Chief Investment Officer Monthly Report



Board of Investments

July 13, 2022

Jonathan Grabel
Chief Investment Officer

LOS ANGELES COUNTY EMPLOYEES RETIREMENT ASSOCIATION

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Market Environment



Global Market Performance as of June 30, 2022

MSCI ACWI Index (Global Equity Market)*

Trailing Returns (%) Annualized Returns (%)

1-month 3-month YTD 1Y 3Y 5Y 10Y

-8.6 -15.8 -20.4 -16.5 6.0 6.7 8.7

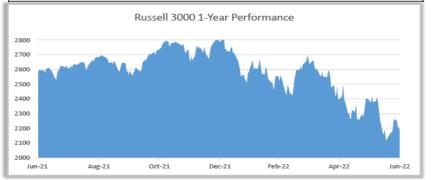


Russell 3000 Index (U.S. Equity Market)

Trailing Returns (%) Annualized Returns (%)

1-month 3-month YTD 1Y 3Y 5Y 10Y

-8.4 -16.7 -21.1 -13.9 9.8 10.6 12.6



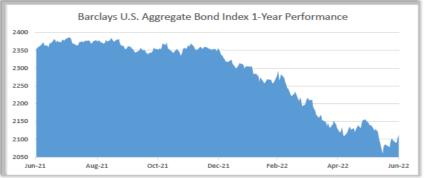
MSCI Emerging Market Index

Trail	Trailing Returns (%)			Annualized Returns (%)				
1-month	3-month	YTD	1Y	3Y	5Y	10Y		
-6.6	-11.5	-17.6	-25.3	0.6	2.2	3.1		



Barclays U.S. Aggregate Bond Index**

Trail	Trailing Returns (%)			Annualized Returns (%)				
1-month	3-month	YTD	1Y	3Y	5Y	10Y		
-1.6	-4.7	-10.3	-10.3	-0.9	0.9	1.5		

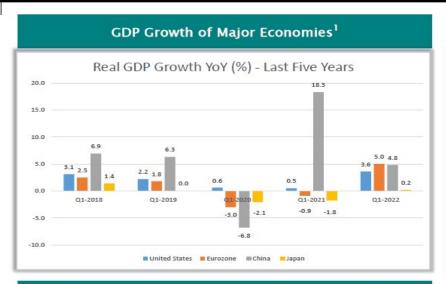


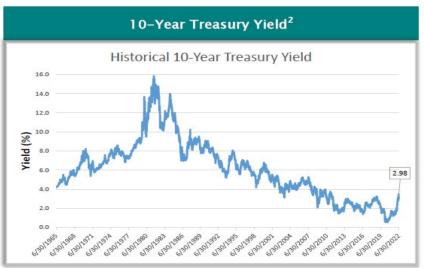
*Global Equity Policy Benchmark - MSCI ACWI IMI Index

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

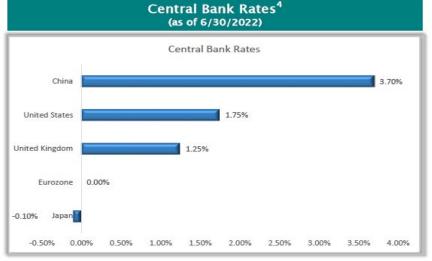
Source: Bloomberg

Key Macro Indicators*









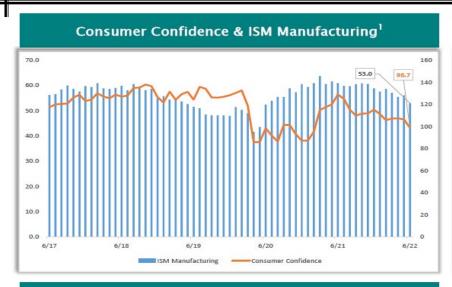
*The information on the "Key Macro Indicators" charts is the best available data as of 6/30/22 and may not reflect the current market and economic environment.

