

## **Chief Investment Officer Monthly Report**

Jonathan Grabel - Chief Investment Officer



Board of Investments Meeting May 8, 2024

### **Table of Contents**



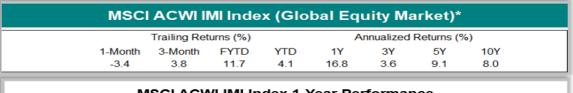
- 1. Market Environment
- 2. Portfolio Performance & Risk Updates
- 3. Portfolio Structural Updates
- 4. Key Initiatives & Operational Updates
- 5. Commentary
- 6. Appendix
  - Quiet Period for Search Respondents



## 1 Market Environment

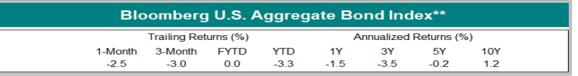
## Global Market Performance as of April 30, 2024

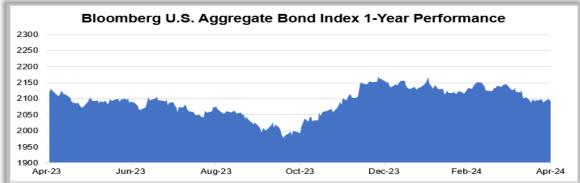






\*Global Equity Policy Benchmark - MSCI ACWIIMI Index





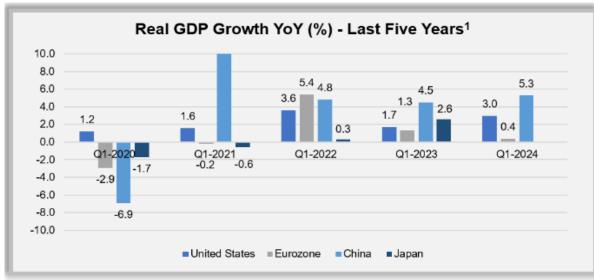
\*\*Investment Grade Bonds Policy Benchmark - Barclays U.S. Aggregate Bond Index

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		1.1	7.0	1.1	9.5	0.8	5.4	5.3
	Global All Cap	MSCI ACWI IMI Total Return	-3.4	3.8	11.7	4.1	16.8	3.6	9.1	8.0
	U.S. All Cap	Russell 3000 Total Return	-4.4	4.0	14.0	5.2	22.2	6.3	12.4	11.8
Equity	U.S. Large Cap	S&P 500 Total Return	-4.1	4.3	14.6	6.0	22.6	8.1	13.2	12.4
Equity	U.S. Small Cap	Russell 2000 Total Return	-7.0	1.7	5.8	-2.2	13.3	-3.2	5.8	7.2
	Non-U.S. All Cap	MSCI ACWI-ex U.S. IMI Total Return	-1.7	3.6	8.6	2.5	9.3	0.1	5.1	4.0
Emerging Markets		MSCI Emerging Markets Total Return		7.8	7.7	2.8	9.9	-5.7	1.9	3.0
Private Equity	Private Equity Buyout	Thomson Reuters PE Buyout Index	-7.6	5.9	21.2	9.6	19.2	-2.2	7.7	10.7
	U.S. Investment Grade Bonds	Bloomberg U.S. Aggregate Index	-2.5	-3.0	0.0	-3.3	-1.5	-3.5	-0.2	1.2
	U.S. Corporate High Yield Bonds	Bloomberg U.S. Corporate High Yield Total Return	-0.9	0.5	8.2	0.5	9.0	1.5	3.7	4.3
Fixed Income	U.S. Long Term Treasury Bonds	Bloomberg Long Term U.S. Treasury Total Return Index	-6.1	-7.1	-9.7	-9.2	-12.2	-10.6	-3.6	0.4
Fixed income	Developed Markets Leveraged Loans	Credit Suisse Leveraged Loan Total Return	0.7	2.4	9.7	3.2	12.1	5.9	5.1	4.6
	U.S. Treasury Inflation Protected Securities	Bloomberg U.S. Treasury TIPS Total Return Index	-1.7	-1.9	0.2	-1.8	-1.3	-1.6	2.1	1.9
	U.S. 3 Month Treasury Bill	FTSE 3 Month Treasury Bill	0.4	1.4	4.7	1.8	5.6	2.9	2.1	1.4
Commodity Prices Index		Bloomberg Commodity Index Total Return	2.7	4.5	4.8	4.9	2.9	7.2	7.0	-1.5
Commodity	Natural Resources	S&P Global LargeMidCap Commodity & Resources Index	1.9	10.1	7.4	3.2	2.6	8.8	9.7	4.8
Infrastracture	Global Infrastructure	Dow Jones Brookfield Global Infrastructure Composite Index	-2.9	0.2	1.2	-2.2	-1.9	2.2	3.1	3.7
Real Estate	U.S. REITs	MSCI U.S. REIT Index	-7.1	-3.4	-0.1	-7.4	1.7	-1.1	2.7	5.4

