

Chief Investment Officer Monthly Report

Jonathan Grabel - Chief Investment Officer



Board of Investments Meeting April 10, 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

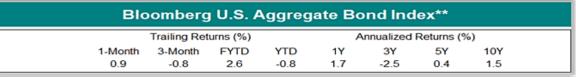


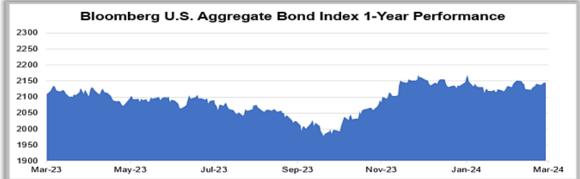
1 Market Environment

Global Market Performance as of March 31, 2024









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

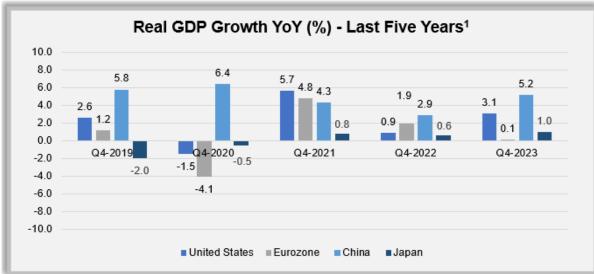
Market	Sub-Category	Index Name	1-Month	3-Month	FYTD	YTD	1 Y	3 Y	5 Y	10 Y
Reference Portfolio	60:40 Equity:Bond Portfolio	60% MSCI ACWI IMI/ 40% Bloomberg U.S. Aggregate Index	2.3	4.3	10.3	4.3	13.8	2.9	6.7	5.9
	Global All Cap	MSCI ACWI IMI Total Return	3.2	7.7	15.6	7.7	22.4	6.3	10.6	8.4
	U.S. All Cap	Russell 3000 Total Return	3.2	10.0	19.3	10.0	29.2	9.8	14.3	12.3
Equity	U.S. Large Cap	S&P 500 Total Return	3.2	10.6	19.4	10.6	29.8	11.5	15.0	12.9
Equity	U.S. Small Cap	Russell 2000 Total Return	3.6	5.2	13.8	5.2	19.6	-0.1	8.1	7.6
	Non-U.S. All Cap	MSCI ACWI-ex U.S. IMI Total Return	3.1	4.3	10.6	4.3	13.2	1.7	6.0	4.3
Emerging Markets MS		MSCI Emerging Markets Total Return	2.5	2.4	7.2	2.4	8.1	-5.0	2.2	2.9
Private Equity	Private Equity Buyout	Thomson Reuters PE Buyout Index	5.2	18.6	31.2	18.6	34.0	1.9	10.4	11.7
	U.S. Investment Grade Bonds	Bloomberg U.S. Aggregate Index	0.9	-0.8	2.6	-0.8	1.7	-2.5	0.4	1.5
	U.S. Corporate High Yield Bonds	Bloomberg U.S. Corporate High Yield Total Return	1.2	1.5	9.2	1.5	11.1	2.2	4.2	4.4
Fixed Income	U.S. Long Term Treasury Bonds	Bloomberg Long Term U.S. Treasury Total Return Index	1.2	-3.3	-3.9	-3.3	-6.1	-8.0	-2.8	1.2
Fixed income	Developed Markets Leveraged Loans	Credit Suisse Leveraged Loan Total Return	8.0	2.5	9.0	2.5	12.4	5.8	5.3	4.6
	U.S. Treasury Inflation Protected Securities	Bloomberg U.S. Treasury TIPS Total Return Index	8.0	-0.1	1.9	-0.1	0.5	-0.5	2.5	2.2
	U.S. 3 Month Treasury Bill	FTSE 3 Month Treasury Bill	0.5	1.4	4.2	1.4	5.5	2.7	2.1	1.4
Commodity	Commodity Prices Index	Bloomberg Commodity Index Total Return	3.3	2.2	2.1	2.2	-0.6	9.1	6.4	-1.6
Commodity	Natural Resources	S&P Global LargeMidCap Commodity & Resources Index	8.2	1.3	5.4	1.3	1.6	9.4	9.3	4.9
Infrastracture	Global Infrastructure	Dow Jones Brookfield Global Infrastructure Composite Index	3.2	0.6	4.1	0.6	3.7	4.8	3.8	4.3
Real Estate	U.S. REITs	MSCI U.S. REIT Index	2.0	-0.3	7.5	-0.3	10.3	4.0	4.2	6.6

