

Chief Investment Officer Monthly Report

Jonathan Grabel - Chief Investment Officer



Board of Investments Meeting June 12, 2024

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1 Market Environment

Global Market Performance as of May 31, 2024

Mar-24

May-24





Nov-23

Jan-24

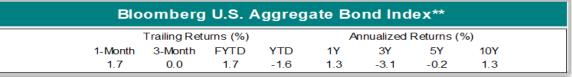


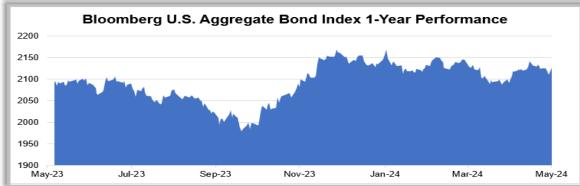
Sep-23

Jul-23

1400

1300 May-23





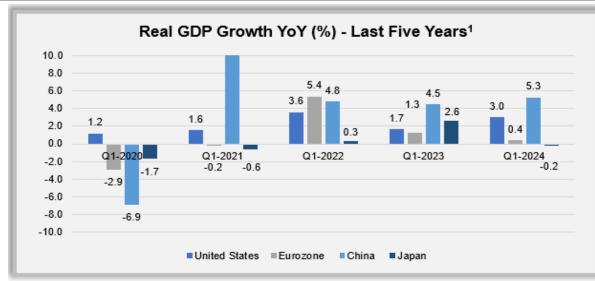
**Investment Grade Bonds Policy Benchmark - Barclays U.S. Aggregate Bond Index

Market	Sub-Category	Index Name	1-Month	3-Month	FYTD	YTD	1 Y	3 Y	5 Y	10 Y
Reference Portfolio	60:40 Equity:Bond Portfolio	60% MSCI ACWI IMI/ 40% Bloomberg U.S. Aggregate Index	3.1	2.2	10.3	4.2	14.0	1.6	6.9	5.6
	Global All Cap	MSCI ACWI IMI Total Return	4.1	3.7	16.2	8.3	23.0	4.5	11.3	8.2
	U.S. All Cap	Russell 3000 Total Return	4.7	3.3	19.4	10.1	27.5	7.8	15.0	12.1
Equity	U.S. Large Cap	S&P 500 Total Return		3.9	20.2	11.3	28.1	9.6	15.8	12.7
Equity	U.S. Small Cap	Russell 2000 Total Return	5.0	1.1	11.1	2.7	20.1	-1.6	8.6	7.7
	Non-U.S. All Cap	MSCI ACWI-ex U.S. IMI Total Return	3.0	4.3	11.8	5.5	16.6	0.1	6.9	4.1
	Emerging Markets	MSCI Emerging Markets Total Return	0.6	3.5	8.3	3.4	12.4	-6.2	3.5	2.7
Private Equity	Private Equity Buyout	Thomson Reuters PE Buyout Index	6.1	3.2	28.6	16.3	40.8	-0.2	11.6	10.9
	U.S. Investment Grade Bonds	Bloomberg U.S. Aggregate Index	1.7	0.0	1.7	-1.6	1.3	-3.1	-0.2	1.3
	U.S. Corporate High Yield Bonds	Bloomberg U.S. Corporate High Yield Total Return	1.1	1.3	9.4	1.6	11.2	1.8	4.2	4.3
Fixed Income	U.S. Long Term Treasury Bonds	Bloomberg Long Term U.S. Treasury Total Return Index	2.9	-2.2	-7.1	-6.6	-7.1	-9.9	-4.3	0.4
rixed ilicollie	Developed Markets Leveraged Loans	Credit Suisse Leveraged Loan Total Return	0.9	2.4	10.7	4.2	13.2	6.0	5.3	4.6
	U.S. Treasury Inflation Protected Securities	Bloomberg U.S. Treasury TIPS Total Return Index	1.7	0.8	1.9	-0.1	1.6	-1.4	2.1	1.9
	U.S. 3 Month Treasury Bill	FTSE 3 Month Treasury Bill	0.5	1.4	5.2	2.3	5.6	3.0	2.2	1.5
Commodity	Commodity Prices Index	Bloomberg Commodity Index Total Return		8.0	6.6	6.8	10.9	6.8	8.1	-1.1
Commodity	Natural Resources	S&P Global LargeMidCap Commodity & Resources Index	2.4	13.0	10.0	5.7	16.7	8.1	11.9	5.0
Infrastracture	Global Infrastructure	Dow Jones Brookfield Global Infrastructure Composite Index	4.3	4.6	5.5	1.9	8.8	2.9	4.1	3.8
Real Estate	U.S. REITs	MSCI U.S. REIT Index	4.7	-0.8	4.6	-3.0	9.8	0.1	3.6	5.7

