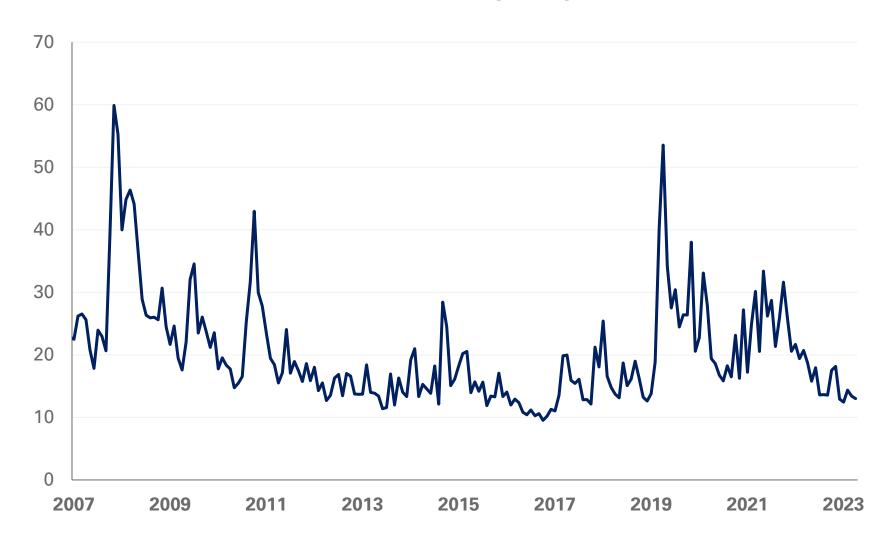
	Monthly Return	YTD	1 Year	Index Weight
MSCI ACWI IMI	3.2%	7.7%	22.5%	100.0%
Communication Services	3.5%	10.7%	29.2%	7.1%
Consumer Discretionary	1.1%	5.8%	19.5%	11.2%
Consumer Staples	2.0%	2.7%	2.5%	6.3%
Energy	8.0%	9.4%	19.2%	4.6%
Financials	4.3%	8.7%	27.9%	15.9%
Health Care	2.1%	6.6%	12.5%	11.0%
Industrials	3.8%	8.9%	24.4%	11.8%
Information Technology	2.2%	11.5%	39.2%	22.4%
Materials	5.8%	1.7%	8.6%	4.6%
Real Estate	2.8%	-1.3%	6.8%	2.8%
Utilities	5.0%	1.2%	2.1%	2.5%

	Monthly Return	YTD	1 Year	Index Weight
S&P 500	3.2%	10.6%	29.9%	100.0%
Communication Services	4.3%	15.8%	49.8%	9.0%
Consumer Discretionary	0.1%	5.0%	28.7%	10.3%
Consumer Staples	3.5%	7.5%	7.2%	6.0%
Energy	10.6%	13.7%	17.7%	3.9%
Financials	4.8%	12.5%	33.5%	13.2%
Health Care	2.4%	8.8%	16.1%	12.4%
Industrials	4.4%	11.0%	26.7%	8.8%
Information Technology	2.0%	12.7%	46.0%	29.6%
Materials	6.5%	8.9%	17.6%	2.4%
Real Estate	1.8%	-0.5%	9.6%	2.3%
Utilities	6.6%	4.6%	0.4%	2.2%



