Chief Investment Officer Monthly Report



Board of Investments
June 8, 2022

Jonathan Grabel
Chief Investment Officer

LOS ANGELES COUNTY EMPLOYEES RETIREMENT ASSOCIATION

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Market Environment



Global Market Performance as of May 31, 2022

MSCI ACWI Index (Global Equity Market)*

Trail	Trailing Returns (%)			Annualized Returns (%)				
1-month	3-month	YTD	1Y	3Y	5Y	10Y		
0.1	-6.0	-12.9	-7.5	11.5	8.8	10.2		



MSCI Emerging Market Index

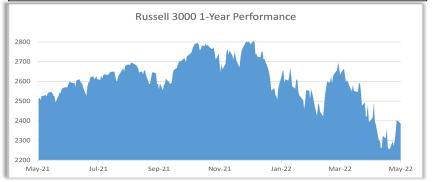
Trail	ailing Returns (%)			Annualized Returns (%)				
1-month	3-month	YTD	1Y	3Y	5Y	10Y		
0.4	-7.3	-11.8	-19.8	5.0	3.8	4.2		



*Global Equity Policy Benchmark - MSCI ACWI IMI Index

Russell 3000 Index (U.S. Equity Market)

-	Trailing Returns (%)			Annualize	d Returns	(%)	
1 – mo	nth 3-mon	th YTD	1Y	3Y	5Y	10Y	
-0.	1 -6.2	-13.9	-3.7	15.6	12.8	14.0	



Barclays U.S. Aggregate Bond Index**

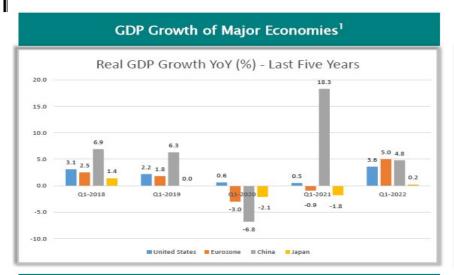
Trai	Trailing Returns (%)			nualized	Returns (%)	
1-month	3-month	YTD	1Y	3Y	5Y	10Y	
0.6	-5.9	-8.9	-8.2	0.0	1.1	1.7	

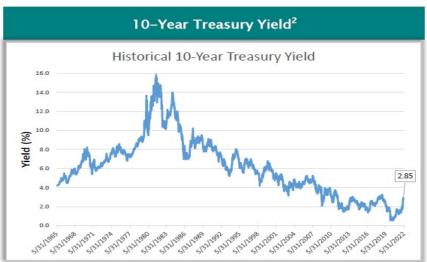


Source: Bloomberg

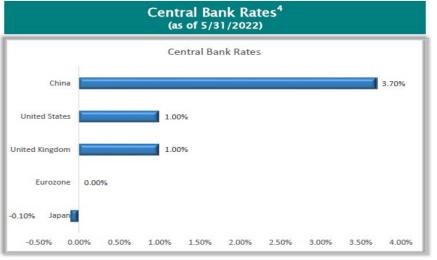
^{**}Investment Grade Bonds Policy Benchmark - Barclays U.S. Aggregate Bond Index

Key Macro Indicators*







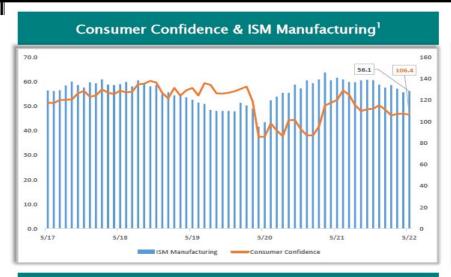


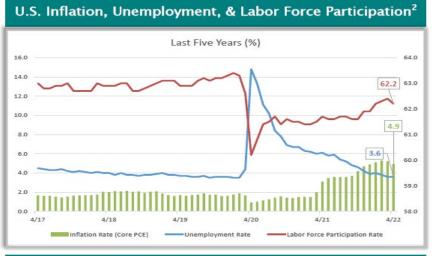
^{*}The information on the "Key Macro Indicators" charts is the best available data as of 5/31/22 and may not reflect the current market and economic environment.