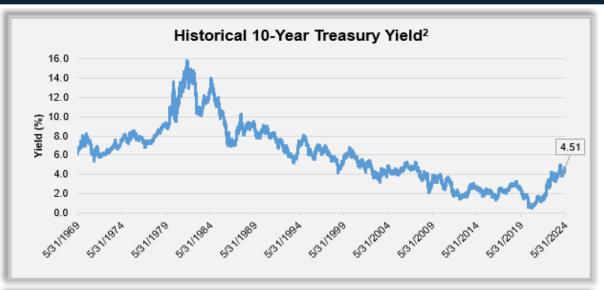
Source: Bloombera

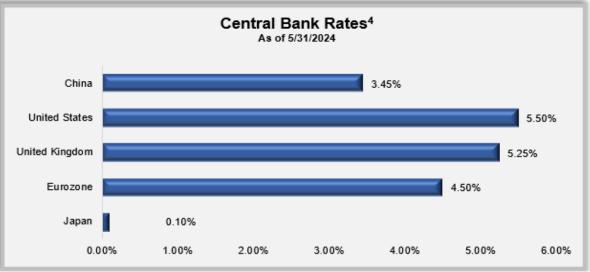
Key Macro Indicators*











Sources:

^{*}The information on the "Key Macro Indicators" charts is the best available data as of 5/31/24 and may not reflect the current market and economic environment

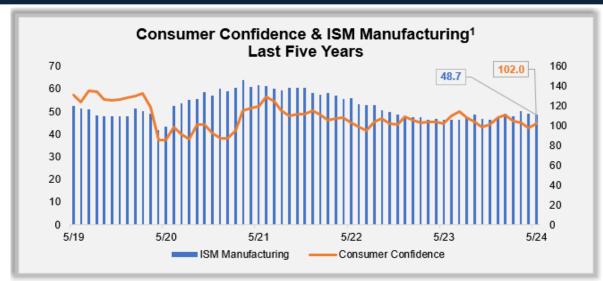
Bloomberg

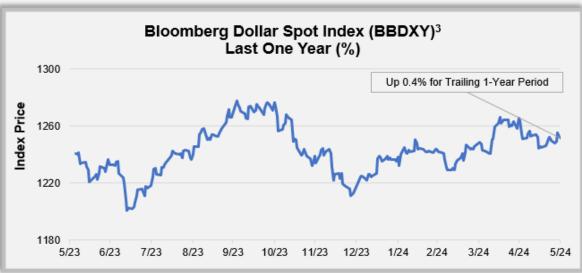
^{2.} St. Louis Federal Reserve

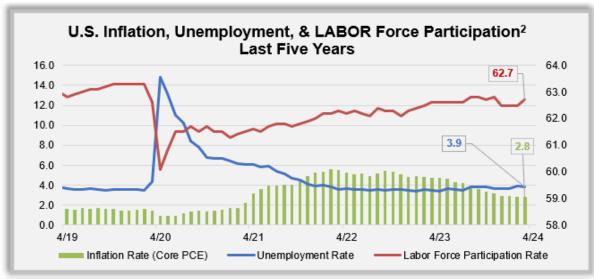
^{3.} FactSet FactSet

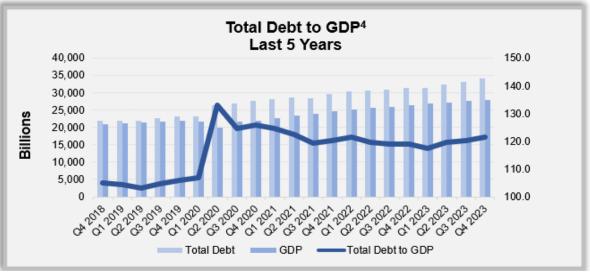
Key Macro Indicators*











^{*}The information on the "Key Macro Indicators" charts is the best available data as of 5/31/24 and may not reflect the current market and economic environment.

