# Chief Investment Officer Monthly Report



Board of Investments
October 12, 2022

Jonathan Grabel
Chief Investment Officer

LOS ANGELES COUNTY EMPLOYEES RETIREMENT ASSOCIATION

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## **Market Environment**



## Global Market Performance as of September 30, 2022

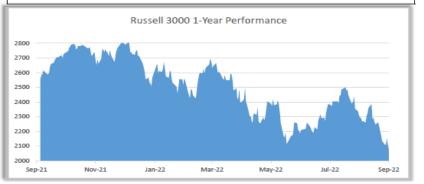
#### MSCI ACWI Index (Global Equity Market)\*

| Trailing Returns (%) |         |         |       | Annualized Returns (%) |     |     |     |  |  |  |
|----------------------|---------|---------|-------|------------------------|-----|-----|-----|--|--|--|
|                      | 1-month | 3-month | YTD   | 1Y                     | 3Y  | 5Y  | 10Y |  |  |  |
|                      | -9.7    | -6.6    | -25.7 | -21.2                  | 3.6 | 4.2 | 7.2 |  |  |  |



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

| Trailing Returns (%) |         |       | An    | %)  |     |      |  |
|----------------------|---------|-------|-------|-----|-----|------|--|
| 1-month              | 3-month | YTD   | 1Y    | 3Y  | 5Y  | 10Y  |  |
| -9.3                 | -4.5    | -24.6 | -17.6 | 7.7 | 8.6 | 11.4 |  |



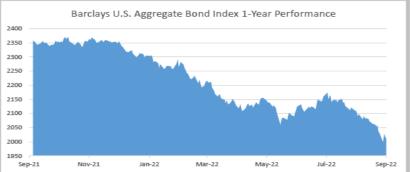
#### **MSCI Emerging Market Index**

| Trail   | ing Returns | (%)   | Annualized Returns (%) |      |      |     |  |  |
|---------|-------------|-------|------------------------|------|------|-----|--|--|
| 1-month | 3-month     | YTD   | 1Y                     | 3Y   | 5Y   | 10Y |  |  |
| -11.7   | -11.6       | -27.2 | -28.1                  | -2.1 | -1.8 | 1.0 |  |  |



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

|     | Trailing Returns (%) |         |       | An    |      |      |     |  |
|-----|----------------------|---------|-------|-------|------|------|-----|--|
| 1-r | nonth                | 3-month | YTD   | 1Y    | 3Y   | 5Y   | 10Y |  |
| -   | 4.3                  | -4.8    | -14.6 | -14.6 | -3.3 | -0.3 | 0.9 |  |

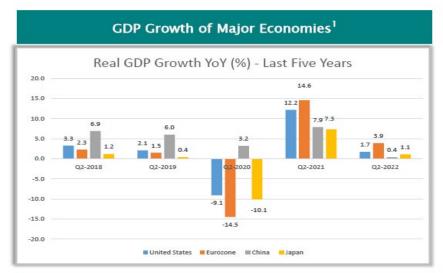


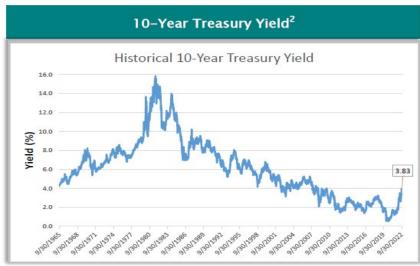
\*Global Equity Policy Benchmark - MSCI ACWI IMI Index

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

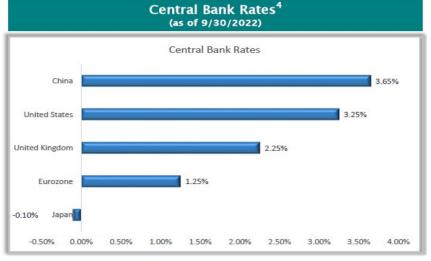
Source: Bloomberg

## **Key Macro Indicators**\*









\*The information on the "Key Macro Indicators" charts is the best available data as of 9/30/22 and may not reflect the current market and economic environment.

