# Chief Investment Officer Monthly Report

### **Board of Investments**

**September 14, 2022** 



LOS ANGELES COUNTY EMPLOYEES RETIREMENT ASSOCIATION

- 1. Market Environment
- 2. Portfolio Performance and Risk Updates
- 3. Portfolio Structural Updates
- 4. Key Initiatives and Operational Updates
- 5. Commentary

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# **Market Environment**

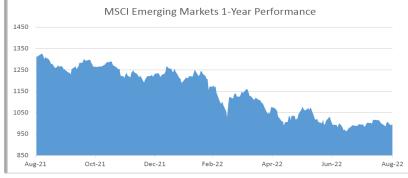


# Global Market Performance as of August 31, 2022

### MSCI ACWI Index (Global Equity Market)\* Trailing Returns (%) Annualized Returns (%) 10Y 1-month 3-month YTD 1Y 3Y 5Y 8.7 -3.6 -17.8-16.28.0 6.8 -5.6 MSCI ACWI IMI Index 1-Year Performance 1900 1800 1700 1600 1500 1400 1300 Feb-22 Apr-22 Aug-21 Oct-21 Dec-21 Jun-22 Aug-22

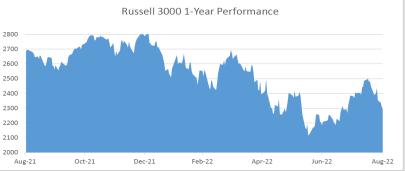
### MSCI Emerging Market Index

Trailing Returns (%)			Annualized Returns (%)					
1-month	3-month	YTD	1 Y	ЗY	5Y	10Y		
0.4	-6.5	-17.5	-21.8	2.7	0.6	2.9		



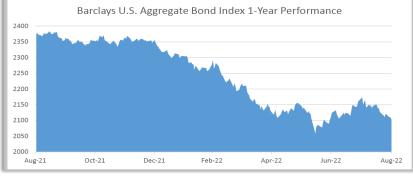
\*Global Equity Policy Benchmark - MSCI ACWI IMI Index \*\*Investment Grade Bonds Policy Benchmark - Barclays U.S. Aggregate Bond Index

# Russell 3000 Index (U.S. Equity Market)



### Barclays U.S. Aggregate Bond Index\*\*

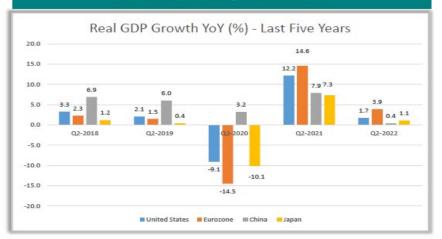
Trailing Returns (%)			Ar	nnualized	Returns (	%)		
	1-month	3-month	YTD	1 Y	3Y	5Y	10Y	
	-2.8	-2.0	-10.8	-11.5	-2.0	0.5	1.4	



Source: Bloomberg

# Key Macro Indicators\*

GDP Growth of Major Economies<sup>1</sup>

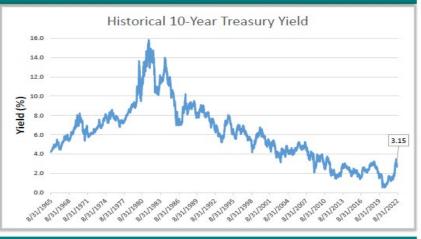


### World Equity Valuation<sup>3</sup>

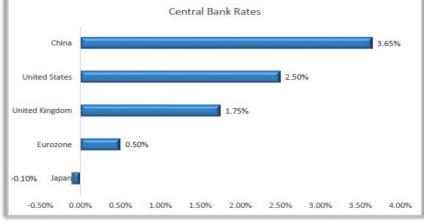


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10-Year Treasury Yield<sup>2</sup>



Central Bank Rates<sup>4</sup> (as of 8/31/2022)