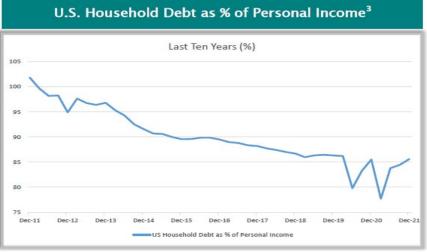
Sources: 1. Bloomberg 3. FactSet 2. St. Louis Federal Reserve 4. FactSet

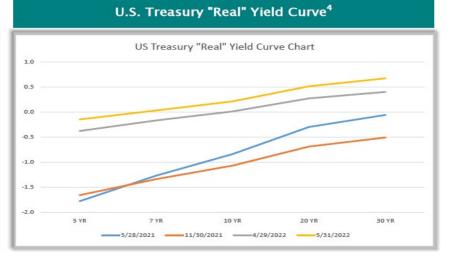


Key Macro Indicators*









Sources:

 Bloomberg 2. Bloomberg 3. Bloomberg

4. U.S. Treasury

*The information on the "Key Macro Indicators" charts is the best available data as of 5/31/22 and may not reflect the current market and economic environment.



Market Themes and Notable Items to Watch

Recent Themes

- The U.S. Federal Reserve raised its primary borrowing rate by 0.50% in early May while citing urgency to combat rising inflation
 - Additional rate hikes are expected this year
- 40-year highs in inflation continue to be a headwind for consumer sentiment
- The U.S. 10-year treasury yield ended May at 2.85%, 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) rose 0.1% in May
- Covid-19
 - More than 529 million cases, 6.2 million deaths, and 11.5 billion vaccine doses

What to Watch

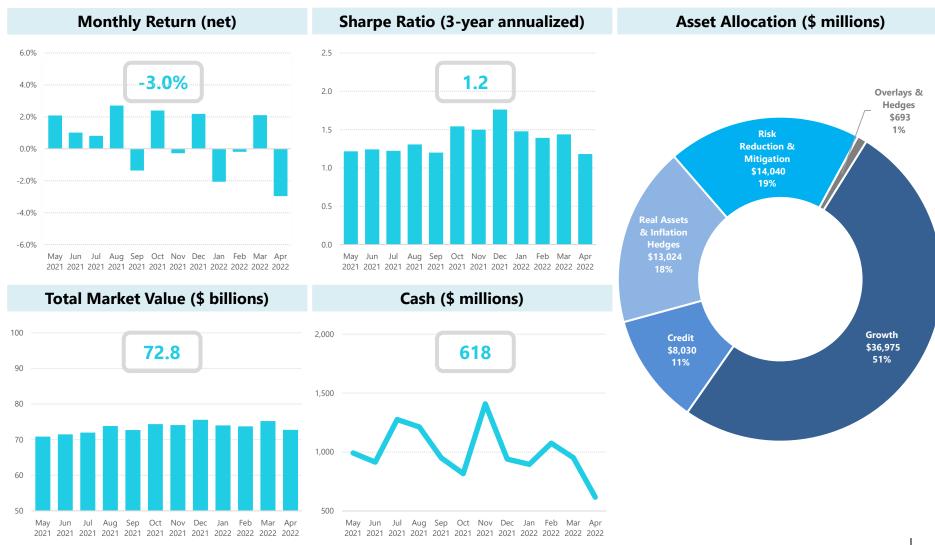
- Interest rates and consumer mortgage rates
- Economic data and trends
 - Inflation, supply chains, and labor developments
- Changing macro conditions
 - Central bank actions and geopolitical risks
- Environmental, social, governance
 - SEC proposes disclosure guidance on ESG funds
- Russia-Ukraine war
 - Continued geopolitical, global commerce, commodities, energy markets/transition impacts
- Covid-19
 - Economic and consumer behavior implications
 - Covid variants, transmission, vaccines