1. Bloomberg Sources:

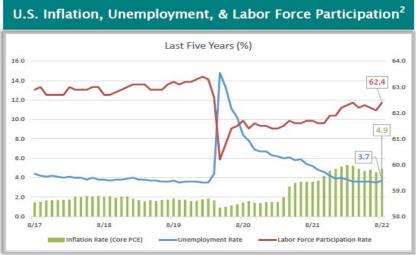
2. St. Louis Federal Reserve

3. FactSet 4. FactSet

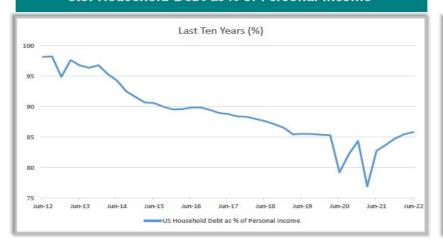


## **Key Macro Indicators**\*

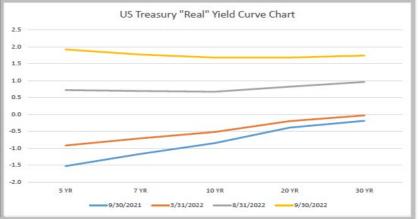








#### U.S. Treasury "Real" Yield Curve4



\*The information on the "Key Macro Indicators" charts is the best available data as of 9/30/22 and may not reflect the current market and economic environment.

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

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## Market Themes and Notable Items to Watch

## **Recent Themes**

- The Federal Reserve raised its benchmark interest rate by 0.75% and indicated it will keep hiking beyond the current level
  - Combating inflation remains a top priority for the Federal Reserve
- Eurostat, the European Union's statistics agency, estimated that annual inflation in the 19-country euro area reached 10.0% in September with energy prices rising 40.8%
- The U.S. 10-year Treasury yield ended September at 3.83%, up from 1.52% at the end of 2021 and 0.93% at the end of 2020
  - 30-year fixed consumer mortgage rates approached 7% at the end of September
- Global equities (MSCI All Country World Investable Market Index) declined 9.7% in September and are now down 25.7% in 2022

#### What to Watch

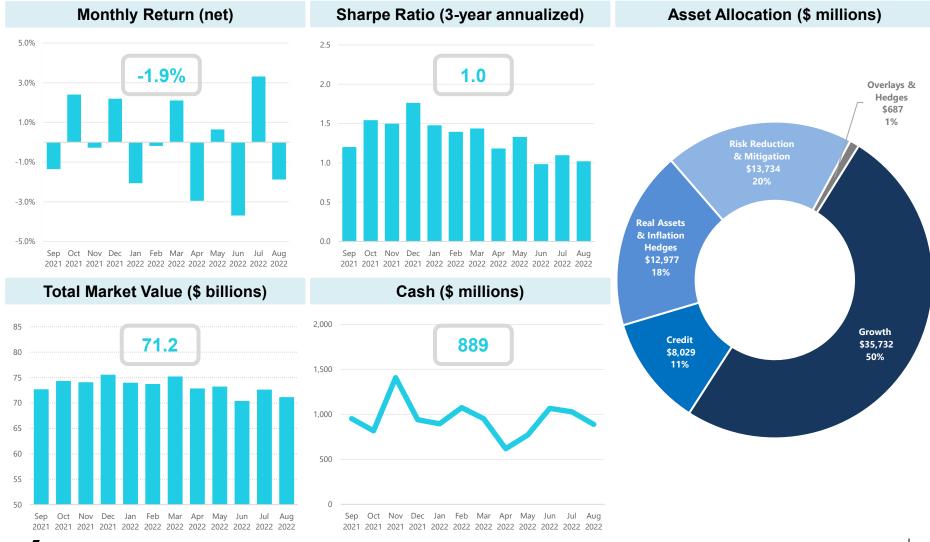
- Interest rates and central bank actions
- Economic data and trends
  - Inflation, supply chains, and labor developments
- Macro conditions and geopolitical risks
- Environmental, social, governance
  - Public Company Accounting Oversight Board and China reach agreement enabling inspection access to audit firms of US-listed companies per 2010 Dodd-Frank law
- Covid-19
  - Covid variants, cases, transmission, vaccines
  - Economic and consumer behavior implications