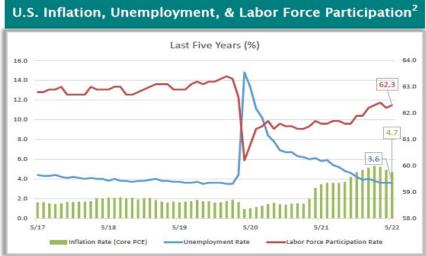
1. Bloomberg

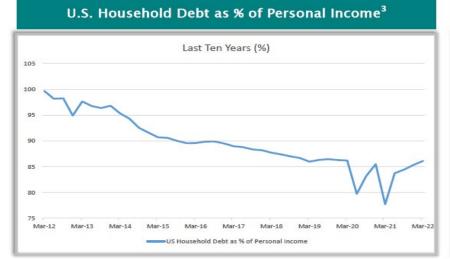
3. FactSet 4. FactSet

2. St. Louis Federal Reserve

Key Macro Indicators*









^{*}The information on the "Key Macro Indicators" charts is the best available data as of 6/30/22 and may not reflect the current market and economic environment.

ources: 1. Bloomberg 3. Bloomberg 2. Bloomberg 4. U.S. Treasury

Market Themes and Notable Items to Watch

Recent Themes

- The U.S. Federal Reserve raised its primary borrowing rate by 0.75% in June, the sharpest hike since 1994, in an attempt to combat inflation
 - Additional rate hikes are expected this year
- The worst first half of a year in the stock market since 1970
- 40-year highs in inflation continue to be the greatest concern for central banks and a headwind to markets
- The U.S. 10-year Treasury yield ended June at 2.98%, up from 1.52% at the end of 2021 and 0.93% at the end of 2020
- Global equities (MSCI All Country World Investable Market Index) declined 8.6% in June and is now down 20.4% this calendar year

What to Watch

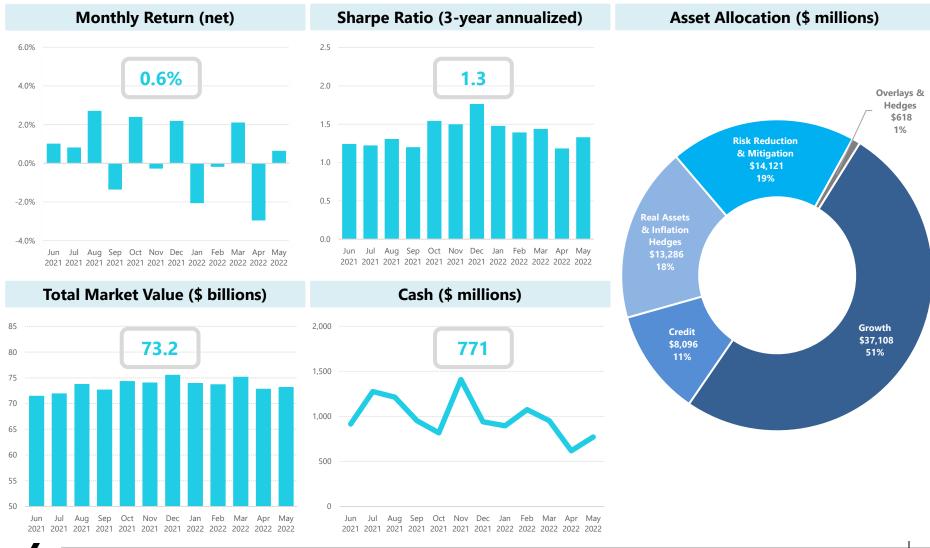
- Interest rates and central bank actions
- Economic data and trends
 - Inflation, supply chains, and labor developments
- Changing macro conditions and geopolitical risks
- Environmental, social, governance
 - ESG reporting framework convergence, as SASB becomes part of IFRS
 - 25% increased volume of E&S shareholder proposals in U.S.
 - Regulatory focus on manager ESG window dressing
- Russia-Ukraine war
 - Continued geopolitical, global commerce, commodities, energy markets/transition impacts
- Covid-19
 - Covid variants, cases, transmission, vaccines
 - Economic and consumer behavior implications

