

Chief Investment Officer Monthly Report

Jonathan Grabel - Chief Investment Officer



Board of Investments Meeting September 11, 2024

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1 Market Environment

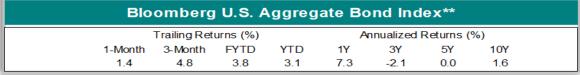
Global Market Performance as of August 31, 2024

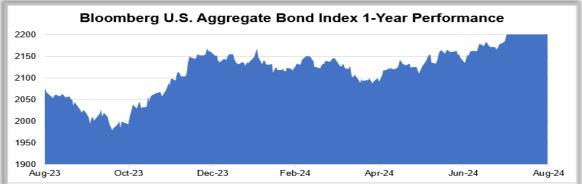






*Global Equity Policy Benchmark - MSCI ACWIIMI Index





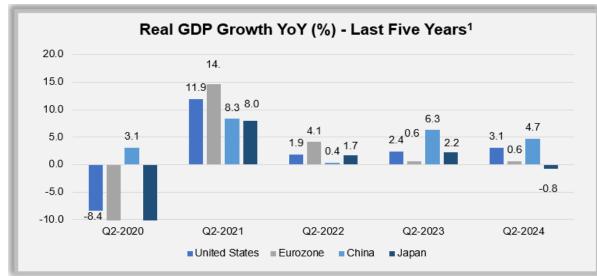
**Investment Grade Bonds Policy Benchmark - Barclays U.S. Aggregate Bond Index

Market	Sub-Category	Index Name	1-Month	3-Month	FYTD	YTD	1 Y	3 Y	5 Y	10
eference Portfolio	60:40 Equity:Bond Portfolio	60% MSCI ACWI IMI/ 40% Bloomberg U.S. Aggregate Index		5.7	4.2	10.2	16.3	2.4	7.2	6.
Equity	Global All Cap	MSCI ACWI IMI Total Return	2.3	6.4	4.4	15.2	22.6	5.2	11.8	8
	U.S. All Cap	Russell 3000 Total Retum	2.2	7.3	4.1	18.2	26.1	7.9	15.2	1:
	U.S. Large Cap	S&P 500 Total Return	2.4	7.4	3.7	19.5	27.1	9.4	15.9	13
	U.S. Small Cap	Russell 2000 Total Return	-1.5	7.5	8.5	10.4	18.4	0.6	9.7	8
	Non-U.S. All Cap	MSCI ACWI-ex U.S. IMI Total Return	2.7	5.1	5.3	10.9	17.7	1.7	7.6	4
Emerging Markets		MSCI Emerging Markets Total Return	1.6	5.9	1.9	9.5	15.0	-3.1	4.8	:
Private Equity	Private Equity Buyout	Thomson Reuters PE Buyout Index	3.0	10.0	4.2	27.9	38.0	0.4	11.3	1
	U.S. Investment Grade Bonds	Bloomberg U.S. Aggregate Index	1.4	4.8	3.8	3.1	7.3	-2.1	0.0	
	U.S. Corporate High Yield Bonds	Bloomberg U.S. Corporate High Yield Total Return	1.6	4.6	3.6	6.3	12.5	2.5	4.5	
Fixed Income	U.S. Long Term Treasury Bonds	Bloomberg Long Term U.S. Treasury Total Return Index	2.0	7.4	5.7	0.4	4.9	-9.8	-5.1	
rixed income	Developed Markets Leveraged Loans	Credit Suisse Leveraged Loan Total Return	0.6	1.6	1.3	5.8	9.8	6.3	5.5	
	U.S. Treasury Inflation Protected Securities	Bloomberg U.S. Treasury TIPS Total Return Index	0.8	3.4	2.6	3.3	6.2	-1.3	2.0	
	U.S. 3 Month Treasury Bill	FTSE 3 Month Treasury Bill	0.5	1.4	0.9	3.7	5.6	3.5	2.3	
Commodity	Commodity Prices Index	Bloomberg Commodity Index Total Return	0.0	-5.5	-4.0	0.9	-4.4	3.7	7.0	-
Natural Resources		S&P Global LargeMidCap Commodity & Resources Index	0.2	-2.3	1.6	3.3	4.9	8.9	11.1	
Infrastracture	Global Infrastructure	Dow Jones Brookfield Global Infrastructure Composite Index	4.3	9.0	10.8	11.1	18.6	5.2	5.0	;
Real Estate	U.S. REITs	MSCI U.S. REIT Index	6.4	16.4	13.1	12.8	22.0	2.1	5.5	