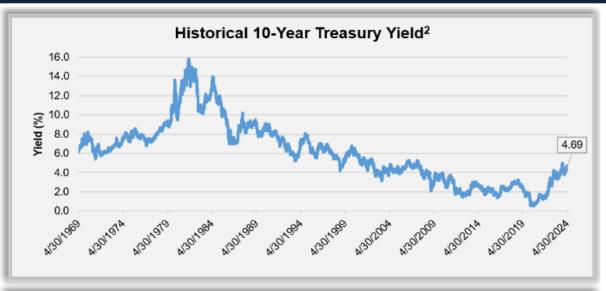
Source: Bloomberg

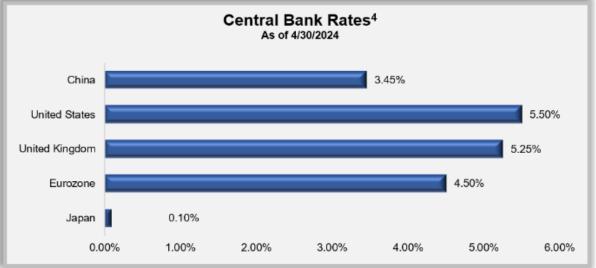
## **Key Macro Indicators\***











Sources:

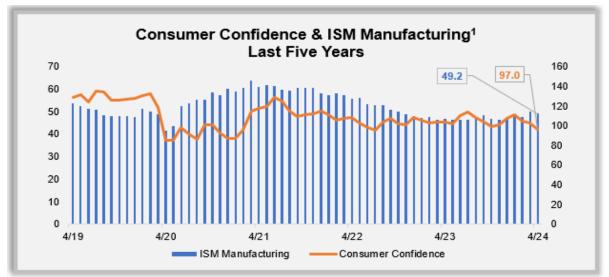
<sup>\*</sup>The information on the "Key Macro Indicators" charts is the best available data as of 4/30/24 and may not reflect the current market and economic environment

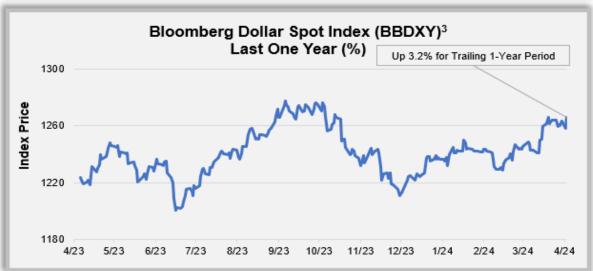
<sup>1.</sup> Bloomberg 3. FactSet 2. St. Louis Federal Reserve

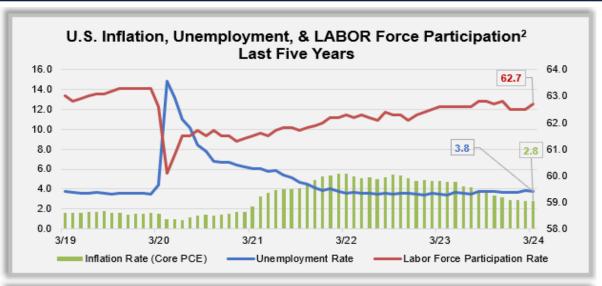
FactSet

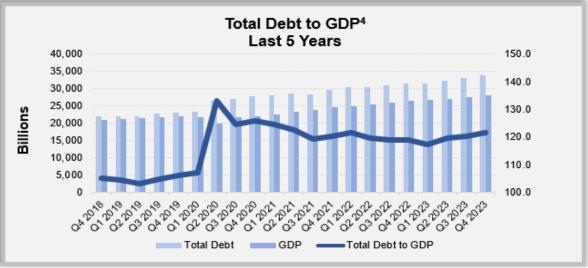
## **Key Macro Indicators\***











<sup>\*</sup>The information on the "Key Macro Indicators" charts is the best available data as of 4/30/24 and may not reflect the current market and economic environment.