Source (Top): MSCI, FactSet Source (Bottom: S&P, FactSet

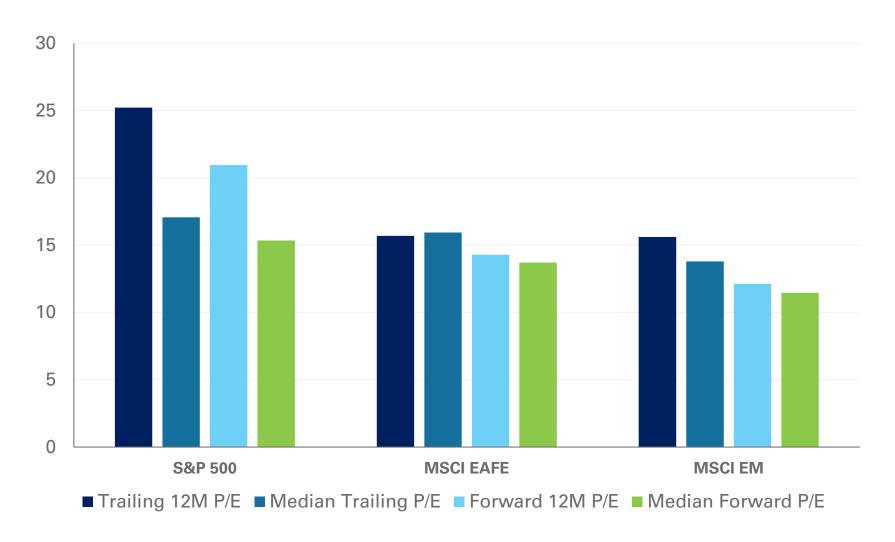
EQUITY VOLATILITY INDEX (VIX)