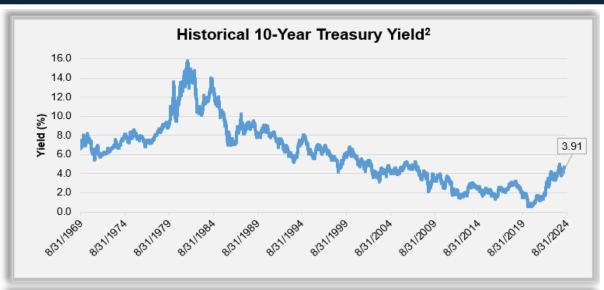
Source: Bloomberg

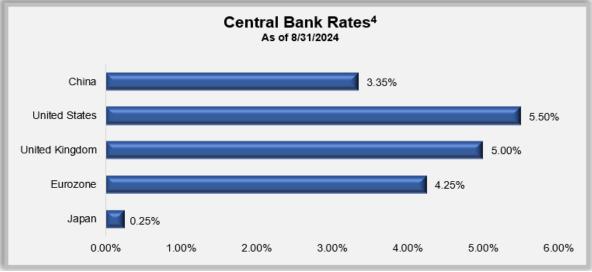
Key Macro Indicators*











Sources:

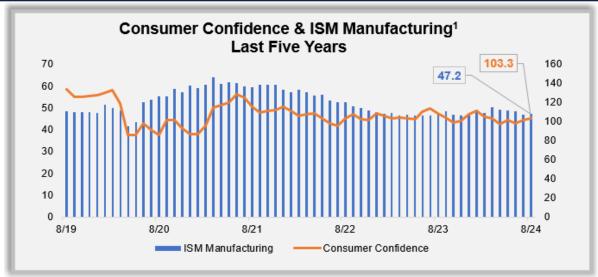
^{*}The information on the "Key Macro Indicators" charts is the best available data as of 8/31/24 and may not reflect the current market and economic environment

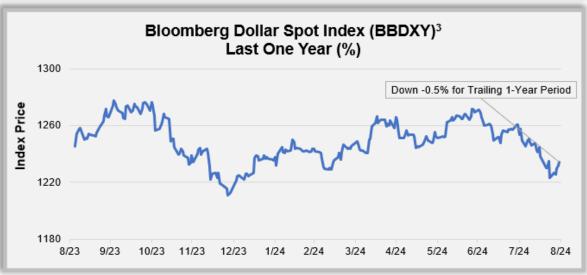
^{1.} Bloomberg 2. St. Louis Federal Reserve

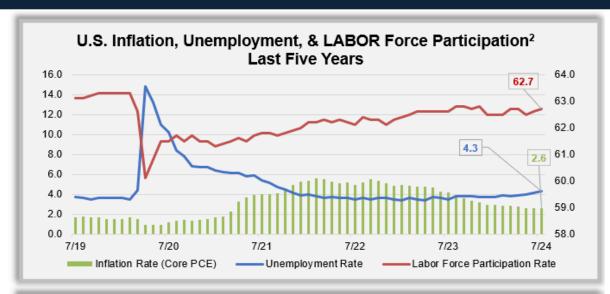
^{3.} FactSet

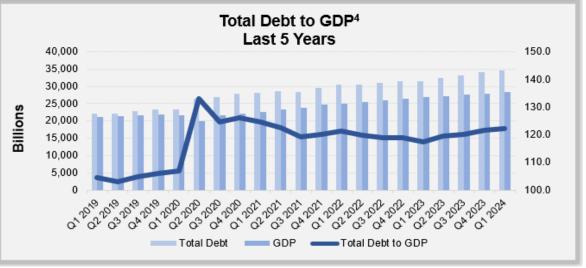
Key Macro Indicators*











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Sources:

