

Chief Investment Officer Monthly Report

Jonathan Grabel - Chief Investment Officer



Board of Investments Meeting March 13, 2024

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1 Market Environment

Global Market Performance as of February 29, 2024

Feb-24

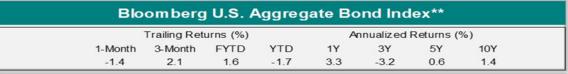


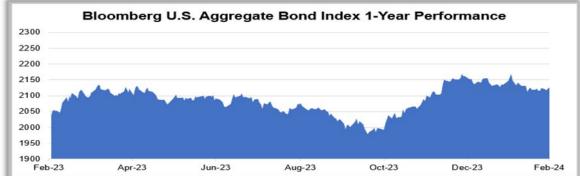


Aug-23

Oct-23

Dec-23





Jun-23

Арг-23

1300

Feb-23

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

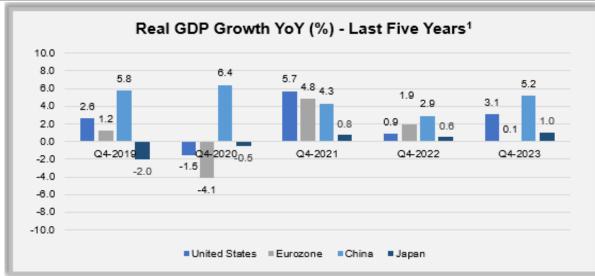
Market	Sub-Category	Index Name	1-Month	3-Month	FYTD	YTD	1 Y	3 Y	5 Y	10 Y
Reference Portfolio	60:40 Equity:Bond Portfolio	60% MSCI ACWI IMV 40% Bloomberg U.S. Aggregate Index	1.9	6.7	7.9	2.0	14.1	2.5	6.5	5.6
	Global All Cap	MSCI ACWI IMI Total Return	4.2	9.9	12.1	4.4	21.6	6.1	10.1	8.1
	U.S. All Cap	Russell 3000 Total Return	5.4	12.2	15.6	6.6	28.5	9.9	13.9	12.0
Equity	U.S. Large Cap	S&P 500 Total Return	5.3	12.0	15.7	7.1	30.4	11.9	14.7	12.7
Equity	U.S. Small Cap	Russell 2000 Total Return	5.7	14.0	9.9	1.5	10.0	-0.9	6.9	7.1
	Non-U.S. All Cap	MSCI ACWI-ex U.S. IMI Total Return	2.3	6.5	7.3	1.2	12.1	1.1	5.5	4.0
	Emerging Markets	MSCI Emerging Markets Total Return	4.8	3.8	4.6	-0.1	8.7	-6.3	1.9	3.0
Private Equity	Private Equity Buyout	Thomson Reuters PE Buyout Index	8.9	20.5	24.6	12.7	24.5	1.2	9.3	11.2
	U.S. Investment Grade Bonds	Bloomberg U.S. Aggregate Index	-1.4	2.1	1.6	-1.7	3.3	-3.2	0.6	1.4
	U.S. Corporate High Yield Bonds	Bloomberg U.S. Corporate High Yield Total Return	0.3	4.0	8.0	0.3	11.0	1.8	4.2	4.3
Fixed Income	U.S. Long Term Treasury Bonds	Bloomberg Long Term U.S. Treasury Total Return Index	-2.3	3.8	-5.0	-4.4	-2.8	-10.0	-2.0	1.2
rixed income	Developed Markets Leveraged Loans	Credit Suisse Leveraged Loan Total Return	0.9	3.3	8.1	1.7	11.3	5.5	5.1	4.5
	U.S. Treasury Inflation Protected Securities	Bloomberg U.S. Treasury TIPS Total Return Index	-1.1	1.8	1.1	-0.9	2.5	-0.9	2.7	2.1
	U.S. 3 Month Treasury Bill	FTSE 3 Month Treasury Bill	0.4	1.4	3.7	0.9	5.4	2.5	2.0	1.3
Commodity	Commodity Prices Index	Bloomberg Commodity Index Total Return	-1.5	-3.7	-1.2	-1.1	-3.9	7.1	5.6	-1.8
Commounty	Natural Resources	S&P Global LargeMidCap Commodity & Resources Index	-0.1	-3.0	-2.6	-6.4	-6.5	7.0	7.8	4.2
Infrastracture	Global Infrastructure	Dow Jones Brookfield Global Infrastructure Composite Index	-0.1	-0.1	0.9	-2.5	2.6	6.1	3.8	4.1
Real Estate	U.S. REITs	MSCI U.S. REIT Index	2.0	7.4	5.5	-2.2	5.6	4.9	4.4	6.4