Portfolio Performance & Risk Updates



Total Fund Summary

as of May 2022

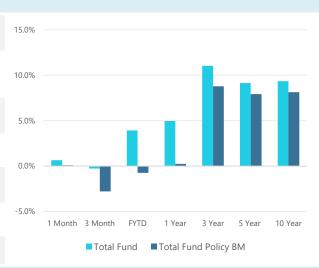


Historical Net Performance

as of May 2022

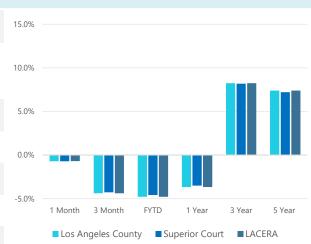
LACERA Pension Fund

	Market Value (\$ millions)	% of Total Fund	Interim Target	1 Month	3 Month	FYTD	1 Year	3 Year	5 Year	10 Year
Total Fund	73,228	100.0%	100.0%	0.6%	-0.3%	3.9%	5.0%	11.0%	9.1%	9.3%
Total Fund Policy BM				0.1%	-2.8%	-0.8%	0.2%	8.8%	7.9%	8.1%
7% Annual Hurdle Rate				0.6%	1.7%	6.4%	7.0%	7.0%	7.0%	7.0%
Growth	37,108	50.7%	51.0%	0.0%	-1.4%	3.0%	4.7%	16.4%		
Growth Policy BM				-0.4%	-4.4%	-3.2%	-1.8%	13.2%		
Credit	8,096	11.1%	11.0%	-0.8%	-2.4%	-1.0%	-0.3%	4.7%		
Credit Policy BM				-1.5%	-4.1%	-4.8%	-4.2%	2.8%		
Real Assets & Inflation Hedges	13,286	18.1%	17.0%	3.9%	7.1%	20.1%	19.9%	10.5%		
Real Assets & Inflation Hedges Policy BM				2.3%	5.7%	18.2%	18.6%	11.3%		
Risk Reduction & Mitigation	14,121	19.3%	21.0%	0.4%	-4.2%	-6.1%	-5.5%	1.5%		
Risk Reduction & Mitigation Policy BM				0.3%	-5.0%	-6.8%	-6.2%	0.6%		
Overlays & Hedges	618	0.8%		-6.1%	70.9%					



OPEB Master Trust¹

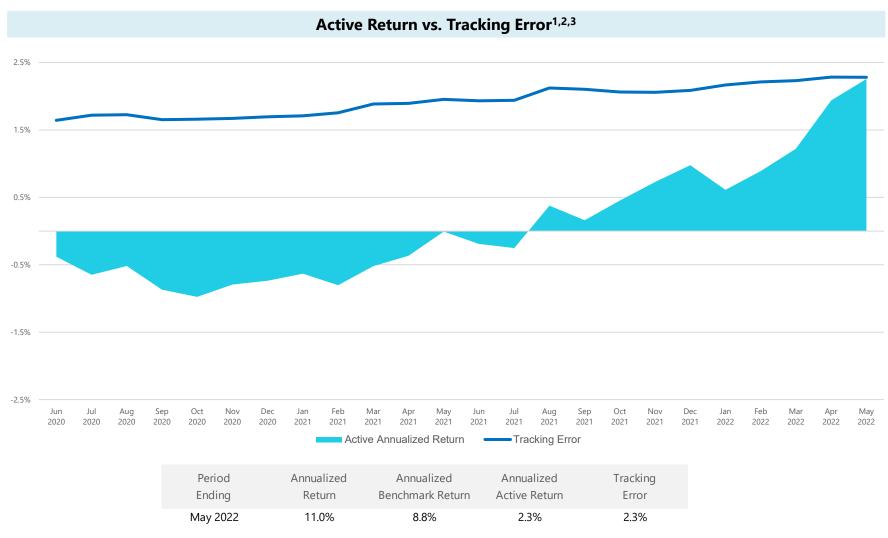
	Market Value	% of	Interim						
	(\$ millions)	Master Trust	Target	1 Month	3 Month	FYTD	1 Year	3 Year	5 Year
OPEB MASTER TRUST	2,463			-0.7%	-4.4%	-4.8%	-3.7%	8.3%	7.4%
Los Angeles County	2,395	97.2%	_	-0.7%	-4.4%	-4.8%	-3.7%	8.3%	7.4%
Superior Court	59	2.4%	_	-0.7%	-4.3%	-4.6%	-3.5%	8.2%	7.2%
LACERA	9	0.4%	_	-0.7%	-4.4%	-4.8%	-3.7%	8.2%	7.4%
OPEB Growth	1,231	50.0%	50.0%	0.1%	-5.8%	-8.4%	-7.3%	11.8%	9.1%
OPEB MT Growth Policy BM				0.1%	-6.0%	-8.6%	-7.5%	11.5%	8.8%
OPEB Credit	496	20.1%	20.0%	-0.7%	-3.1%	-5.4%	-5.0%	1.7%	
OPEB MT Credit Policy BM				-1.0%	-3.7%	-5.7%	-5.4%	1.9%	
OPEB Real Assets & Inflation Hedges	491	19.9%	20.0%	-3.4%	-0.8%	8.1%	10.0%	9.0%	
OPEB MT RA & IH Policy BM				-3.4%	-1.2%	7.7%	9.6%	8.7%	
OPEB Risk Reduction & Mitigation	245	9.9%	10.0%	0.5%	-4.6%	-7.1%	-6.5%	0.3%	1.7%
OPEB MT RR & M Policy BM				0.5%	-4.7%	-7.1%	-6.6%	0.2%	1.5%
Operational Cash	0	0.0%							