^{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

- The Federal Reserve met in July and kept its key interest rate unchanged at 5.25% to 5.50% for the 12th consecutive month
- In August, Fed Chair Jerome Powell gave a speech in Jackson Hole indicating that while the economy continues to grow at a solid pace, the inflation and labor market data show an evolving situation.
 - "The time has come for policy to adjust. The direction of travel is clear, and the timing and pace of rate cuts will depend on incoming data, the evolving outlook, and the balance of risks," Chair Powell said
- The U.S. 10-year Treasury yield ended August at 3.91% 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) increased 2.3% in August

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
 - Securities and Exchange Commission declined to appeal a federal appeals court decision vacating the SEC's private fund advisor rule requiring increased fee disclosures and prohibiting certain fee arrangements

Total Fund Summary as of July 2024

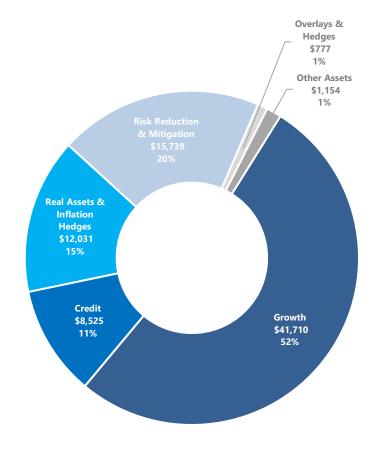








Asset Allocation (\$ millions)²



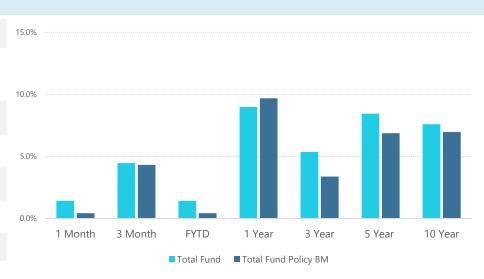
¹ Reference portfolio = 60% MSCI ACWI IMI / 40% Bloomberg US Aggregate Bond Index

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

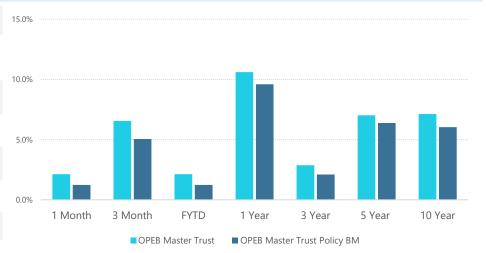
Historical Net Performance as of July 2024



						L	LACERA Pension Fund			
	Market Value (\$ mm)	% of Total Fund	Interim Target	1 Month	3 Month	FYTD	1 Year	3 Year	5 Year	10 Year
otal Fund	79,936	100.0%	100.0%	1.4%	4.5%	1.4%	9.0%	5.4%	8.4%	7.6%
Total Fund Policy BM				0.4%	4.3%	0.4%	9.7%	3.4%	6.9%	7.0%
7% Annual Hurdle Rate				0.6%	1.7%	0.6%	7.0%	7.0%	7.0%	7.0%
Growth	41,710	52.2%	50.5%	1.4%	5.8%	1.4%	11.6%	7.0%	12.4%	
Growth Policy BM				0.2%	6.2%	0.2%	15.6%	5.2%	10.8%	
Credit	8,525	10.7%	12.0%	1.8%	4.3%	1.8%	15.8%	6.4%	6.7%	
Credit Policy BM				0.6%	1.8%	0.6%	10.7%	3.3%	4.2%	
Real Assets & Inflation Hedges	12,031	15.1%	16.0%	1.3%	1.4%	1.3%	-0.6%	4.3%	4.8%	
Real Assets & Inflation Hedges Policy BM	·			-0.7%	-0.3%	-0.7%	-3.6%	2.5%	4.5%	
Risk Reduction & Mitigation	15,739	19.7%	21.5%	1.8%	4.2%	1.8%	5.0%	-1.3%	1.3%	
Risk Reduction & Mitigation Policy BM	,			1.9%	4.6%	1.9%	4.8%	-1.5%	0.7%	
Overlays & Hedges	777	1.0%								
Other Assets	1,154	1.4%								