Sources:

<sup>1.</sup> Bloomberg 3. Bloomberg

<sup>2.</sup> Bloomberg 4. Office of Management and Budget; St. Louis Federal Reserve



# 2 Portfolio Performance & Risk Updates

### **Market Themes and Notable Items to Watch**



#### **Recent Themes**

- The U.S. Federal Reserve held its benchmark overnight borrowing rate unchanged in a range between 5.25% and 5.5% during its recent meeting ending May 1
  - "Inflation has eased over the past year but remains elevated. In recent months, there has been a lack of further progress toward the Committee's 2 percent inflation objective," the U.S. Federal Reserve statement said
- The U.S. 10-year Treasury yield ended April at 4.69% 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 3.4% in April

#### What to Watch

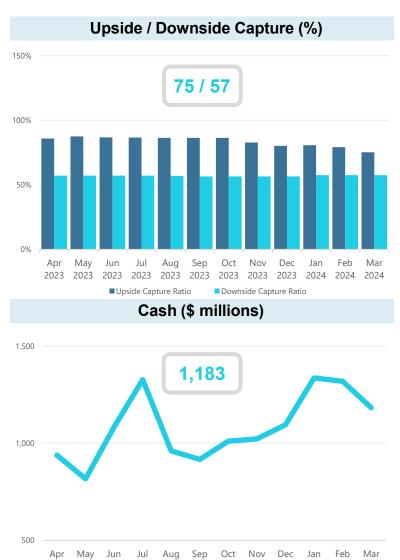
- Interest rates and central bank actions
- Economic data and trends
  - Inflation, supply chains, and labor developments
- Macro conditions and geopolitical risks
- Artificial intelligence including research developments, applications, and infrastructure investment
- Stewardship and ESG-related developments
  - Two-thirds (67%) of public company directors report increasing their board composition disclosures—including director skillsets and diversity—in response to investor focus on board quality, per National Association of Corporate Directors <u>research</u>

## Total Fund Summary as of March 2024

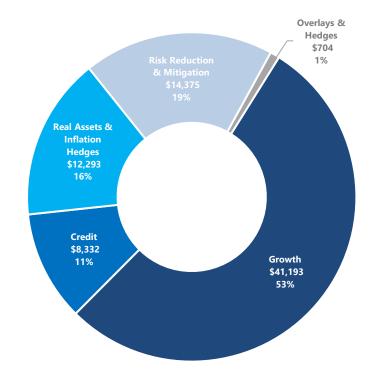








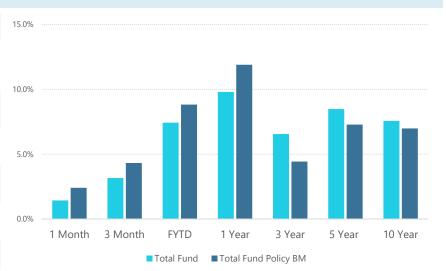




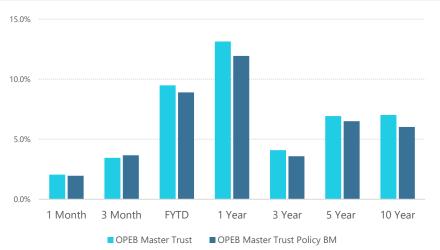
## **Historical Net Performance as of March 2024**