Performance Based Risk

as of May 2022



^{1.} Rolling 36 months.

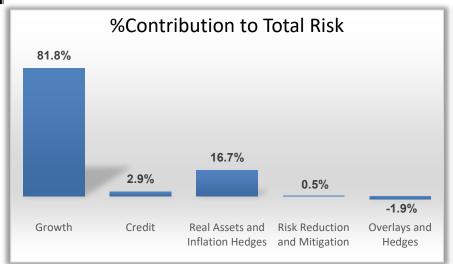
^{3.} Tracking error (or active risk) measures the volatility of active returns.



^{2.} Active return equals the difference in return between a portfolio and its benchmark.

Total Fund Forecast Risk*

as of May 2022





	%Weight	% Cont. to Total Risk	Standalone Total Risk	Standalone BMK Risk**
Total Fund			12.2	11.6
Growth	50.8%	81.8%	19.8	18.3
Global Equity	32.4%	44.4%	17.6	17.7
Private Equity	16.9%	33.9%	27.7	25.3
Non-Core Private Real Estate	1.5%	3.4%	41.1	18.5
Credit	11.0%	2.9%	4.3	4.9
Liquid Credit	6.5%	2.2%	5.3	4.9
Illiquid Credit	4.4%	0.8%	4.2	4.9
Real Assets & Inflation Hedges	18.2%	16.7%	12.7	12.9
Core Private Real Estate	6.1%	6.7%	19.4	18.5
Natural Resources & Commodities	5.2%	4.9%	15.6	19.7
Infrastructure	4.2%	4.6%	15.8	16.1
TIPS	2.8%	0.4%	5.6	5.7
Risk Reduction and Mitigation	19.2%	0.5%	4.6	4.4
Investment Grade Bonds	11.0%	0.3%	5.3	5.2
Diversified Hedge Funds	5.4%	0.4%	4.0	0.1
Long-Term Government Bonds	1.7%	-0.1%	13.0	13.0
Cash	1.1%	0.0%	-	-
Overlays and Hedges	0.9%	-1.9%	-	

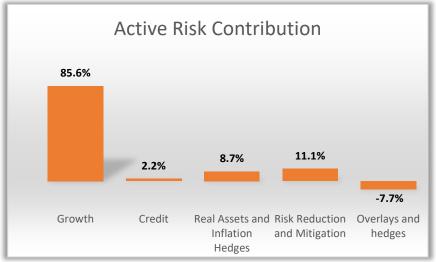
^{*}Implementation of the MSCI Risk Platform is ongoing; reconciliation and refinement of the data is progressing and subject to change. Real estate and private equity data used is as of 12/31/2021