Source: CBOE, FactSet

GLOBAL EQUITY VALUATIONS

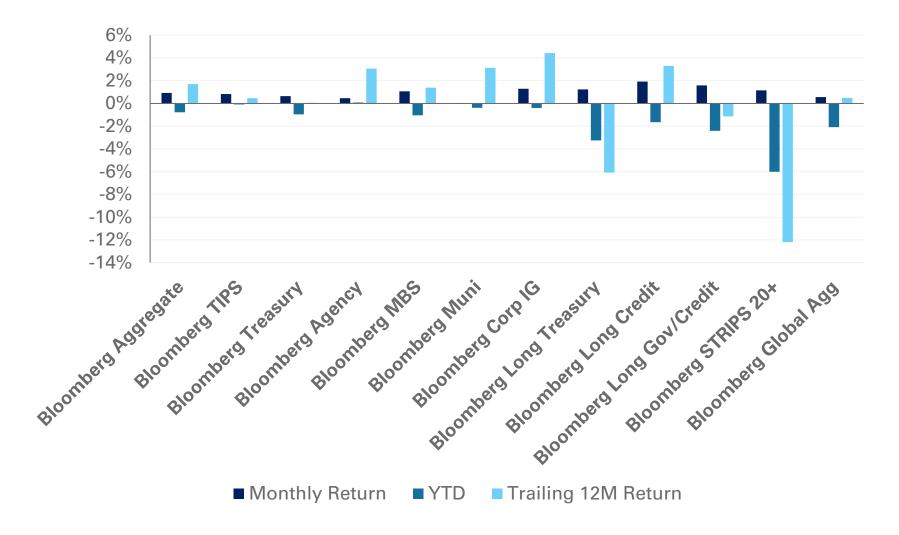




Median calculated based on 20-year monthly data Source: S&P, MSCI, FactSet



SAFE-HAVEN FIXED INCOME PERFORMANCE





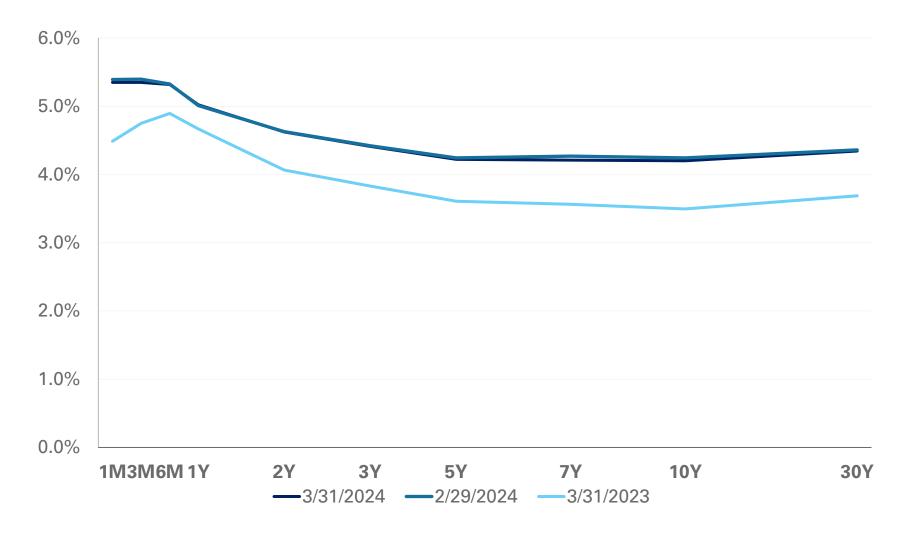
Source: Bloomberg, FactSet

FIXED INCOME CHARACTERISTICS

	Yield to Worst	Spread (bps)	Duration (Years)
Bloomberg Aggregate	4.85%	39	6.2
Bloomberg TIPS	4.61%	-	4.6
Bloomberg Treasury	4.43%	-	6.0
Bloomberg Agency	4.79%	15	3.2
Bloomberg MBS	5.04%	49	6.1
Bloomberg Muni	3.49%	-	6.1
Bloomberg Corp IG	5.30%	90	7.0
Bloomberg Long Treasury	4.42%	-	15.3
Bloomberg Long Credit	5.46%	109	12.8
Bloomberg Long Gov/Credit	4.96%	57	14.0
Bloomberg STRIPS 20+	4.42%	-	25.1
Bloomberg Global Agg	3.74%	39	6.7