							OPEB Trust			
	Market Value (\$ mm)	% of Master Trust	Interim 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	4,061			2.1% 1.2% 0.5%	6.6% 5.1% 1.5%	2.1% 1.2% 0.5%	10.6% 9.6% 6.0%	2.9% 2.1% 6.0%	7.0% 6.4% 6.0%	7.1% 6.0% 6.0%
OPEB Growth OPEB Growth Policy BM	1,784	43.9%	45.0%	2.1% 1.5%	8.3% 7.7%	2.1% 1.5%	16.8% 17.0%	5.5% 5.0%	11.0% 10.6%	
OPEB Credit OPEB Credit Policy BM	687	16.9%	17.0%	1.4% 0.6%	2.8% 2.0%	1.4% 0.6%	8.1% 10.0%	3.1% 3.2%	3.4% 3.7%	
OPEB Real Assets & Inflation Hedges OPEB RA & IH Policy BM	663	16.3%	16.5%	2.4% -0.2%	6.7% 0.8%	2.4% -0.2%	4.6% -2.2%	-0.8% -2.2%	3.4% 2.5%	
OPEB Risk Reduction & Mitigation OPEB RR & M Policy BM	925	22.8%	21.5%	2.5% 2.5%	5.7% 5.5%	2.5% 2.5%	4.0% 3.8%	- 1.9% -2.5%	0.4% 0.0%	
OPEB HL PM Cash	0	0.0%								



Active and Excess Return as of July 2024





Total Fund Forecast Volatility as of July 2024*



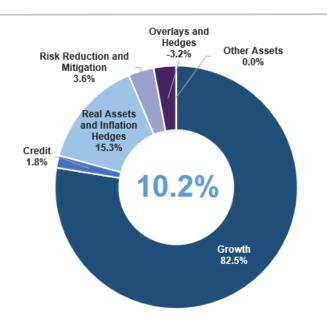




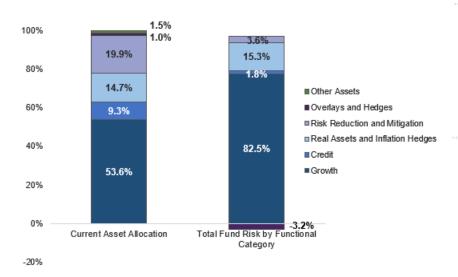




Functional Category Contributions to Total Fund Volatility

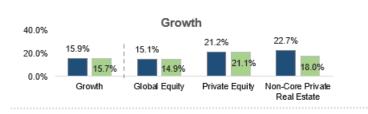






Subcategory Volatility



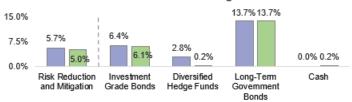




Real Assets and Inflation Hedges



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 July 2024*



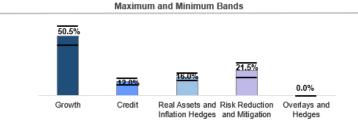








Policy Target Weight for each Functional Category

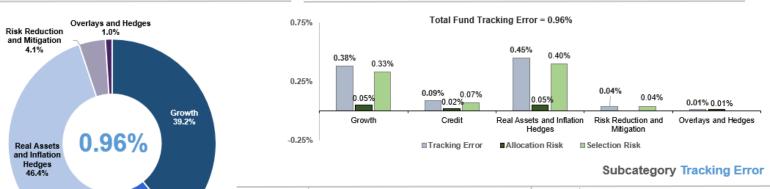


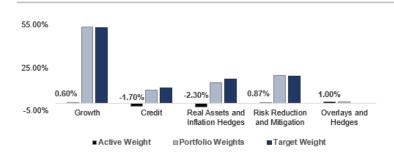
Functional Category Contributions to Tracking Error