^{**}BMK Risk stands for Benchmark Risk



Total Fund Forecast Active Risk*

as of May 2022



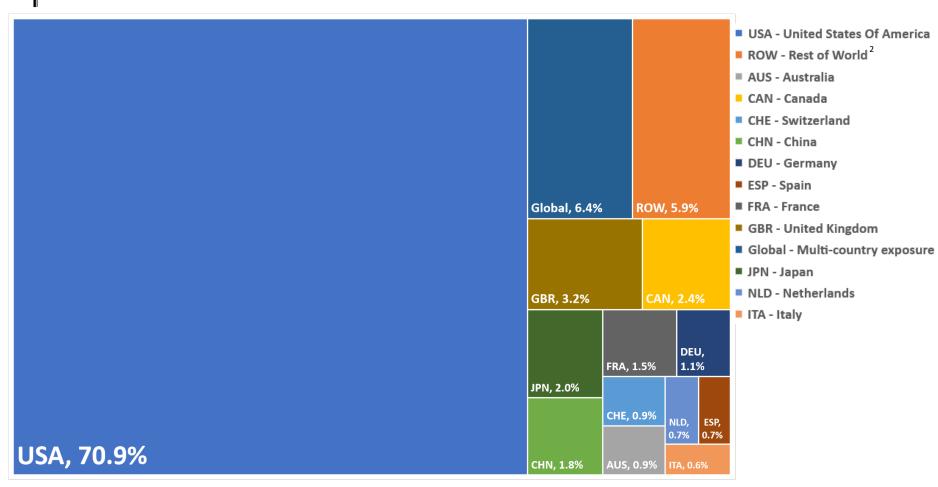


	%Weight	Active Weight%	Active Risk	Active Risk Allocation	Active Risk Selection
Total Fund			1.25	-0.04	1.29
Growth	50.8%	-0.21%	1.07	-0.01	1.08
Global Equity	32.4%				
Private Equity	16.9%				
Non-Core Private Real Estate	1.5%				
Credit	11.0%	-0.02%	0.03	0.00	0.03
Liquid Credit	6.5%				
Illiquid Credit	4.4%				
Real Assets & Inflation Hedges	18.2%	1.21%	0.11	-0.03	0.14
Core Private Real Estate	6.1%				
Natural Resources & Commodities	5.2%				
Infrastructure	4.2%				
TIPS	2.8%				
Risk Reduction and Mitigation	19.2%	-1.84%	0.14	0.09	0.05
Investment Grade Bonds	11.0%				
Diversified Hedge Funds	5.4%				
Long-Term Government Bonds	1.7%				
Cash	1.1%				
Overlays and Hedges	0.9%	0.87%	-0.10	-0.10	-

*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 used is as of 12/31/2021

Geographic Exposures by AUM* - Total Fund

as of May 2022 ex-overlays and hedges



^{*}AUM = assets under management

³ Geographic exposure is based on the domicile country of a given security/asset



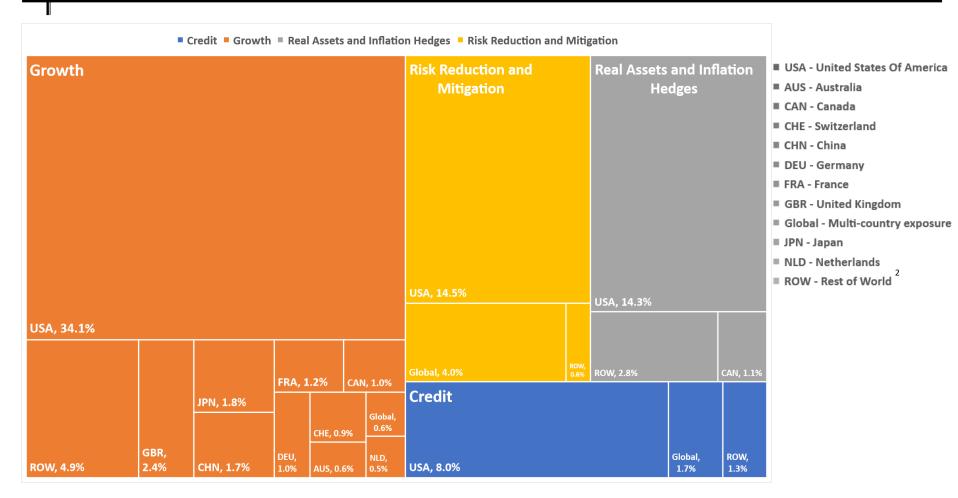
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^{1 *}Implementation of the MSCI Risk Platform is ongoing; reconciliation and refinement of the data is progressing and subject to change. Real estate and private equity data used is as of 12/31/2021