# Portfolio Performance & Risk Updates



## **Total Fund Summary**

as of August 2022

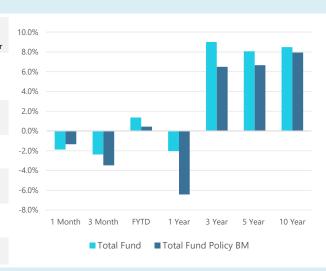


## Historical Net Performance

## as of August 2022

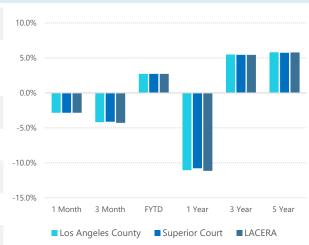
#### **LACERA Pension Fund**

|  | Market<br>Value<br>(\$ millions) | % of<br>Total Fund | Interim<br>Target | 1 Month | 3 Month | FYTD  | 1 Year | 3 Year | 5 Year | 10 Year |
|--|----------------------------------|--------------------|-------------------|---------|---------|-------|--------|--------|--------|---------|
| Total Fund                               | 71,158                           | 100.0%             | 100.0%            | -1.9%   | -2.4%   | 1.4%  | -2.0%  | 9.0%   | 8.1%   | 8.5%    |
| Total Fund Policy BM                     |                                  |                    |                   | -1.3%   | -3.5%   | 0.4%  | -6.4%  | 6.5%   | 6.6%   | 7.9%    |
| 7% Annual Hurdle Rate                    |                                  |                    |                   | 0.6%    | 1.7%    | 1.1%  | 7.0%   | 7.0%   | 7.0%   | 7.0%    |
| Growth                                   | 35,732                           | 50.2%              | 53.0%             | -3.1%   | -3.8%   | 1.1%  | -6.2%  | 13.4%  |        |         |
| Growth Policy BM                         |                                  |                    |                   | -1.9%   | -5.0%   | 0.0%  | -11.4% | 10.4%  |        |         |
| Credit                                   | 8,029                            | 11.3%              | 11.0%             | 0.5%    | -1.9%   | 1.4%  | -4.0%  | 3.4%   |        |         |
| Credit Policy BM                         |                                  |                    |                   | 2.1%    | -2.3%   | 0.5%  | -8.0%  | 1.1%   |        |         |
| Real Assets & Inflation Hedges           | 12,977                           | 18.2%              | 17.0%             | 0.3%    | -1.8%   | 3.3%  | 15.0%  | 9.3%   |        |         |
| Real Assets & Inflation Hedges Policy BM |                                  |                    |                   | -0.9%   | -2.2%   | 2.8%  | 13.5%  | 9.7%   |        |         |
| Risk Reduction & Mitigation              | 13,734                           | 19.3%              | 19.0%             | -2.2%   | -1.7%   | -0.6% | -8.2%  | -0.2%  |        |         |
| Risk Reduction & Mitigation Policy BM    |                                  |                    |                   | -2.1%   | -1.5%   | -0.4% | -8.9%  | -1.1%  |        |         |
| Overlays & Hedges                        | 687                              | 1.0%               |                   | -2.1%   | 56.8%   |       |        |        |        |         |