Portfolio Performance & Risk Updates



Total Fund Summary

as of April 2022

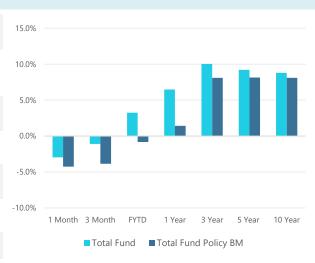


Historical Net Performance

as of April 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	72,761	100.0%	100.0%	-3.0%	-1.1%	3.2%	6.5%	10.0%	9.2%	8.8%
Total Fund Policy BM				-4.2%	-3.8%	-0.8%	1.4%	8.1%	8.1%	8.1%
7% Annual Hurdle Rate				0.6%	1.7%	5.8%	7.0%	7.0%	7.0%	7.0%
Growth	36,975	50.8%	51.0%	-4.8%	-2.5%	3.0%	7.9%	14.7%		
Growth Policy BM				-6.5%	-6.0%	-2.9%	0.3%	11.9%		
Credit	8,030	11.0%	11.0%	-1.3%	-2.5%	-0.2%	1.6%	5.0%		
Credit Policy BM				-1.6%	-4.1%	-3.4%	-2.1%	3.1%		
Real Assets & Inflation Hedges	13,024	17.9%	17.0%	-0.5%	6.9%	15.6%	17.6%	8.9%		
Real Assets & Inflation Hedges Policy BM				-0.5%	5.7%	15.5%	17.9%	10.2%		
Risk Reduction & Mitigation	14,040	19.3%	21.0%	-2.8%	-5.3%	-6.5%	-5.6%	1.8%		
Risk Reduction & Mitigation Policy BM				-3.1%	-6.0%	-7.0%	-6.2%	1.0%		
Overlays & Hedges	693	1.0%		42.9%	85.0%					



OPEB Master Trust¹

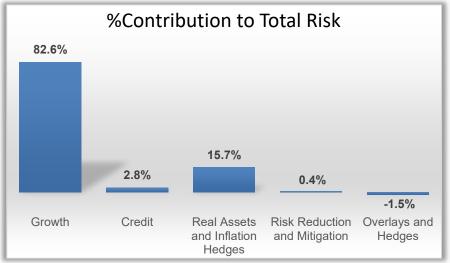
	Market Value (\$ millions)	% of Master Trust	Interim Target	1 Month	3 Month	FYTD	1 Year	3 Year	5 Year	
OPEB MASTER TRUST	2,481			-5.2%	-5.3%	-4.1%	-1.8%	7.4%	7.9%	
Los Angeles County	2,412	97.2%	_	-5.2%	-5.3%	-4.1%	-1.8%	7.4%	7.9%	
Superior Court	59	2.4%	_	-5.2%	-5.1%	-3.9%	-1.7%	7.3%	7.7%	
LACERA	10	0.4%	_	-5.2%	-5.3%	-4.1%	-1.8%	7.4%	7.9%	
OPEB Growth	1,229	49.5%	50.0%	-7.9%	-8.2%	-8.6%	-6.1%	9.5%	9.5%	
OPEB MT Growth Policy BM				-7.9%	-8.2%	-8.7%	-6.2%	9.2%	9.2%	
OPEB Credit	500	20.1%	20.0%	-2.0%	-4.0%	-4.7%	-3.5%	1.7%		
OPEB MT Credit Policy BM				-2.1%	-4.2%	-4.7%	-3.6%	2.1%		
OPEB Real Assets & Inflation Hedges	508	20.5%	20.0%	-2.1%	2.5%	11.8%	15.3%	10.1%		
OPEB MT RA & IH Policy BM				-2.1%	2.1%	11.6%	15.0%	9.9%		
OPEB Risk Reduction & Mitigation	244	9.8%	10.0%	-3.0%	-6.0%	-7.5%	-6.8%	0.6%	1.6%	
OPEB MT RR & M Policy BM				-3.0%	-6.0%	-7.6%	-6.8%	0.5%	1.4%	
Operational Cash	0	0.0%								





Total Fund Forecast Risk*

as of April 2022





	%Weight	% Cont. to Total Risk	Standalone Standalone Standalone	Standalone BMK Risk**
Total Fund			11.9	11.4
Growth	50.8%	82.6%	19.5	18.1
Global Equity	32.4%	45.0%	17.4	17.5
Private Equity	17.0%	34.6%	27.5	25.0
Non-Core Private Real Estate	1.4%	3.0%	36.8	17.9
Credit	11.1%	2.8%	4.0	4.8
Liquid Credit	6.6%	2.1%	5.0	4.8
Illiquid Credit	4.5%	0.7%	4.1	4.8
Real Assets & Inflation Hedges	17.8%	15.7%	12.2	12.6
Core Private Real Estate	5.7%	6.1%	18.6	17.9
Natural Resources & Commodities	5.0%	4.7%	15.2	19.3
Infrastructure	4.4%	4.6%	15.2	16.0
TIPS	2.8%	0.4%	5.5	5.4
Risk Reduction and Mitigation	19.3%	0.4%	4.5	4.3
Investment Grade Bonds	11.2%	0.2%	5.2	5.1
Diversified Hedge Funds	5.5%	0.4%	3.9	0.1
Long-Term Government Bonds	1.7%	-0.2%	12.6	12.6
Cash	0.9%	0.0%	-	-
Overlays and Hedges	1.0%	-1.5%	-	

