# Callan

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### November 2023

### Pennsylvania State Employees' Retirement System – 401(a) Plan

Third Quarter 2023

**Executive Summary** 

Thomas H. Shingler Senior Vice President

Britton M. Murdoch Vice President



**Market Environment** 

## Equity Markets Down in 3Q, Following Rebound in First Half of 2023

Stocks and bonds still have ground to make up after declines in 2022

### S&P 500 down 3.3% in 3Q23.

- Loss through first three guarters of 2022 was 23.9%; rebound in the following three quarters reduced the loss to 2.9% by June, but decline in 3Q shows S&P is still over 7% below 1/2022 high-water mark
- Fixed income recovered in first half of 2023 as high inflation began to ease; speculation about interest rate cuts evaporated in 2Q
  - Bloomberg Aggregate: up 3% in 1Q, but declined 0.8% in 2Q and another 3.2% in 3Q as Fed continued to raise rates
  - CPI-U: +3.7% year-over year for 3Q, and still up 5.8% since the start of 2022
- Economic data defied expectations of recession in 2023; GDP growth came in at 2.1% in 1Q and 2.2% in 2Q, and surged to a stunning 4.9% in 3Q
  - Job market remains solid, providing support to Fed efforts to fight inflation

| Returns for Periods ended 9/30/23 |         |       |                 |         |          |          |  |  |  |  |  |  |
|-----------------------------------|---------|-------|-----------------|---------|----------|----------|--|--|--|--|--|--|
|                                   | Quarter | YTD   | Since<br>1/2022 | 5 Years | 10 Years | 25 Years |  |  |  |  |  |  |
| U.S. Equity                       |         |       |                 |         |          |          |  |  |  |  |  |  |
| Russell 3000                      | -3.25   | 12.39 | -5.36           | 9.14    | 11.28    | 8.09     |  |  |  |  |  |  |
| S&P 500                           | -3.27   | 13.07 | -4.30           | 9.92    | 11.91    | 7.92     |  |  |  |  |  |  |
| Russell 2000                      | -5.13   | 2.54  | -10.98          | 2.40    | 6.65     | 8.00     |  |  |  |  |  |  |
| Global ex-U.S. Equity             |         |       |                 |         |          |          |  |  |  |  |  |  |
| MSCI World ex USA                 | -4.10   | 6.73  | -4.97           | 3.44    | 3.84     | 4.98     |  |  |  |  |  |  |
| MSCI Emerging Markets             | -2.93   | 1.82  | -11.12          | 0.56    | 2.07     |          |  |  |  |  |  |  |
| MSCI ACWI ex USA Small Cap        | -1.70   | 5.03  | -9.45           | 2.58    | 4.35     | 7.41     |  |  |  |  |  |  |
| Fixed Income                      |         |       |                 |         |          |          |  |  |  |  |  |  |
| Bloomberg Aggregate               | -3.23   | -1.21 | -8.29           | 0.10    | 1.13     | 3.59     |  |  |  |  |  |  |
| 90-day T-Bill                     | 1.31    | 3.60  | 2.89            | 1.72    | 1.11     | 1.89     |  |  |  |  |  |  |
| Bloomberg Long Gov/Credit         | -9.37   | -5.40 | -19.12          | -1.21   | 1.94     | 4.67     |  |  |  |  |  |  |
| Bloomberg Global Agg ex-US        | -4.00   | -3.20 | -12.79          | -3.10   | -1.73    | 2.04     |  |  |  |  |  |  |
| Real Estate                       |         |       |                 |         |          |          |  |  |  |  |  |  |
| NCREIF Property                   | -1.98   | -5.66 | -0.26           | 5.13    | 7.33     | 8.29     |  |  |  |  |  |  |
| FTSE Nareit Equity                | -7.13   | -2.14 | -15.80          | 2.77    | 5.96     | 8.49     |  |  |  |  |  |  |
| Alternatives                      |         |       |                 |         |          |          |  |  |  |  |  |  |
| CS Hedge Fund Index               | 1.81    | 3.71  | 2.72            | 4.77    | 4.08     | 5.96     |  |  |  |  |  |  |
| Cambridge Private Equity*         | 1.59    | 3.71  | 0.39            | 15.37   | 14.91    | 13.67    |  |  |  |  |  |  |
| Bloomberg Commodity               | 4.71    | -3.44 | 6.74            | 6.13    | -0.75    | 2.45     |  |  |  |  |  |  |
| Gold Spot Price                   | -3.28   | 2.18  | 1.17            | 9.30    | 3.47     | 7.60     |  |  |  |  |  |  |
| Inflation - CPI-U                 | 0.88    | 3.70  | 5.81            | 4.04    | 2.77     | 2.56     |  |  |  |  |  |  |

\*Cambridge PE data as of 2Q23

Sources: Bloomberg, Callan, Cambridge, Credit Suisse, FTSE Russell, MSCI, NCREIF, S&P Dow Jones Indices