#### **OPEB Master Trust<sup>1</sup>**

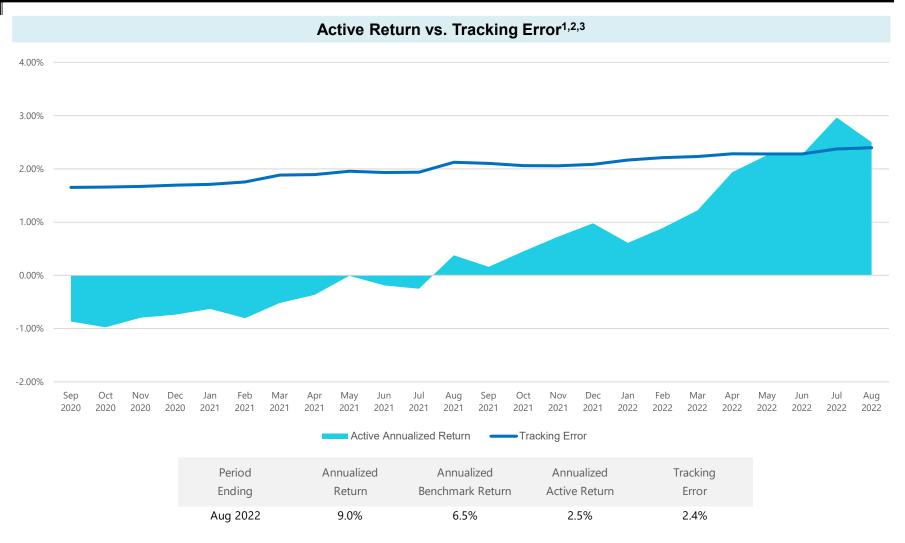
|                                     | Market        |              |         |         |         |       |        |        |        |  |
|-------------------------------------|---------------|--------------|---------|---------|---------|-------|--------|--------|--------|--|
|                                     | Value         | % of         | Interim |         |         |       |        |        |        |  |
|                                     | (\$ millions) | Master Trust | Target  | 1 Month | 3 Month | FYTD  | 1 Year | 3 Year | 5 Year |  |
| OPEB MASTER TRUST                   | 2,459         |              |         | -2.8%   | -4.2%   | 2.7%  | -11.1% | 5.5%   | 5.8%   |  |
| Los Angeles County                  | 2,391         | 97.2%        | _       | -2.8%   | -4.2%   | 2.7%  | -11.1% | 5.5%   | 5.8%   |  |
| Superior Court                      | 57            | 2.3%         | _       | -2.8%   | -4.1%   | 2.7%  | -10.8% | 5.4%   | 5.7%   |  |
| LACERA                              | 11            | 0.5%         | _       | -2.8%   | -4.3%   | 2.7%  | -11.2% | 5.4%   | 5.8%   |  |
| OPEB Growth                         | 1,240         | 50.4%        | 47.5%   | -3.6%   | -5.5%   | 3.3%  | -16.1% | 8.2%   | 7.0%   |  |
| OPEB MT Growth Policy BM            |               |              |         | -3.4%   | -6.1%   | 2.8%  | -16.7% | 7.8%   | 6.6%   |  |
| OPEB Credit                         | 491           | 20.0%        | 19.0%   | -0.1%   | -1.3%   | 3.1%  | -7.4%  | 0.3%   |        |  |
| OPEB MT Credit Policy BM            |               |              |         | 0.3%    | -1.8%   | 2.6%  | -7.9%  | 0.6%   |        |  |
| OPEB Real Assets & Inflation Hedges | 487           | 19.8%        | 20.0%   | -4.0%   | -4.8%   | 2.4%  | -1.6%  | 5.9%   |        |  |
| OPEB MT RA & IH Policy BM           |               |              |         | -1.6%   | -5.4%   | 1.7%  | -2.6%  | 5.5%   |        |  |
| OPEB Risk Reduction & Mitigation    | 241           | 9.8%         | 13.5%   | -2.2%   | -1.5%   | -0.3% | -9.2%  | -1.4%  | 1.3%   |  |
| OPEB MT RR & M Policy BM            |               |              |         | -2.7%   | -1.8%   | -0.6% | -9.5%  | -1.6%  | 1.1%   |  |
| Operational Cash                    | 0             | 0.0%         |         |         |         |       |        |        |        |  |





## **Performance Based Risk**

### as of August 2022



1. Rolling 36 months.

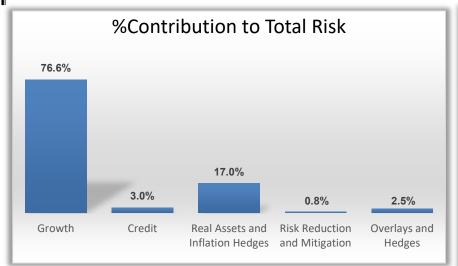
2. Active return equals the difference in return between a portfolio and its benchmark.