Credit 9.3%

Tracking Error Attribution







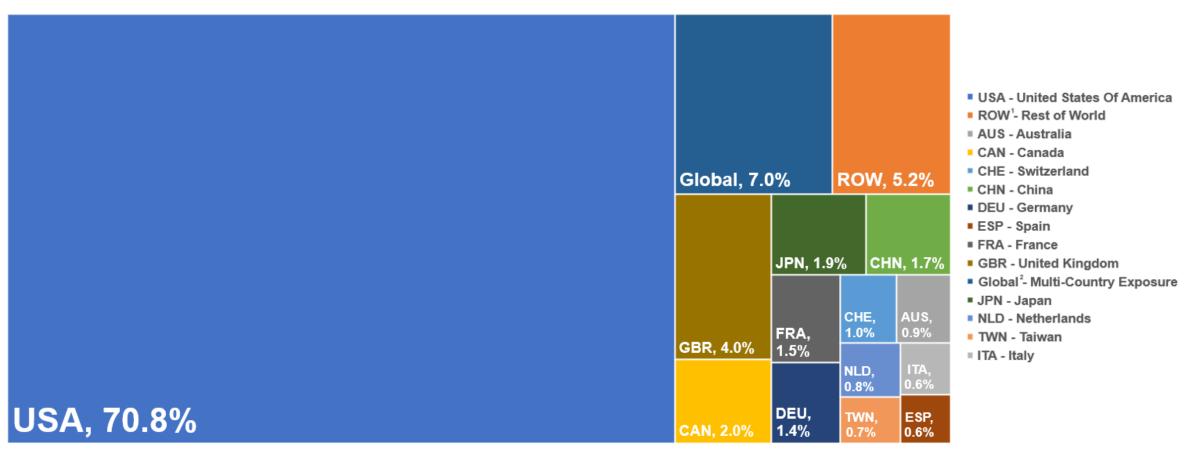


Source: MSCI BarraOne

^{*} 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 July 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.

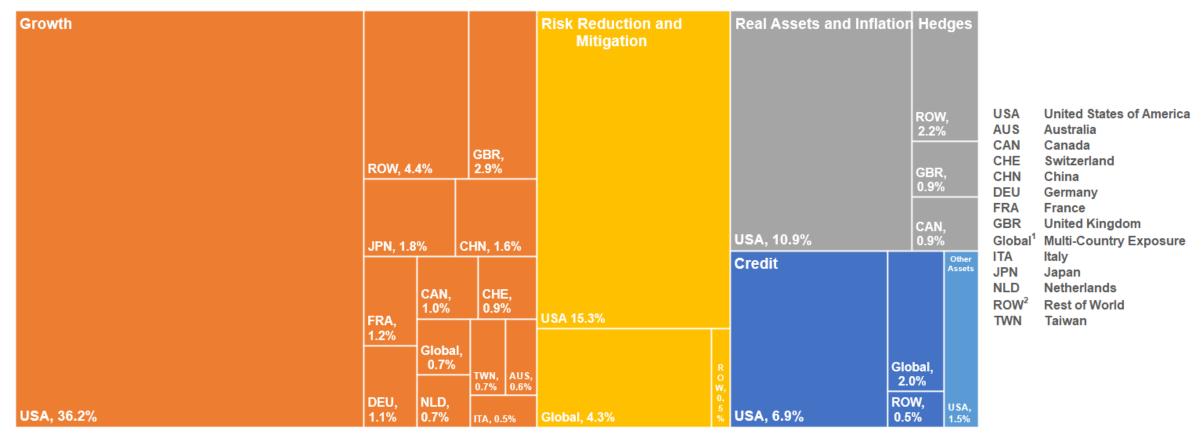
Real Estate and Private Equity data is based on best available cash flow adjusted market values. Exposure data is based on security level holdings and/or proxies.