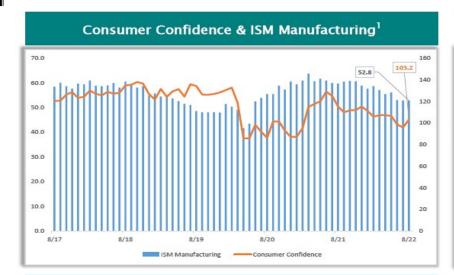


Sources: 1. Bloomberg 3. FactSet

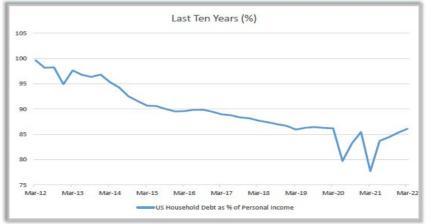
\*The information on the "Key Macro Indicators" charts is the best available data as of 8/31/22 and may not reflect the current market and economic environment.

2. St. Louis Federal Reserve 4. FactSet

# **Key Macro Indicators**\*

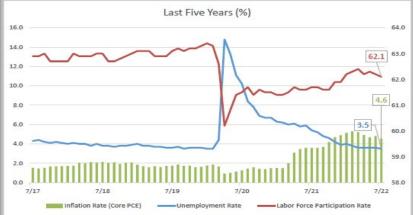


### U.S. Household Debt as % of Personal Income<sup>3</sup>

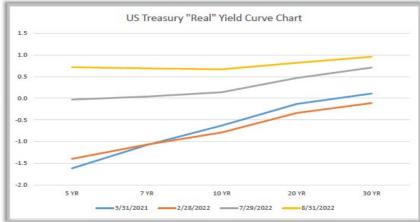


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### U.S. Inflation, Unemployment, & Labor Force Participation<sup>2</sup>



### U.S. Treasury "Real" Yield Curve<sup>4</sup>



\*The information on the "Key Macro Indicators" charts is the best available data as of 8/31/22 and may not reflect the current market and economic environment.

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

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

## Recent Themes

- Euro zone inflation hit a record high in August at 9.1% (year over year), according to estimates from Europe's statistics office Eurostat with energy having the highest annual inflation rate at 38.3%
- The value of the U.S. dollar as measured against a basket of six other major currencies hit a 20-year high in late August as Federal Reserve Chairman Jerome Powell made comments signaling further interest rate hikes
- The U.S. 10-year Treasury yield ended August at 3.15%, 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 3.6% in August and is now down 17.8% in 2022

# What to Watch

- Interest rates and central bank actions
- Economic data and trends
  - Inflation, supply chains, and labor developments
- Macro conditions and geopolitical risks
- Environmental, social, governance
  - SEC finalizes CEO pay-for-performance reporting guidance from 2010 Dodd-Frank bill
  - 73% of global GDP in countries pledging to meet net-zero emissions by 2050
  - State-level inquiries and legislative bills scrutinize ESG integration in investments
- Covid-19
  - Covid variants, cases, transmission, vaccines
  - Economic and consumer behavior implications