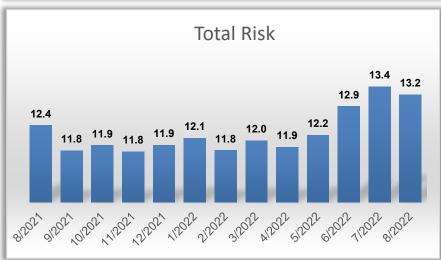
3. Tracking error (or active risk) measures the volatility of active returns.



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

#### as of August 2022





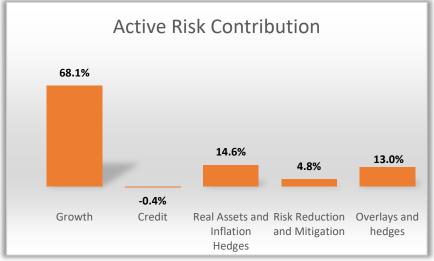
|                                 | %Weight | % Cont. to<br>Total Risk | Standalone<br>Total Risk | Standalone<br>BMK<br>Risk** |
|---------------------------------|---------|--------------------------|--------------------------|-----------------------------|
| Total Fund                      |         |                          | 13.2                     | 12.6                        |
| Growth                          | 50.1%   | 76.6%                    | 20.4                     | 19.3                        |
| Global Equity                   | 31.4%   | 40.9%                    | 18.1                     | 18.3                        |
| Private Equity                  | 17.1%   | 32.8%                    | 28.9                     | 26.9                        |
| Non-Core Private Real Estate    | 1.6%    | 3.0%                     | 37.2                     | 19.5                        |
| Credit                          | 11.2%   | 3.0%                     | 4.7                      | 5.7                         |
| Liquid Credit                   | 6.4%    | 2.3%                     | 6.1                      | 5.7                         |
| Illiquid Credit                 | 4.8%    | 0.8%                     | 4.1                      | 5.7                         |
| Real Assets & Inflation Hedges  | 18.5%   | 17.0%                    | 13.9                     | 13.6                        |
| Core Private Real Estate        | 6.5%    | 7.4%                     | 21.8                     | 19.5                        |
| Natural Resources & Commodities | 4.1%    | 3.5%                     | 16.3                     | 21.1                        |
| Infrastructure                  | 5.1%    | 5.7%                     | 16.8                     | 17.0                        |
| TIPS                            | 2.8%    | 0.5%                     | 6.0                      | 6.0                         |
| Risk Reduction and Mitigation   | 19.2%   | 0.8%                     | 5.5                      | 5.3                         |
| Investment Grade Bonds          | 7.7%    | 0.4%                     | 5.6                      | 5.5                         |
| Diversified Hedge Funds         | 5.7%    | 0.5%                     | 3.9                      | 0.2                         |
| Long-Term Government Bonds      | 4.5%    | -0.1%                    | 12.7                     | 12.7                        |
| Cash                            | 1.3%    | 0.0%                     | -                        | -                           |
| Overlays and Hedges             | 1.0%    | 2.5%                     | -                        | -                           |

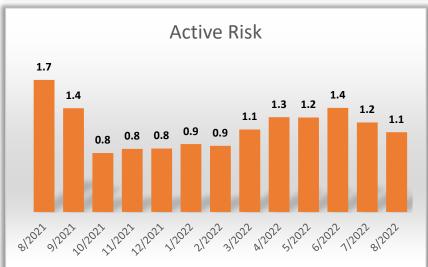
<sup>\*</sup>Implementation of the MSCI Risk Platform is ongoing; reconciliation and refinement of the data is progressing and subject to change. Real estate and private equity data used is as of 3/31/2022