Source: Bloomberg

^{*}Global Equity Policy Benchmark - MSCI ACWI IMI Index

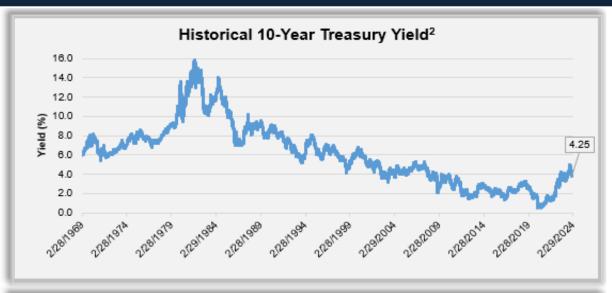
Key Macro Indicators*

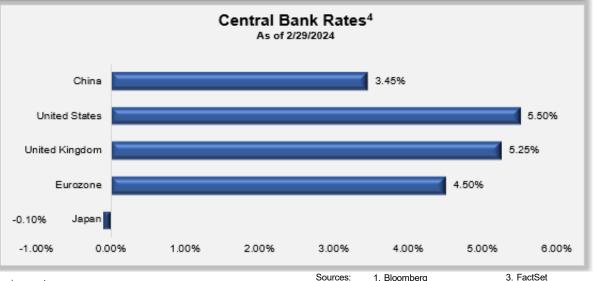






■ MSCI ACWI-ex US





^{*}The information on the "Key Macro Indicators" charts is the best available data as of 2/29/24 and may not reflect the current market and economic environment.

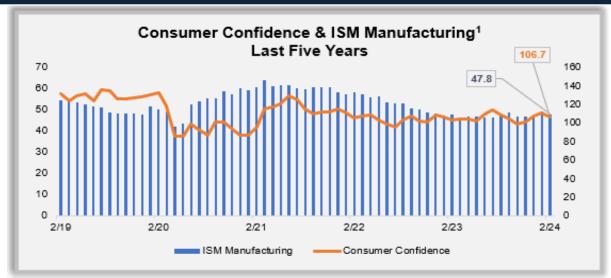
Sources:

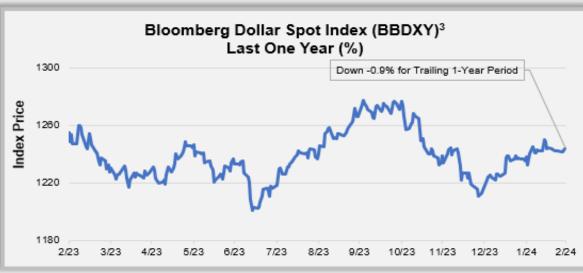
1. Bloomberg
2. St. Louis Federal Reserve