^{1.} Bloomberg 3. Bloomberg

^{2.} Bloomberg 4. Office of Management and Budget; St. Louis Federal Reserve



Portfolio Performance& Risk Updates

Market Themes and Notable Items to Watch



Recent Themes

- The Bureau of Economic Analysis released a second estimate for U.S. Gross Domestic Product ("GDP") indicating that real GDP increased at an annual rate of 1.3% in the first quarter of 2024
- Select global stock market indices reached record highs in May, including the MSCI All Country World Index and the Nasdaq Composite Index
- The U.S. 10-year Treasury yield ended May at 4.51% after being 3.88% at the end of both 2022 and 2023, 1.52% at the end of 2021, and 0.93% at the end of 2020
- Global equities (MSCI All Country World Investable Index) declined 4.1% in May

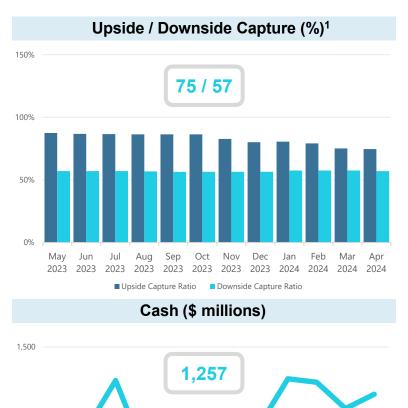
What to Watch

- Interest rates and central bank actions
- Economic data and trends
 - Inflation, supply chains, and labor developments
- Macro conditions and geopolitical risks
- Artificial intelligence including research developments, applications, and infrastructure investment
- Stewardship and ESG-related developments
 - Further convergence of global reporting frameworks, with the International Financial Reporting Standards (IFRS) and the International Sustainability Standards Board (ISSB) announcing they will work with the Global Reporting Initiative to facilitate companies to report both ESG-related financial risks and risks that may arise from a company's impacts

Total Fund Summary as of April 2024

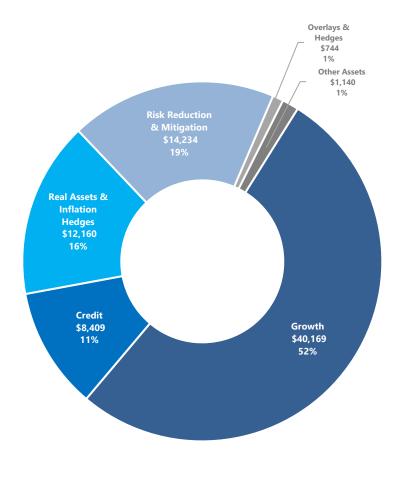








Asset Allocation (\$ millions)²



¹ Reference portfolio = 60% MSCI ACWI IMI / 40% Bloomberg US Aggregate Bond Index

² Other Assets include receivables due to deferred sales and rebalancing activity pending settlement.

Historical Net Performance as of April 2024



							LACE	RA Pe	nsion	Fund	
	Market Value (\$ millions)	% of Total Fund	Final Target	1 Month	3 Month	FYTD	1 Year	3 Year	5 Year	10 Year	r 15.0%
otal Fund	76,856	100.0%	100.0%	-1.4%	1.5%	6.0%	7.7%	5.2%	7.8%	7.4%	
Total Fund Policy BM				-1.6%	3.3%	7.0%	8.0%	3.1%	6.4%	6.7%	
7% Annual Hurdle Rate				0.6%	0.6%	5.8%	7.0%	7.0%	7.0%	7.0%	10.0%
Growth	40,169	52.3%	53.0%	-2.2%	2.4%	8.1%	11.8%	7.0%			
Growth Policy BM				-2.0%	7.0%	11.9%	14.8%	4.7%			
Credit	8,409	10.9%	11.0%	1.5%	3.9%	12.6%	14.7%	5.8%			5.0%
Credit Policy BM				0.6%	1.8%	10.8%	11.8%	3.3%			
Real Assets & Inflation Hedges	12,160	15.8%	17.0%	-0.7%	-0.3%	-1.1%	-3.0%	4.8%			
Real Assets & Inflation Hedges Policy BM				-1.3%	-0.6%	-1.9%	-4.3%	3.8%			0.0%
Risk Reduction & Mitigation	14,234	18.5%	19.0%	-1.7%	-1.8%	0.4%	-0.9%	-2.1%			
Risk Reduction & Mitigation Policy BM				-2.3%	-2.3%	-0.1%	-1.0%	-2.4%			
Overlays & Hedges	744	1.0%									-5.0% 1 Month 3 Month FYTD 1 Year 3 Year 5 Year 10 Year
Other Assets	1,140	1.5%									■ Total Fund ■ Total Fund Policy BM