Source: Bloombera

^{*}Global Equity Policy Benchmark - MSCI ACWIIMI Index

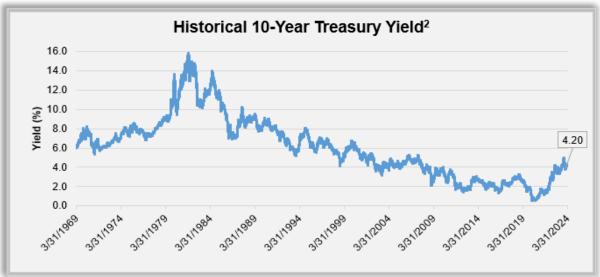
Key Macro Indicators*

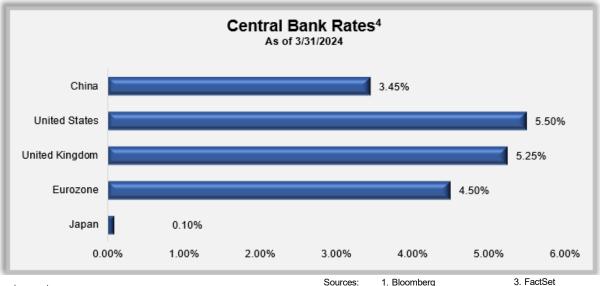










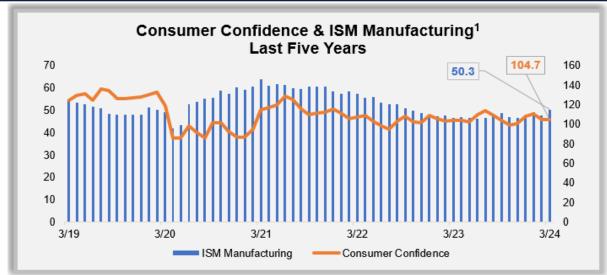


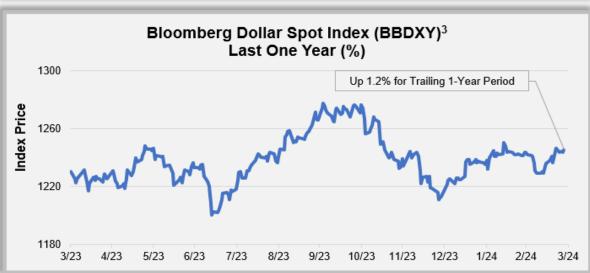
^{*}The information on the "Key Macro Indicators" charts is the best available data as of 3/31/24 and may not reflect the current market and economic environment

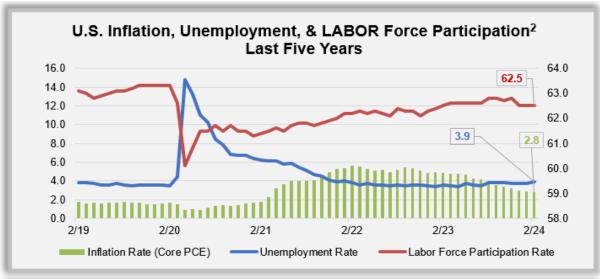
^{1.} Bloomberg 2. St. Louis Federal Reserve

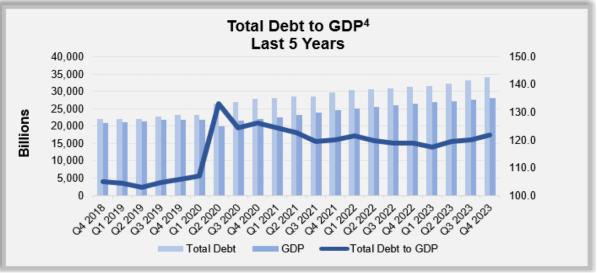
Key Macro Indicators*











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^{1.} Bloomberg 3. Bloomberg

^{2.} 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

- U.S. Federal Reserve held its benchmark overnight borrowing rate in a range between 5.25% and 5.5% during their mid-March meeting
 - Rate unchanged since July 2023 and the highest in more than 23 years
- Anonymous projections from U.S. Federal Reserve officials indicated that three quarter-percentage point rate cuts are expected this calendar year
 - Chair Jerome Powell struck a watchful tone by indicating that incoming data is being monitored and considered
- The U.S. 10-year Treasury yield ended March at 4.20% 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 3.2% in March

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
 - U.S. Securities and Exchange Commission approved new rules for climate-related risk reporting from public companies, including Scope 1 and 2 emissions. The new rule has been stayed pending judicial review. LACERA commented on the proposed SEC rules in 2022, available here.