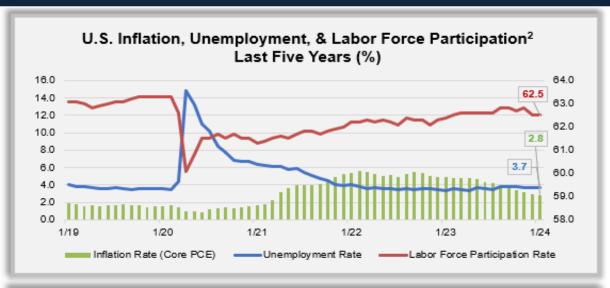
FactSet

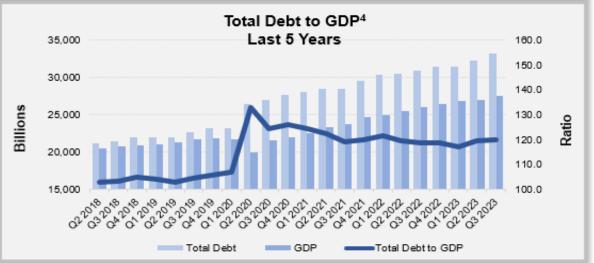
Key Macro Indicators*











^{*}The information on the "Key Macro Indicators" charts is the best available data as of 2/29/24 and may not reflect the current market and economic environment.

Sources:

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

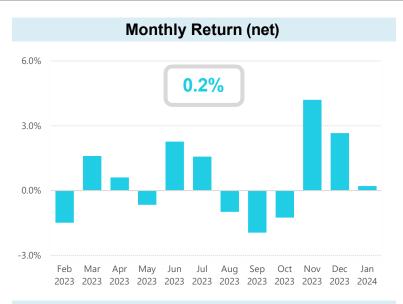
- In February, the U.S. Bureau of Labor Statistics released data indicating an unemployment rate of 3.7% and a labor force participation rate of 62.5%
 - This data suggests a healthy labor market and is a component of economic well-being and growth
- Both the broad S&P500 and technology-focused Nasdaq equity indices closed February at an all-time high level
 - Inflation reports and trends continue to reinforce the investor belief that the U.S. Federal Reserve would begin cutting interest rates later this year
 - Earnings releases from large and significant companies helped to bolster investor sentiment
- The U.S. 10-year Treasury yield ended February at 4.25% 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) returned 4.2% in February

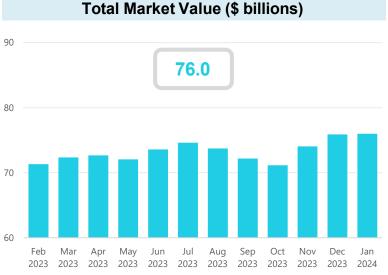
What to Watch

- Interest rates and central bank actions
- Economic data and trends
 - Inflation, supply chains, and labor developments
- Macro conditions and geopolitical risks
- Stewardship and ESG-related developments
 - International Financial Reporting Standards (IFRS) publishes guidance for implementation of International Sustainability Standards Board standards to guide comparable ESG reporting
 - Exxon pursues legal action against two proponents of shareholder proposals, bypassing Securities and Exchange Commission process to review admissibility of shareholder proposals