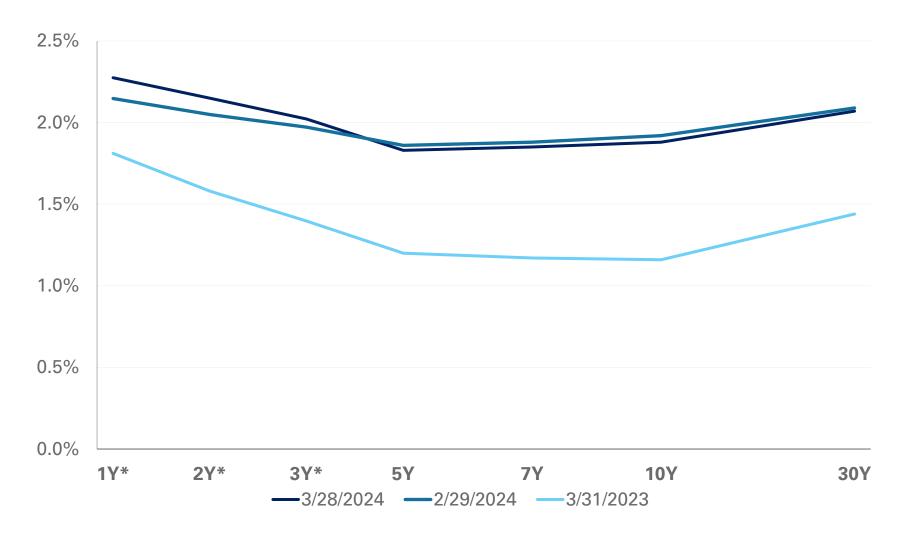
US TREASURY YIELD CURVE





Source: FactSet

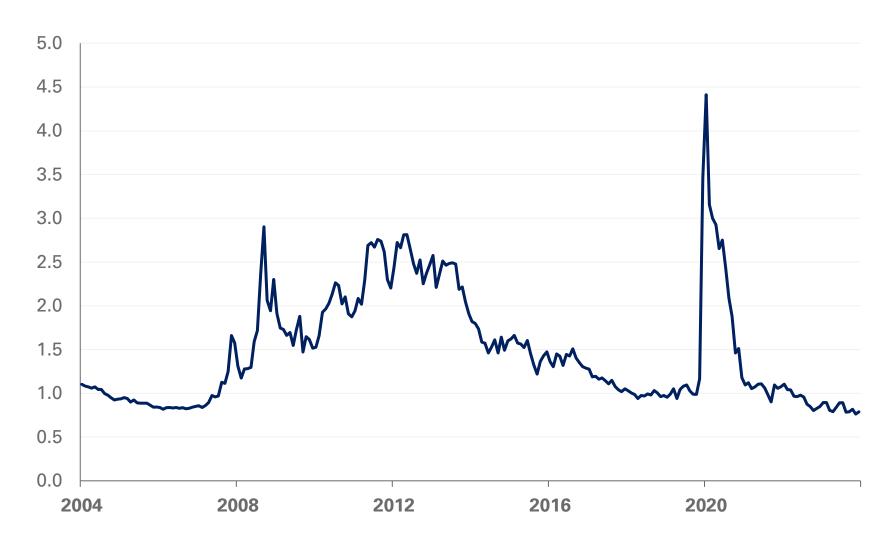
US TREASURY REAL YIELD CURVE





Notes: *Real yields are calculated based on a weighted average of select off-the-run TIPS yields Source: NEPC, Bloomberg, FactSet

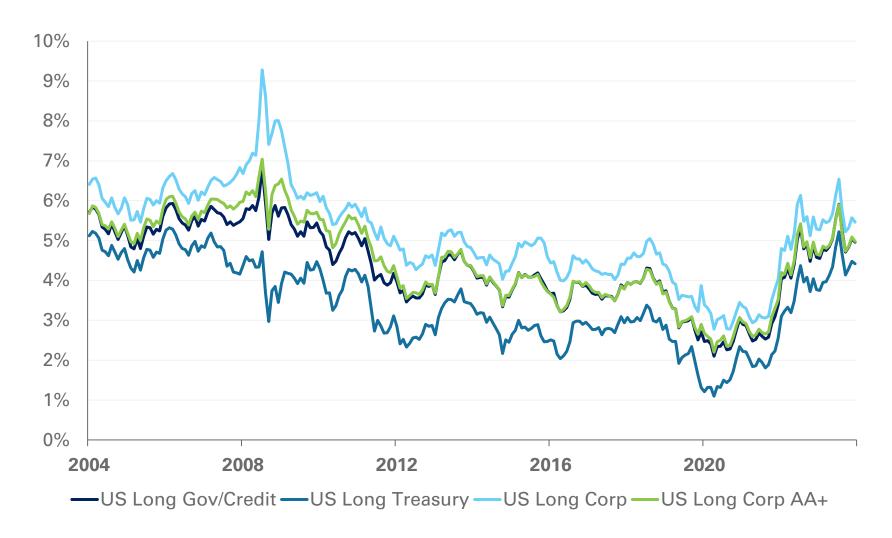
MUNI-TO-TREASURY RATIO





Numerator represents yield-to-worst for municipal bonds Source: Bloomberg, FactSet