						LACERA Pension Fund				
	Market Value (\$ millions)	% of Total Fund	Final Target	1 Month	3 Month	FYTD	1 Year	3 Year	5 Year	10 Year
Total Fund Total Fund Policy BM	78,031	100.0%	100.0%	<b>1.4%</b> 2.4%	<b>3.2%</b> 4.3%	<b>7.4%</b> 8.8%	<b>9.8%</b> 11.9%	<b>6.6%</b> 4.4%	<b>8.5%</b> 7.3%	<b>7.6%</b> 7.0%
7% Annual Hurdle Rate				0.6%	1.7%	5.2%	7.0%	7.0%	7.0%	7.0%
<b>Growth</b> Growth Policy BM	41,193	52.8%	53.0%	<b>1.8%</b> 3.5%	<b>5.0%</b> 8.1%	<b>10.6%</b> 14.1%	<b>15.2%</b> 20.7%	<b>9.1%</b> 6.5%		
Credit Credit Policy BM	8,332	10.7%	11.0%	<b>1.2%</b> 0.8%	<b>3.4%</b> 3.3%	<b>10.9%</b> 10.2%	<b>13.6%</b> 12.1%	<b>5.6%</b> 3.2%		
Real Assets & Inflation Hedges Real Assets & Inflation Hedges Policy BM	12,293	15.8%	17.0%	<b>1.5%</b> 1.7%	<b>-0.2%</b> -1.2%	<b>-0.4%</b> -0.7%	<b>-1.6%</b> -2.7%	<b>5.9%</b> 5.2%		
Risk Reduction & Mitigation Risk Reduction & Mitigation Policy BM	14,375	18.4%	19.0%	<b>0.6%</b> 0.9%	<b>-0.2%</b> -0.4%	<b>2.2%</b> 2.2%	<b>1.0%</b> 1.9%	<b>-1.3%</b> -1.4%		
Overlays & Hedges	704	0.9%								



					OPEB Trust					
	Market Value (\$ millions)	% of Master Trust	Final Target	1 Month	3 Month	FYTD	1 Year	3 Year	5 Year	10 Year
OPEB Master Trust OPEB Master Trust Policy BM 6% Annual Hurdle Rate	3,790			2.1% 2.0% 0.5%	<b>3.4%</b> 3.7% 1.5%	<b>9.5%</b> 8.9% 4.5%	<b>13.1%</b> 12.0% 6.0%	<b>4.1%</b> 3.6% 6.0%	<b>6.9%</b> 6.5% 6.0%	<b>7.0%</b> 6.0% 6.0%
<b>OPEB Growth</b> OPEB Growth Policy BM	1,719	45.4%	45.0%	<b>3.2%</b> 3.4%	<b>7.7%</b> 8.2%	<b>15.7%</b> 15.9%	<b>22.6%</b> 22.8%	<b>6.5%</b> 6.0%	<b>10.8%</b> 10.4%	
OPEB Credit OPEB Credit Policy BM	674	17.8%	18.0%	<b>0.9%</b> 1.0%	<b>1.1%</b> 2.5%	<b>7.3%</b> 9.5%	<b>9.9%</b> 12.0%	<b>3.1%</b> 3.2%	<b>3.7%</b> 4.0%	
OPEB Real Assets & Inflation Hedges OPEB RA & IH Policy BM	763	20.1%	20.0%	<b>1.7%</b> 1.4%	<b>0.1%</b> -1.1%	<b>4.2%</b> 0.0%	<b>4.8%</b> -1.8%	<b>2.9%</b> 2.3%	<b>3.2%</b> 3.0%	
OPEB Risk Reduction & Mitigation OPEB RR & M Policy BM	632	16.7%	17.0%	<b>0.9%</b> 1.0%	<b>-1.2%</b> -1.3%	<b>1.1%</b> 1.0%	<b>0.3%</b> 0.1%	<b>-1.9%</b> -2.5%	<b>0.5%</b> 0.1%	
OPEB HL PM Cash	0	0.0%								



## **Active and Excess Return as of March 2024**





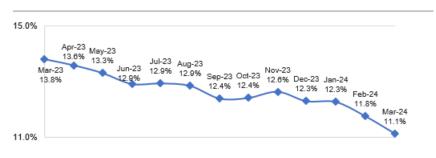
## Total Fund Forecast Volatility as of March 2024\*