² "ROW - Rest of World" is sum of countries with weight below 0.5%

Geographic Exposures by AUM* - Asset Categories

as of May 2022 ex-overlays and hedges



^{*}AUM = assets under management

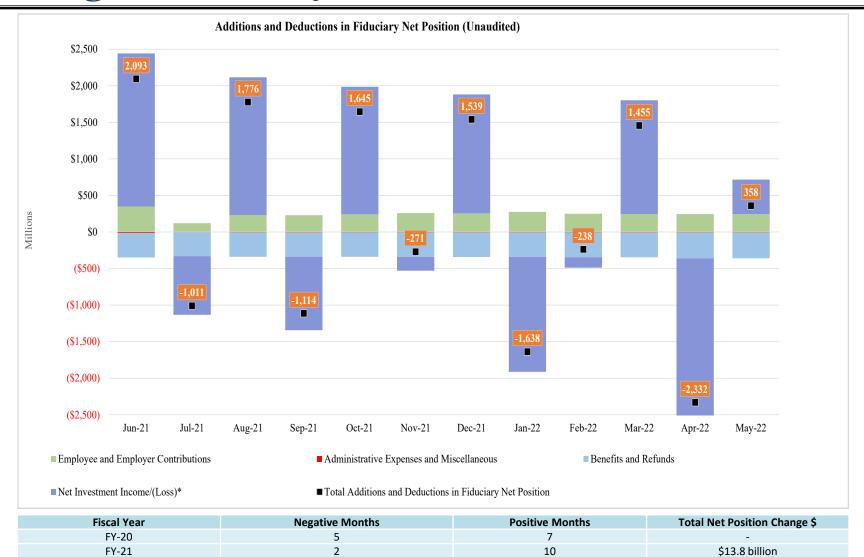
³ Geographic exposure is based on the domicile country of a given security/asset



^{1 *}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 used is as of 12/31/2021

² "ROW - Rest of World" is sum of countries with weight below 0.5%

Change In Fiduciary Net Position





FY-22

\$170 thousand

Portfolio Structural Updates



Portfolio Structural Updates

Portfolio Movements

Rebalancing Activity



Hedges and Overlays

Program	May Return	May Gain/(Loss)	Inception [*] Gain/(Loss)
Currency Hedge**	-0.4%	\$34.6 Million	\$1.1 Billion
Cash/Rebalance Overlay***	-0.5%	(\$10.9 Million)	\$105.5 Million

Current Search Activity

Status of Active Searches – Subject to Change

Name	RFP Issued	Due Diligence	BOI Review
Illiquid Credit Emerging Manager Program Search	•		Anticipated Mid 2022
Custody Bank Search	•	_	Anticipated August 2022
OPEB Private Markets Investments Search	•	—	Anticipated August 2022
Global Equity Emerging Separate Account Manager Search	•		Anticipated Late 2022

Quiet Period for Search Respondents

Please see the Appendix for this month's list of respondents to active searches

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



Key Initiatives and Operational Updates



Notable Initiatives and Operational Updates

Key Initiative Updates

- Implementation is ongoing for the new strategic asset allocation final policy targets and benchmarks
- Preparations for the BOI Offsite in September are underway