## **Diversification Remains Key Risk Control**

### Periodic Table of Investment Returns

| 2004                 | 2005                 | 2006                 | 2007                 | 2008                 | 2009                 | 2010                 | 2011                 | 2012                 | 2013                 | 2014                 | 2015                 | 2016                 | 2017                 | 2018                 | 2019                 | 2020                 | 2021                 | 2022                 | 3 Qtrs.<br>2023      |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Emerging<br>Markets  | Emerging<br>Markets  |                      | Emerging<br>Markets  | U.S. Fixed           | Emerging<br>Markets  | Small Cap            | Real Estate<br>Funds | Emerging<br>Markets  | Small Cap            | Large Cap            | Real Estate<br>Funds | Small Cap            | Emerging<br>Markets  | Real Estate<br>Funds | Large Cap            | Small Cap            | Large Cap            | Real Estate<br>Funds | Large Cap            |
| 25.55%               | 34.00%               | 32.17%               | 39.38%               | 5.24%                | 78.51%               | 26.85%               | 14.96%               | 18.23%               | 38.82%               | 13.69%               | 13.95%               | 21.31%               | 37.28%               | 7.36%                | 31.49%               | 19.96%               | 28.71%               | 6.55%                | 13.07%               |
| Non-U.S.<br>Equity   | Real Estate<br>Funds | Non-U.S.<br>Equity   | Real Estate<br>Funds | Non-U.S.<br>Fixed    | High Yield           |                      | U.S. Fixed           | Non-U.S.<br>Equity   | Large Cap            | Real Estate<br>Funds | Large Cap            | High Yield           | Non-U.S.<br>Equity   | Cash<br>Equivalent   | Small Cap            | Large Cap            | Real Estate<br>Funds | Cash<br>Equivalent   | Non-U.S.<br>Equity   |
| 20.38%               | 20.15%               | 25.71%               | 14.84%               | 4.39%                | 58.21%               | 18.88%               | 7.84%                | 16.41%               | 32.39%               | 11.46%               | 1.38%                | 17.13%               | 24.21%               | 1.87%                | 25.52%               | 18.40%               | 21.02%               | 1.46%                | 6.73%                |
| Small Cap            | Non-U.S.<br>Equity   | Small Cap            | Hedge<br>Funds       | Cash<br>Equivalent   | Non-U.S.<br>Equity   | Real Estate<br>Funds |                      | Small Cap            | Non-U.S.<br>Equity   | U.S. Fixed           | U.S. Fixed           | Large Cap            | Large Cap            | U.S. Fixed           | Non-U.S.<br>Equity   | Emerging<br>Markets  | Small Cap            | Hedge<br>Funds       | High Yield           |
| 18.33%               | 14.47%               | 18.37%               | 12.56%               | 2.06%                | 33.67%               | 15.26%               | 4.98%                | 16.35%               | 21.02%               | 5.97%                | 0.55%                | 11.96%               | 21.83%               | 0.01%                | 22.49%               | 18.31%               | 14.82%               | 1.06%                | 5.86%                |
| Non-U.S.<br>Fixed    | Hedge<br>Funds       | Large Cap            | Non-U.S.<br>Equity   | Real Estate<br>Funds | Small Cap            |                      | Non-U.S.<br>Fixed    | Large Cap            | Real Estate<br>Funds | Small Cap            | Cash<br>Equivalent   | Emerging<br>Markets  | Small Cap            | High Yield           | Emerging<br>Markets  | Non-U.S.<br>Fixed    | Non-U.S.<br>Equity   | High Yield           | Hedge<br>Funds       |
| 12.54%               | 7.61%                | 15.79%               | 12.44%               | -10.70%              | 27.17%               | 15.12%               | 4.36%                | 16.00%               | 12.90%               | 4.89%                | 0.05%                | 11.19%               | 14.65%               | <b>-2.0</b> 8%       | 18.44%               | 10.11%               | 12.62%               | -11.19%              | 3.71%                |
| Real Estate<br>Funds | Large Cap            | Real Estate<br>Funds | Non-U.S.<br>Fixed    | Hedge<br>Funds       | Large Cap            | Large Cap            | Large Cap            | High Yield           | Hedge<br>Funds       | Hedge<br>Funds       | Hedge<br>Funds       | Real Estate<br>Funds | Non-U.S.<br>Fixed    | Non-U.S.<br>Fixed    | High Yield           | Non-U.S.<br>Equity   |                      | U.S. Fixed           | Cash<br>Equivalent   |
| 12.00%               | 4.91%                | 15.27%               | 11.03%               | -19.07%              | 26.47%               | 15.06%               | 2.11%                | 15.81%               | 9.73%                | 4.13%                | -0.71%               | 7.79%                | 10.51%               | -2.15%               | 14.32%               | 7.59%                | 8.23%                | -13.01%              | 3.60%                |