## TOTAL FUND VOLATILITY

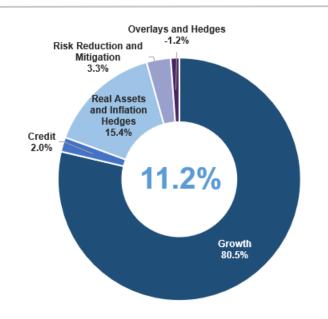


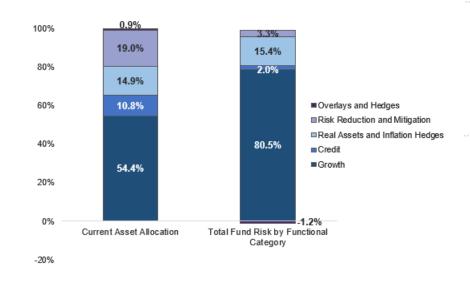
#### **Forecasted Total Fund Volatility Trend**



#### **Functional Category Contributions to Total Fund Volatility**

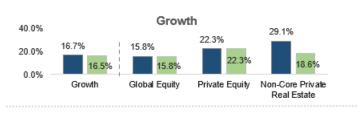






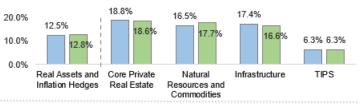
#### **Subcategory Volatility**



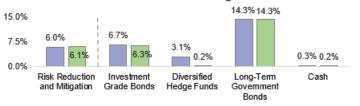




#### Real Assets and Inflation Hedges



#### **Risk Reduction and Mitigation**



Source: MSCI BarraOne

<sup>\*</sup> 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 March 2024\*



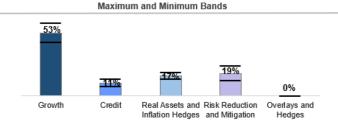








Policy Target Weight for each Functional Category

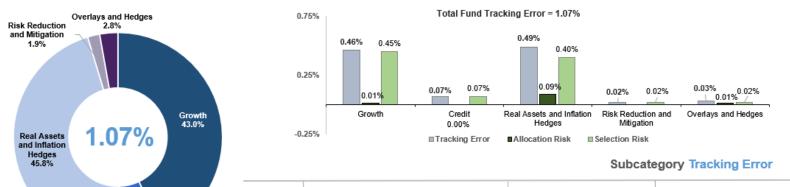


#### **Functional Category Contributions to Tracking Error**

Credit

Tracking Error Attribution





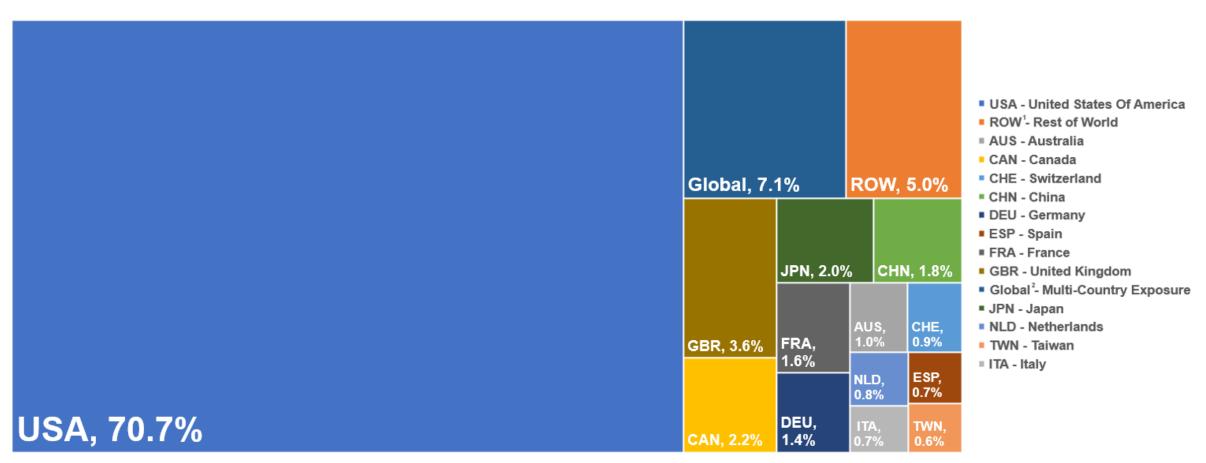




<sup>\*</sup> Real estate and private equity data is based on best available cash flow adjusted market values. Exposure data is based on security level holdings and/or proxies.

## Geographic Exposures by AUM Total Fund as of March 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

<sup>\*</sup> 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.