# Portfolio Performance & Risk Updates

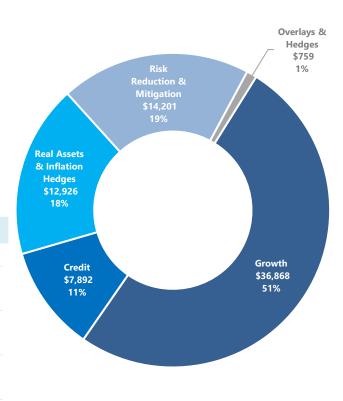


# Total Fund Summary as of July 2022

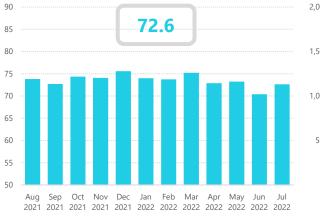


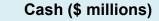


### **Asset Allocation (\$ millions)**



### **Total Market Value (\$ billions)**

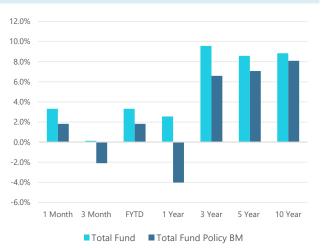






# Historical Net Performance as of July 2022

					LACI		CHISIC	, iii u	nu	
	Market Value (\$ millions)	% of Total Fund	Interim Target	1 Month	3 Month	FYTD	1 Year	3 Year	5 Year	10 Year
<b>Total Fund</b> Total Fund Policy BM 7% Annual Hurdle Rate	72,646	100.0%	100.0%	<b>3.3%</b> 1.8% 0.6%	<b>0.1%</b> -2.1% 1.7%	<b>3.3%</b> 1.8% 0.6%	<b>2.6%</b> -4.0% 7.0%	<b>9.6%</b> 6.6% 7.0%	<b>8.6%</b> 7.1% 7.0%	<b>8.8%</b> 8.1% 7.0%
Growth Growth Policy BM	36,868	50.8%	53.0%	<b>4.3%</b> 1.9%	<b>-0.8%</b> -3.5%	<b>4.3%</b> 1.9%	<b>1.5%</b> -7.6%	<b>14.0%</b> 9.9%		
Credit Credit Policy BM	7,892	10.9%	11.0%	<b>0.9%</b> -1.5%	<b>-3.1%</b> -5.7%	<b>0.9%</b> -1.5%	<b>-3.9%</b> -9.2%	<b>3.3%</b> 0.4%		
Real Assets & Inflation Hedges Real Assets & Inflation Hedges Policy BM	12,926	17.8%	17.0%	<b>2.9%</b> 3.7%	<b>1.8%</b> 0.9%	<b>2.9%</b> 3.7%	<b>16.4%</b> 15.0%	<b>9.0%</b> 10.0%		
Risk Reduction & Mitigation Risk Reduction & Mitigation Policy BM	14,201	19.5%	19.0%	<b>1.6%</b> 1.7%	<b>0.9%</b> 0.9%	<b>1.6%</b> 1.7%	<b>-6.4%</b> -7.0%	<b>1.2%</b> 0.3%		
Overlays & Hedges	759	1.0%		23.6%	50.4%					



**LACERA** Pension Fund

	Market Value (\$ millions)	% of Master Trust	Interim Target	1 Month	3 Month	FYTD	1 Year	3 Year	5 Year	
OPEB MASTER TRUST	2,531			5.7%	-2.1%	5.7%	-7.1%	6.2%	6.5%	
Los Angeles County	2,461	97.2%	_	5.7%	-2.1%	5.7%	-7.1%	6.2%	6.5%	
Superior Court	59	2.3%	_	5.7%	-2.0%	5.7%	-6.8%	6.2%	6.4%	
LACERA	11	0.5%	-	5.7%	-2.2%	5.7%	-7.2%	6.2%	6.5%	
OPEB Growth	1,285	50.8%	47.5%	7.2%	-1.9%	7.2%	-10.8%	8.6%	7.9%	
OPEB MT Growth Policy BM				6.4%	-2.8%	6.4%	-11.7%	8.1%	7.4%	
OPEB Credit	491	19.4%	19.0%	3.2%	-1.9%	3.2%	- <b>6.4</b> %	0.3%		
OPEB MT Credit Policy BM				2.4%	-3.0%	2.4%	-7.6%	0.3%		
OPEB Real Assets & Inflation Hedges	507	20.0%	20.0%	6.7%	-4.2%	6.7%	3.2%	7.9%		
OPEB MT RA & IH Policy BM				3.4%	-7.1%	3.4%	-0.2%	6.5%		
OPEB Risk Reduction & Mitigation	247	9.7%	13.5%	2.0%	1.3%	2.0%	-7.2%	0.1%	1.8%	
OPEB MT RR & M Policy BM				2.1%	1.4%	2.1%	-7.1%	0.0%	1.6%	
Operational Cash	0	0.0%								





### LACERA Investments

# Performance Based Risk

### as of July 2022



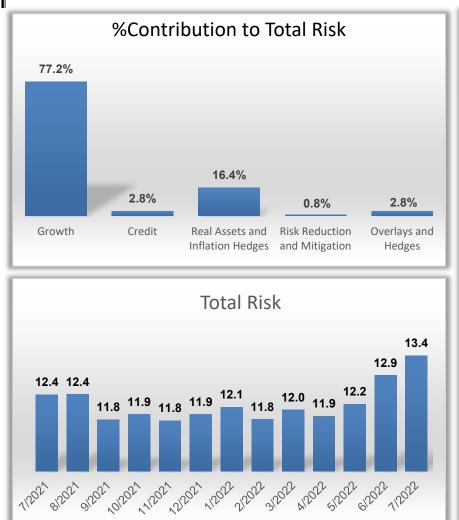
1. Rolling 36 months.