							(OPEB	Trust	
OPEB Master Trust	Market Value (\$ millions) 3,683	% of Master Trust	Final Target	1 Month	3 Month 0.9%	FYTD 6.4%	1 Year 9.0%	3 Year 1.9%	5 Year 5.9%	10 Year 6.7%
OPEB Master Trust Policy BM 6% Annual Hurdle Rate	3,003			-2.2% 0.5%	1.7% 0.5%	6.5% 5.0%	8.5% 6.0%	1.6%	5.6% 6.0%	5.7% 6.0%
OPEB Growth OPEB Growth Policy BM	1,661	45.1%	45.0%	-3.4% -3.0%	3.8% 5.1%	11.9% 12.4%	17.0% 17.3%	3.8% 3.5%	9.3% 9.0%	
OPEB Credit OPEB Credit Policy BM	672	18.2%	18.0%	-0.4% 0.1%	0.7% 1.6%	6.8% 9.5%	8.4% 11.1%	2.6% 2.9%	3.3% 3.8%	
OPEB Real Assets & Inflation Hedges OPEB RA & IH Policy BM	737	20.0%	20.0%	-3.4% -1.5%	-1.6% -1.0%	0.7% -1.5%	1.0% -3.0%	-0.5% -0.3%	2.5% 2.7%	
OPEB Risk Reduction & Mitigation OPEB RR & M Policy BM	612	16.6%	17.0%	-3.1% -3.2%	-3.8% -3.7%	-2.0% -2.3%	-3.4% -3.6%	-3.1% -3.7%	-0.1% -0.6%	
OPEB HL PM Cash	0	0.0%								



Active and Excess Return as of April 2024





Total Fund Forecast Volatility as of April 2024*





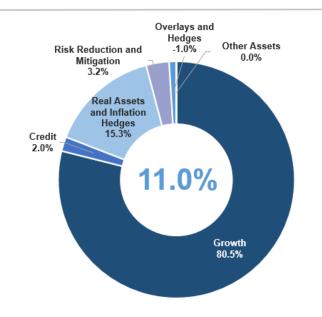


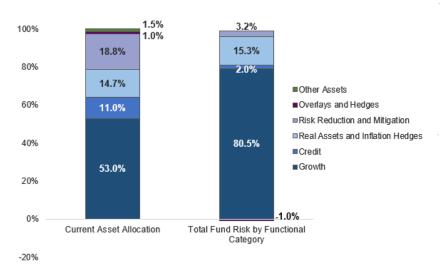




Functional Category Contributions to Total Fund Volatility

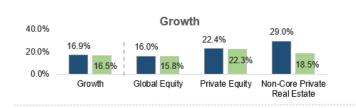






Subcategory Volatility



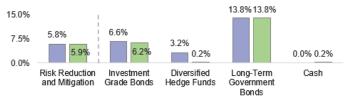








Risk Reduction and Mitigation



Source: MSCI BarraOne

^{*} Real estate and private equity data is based on best available cash flow adjusted market values. Exposure data is based on security level holdings and/or proxies.

Total Fund Forecast Tracking Error as of April 2024*





Risk Reduction and Mitigation

1.0%

Real Assets

and Inflation Hedges

46.2%



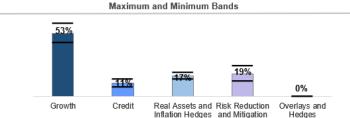
Growth

39.4%





Policy Target Weight for each Functional Category



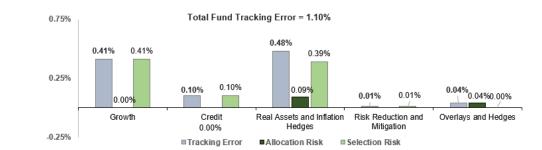
Functional Category Contributions to Tracking Error