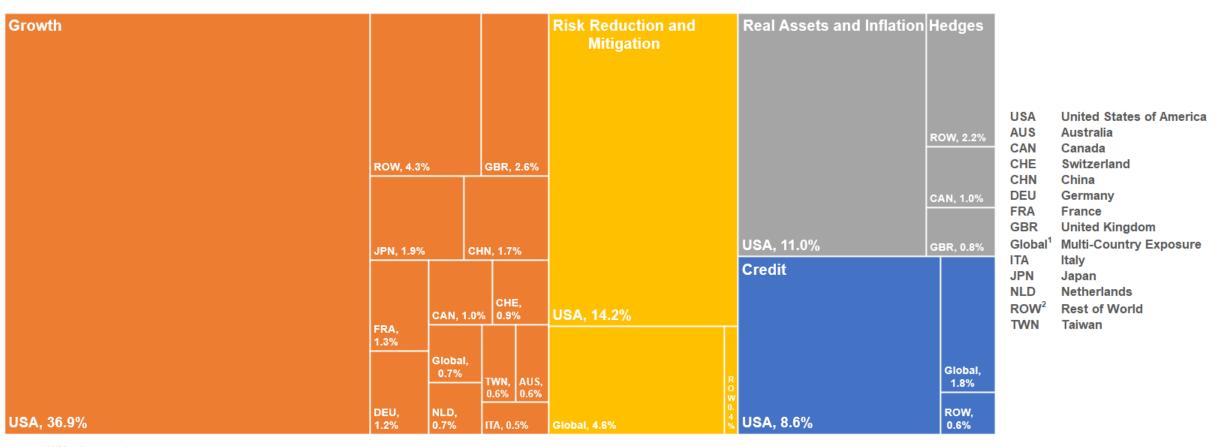
<sup>1 &</sup>quot;ROW - Rest of World" is sum of countries with weights below 0.5%.

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

## Geographic Exposures by AUM



Functional Categories as of March 2024\* Ex-Overlays and Hedges



AUM = Assets under management.

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

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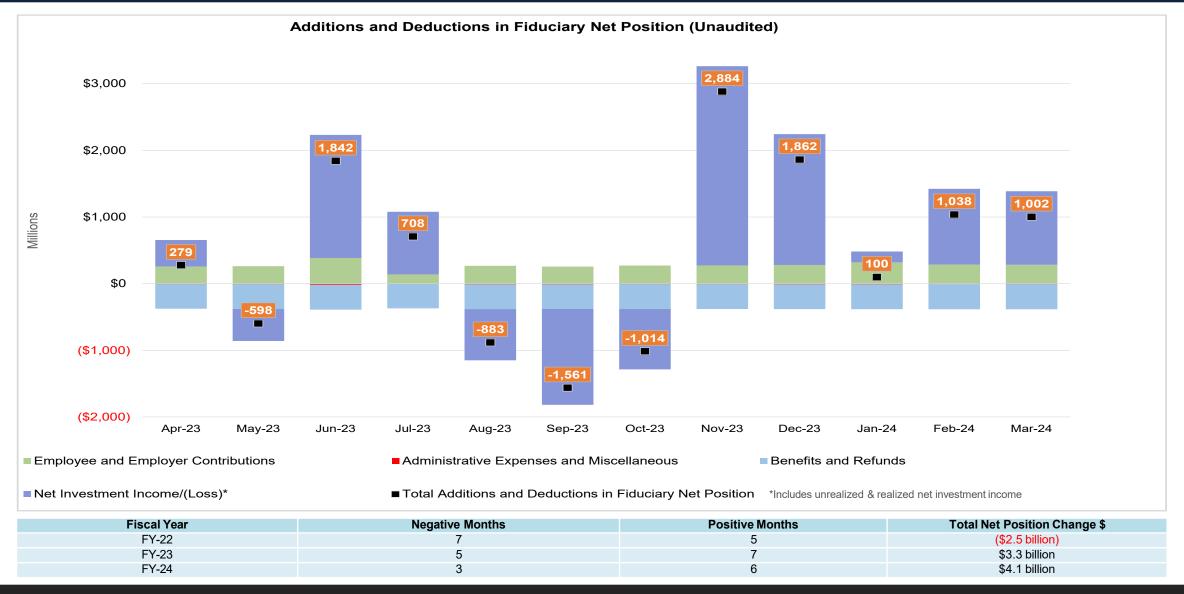
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## Change In Fiduciary Net Position