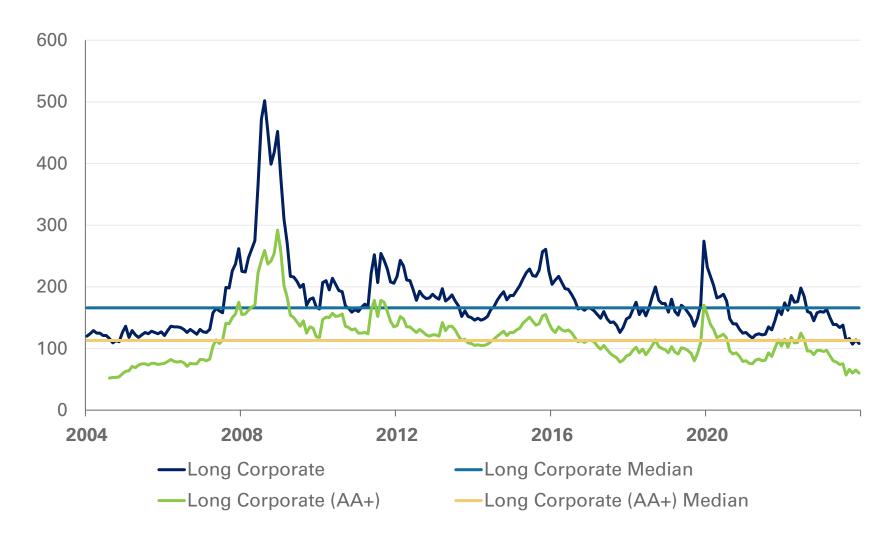
LONG DURATION YIELDS





Source: Bloomberg, FactSet

LONG DURATION CORPORATE SPREADS

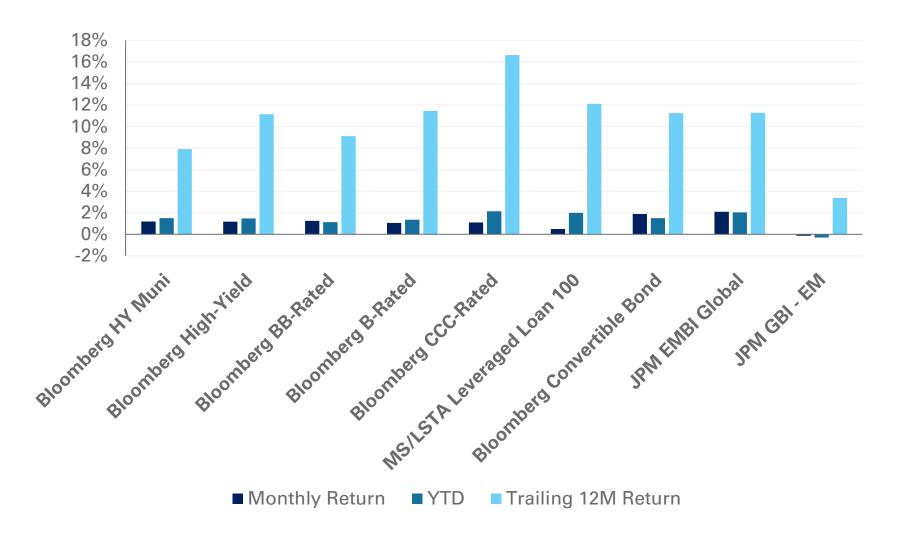




Median calculated based on 20-year of monthly data Source: Bloomberg, FactSet



RETURN-SEEKING CREDIT INDEX PERFORMANCE





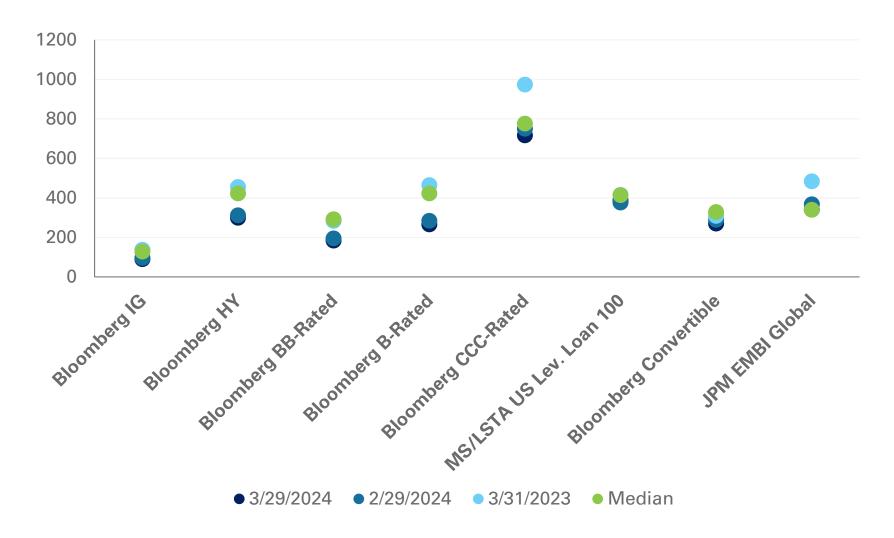
Source: Bloomberg, S&P, JPM, FactSet

RETURN-SEEKING CREDIT CHARACTERISTICS

	Yield to Worst	Spread (bps)	Duration (Years)