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

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

# **Total Fund Forecast Risk**\*

### as of July 2022



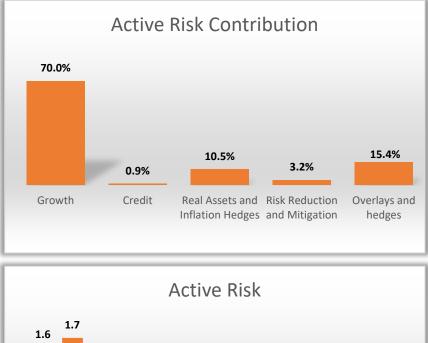
	%Weight	% Cont. to Total Risk	Standalone Total Risk	Standalone BMK Risk**
Total Fund			13.4	12.7
Growth	50.7%	77.2%	20.6	19.3
Global Equity	31.8%	41.3%	18.3	18.4
Private Equity	17.4%	33.2%	29.1	26.9
Non-Core Private Real Estate	1.5%	2.7%	37.1	19.6
Credit	10.9%	2.8%	4.6	5.3
Liquid Credit	6.4%	2.1%	5.8	5.3
Illiquid Credit	4.5%	0.7%	4.3	5.3
Real Assets & Inflation Hedges	18.1%	16.4%	14.0	13.8
Core Private Real Estate	6.1%	6.8%	21.8	19.6
Natural Resources & Commodities	4.1%	3.6%	16.7	21.6
Infrastructure	5.1%	5.6%	17.0	17.2
TIPS	2.8%	0.5%	6.2	6.1
Risk Reduction and Mitigation	19.4%	0.8%	5.6	5.4
Investment Grade Bonds	7.8%	0.4%	5.6	5.5
Diversified Hedge Funds	5.6%	0.5%	3.9	0.2
Long-Term Government Bonds	4.6%	-0.1%	13.2	13.2
Cash	1.4%	0.0%	-	-
Overlays and Hedges	0.9%	2.8%	-	

\*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 3/31/2022

\*\*BMK Risk stands for Benchmark Risk

# **Total Fund Forecast Active Risk**\*

### as of July 2022



	1.4	0.8	0.8	0.8	0.9	0.9	1.1	1.3	1.2	1.4	1.2	
712021 812	 12022	2021	1022	2021 1	2022 21	2022 31	2022 AV	2022 51	1022 61	2022 71	2022	

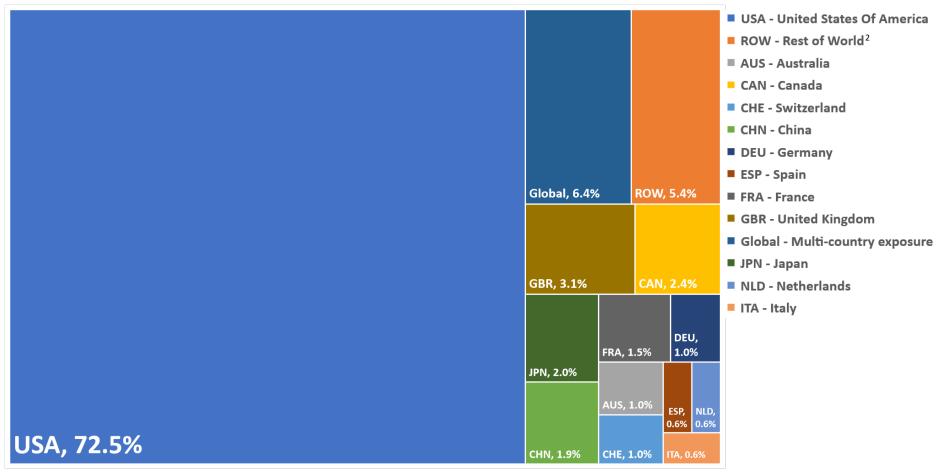
	%Weight	Active Weight%	Active Risk	Active Risk Allocation	Active Risk Selection
Total Fund			1.18	0.02	1.17
Growth	50.7%	-2.29%	0.83	-0.11	0.94
Global Equity	31.8%				
Private Equity	17.4%				
Non-Core Private Real Estate	1.5%				
Credit	10.9%	-0.08%	0.01	0.00	0.01
Liquid Credit	6.4%				
Illiquid Credit	4.5%				
Real Assets & Inflation Hedges	18.1%	1.07%	0.12	-0.03	0.16
Core Private Real Estate	6.1%				
Natural Resources & Commodities	4.1%				
Infrastructure	5.1%				
TIPS	2.8%				
Risk Reduction and Mitigation	19.4%	0.43%	0.04	-0.03	0.07
Investment Grade Bonds	7.8%				
Diversified Hedge Funds	5.6%				
Long-Term Government Bonds	4.6%				
Cash	1.4%				
Overlays and Hedges	0.9%	0.87%	0.18	0.18	-