Team Searches and Open Positions

- Working on launching new searches
 - 1 Deputy Chief Investment Officer
 - 1 Principal Investment Officer
 - 2 Senior Investment Officer
 - 1 search in progress
 - 4 Financial Analyst-III
 - 4 searches in progress
 - 2 Financial Analyst-II

Manager/Consultant Updates

Parametric – Total Fund – Tom Lee, Chief Investment Officer, and Ranjit Kapila, Chief Operations Officer, will become Co-Presidents of Parametric, in addition to their current titles and responsibilities, effective January 1st, 2023. As Co-Presidents, Mr. Lee and Mr. Kapila will work closely with Brian Langstraat, Parametic's CEO, to implement the firm's strategy as well as expand their day-to-day leadership roles.

Genesis - Growth –Yiyong Yang and Rufus Frazier, both Partners and Portfolio Managers at Genesis will be leaving the firm. Mr. Yang will be leaving the firm at the end of the year following a transition period. Mr. Rufus is leaving to pursue other interests. The transition of Mr. Yang and Mr. Frazier's responsibilities to the rest of the portfolio management team is underway.

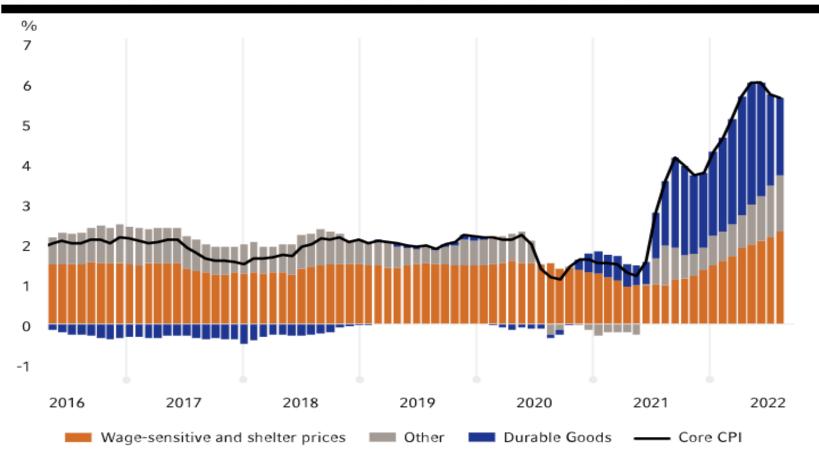


Commentary



Staff Chart of the Month* Durable Goods Impact on U.S. Core Inflation

DURABLE GOODS HAVE BEEN THE BIGGEST CAUSE OF RISING U.S. CORE INFLATION



Source: Refinitiv® DataStream®, as of May 15, 2022. CPI is consumer price index. Chart shows year-over-year % change.



* Submitted by the Real Assets team

**LACERA Investments

Appendix



Quiet Period for Search Respondents

Custody Bank Search

✓ State Street Bank and Trust Co.

Illiquid Credit Emerging Manager Program Search

- ✓ BlackRock Alternative Advisors
- ✓ Blackstone Alternative Asset Management
- ✓ Cambridge Associates
- ✓ GCM Grosvenor
- ✓ Stable Asset Management

OPEB Private Markets Investments Search

- ✓ BlackRock Financial Management Inc.
- ✓ Cambridge Associates LLC
- ✓ Goldman Sachs Asset Management, L.P.
- ✓ Hamilton Lane Advisors, LLC
- ✓ HarbourVest Partners, LLC
- ✓ J.P. Morgan Asset Management
- ✓ Morgan Stanley Investment Management
- ✓ Neuberger Berman Alternatives Advisers, LLC
- ✓ Pathway Capital Management, LP
- ✓ StepStone Group Holdings, LLC

Global Equity Emerging Separate Account Manager Search

- ✓ Attucks Asset Management, LLC
- ✓ Bivium Capital Partners, LLC
- ✓ Leading Edge Investment Advisors, LLC
- ✓ New Alpha Asset Management
- ✓ Stable Asset Management
- ✓ Xponance, Inc.