Total Fund Summary as of January 2024



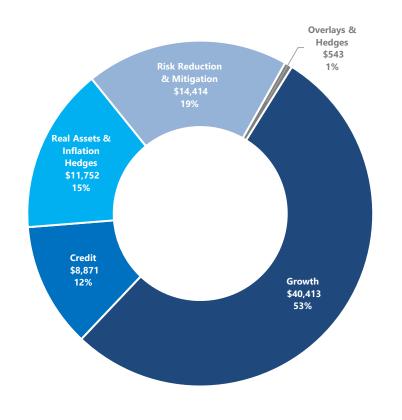












Historical Net Performance as of January 2024



							LACER	A Per	nsion	Fund								
	Market Value (\$ millions)	% of Total Fund	Final Target	1 Month	3 Month	FYTD	1 Year	3 Year	5 Year	10 Year	15.0%							
Total Fund	75,994	100.0%	100.0%	0.2%	7.2%	4.4%	6.7%	6.9%	8.4%	7.7%								
Total Fund Policy BM				-0.7%	5.6%	3.6%	6.8%	3.9%	6.8%	6.8%	10.0%							
7% Annual Hurdle Rate				0.6%	0.6%	4.0%	7.0%	7.0%	7.0%	7.0%			_					
Growth	40,413	53.2%	53.0%	0.2%	9.5%	5.5%	10.3%	10.0%			F 00/							
Growth Policy BM				-1.0%	5.5%	4.6%	11.6%	6.1%			5.0%							
Credit	8,871	11.7%	11.0%	1.1%	4.1%	8.4%	12.2%	5.5%										
Credit Policy BM				2.0%	6.2%	8.8%	12.7%	2.6%			0.0%							
Real Assets & Inflation Hedges	11,752	15.5%	17.0%	-0.6%	2.0%	-0.8%	-3.9%	7.0%										
Real Assets & Inflation Hedges Policy BM				-1.9%	2.8%	-1.3%	-6.1%	6.0%										
Risk Reduction & Mitigation	14,414	19.0%	19.0%	-0.1%	7.1%	2.3%	1.6%	-1.8%			-5.0%							
Risk Reduction & Mitigation Policy BM				-0.4%	7.9%	2.2%	2.3%	-2.1%				1 Month	3 Month	FYTD	1 Year	3 Year	5 Year	10 Year
Overlays & Hedges	543	0.7%		16.4%	18.5%	34.6%	84.1%							■ Total Fund	■ Total Fund	Policy BM		
							C	PEB T	Trust									
	Market Value	% of	Final								15.0%							
OPEB Master Trust	(\$ millions) 3,522	Master Trust	Target	1 Month	3 Month 11.1%	FYTD 5.5%	1 Year 7.9%	3 Year 4.0%	5 Year 6.7%	10 Year 7.0%								
OPEB Master Trust Policy BM	3,322			-0.2%	9.0%	4.8%	7.0%	3.4%	6.3%	6.0%								
6% Annual Hurdle Rate				0.5%	0.5%	3.5%	6.0%	6.0%	6.0%	6.0%	10.0%							
OPEB Growth	1.602	45.5%	45.0%	0.2%	15.3%	7.7%	13.8%	5.8%	10.1%								_	
OPEB Growth Policy BM	.,			-0.2%	12.3%	6.9%	13.2%	5.0%	9.5%		5.0%			<u> </u>				
OPEB Credit	641	18.2%	18.0%	0.0%	5.4%	6.0%	9.1%	2.4%	3.7%									
OPEB Credit Policy BM	VT1	10.270	10.070	1.0%	6.1%	7.8%	10.8%	2.5%	3.9%									
OPEB Real Assets & Inflation Hedges	690	19.6%	20.0%	-1.7%	8.6%	2.4%	-1.5%	5.0%	4.2%		0.0%							
OPEB RA & IH Policy BM	030	13.070	20.070	-1.7%	3.6%	0.0%	-5.0%	4.1%	3.6%									
OPEB Risk Reduction & Mitigation	588	16.7%	17.0%	-0.6%	9.6%	1.8%	1.0%	-2.4%	0.9%		-5.0%							
OPEB RR & M Policy BM	300			-0.8%	9.7%	1.5%	0.7%	-3.0%	0.5%			1 Month	3 Month	FYTD	1 Year	3 Year	5 Year	10 Year
OPEB HL PM Cash	0	0.0%											■ OPEB	Master Trust	■ OPEB Mast	ter Trust Policy	ВМ	

Active and Excess Return as of January 2024





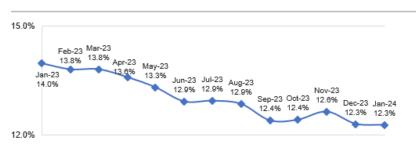
Total Fund Forecast Volatility as of January 2024*