\*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 3/31/2022

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# **Geographic Exposures by AUM<sup>\*</sup> - Total Fund**

as of July 2022 ex-overlays and hedges

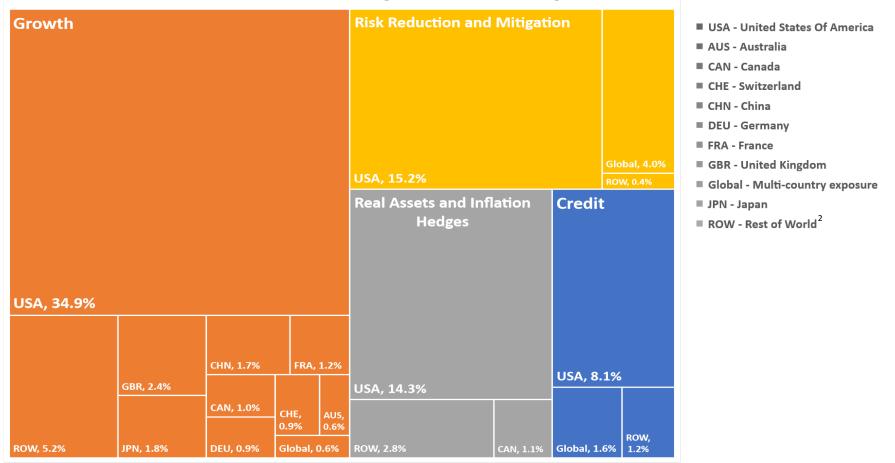


\*AUM = assets under management

- <sup>1</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 used is as of 3/31/2022
- <sup>2</sup> "ROW Rest of World" is sum of countries with weight below 0.5%
- <sup>3</sup> Geographic exposure is based on the domicile country of a given security/asset

### **Geographic Exposures by AUM<sup>\*</sup> - Asset Categories** as of June 2022 ex-overlays and hedges

Credit = Growth = Real Assets and Inflation Hedges = Risk Reduction and Mitigation