<sup>\*\*</sup>BMK Risk stands for Benchmark Risk

## Total Fund Forecast Active Risk\*

#### as of August 2022





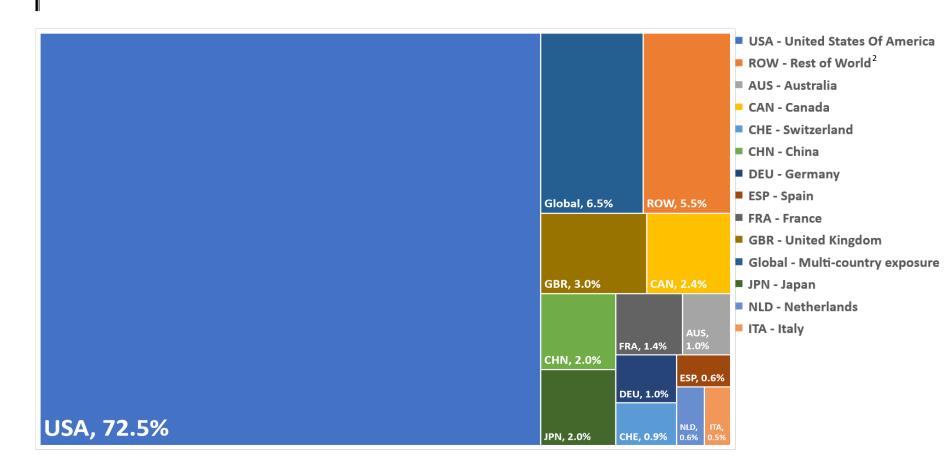
|                                 | %Weight | Active<br>Weight% | Active<br>Risk | Active<br>Risk<br>Allocation | Active Risk<br>Selection |
|---------------------------------|---------|-------------------|----------------|------------------------------|--------------------------|
| Total Fund                      |         |                   | 1.05           | -0.04                        | 1.10                     |
| Growth                          | 50.1%   | -2.89%            | 0.72           | -0.12                        | 0.84                     |
| Global Equity                   | 31.4%   |                   |                |                              |                          |
| Private Equity                  | 17.1%   |                   |                |                              |                          |
| Non-Core Private Real Estate    | 1.6%    |                   |                |                              |                          |
| Credit                          | 11.2%   | 0.20%             | 0.00           | -0.01                        | 0.01                     |
| Liquid Credit                   | 6.4%    |                   |                |                              |                          |
| Illiquid Credit                 | 4.8%    |                   |                |                              |                          |
| Real Assets & Inflation Hedges  | 18.5%   | 1.50%             | 0.15           | -0.04                        | 0.19                     |
| Core Private Real Estate        | 6.5%    |                   |                |                              |                          |
| Natural Resources & Commodities | 4.1%    |                   |                |                              |                          |
| Infrastructure                  | 5.1%    |                   |                |                              |                          |
| TIPS                            | 2.8%    |                   |                |                              |                          |
| Risk Reduction and Mitigation   | 19.2%   | 0.20%             | 0.05           | -0.01                        | 0.06                     |
| Investment Grade Bonds          | 7.7%    |                   |                |                              |                          |
| Diversified Hedge Funds         | 5.7%    |                   |                |                              |                          |
| Long-Term Government Bonds      | 4.5%    |                   |                |                              |                          |
| Cash                            | 1.3%    |                   |                |                              |                          |
| Overlays and Hedges             | 1.0%    | 1.00%             | 0.14           | 0.14                         | -                        |

<sup>\*</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

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## Geographic Exposures by AUM\* - Total Fund