Total Fund Summary as of February 2024



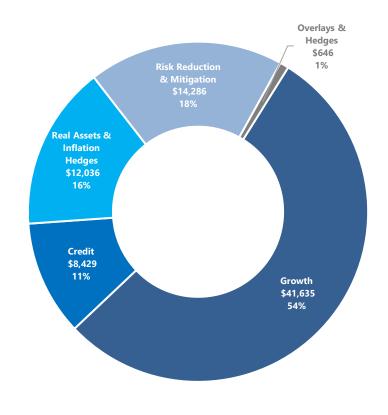








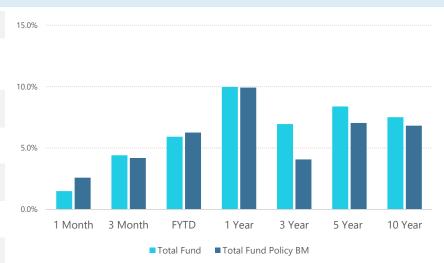
Asset Allocation (\$ millions)



Historical Net Performance as of February 2024



						LACERA Pension Fund				
	Market Value	% of	Final							
and Found	(\$ millions)	Total Fund	Target	1 Month	3 Month	FYTD	1 Year	3 Year	5 Year	10 Year
otal Fund	77,032	100.0%	100.0%	1.5%	4.4%	5.9%	10.0%	7.0%	8.4%	7.5%
Total Fund Policy BM 7% Annual Hurdle Rate				2.6% 0.6%	4.2% 1.1%	6.3% 4.6%	9.9% 7.0%	4.1% 7.0%	7.0% 7.0%	6.8% 7.0%
Growth	41,635	54.0%	53.0%	2.9%	6.4%	8.6%	15.2%	10.1%		
Growth Policy BM				5.4%	6.3%	10.2%	16.8%	6.4%		
Credit Credit Policy BM	8,429	10.9%	11.0%	1.2% 0.4%	4.0% 5.7%	9.7% 9.2%	13.3% 11.1%	5.6% 2.8%		
Credit Policy BIVI				0.476	5.7 /0	9.270	11.170	2.0 /0		
Real Assets & Inflation Hedges	12,036	15.6%	17.0%	-1.1%	-0.8%	-1.9%	-1.8%	5.9%		
Real Assets & Inflation Hedges Policy BM				-0.9%	-1.6%	-2.3%	-4.0%	5.1%		
Risk Reduction & Mitigation	14,286	18.5%	19.0%	-0.7%	2.6%	1.6%	2.6%	-1.7%		
Risk Reduction & Mitigation Policy BM				-0.9%	2.5%	1.3%	3.4%	-2.0%		
Overlays & Hedges	646	0.8%		15.1%	30.5%	54.9%	87.8%			



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	3,588			1.7%	6.0%	7.3%	12.7%	3.9%	6.7%	6.8%
OPEB Master Trust Policy BM				1.9%	5.3%	6.8%	11.2%	3.4%	6.3%	5.8%
6% Annual Hurdle Rate				0.5%	1.0%	4.0%	6.0%	6.0%	6.0%	6.0%
OPEB Growth	1,638	45.7%	45.0%	4.1%	9.9%	12.2%	21.9%	6.3%	10.3%	
OPEB Growth Policy BM				4.8%	9.0%	12.0%	21.3%	5.8%	9.9%	
OPEB Credit	642	17.9%	18.0%	0.3%	3.0%	6.4%	10.3%	2.6%	3.5%	
OPEB Credit Policy BM				0.5%	4.5%	8.4%	11.5%	2.7%	3.8%	
OPEB Real Assets & Inflation Hedges	723	20.2%	20.0%	0.2%	3.3%	2.6%	2.7%	3.8%	4.1%	
OPEB RA & IH Policy BM				-0.3%	0.1%	-0.4%	-3.2%	2.8%	3.4%	
OPEB Risk Reduction & Mitigation	584	16.3%	17.0%	-1.6%	2.4%	0.2%	2.0%	-2.5%	0.6%	
OPEB RR & M Policy BM				-1.5%	2.5%	0.0%	1.8%	-3.1%	0.2%	
OPEB HL PM Cash	0	0.0%								