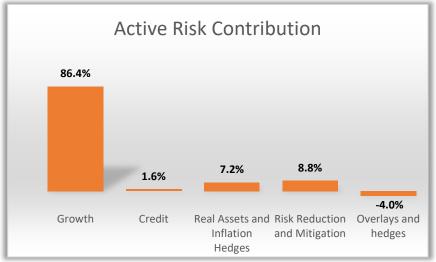
^{*}Implementation of the MSCI Risk Platform is ongoing; reconciliation and refinement of the data is progressing and subject to change. Real estate and private equity data used is as of 12/31/2021

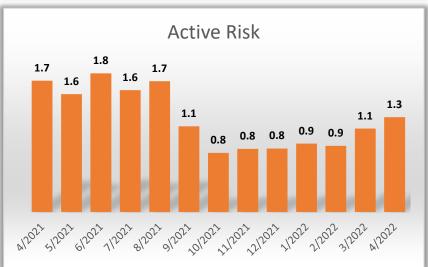
^{**}BMK Risk stands for Benchmark Risk



Total Fund Forecast Active Risk*

as of April 2022



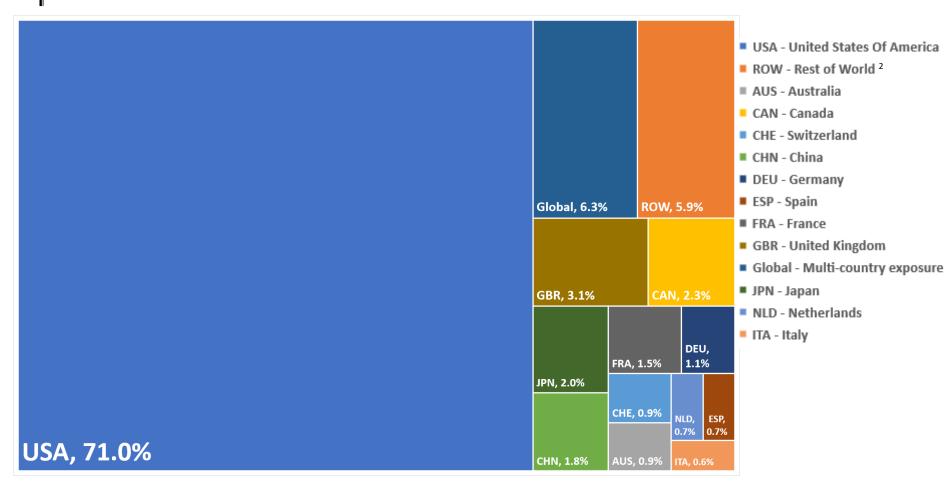


	%Weight	Active Weight%	Active Risk	Active Risk Allocation	Active Risk Selection
Total Fund			1.25	-0.02	1.28
Growth	50.8%	-0.21%	1.08	-0.01	1.09
Global Equity	32.4%				
Private Equity	17.0%				
Non-Core Private Real Estate	1.4%				
Credit	11.1%	0.14%	0.02	-0.01	0.03
Liquid Credit	6.6%				
Illiquid Credit	4.5%				
Real Assets & Inflation Hedges	17.8%	0.82%	0.09	-0.03	0.12
Core Private Real Estate	5.7%				
Natural Resources & Commodities	5.0%				
Infrastructure	4.4%				
TIPS	2.8%				
Risk Reduction and Mitigation	19.3%	-1.69%	0.11	0.07	0.04
Investment Grade Bonds	11.2%				
Diversified Hedge Funds	5.5%				
Long-Term Government Bonds	1.7%				
Cash	0.9%				
Overlays and Hedges	1.0%	0.95%	-0.05	-0.05	-

*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 April 2022 ex-overlays and hedges