Overlays and Hedges

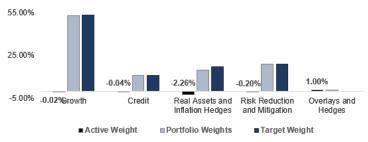
1.10%

Credit

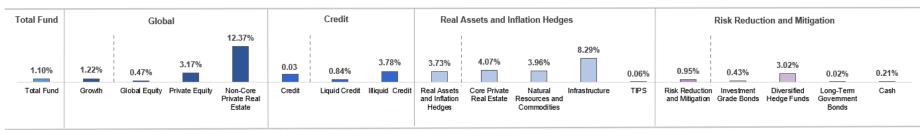
Tracking Error Attribution



Active Weights for each Functional Category





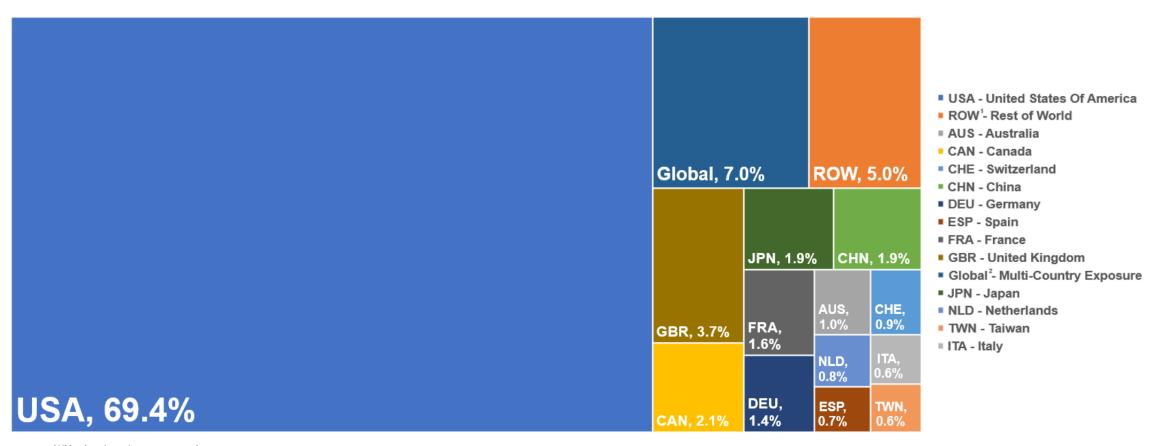


Source: MSCI BarraOne

^{*} Real estate and private equity data is based on best available cash flow adjusted market values. Exposure data is based on security level holdings and/or proxies.

Geographic Exposures by AUM Total Fund as of April 2024* Ex-Overlays and Hedges





AUM = Assets under management.

Geographic exposure is based on the domicile country of a given security/asset.

SOURCE: MSCI BarraOne

^{*} Implementation of the MSCI Risk Platform is ongoing; reconciliation and refinement of the data is progressing and subject to change.

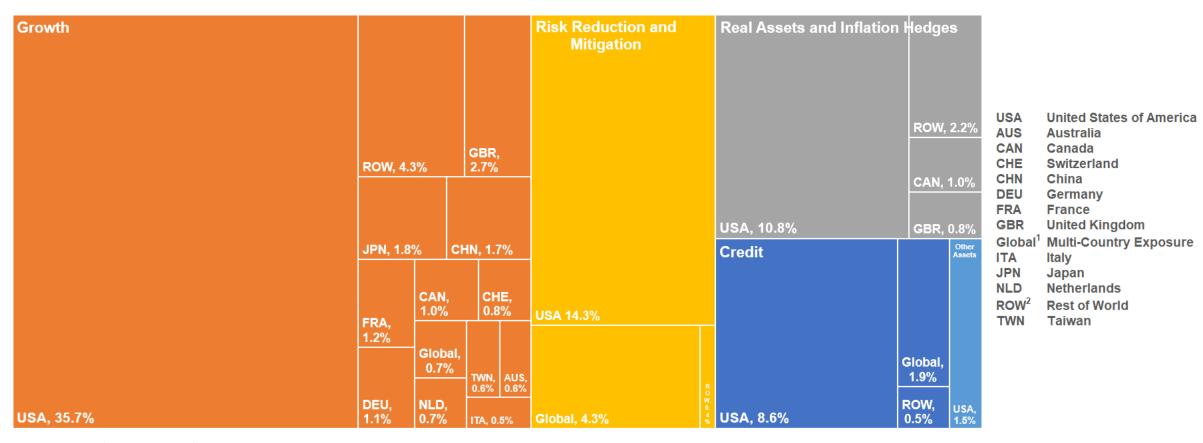
Real Estate and Private Equity data is based on best available cash flow adjusted market values. Exposure data is based on security level holdings and/or proxies

¹ "ROW - Rest of World" is sum of countries with weights below 0.5%.

² Global represents investments made in regions where specific country allocations are not available.

Geographic Exposures by AUMFunctional Categories as of April 2024* Ex-Overlays and Hedges





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Geographic exposure is based on the domicile country of a given security/asset.