as of August 2022 ex-overlays and hedges



<sup>\*</sup>AUM = assets under management

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

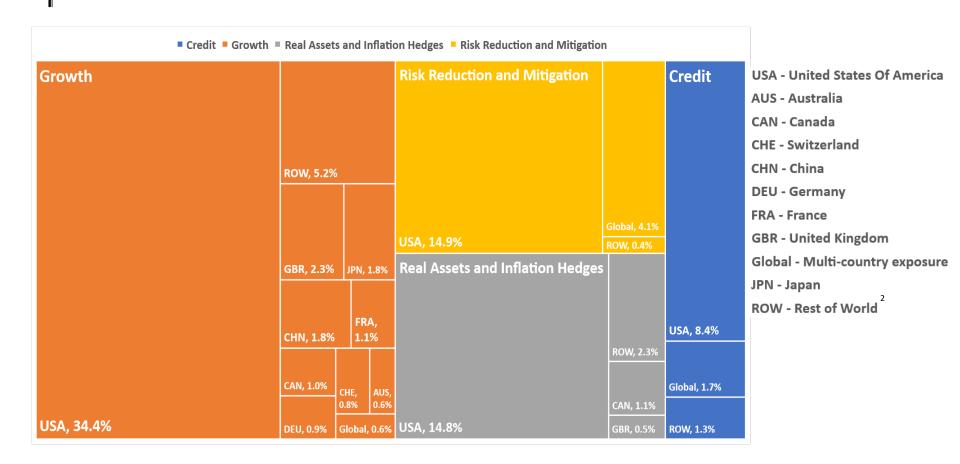


<sup>&</sup>lt;sup>1</sup>\*Implementation of the MSCI Risk Platform is ongoing; reconciliation and refinement of the data is progressing and subject to change. Real estate and private equity data used is as of 3/31/2022

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

## Geographic Exposures by AUM\* - Asset Categories

as of August 2022 ex-overlays and hedges



<sup>\*</sup>AUM = assets under management

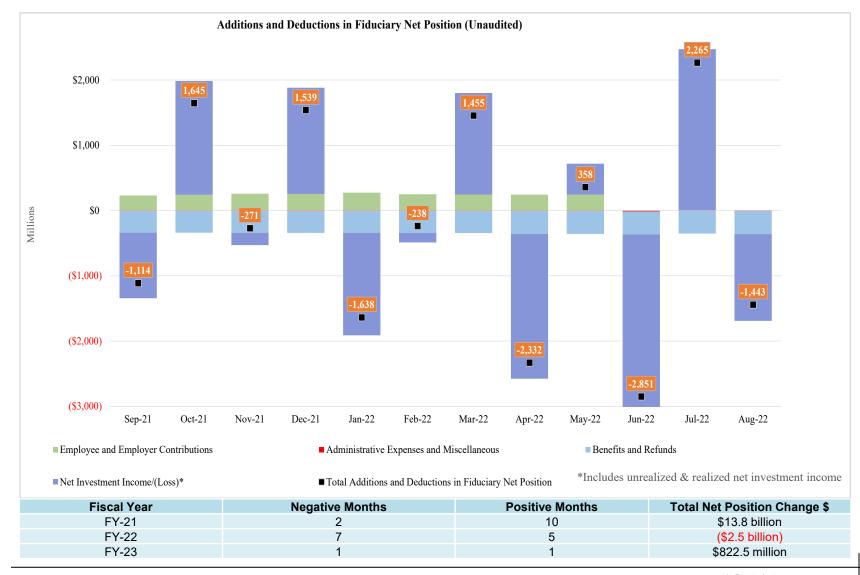
<sup>&</sup>lt;sup>3</sup> Geographic exposure is based on the domicile country of a given security/asset



<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>&</sup>lt;sup>2</sup> "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                      | Aug<br>Return | Aug<br>Gain/(Loss) | Inception <sup>*</sup><br>Gain/(Loss) |
|------------------------------|---------------|--------------------|---------------------------------------|
| Currency<br>Hedge**          | 1.3%          | \$60.4 Million     | \$1.3 Billion                         |
| Cash/Rebalance<br>Overlay*** | -2.7%         | (\$95.6 Million)   | \$209.3 Million                       |

#### **Current Search Activity**

#### Status of Active Searches – Subject to Change

| Name   | RFP<br>Issued | Due<br>Diligence | BOI Review               |
|--|---------------|------------------|--------------------------|
| Global Equity Emerging<br>Separate Account Manager<br>Search | •             |                  | Anticipated October 2022 |

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

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.