^{*}AUM = assets under management

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

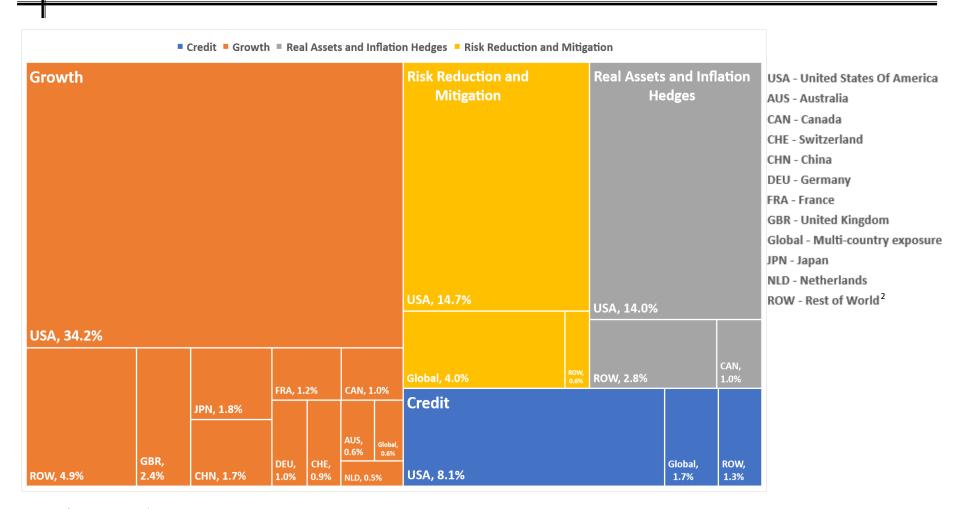


¹*Implementation of the MSCI Risk Platform is ongoing; reconciliation and refinement of the data is progressing and subject to change. Real estate and private equity data used is as of 12/31/2021

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

Geographic Exposures by AUM* - Asset Categories

as of April 2022 ex-overlays and hedges



^{*}AUM = assets under management

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

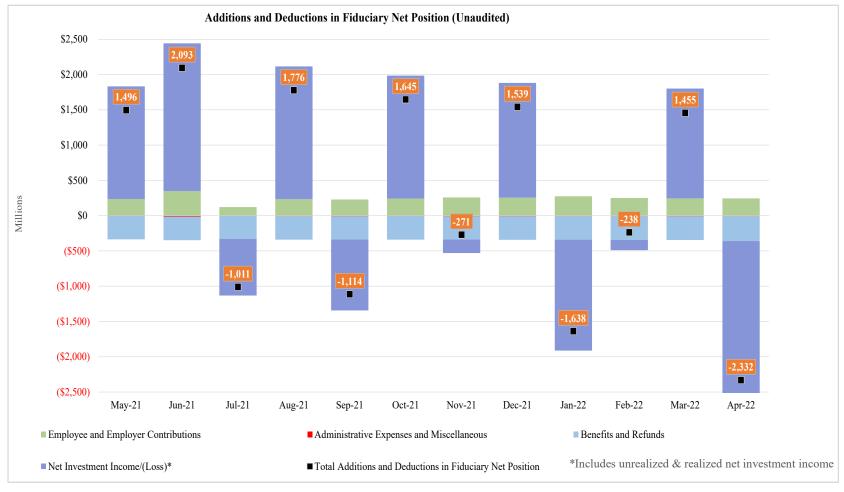


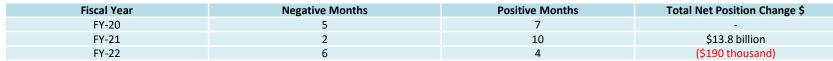
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^{1 *}Implementation of the MSCI Risk Platform is ongoing; reconciliation and refinement of the data is progressing and subject to change. Real estate and private equity data used is as of 12/31/2021

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

Change In Fiduciary Net Position







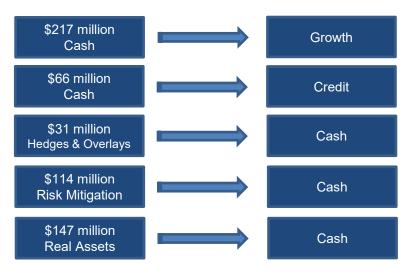
Portfolio Structural Updates



Portfolio Structural Updates

Portfolio Movements

Rebalancing Activity



Hedges and Overlays

Program	April Return	April Gain/(Loss)	Inception [*] Gain/(Loss)
Currency Hedge**	2.5%	\$30.6 Million	\$1.1 Billion
Cash/Rebalance Overlay***	2.3%	\$36.5 Million	\$116.4 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 Late 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 policy targets and benchmarks
- Preparations for the BOI Offsite in September are underway