TOTAL FUND VOLATILITY 12.3%

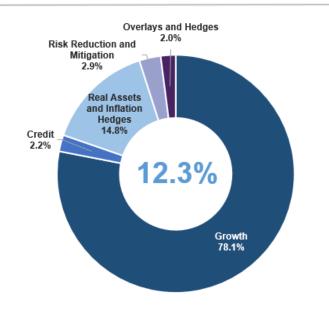


Forecasted Total Fund Volatility Trend

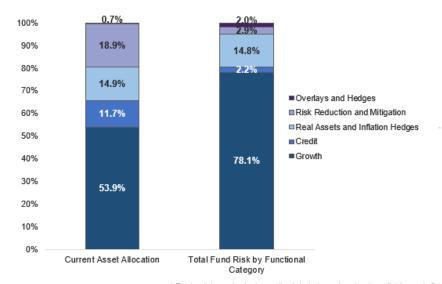


Capital-based versus Risk-based

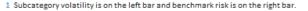


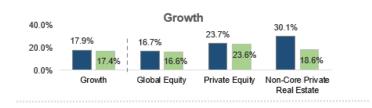


Functional Category Contributions to Total Fund Volatility



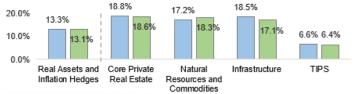
Subcategory Volatility



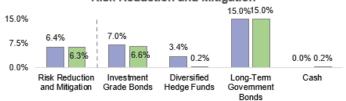




Real Assets and Inflation Hedges



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 January 2024*











Policy Target Weight for each Functional Category

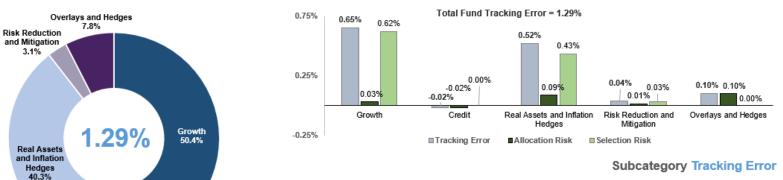
Maximum and Minimum Bands



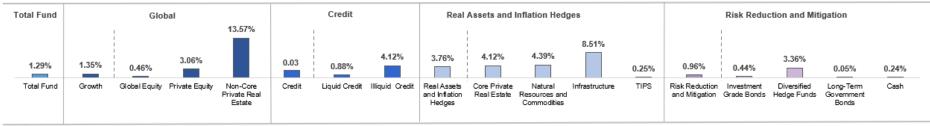
Functional Category Contributions to Tracking Error

Tracking Error Attribution









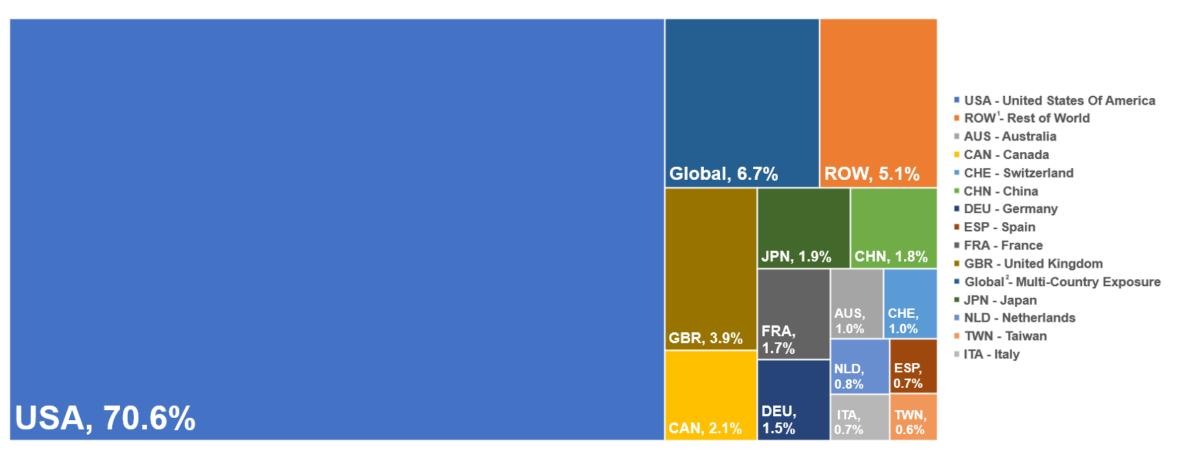
Credit

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 January 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.