Active and Excess Return as of February 2024





Total Fund Forecast Volatility as of February 2024*



TOTAL FUND VOLATILITY 11.8%

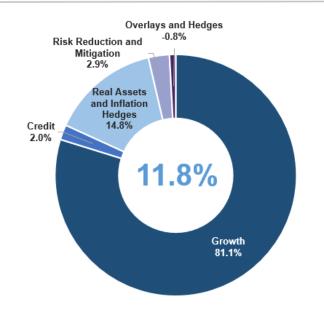


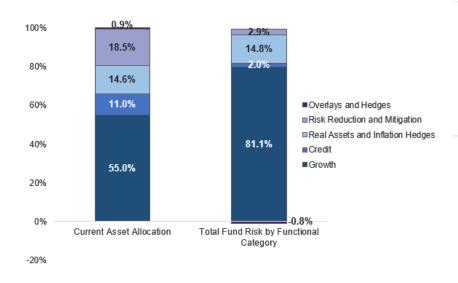




Functional Category Contributions to Total Fund Volatility

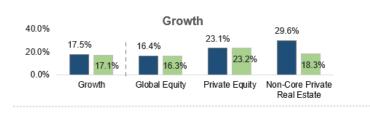
Total Fund Asset Allocation Capital-based versus Risk-based





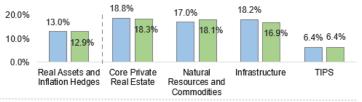
Subcategory Volatility

1 Subcategory volatility is on the left bar and benchmark risk is on the right bar.





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 February 2024*





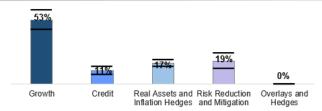






Policy Target Weight for each Functional Category

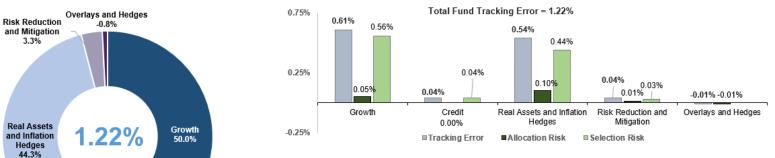
Maximum and Minimum Bands

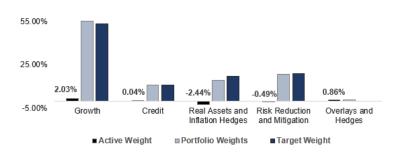


Functional Category Contributions to Tracking Error

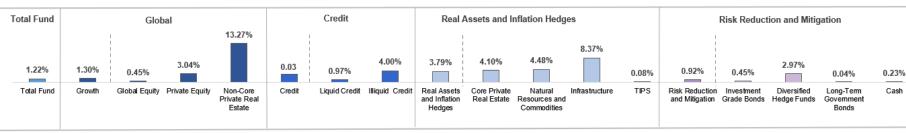
Tracking Error Attribution











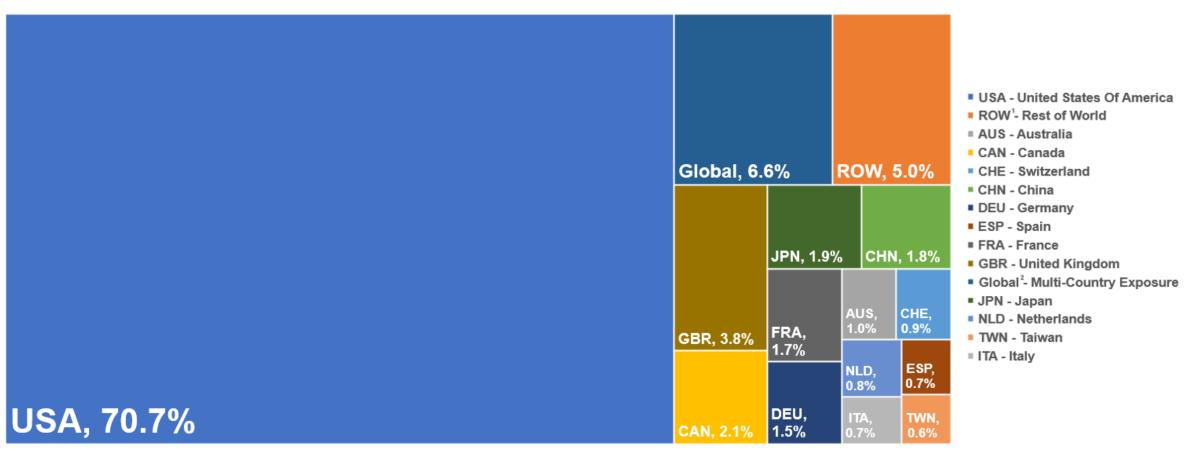
Source: MSCI BarraOne

Credit

^{*} 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 AUMTotal Fund as of February 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.