SOURCE: MSCI BarraOne

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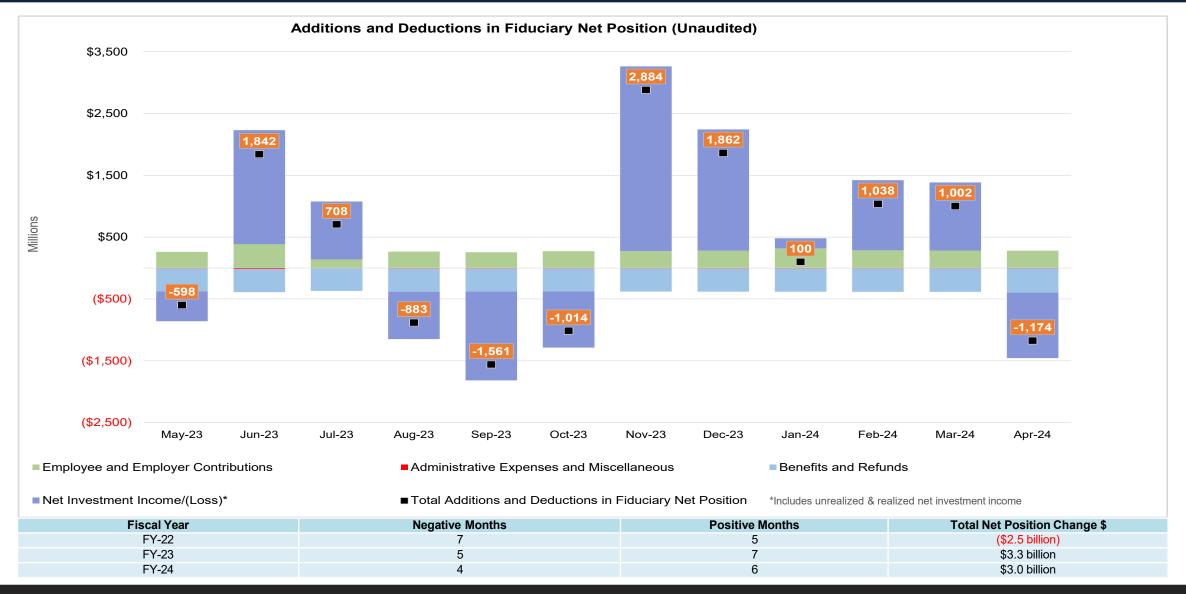
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Change In Fiduciary Net Position







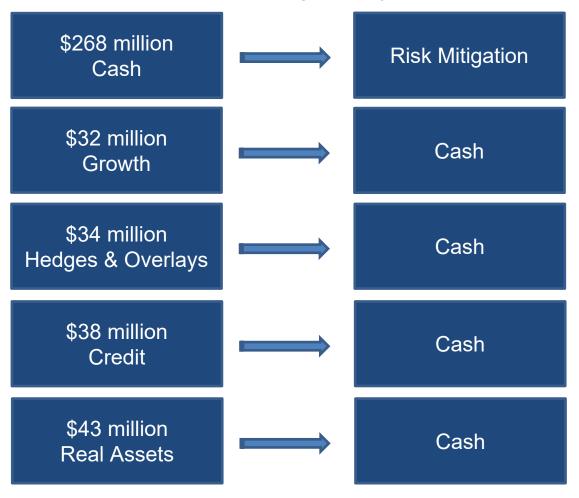
Portfolio Structural Updates

Portfolio Structural Updates



Portfolio Movements

Rebalancing Activity



Hedges & Overlays

Monthly Activity

Program	April Return	April Gain/(Loss)	Inception ¹ Gain/(Loss)
Currency Hedge ²	1.0%	\$33.7 Million	\$1.5 Billion
Cash/Rebalance Overlay ³	0.4%	\$0.0 Million	\$504.3 Million

¹ Currency and overlay program inception dates are 8/2010 & 7/2019, respectively.

Current Search Activity

Status of Active Searches – Subject to Change

Name	RFP Issued	Due Diligence	Selection/ Review
Hedge Funds, Credit, & Real Assets Consultant Search	\checkmark	\checkmark	June BOI
Risk and Analytics System, and ESG Research Services Search	\checkmark	\checkmark	TBD
Real Assets Emerging Manager Program Separate Account Manager Search	\checkmark	\checkmark	TBD

² LACERA's currency hedge program's 1-month return is calculated monthly whereas the monthly gain/loss amount for the same period is the net realized dollar amount at contract settlement over three monthly tranches.