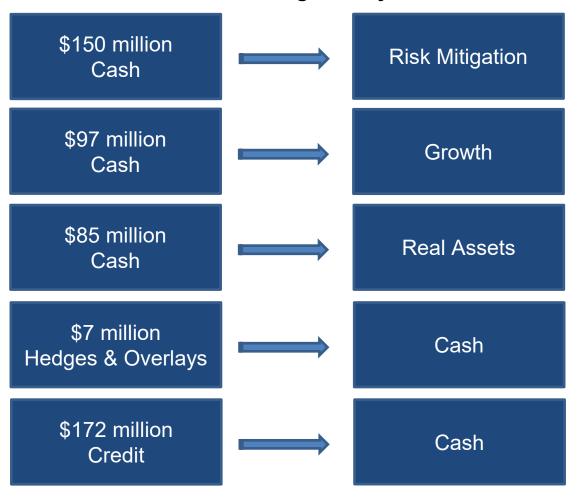
# Portfolio Structural Updates

## **Portfolio Structural Updates**



#### **Portfolio Movements**

**Rebalancing Activity** 



#### **Hedges & Overlays**

#### **Monthly Activity**

Program	March Return	March Gain/(Loss)	Inception <sup>1</sup> Gain/(Loss)
Currency Hedge <sup>2</sup>	0.4%	\$6.7 Million	\$1.5 Billion
Cash/Rebalance Overlay <sup>3</sup>	2.2%	\$33.9 Million	\$504.4 Million

<sup>&</sup>lt;sup>1</sup> 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	<b>√</b>	$\checkmark$	June BOI
Risk and Analytics System, and ESG Research Services Search	$\checkmark$		TBD
Real Assets Emerging Manager Program Separate Account Manager Search	$\checkmark$		TBD

<sup>&</sup>lt;sup>2</sup> 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.

<sup>&</sup>lt;sup>3</sup> 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**

Budget review is in process

### **Manager/Consultant Updates**

No material updates

#### **Team Searches and Vacancies**

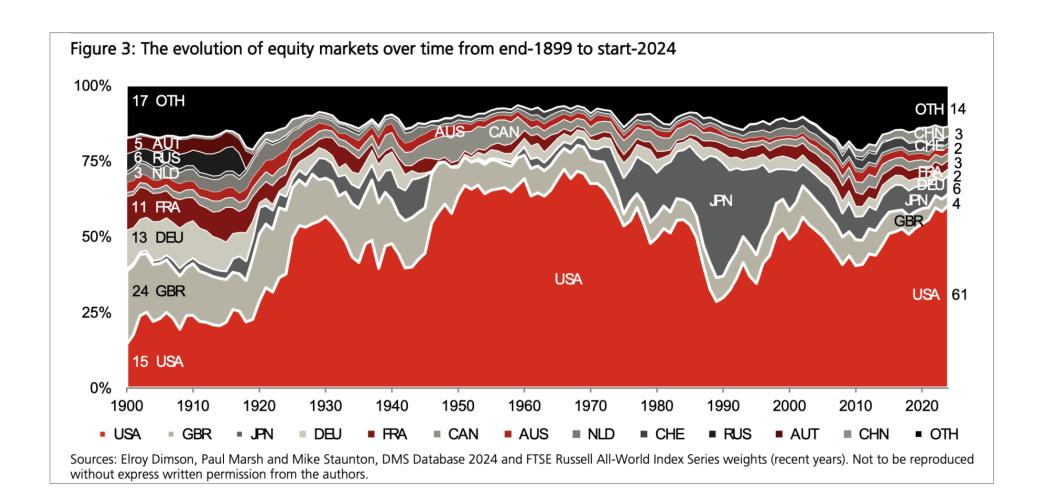
- Principal Investment Officer
- 4 Senior Investment Officer
  - 2 in progress
- 2 Financial Analyst-III
  - 2 in progress



# 05 Commentary

## **Staff Chart of the Month Evolution of Equity Markets Over Time**





## **Quiet Period for Search Respondents**



#### Hedge Funds, Credit, and Real Assets Consultant Search

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