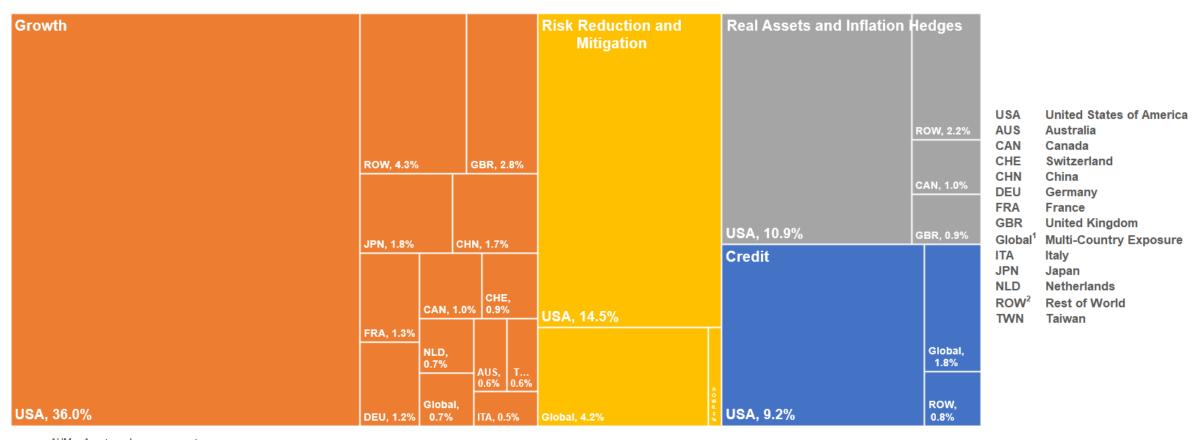
Real Estate and Private Equity data is based on best available cash flow adjusted market values. Exposure data is based on security level holdings and/or proxies.

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 AUM Functional Categories as of January 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.

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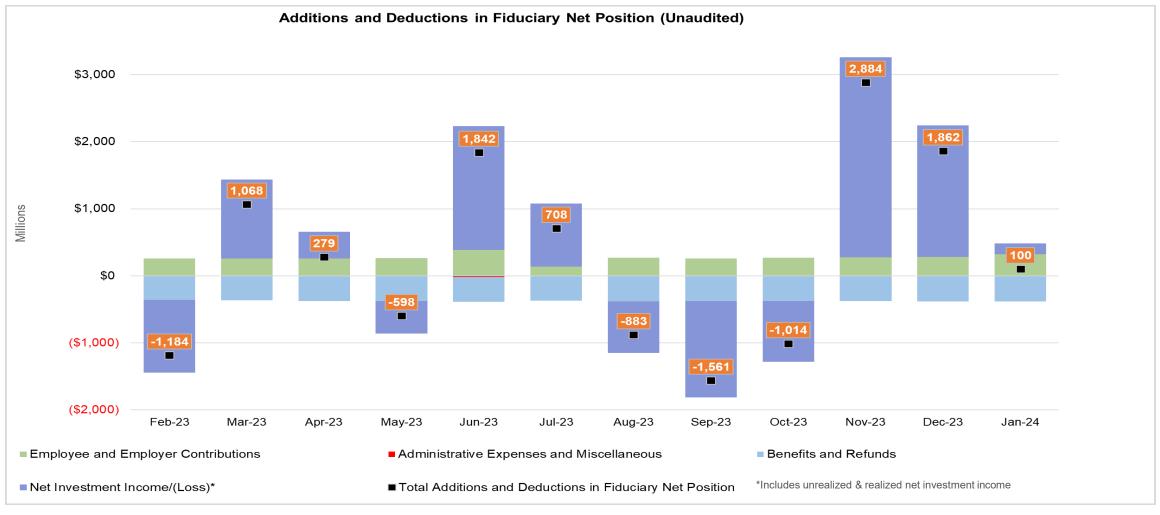
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Change In Fiduciary Net Position