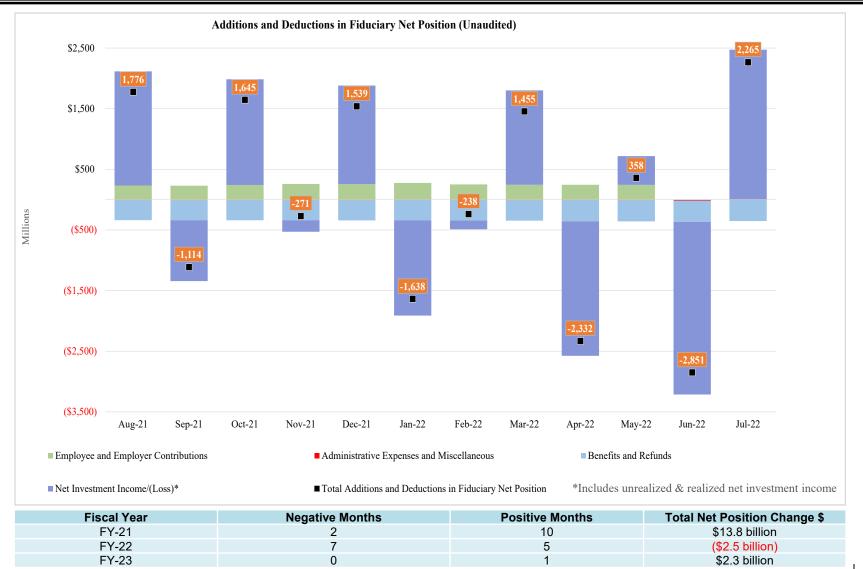
\*AUM = assets under management

<sup>1</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 used is as of 3/31/2022

<sup>2</sup> "ROW - Rest of World" is sum of countries with weight below 0.5%

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

# **Change In Fiduciary Net Position**



# **Portfolio Structural Updates**



# **Portfolio Structural Updates**

### **Portfolio Movements**

# \$104 million<br/>CashGrowth\$21 million<br/>CashReal Assets\$5 million<br/>CashCredit\$0 million<br/>Risk MitigationCash\$88 million<br/>Hedges & OverlaysCash

### **Hedges and Overlays**

**Rebalancing Activity** 

Program	July Return	July Gain/(Loss)	Inception <sup>*</sup> Gain/(Loss)
Currency Hedge**	0.1%	\$88.0 Million	\$1.3 Billion
Cash/Rebalance Overlay***	5.2%	\$147.7 Million	\$304.8 Million

\*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	BOI Review
Global Equity Emerging Separate Account Manager Search	•		Anticipated Late 2022

### **Quiet Period for Search Respondents**

Global Equity Emerging Separate Account Manager Search

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

\* 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. \*\* LACERA's overlay program's 1-month return includes interest earned on the cash that supports the futures contracts.



# **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

### **Operational Updates**

- Annual contract compliance review underway
- Annual DEI diligence of all investment partners is underway.

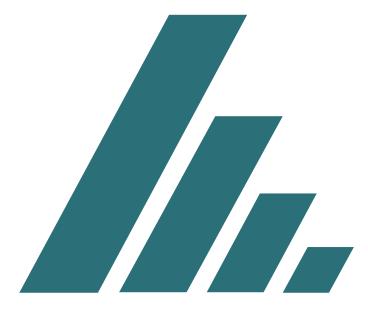
### Manager/Consultant Updates

No material updates for this month's report.

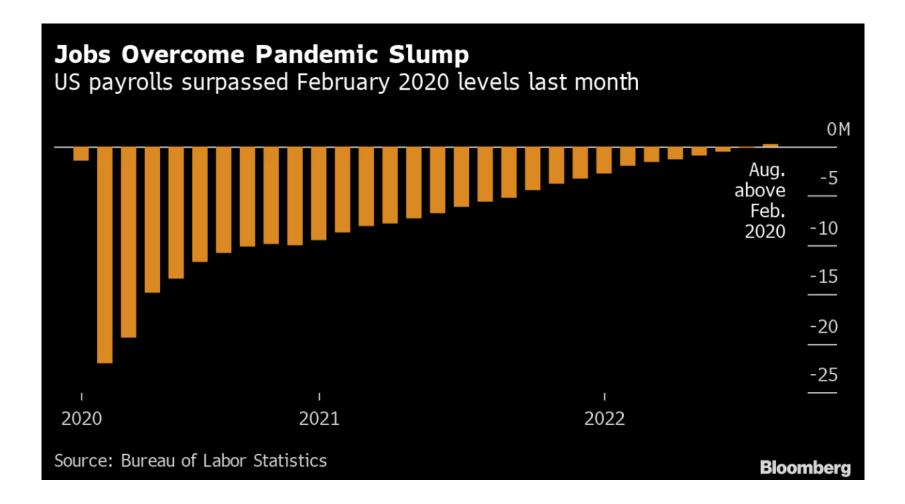
### **Team Searches and Open Positions**

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

# Commentary



# Staff Chart of the Month\* US Employment Exceeded Its Pre-Pandemic Level



Source: Bloomberg