³ LACERA's overlay program's 1-month return includes interest earned on the cash that supports the futures contracts.



14 Key Initiatives & Operational Updates

Notable Initiatives and Operational Updates



Key Initiative Updates

- Planning for the April 2024 approved Strategic Asset Allocation implementation has begun
- 2024 Offsite preparations are underway
- Adhering to the BOI-approved 2024 Work Plan and Strategic Initiatives

Operational Updates

Annual LACERA T.I.D.E. data collection exercise has begun

Team Searches and Vacancies

- Principal Investment Officer
- 3 Senior Investment Officer
 - 1 in progress
- 2 Financial Analyst-III
 - 2 in progress
- 1 Financial Analyst-I
 - 1 in progress

Manager/Consultant Updates

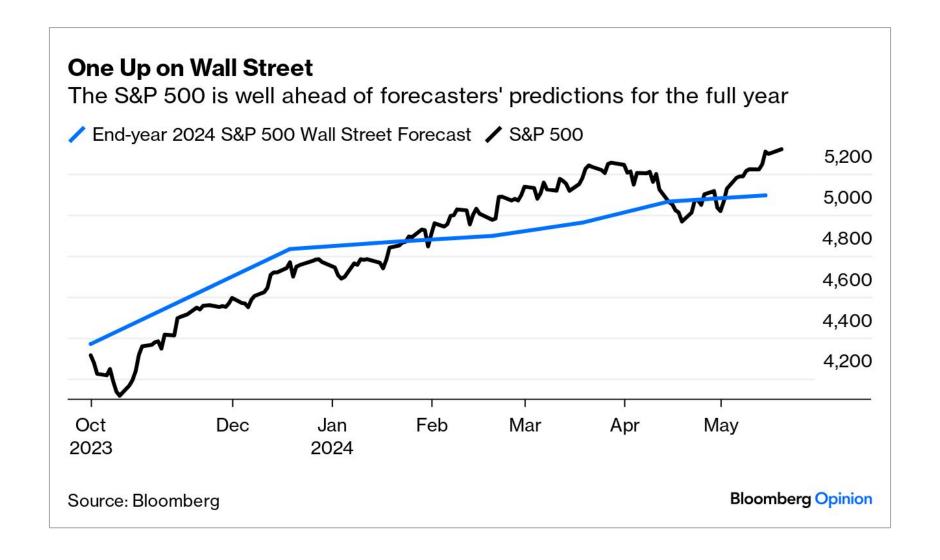
No material updates



Commentary

Staff Chart of the Month S&P 500 Surpasses Analyst Forecasts for the Full Year







06 Appendix

Quiet Period for Search Respondents



Hedge Funds, Credit, and Real Assets Consultant Search

- ✓ Albourne
- ✓ Meketa
- ✓ Mercer
- √ Wilshire

Real Assets Emerging Manager Program Discretionary Separate Account Manager

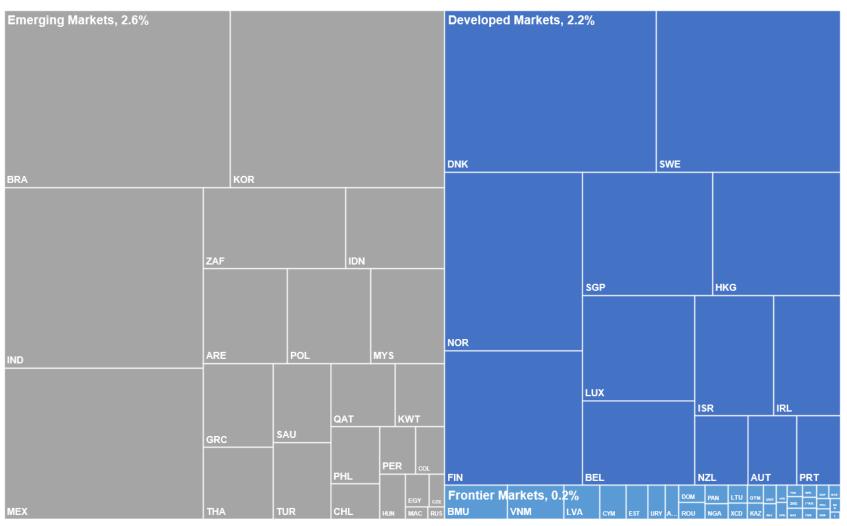
- ✓ ORG Portfolio Management
- ✓ Barings
- ✓ Belay Investment Group
- √ Hamilton Lane
- ✓ Cambridge Associates
- ✓ Seed Partners
- ✓ Stable Asset Management
- ✓ Wafra Inc.
- ✓ Artemis Real Estate Partners
- ✓ Aether Investment Partners
- ✓ Neuberger Berman Group
- ✓ The Townsend Group
- ✓ BGO Strategic Capital Partners
- ✓ BlackRock
- √ StepStone
- ✓ GCM Grosvenor