Fiscal Year	Negative Months	Positive Months	Total Net Position Change \$
FY-22	7	5	(\$2.5 billion)
FY-23	5	7	\$3.3 billion
FY-24	3	4	\$2.1 billion



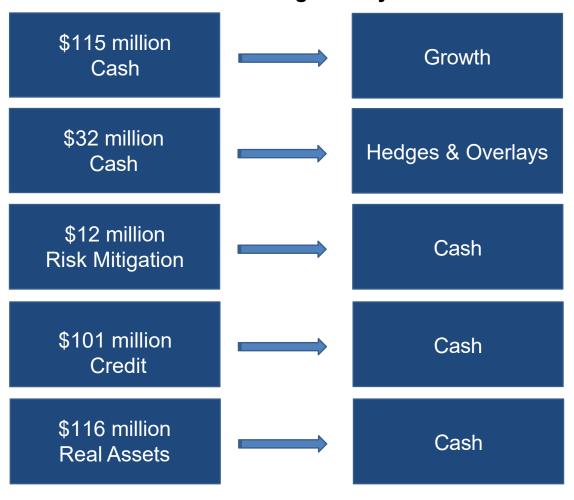
Portfolio Structural Updates

Portfolio Structural Updates



Portfolio Movements

Rebalancing Activity



Hedges & Overlays

Monthly Activity

Program	January Return	January Gain/(Loss)	Inception¹ Gain/(Loss)			
Currency Hedge ²	1.1%	(\$32.5 Million)	\$1.5 Billion			
Cash/Rebalance Overlay ³	0.1%	(\$2.0 Million)	\$440.1 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	TBD		
Risk, Analytics, and ESG Research and Analytics Services Search					

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

- Jonathan Grabel has been appointed to the <u>Investor Advisory Group (IAG)</u> for the Public Company Accounting Oversight Board (PCAOB). The IAG provides investor insights to inform the PCAOB's agenda.
- The 2024 Strategic Asset Allocation study is underway
- Adhering to the BOI-approved 2024 Work Plan and Strategic Initiatives

Operational Updates

- Annual contract compliance is in progress
- Budget review is in process

Manager/Consultant Updates

No material updates at this time

Team Searches and Vacancies

- Principal Investment Officer
- 4 Senior Investment Officer
 - 2 in progress
- 2 Financial Analyst-III
 - 2 in progress



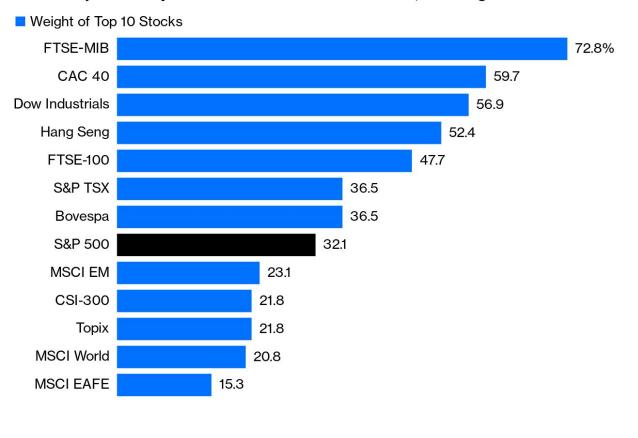
05 Commentary

Staff Chart of the Month Major Global Indexes Market Concentration



If You Think the S&P 500 Is Top-Heavy...

Other major country indexes are more concentrated; not so global indexes



Source: Bloomberg

Bloomberg Opinion

Quiet Period for Search Respondents



Hedge Funds, Credit, and Real Assets Consultant Search

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