Bloomberg HY Muni	5.50%	-	6.9
Bloomberg High-Yield	7.66%	299	3.2
Bloomberg BB-Rated	6.49%	184	3.4
Bloomberg B-Rated	7.38%	266	2.9
Bloomberg CCC-Rated	11.87%	717	2.8
MS/LSTA Leveraged Loan 100	9.43%	387	-
Bloomberg Convertible Bond	0.84%	270	1.8
JPM EMBI Global	7.75%	341	6.7
JPM GBI - EM	4.49%	-	5.6



CREDIT SPREADS

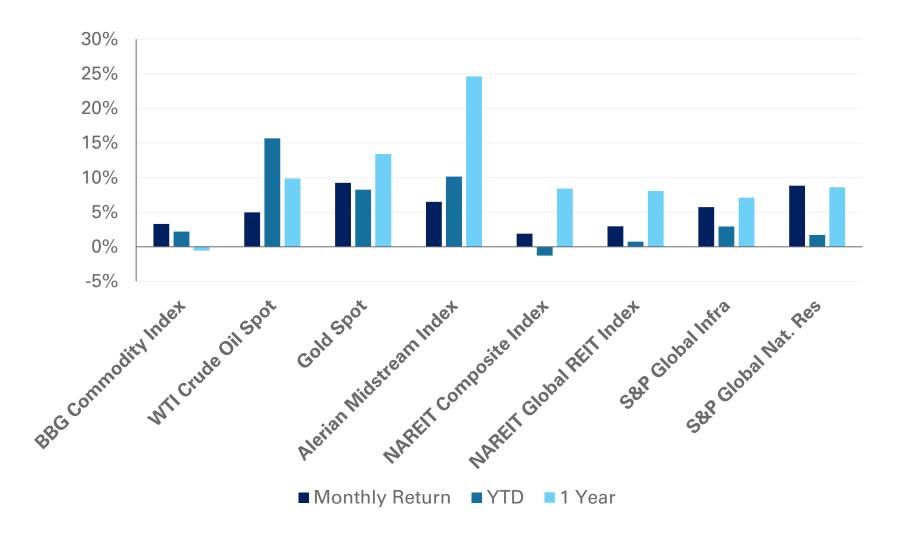




Median calculated based on 20-year of monthly data Source: Bloomberg, S&P, JPM, FactSet