Risk and Analytics System, and ESG Research Services Search

- ✓ BlackRock Financial Management Inc.
- ✓ Barra, LLC
- ✓ Bloomberg Finance L.P.
- ✓ Clearwater Analytics
- ✓ eVestment Alliance, LLC
- ✓ FactSet Research Systems Inc.
- ✓ ISS STOXX GmbH
- ✓ MSCI ESG Research LLC
- ✓ Northfield Information Systems, Inc.
- ✓ Solovis, Inc.

Rest of World Geographic Exposures by AUM Total Fund as of April 2024* Ex-Overlays and Hedges





AUM = Assets under management.

SOURCE: MSCI BarraOne

Geographic exposure is based on the domicile country of a given security/asset.

^{*} Implementation of the MSCI Risk Platform is ongoing; reconciliation and refinement of the data is progressing and subject to change.

Real Estate and Private Equity data is based on best available cash flow adjusted market values. Exposure data is based on security level holdings and/or proxies

Rest Of World Glossary



5.0%	Rest of World	2.2%	Developed Markets	2.6%	Emerging Markets	0.2%	Frontier Markets
2.2%	Developed Markets	0.040%	AUT - Austria	0.094%	ARE - United Arab Emirates	0.006%	ARG - Argentina
2.6%	Emerging Markets	0.112%	BEL - Belgium	0.473%	BRA - Brazil	0.002%	BGR - Bulgaria
0.2%	Frontier Markets	0.403%	DNK - Denmark	0.020%	CHL - Chile	0.002%	BHR - Bahrain
		-0.014%	EMU - European Monetary Union	0.016%	COL - Colombia	0.025%	BMU - Bermuda
		0.218%	FIN - Finland	0.006%	CZE - Czech Republic	0.002%	CMR - Cameroon
		0.186%	HKG - Hong Kong	0.009%	EGY - Egypt	0.010%	CYM - Cayman Islands
		0.094%	IRL - Ireland	0.069%	GRC - Greece	0.005%	DOM - Dominican Republic
		0.112%	ISR - Israel	0.014%	HUN - Hungary	0.002%	ECU - Ecuador
		0.140%	LUX - Luxembourg	0.095%	IDN - Indonesia	0.009%	EST - Estonia
		0.290%	NOR - Norway	0.424%	IND - India	0.002%	GEO - Georgia
		0.043%	NZL - New Zealand	0.448%	KOR - Korea	0.002%	GHA - Ghana
		0.036%	PRT - Portugal	0.037%	KWT - Kuwait	0.003%	GTM - Guatemala
		0.189%	SGP - Singapore	0.003%	MAC - Macao	0.000%	ISL - Iceland
		0.351%	SWE - Sweden	0.354%	MEX - Mexico	0.001%	JEY - Jersey
				0.083%	MYS - Malaysia	0.003%	KAZ - Kazakhstan
				0.020%	PER - Peru	0.002%	KEN - Kenya
				0.033%	PHL - Phillipines	0.004%	LTU - Lithuania
				0.093%	POL - Poland	0.015%	LVA - Latvia
				0.048%	QAT - Qatar	0.002%	MAR - Morocco
				0.002%	RUS - Russia	0.002%	MOZ - Mozambique
				0.054%	SAU - Saudi Arabia	0.002%	MUS - Mauritius
				0.059%	THA - Thailand	0.004%	NGA - Nigeria
				0.052%	TUR - Turkey	0.002%	PAK - Pakistan
				0.136%	ZAF - South Africa	0.005%	PAN - Panama
						0.005%	ROU - Romania
						0.002%	TUN - Tunisia
						0.003%	UKR - Ukraine
						0.007%	URY - Uruguay
							VEN - Venezuela
						0.023%	VNM - Vietnam
						0.004%	XCD - Eastern Caribbean Dollar