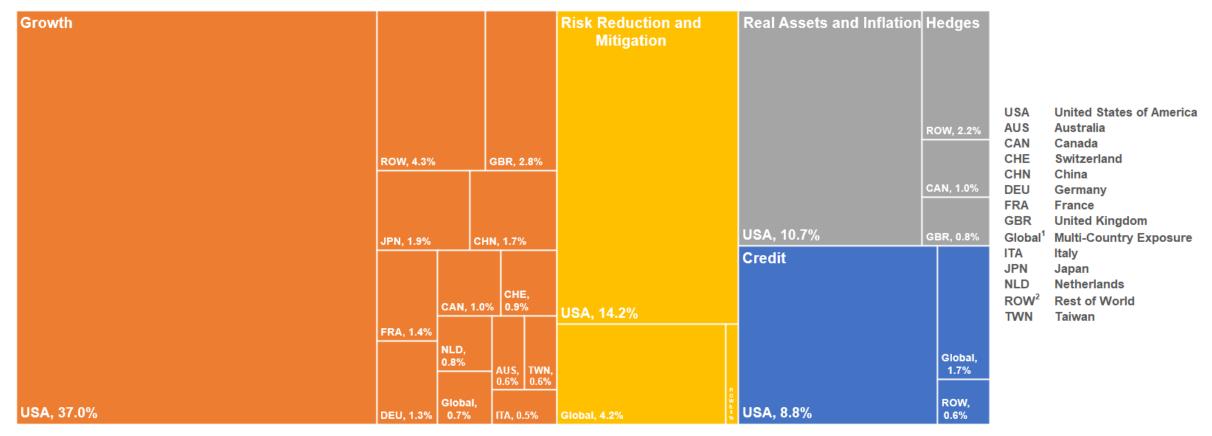
Real Estate and Private Equity data is based on best available cash flow adjusted market values. Exposure data is based on security level holdings and/or proxies.

^{1 &}quot;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 February 2024* Ex-Overlays and Hedges





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

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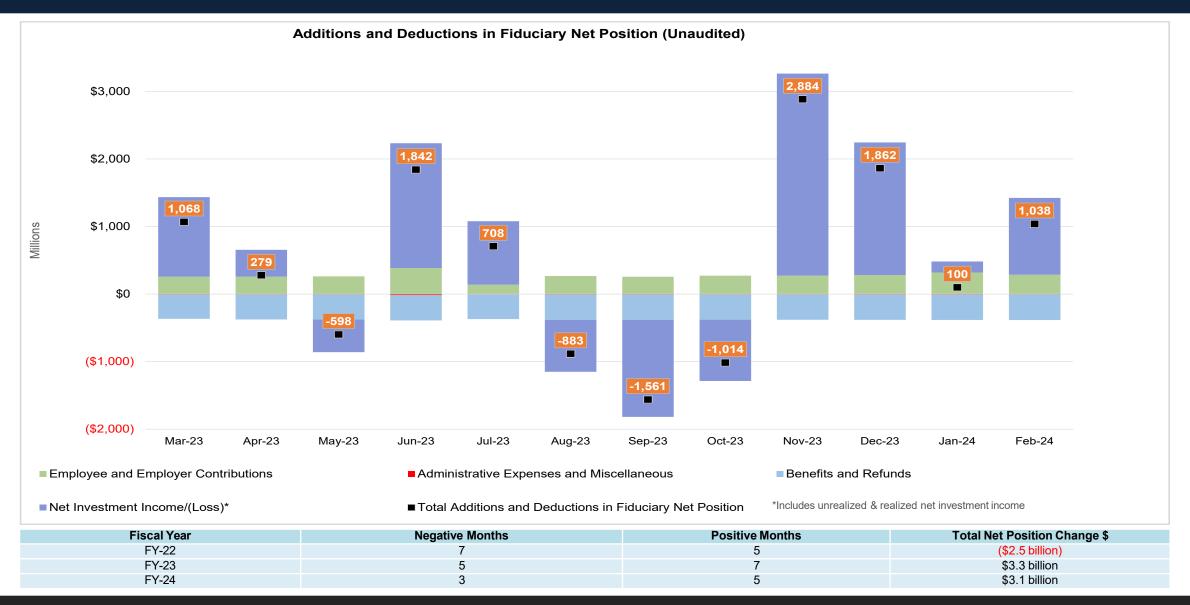
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Change In Fiduciary Net Position