REAL ASSETS INDEX PERFORMANCE





Source: Bloomberg, Alerian, NAREIT, S&P, FactSet

REAL ASSETS INDEX PERFORMANCE

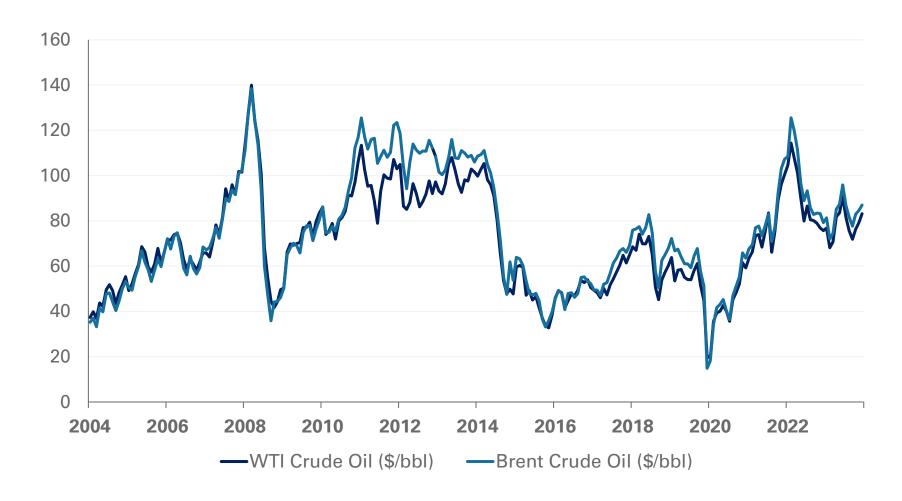
Index	1 Month	3 Month	YTD	1 Year	3 Year	5 Year
Bloomberg Commodity Index	3.3%	2.2%	2.2%	-0.6%	9.1%	6.4%
Bloomberg Sub Agriculture Index	2.5%	-3.0%	-3.0%	-7.3%	8.3%	10.6%
Coffee	2.9%	3.8%	3.8%	25.9%	20.5%	13.2%
Corn	3.3%	-7.6%	-7.6%	-22.9%	2.5%	7.5%
Cotton	-7.8%	13.5%	13.5%	15.3%	14.4%	8.1%
Soybean	4.9%	-7.5%	-7.5%	-6.0%	6.2%	12.0%
Soybean Oil	6.5%	-0.1%	-0.1%	-5.1%	8.5%	17.2%
Sugar	4.3%	14.3%	14.3%	13.5%	23.4%	14.8%
Wheat	-2.4%	-10.1%	-10.1%	-24.2%	-8.5%	-0.5%
Bloomberg Sub Energy	2.4%	4.8%	4.8%	1.0%	13.2%	-1.2%
Brent Crude	7.1%	15.6%	15.6%	20.8%	29.6%	14.7%
Heating Oil	1.5%	13.1%	13.1%	27.4%	41.2%	16.8%
Natural Gas	-11.8%	-28.7%	-28.7%	-50.1%	-28.3%	-31.5%
Unleaded Gas	6.2%	18.7%	18.7%	25.1%	35.6%	20.4%
WTI Crude Oil	7.8%	17.7%	17.7%	21.8%	23.8%	3.5%
Bloomberg Sub Industrial Metals	1.8%	-0.7%	-0.7%	-7.9%	2.2%	4.8%
Aluminum	4.9%	-2.2%	-2.2%	-4.3%	1.0%	2.0%
Copper	4.6%	3.7%	3.7%	0.3%	1.7%	7.1%
Nickel	-6.4%	0.7%	0.7%	-29.6%	2.1%	5.5%
Zinc	0.4%	-8.7%	-8.7%	-14.1%	-1.2%	-0.9%
Bloomberg Sub Precious Metals	8.6%	6.6%	6.6%	9.9%	6.6%	10.0%
Gold	8.2%	6.4%	6.4%	14.5%	5.3%	9.5%
Silver	9.3%	3.8%	3.8%	2.8%	0.2%	9.2%
Bloomberg Sub Livestock	-0.8%	11.0%	11.0%	13.7%	4.8%	-2.7%
Lean Hogs	-2.2%	15.0%	15.0%	11.7%	-0.1%	-8.0%
Live Cattle	-0.1%	9.0%	9.0%	14.8%	7.2%	0.4%



Source: Bloomberg, FactSet

OIL MARKETS

WTI VERSUS BRENT CRUDE SPOT PRICES





Source: WTI, Brent, FactSet

GOLD SPOT PRICE





Source: FactSet





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Source of private fund performance benchmark data: Cambridge Associates, via Refinitiv