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 July 2024* Ex-Overlays and Hedges





AUM = Assets under management.

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Change In Fiduciary Net Position







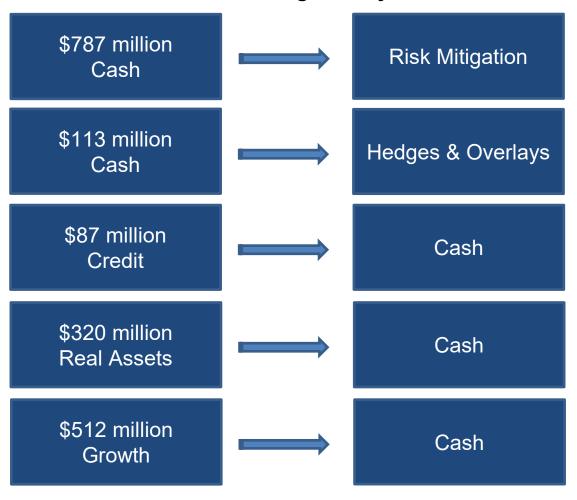
Portfolio Structural Updates

Portfolio Structural Updates



Portfolio Movements

Rebalancing Activity



Hedges & Overlays

Monthly Activity

Program	July Return	July Gain/(Loss)	Inception ¹ Gain/(Loss)
Currency Hedge ²	-0.8%	\$36.9 Million	\$1.6 Billion
Cash/Rebalance Overlay ³	0.4%	\$19.9 Million	\$519.3 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	
Risk and Analytics System, and ESG Research Services Search	√	\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

- The April 2024 approved Strategic Asset Allocation implementation has begun
- 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
- 2 Senior Investment Officer
 - 1 in progress
- 3 Financial Analyst-III
 - 2 in progress

Manager/Consultant Updates

State Street Corporation – Total Fund – In August, Joerg Ambrosius was named President of Investment Services (IS). Joerg has been with State Street for 23 years and served as chief commercial officer in his most recent position. Joerg will continue to report to Ronald O'Hanley, Chairman and Chief Executive Officer.

Western Asset – OPEB Program – Ken Leech, Chief Investment Officer, went on leave due to an investigation into past trade allocations involving treasury derivatives. Mike Buchanan has been promoted to Chief Investment Officer, overseeing global investment management. Mike has two decades of experience at Western Asset.



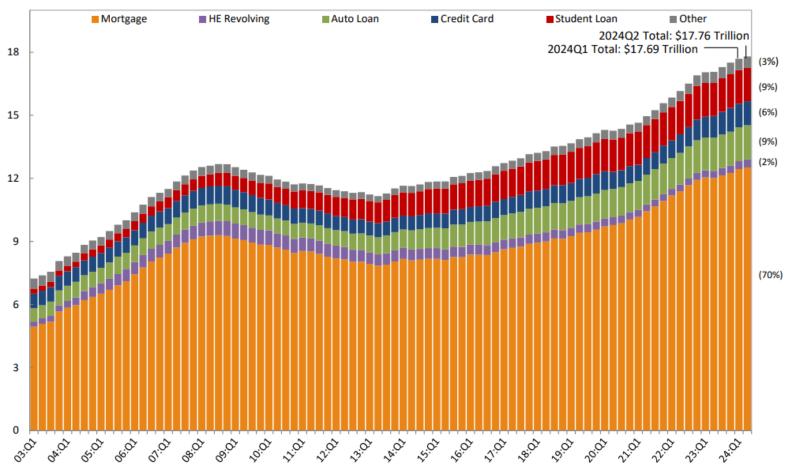
05 Commentary

Staff Chart of the Month US Aggregate Household Debt Balance Over Time



Total Debt Balance and its Composition

Trillions of Dollars



Source: New York Fed Consumer Credit Panel/Equifax



06 Appendix

Quiet Period for Search Respondents



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.