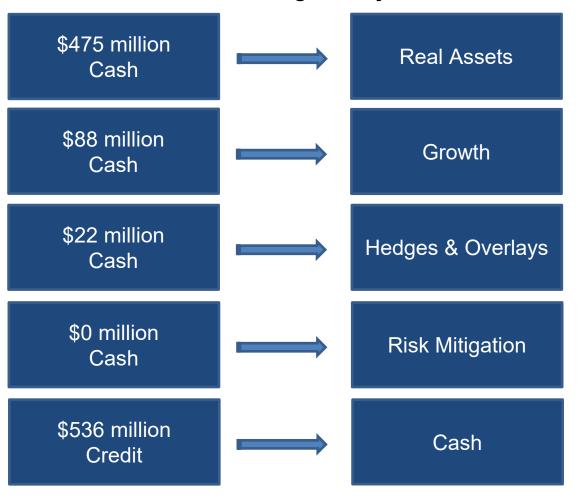
Portfolio Structural Updates

Portfolio Structural Updates



Portfolio Movements

Rebalancing Activity



Hedges & Overlays

Monthly Activity

Program	February Return	February Gain/(Loss)	Inception¹ Gain/(Loss)
Currency Hedge ²	0.7%	(\$21.6 Million)	\$1.5 Billion
Cash/Rebalance Overlay ³	1.3%	\$30.4 Million	\$470.5 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 and Analytics System, and ESG Research Services Search	\checkmark		TBD
Real Assets Emerging Manager Program Separate Account Manager Search	\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

- The 2024 Strategic Asset Allocation study is underway
- Adhering to the BOI-approved 2024 Work Plan and Strategic Initiatives

Operational Updates

- Annual contract compliance has been completed
- Budget review is in process

Team Searches and Vacancies

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

Manager/Consultant Updates

State Street Global Advisors – Global Equities and Cash – Informed LACERA that Jackie Collier, Chief Compliance Officer ("CCO"), State Street Global Advisors, will be resigning, effective May 3, 2024. Tim Corbett, Chief Risk Officer, will assume interim CCO responsibilities until a replacement is found.

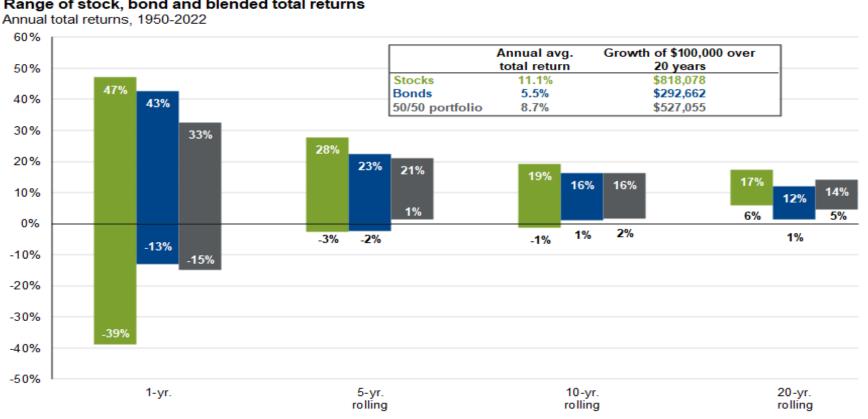


05 Commentary

Staff Chart of the Month Time, Diversification and the Volatility of Returns



Range of stock, bond and blended total returns



Source: Bloomberg, FactSet, Federal Reserve, Robert Shiller, Strategas/Ibbotson, J.P. Morgan Asset Management. Returns shown are based on calendar year returns from 1950 to 2021. Stocks represent the S&P 500 Shiller Composite and Bonds represent Strategas/Ibbotson for periods from 1950 to 2010 and Bloomberg Aggregate thereafter. Growth of \$100,000 is based on annual average total returns from 1950 to 2022. Guide to the Markets - U.S. Data are as of September 30, 2023.



Quiet Period for Search Respondents



Hedge Funds, Credit, and Real Assets Consultant Search

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