Operational Updates

Annual contract compliance review underway

Completed Actions

Onboarded LACERA's first dedicated managed account

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

Credit Suisse – Real Assets – John Calvaruso, Director at Credit Suisse Asset Management ("CSAM"), and Co-Portfolio Manager and Trader for the Commodities Team, will be leaving the firm in June. He had recently joined the team in October 2021. CSAM intends to hire an experienced portfolio manager to replace Mr. Calvaruso.

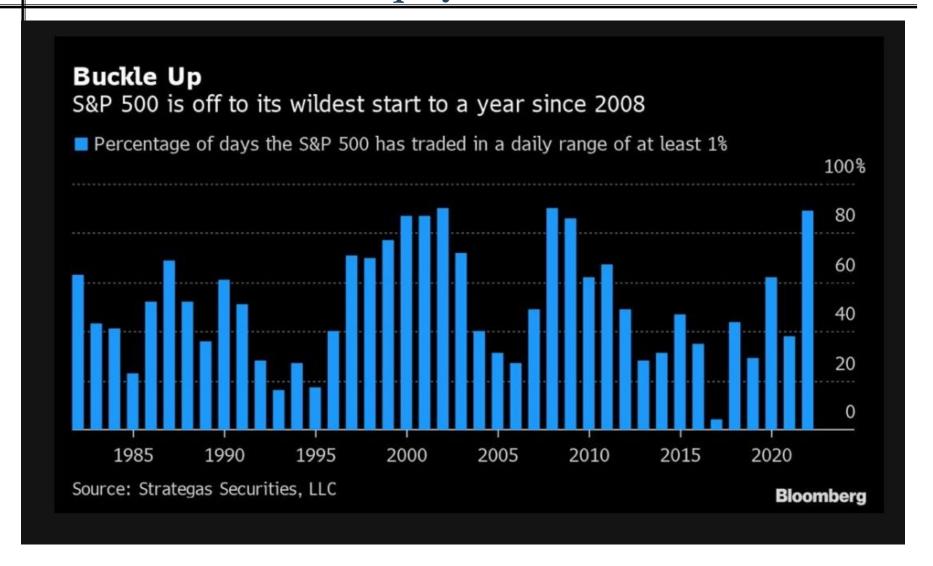
Deutsche Bank DWS – Real Assets – Asoka Woehrmann, Chief Executive Officer, resigned from the firm in June. He will be succeeded by Stefan Hoops, the current head Of Deutsche Bank's corporate bank. The firm was raided by German authorities for allegations of greenwashing, the practice of firms and funds giving misleading claims about their products or ESG credentials.



Commentary



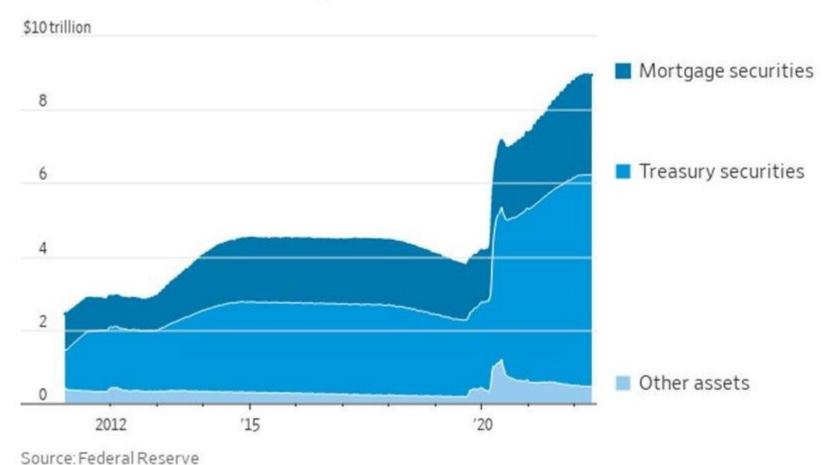
Staff Chart of the Month* Rockiest Start to U.S. Equity Market since 2008



Staff Chart of the Month* Still A Large Amount of Liquidity in the System

Bond Balances

The Federal Reserve's asset holdings have doubled since March 2020



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