# **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
- Annual Work Plan development is underway

#### **Operational Updates**

- Annual contract compliance review underway
- Annual DEI diligence of all investment partners is 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
  - 3 Financial Analyst-III
    - 3 searches in progress
  - 3 Financial Analyst-II

#### **Manager/Consultant Updates**

State Street Global Advisors (SSGA) – Growth – Has named Yie-Hsin Hung as the next head of its asset management business. Yie-Hsin Hung was the CEO of New York Life Investment Management and will begin her new role at SSGA in December. Hung will report to State Street president and CEO Ron O'Hanley and will be part of State Street's executive committee.

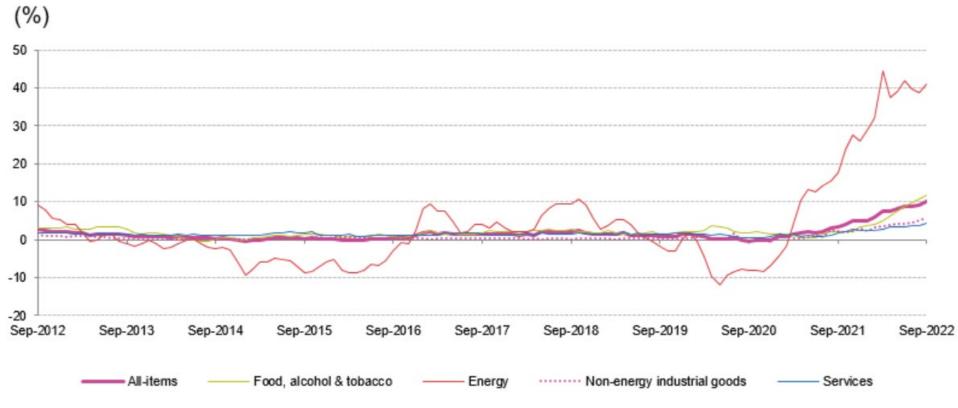


# Commentary



## Staff Chart of the Month Euro Area Annual Inflation and Main Components

Euro area annual inflation and its main components, September 2012 - September 2022 (estimated)

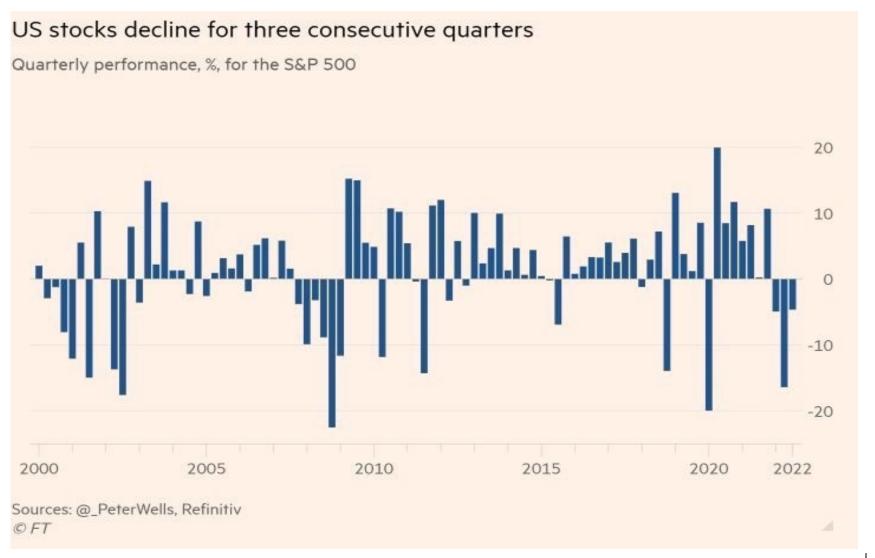


Source: Eurostat (online data code: prc\_hicp\_manr)



## **Staff Chart of the Month\***

## Most Consecutive Quarterly Declines for US Equities Since Global Financial Crisis





## **Staff Chart of the Month\***

## U.S. Dollar Performance Against The Euro, Pound, and Yen

## Performance of select currencies against U.S. dollar