| High Yield           | Small Cap            |                      | U.S. Fixed           | High Yield           | Hedge<br>Funds       |                      | Cash<br>Equivalent   | Real Estate<br>Funds | High Yield           | High Yield           | Non-U.S.<br>Equity   | Non-U.S.<br>Equity   | High Yield           | Hedge<br>Funds       | Hedge<br>Funds       | U.S. Fixed           |                      | Non-U.S.<br>Equity   | Small Cap            |
| 11.13%               | 4.55%                | 13.86%               | 6.97%                | -26.16%              | 18.57%               | 10.95%               | 0.10%                | 9.79%                | 7.44%                | 2.45%                | -3.04%               | 2.75%                | 7.50%                | -3.19%               | 9.31%                | 7.51%                | 5.28%                | -14.29%              | 2.54%                |
| Large Cap            | Cash<br>Equivalent   |                      | Large Cap            | Small Cap            | Non-U.S.<br>Fixed    | Non-U.S.<br>Equity   |                      | Hedge<br>Funds       | Cash<br>Equivalent   | Cash<br>Equivalent   | Small Cap            | U.S. Fixed           | Hedge<br>Funds       | Large Cap            | U.S. Fixed           | High Yield           | Cash<br>Equivalent   | Large Cap            | Emerging<br>Markets  |
| 10.88%               | 3.06%                | 11.85%               | 5.49%                | -33.79%              | 7.53%                | 8.95%                | -2.52%               | 7.67%                | 0.07%                | 0.04%                | -4.41%               | 2.65%                | 7.12%                | -4.38%               | 8.72%                | 7.11%                | 0.05%                | -18.11%              | 1.82%                |
| Hedge<br>Funds       | High Yield           | Non-U.S.<br>Fixed    | Cash<br>Equivalent   | Large Cap            | U.S. Fixed           | U.S. Fixed           | Small Cap            | U.S. Fixed           | U.S. Fixed           | Emerging<br>Markets  | High Yield           | Non-U.S.<br>Fixed    | Real Estate<br>Funds | Small Cap            | Non-U.S.<br>Fixed    | Hedge<br>Funds       | U.S. Fixed           | Non-U.S.<br>Fixed    | U.S. Fixed           |
| 9.64%                | 2.74%                | 8.16%                | 5.00%                | -37.00%              | 5.93%                | 6.54%                | -4.18%               | 4.21%                | -2.02%               | -2.19%               | -4.47%               | 1.49%                | 6.66%                | -11.01%              | 5.09%                | 6.36%                | -1.54%               | -18.70%              | -1.21%               |
| U.S. Fixed           | U.S. Fixed           | Cash<br>Equivalent   | High Yield           | Non-U.S.<br>Equity   | Cash<br>Equivalent   | Non-U.S.<br>Fixed    | Non-U.S.<br>Equity   | Non-U.S.<br>Fixed    | Emerging<br>Markets  | Non-U.S.<br>Fixed    | Non-U.S.<br>Fixed    | Hedge<br>Funds       | U.S. Fixed           | Non-U.S.<br>Equity   | Real Estate<br>Funds | Cash<br>Equivalent   | Emerging<br>Markets  | Emerging<br>Markets  | Non-U.S.<br>Fixed    |
| 4.34%                | 2.43%                | 4.86%                | 1.87%                | -43.56%              | 0.21%                | 4.95%                | -12.21%              | 4.09%                | -2.60%               | -3.09%               | -6.02%               | 1.25%                | 3.54%                | -14.09%              | 4.39%                | 0.67%                | -2.54%               | -20.09%              | -3.20%               |
| Cash<br>Equivalent   | Non-U.S.<br>Fixed    | U.S. Fixed           | Small Cap            | Emerging<br>Markets  | Real Estate<br>Funds | Cash<br>Equivalent   | Emerging<br>Markets  | Cash<br>Equivalent   | Non-U.S.<br>Fixed    | Non-U.S.<br>Equity   | Emerging<br>Markets  | Cash<br>Equivalent   | Cash<br>Equivalent   | Emerging<br>Markets  | Cash<br>Equivalent   | Real Estate<br>Funds | Non-U.S.<br>Fixed    | Small Cap            | Real Estate<br>Funds |
| 1.33%                | -8.65%               | 4.33%                | -1.57%               | -53.33%              | -30.40%              | 0.13%                | -18.42%              | 0.11%                | -3.08%               | -4.32%               | -14.92%              | 0.33%                | 0.86%                | -14.57%              | 2.28%                | 0.34%                | -7.05%               | -20.44%              | -8.14%               |

● Bloomberg Barclays Corp High Yield ● Bloomberg Barclays Global Aggregate ex US ● Bloomberg Barclays US Aggregate

● Credit Suisse Hedge Fund ● ICE BofAML US 3-Month Treasury Bill ● MSCI Emerging Markets ● MSCI World ex USA

● NFI-ODCE (value-weighted net) ● Russell 2000 ● S&P 500

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## **DC Industry Talking Points**

### Roth Catch-Ups, DOL Advisory Opinion, & Litigation

### Implementation of Roth catch-up contributions delayed

- SECURE 2.0 included a provision requiring age-50 catch-up contributions be made on a Roth basis for individuals making more than \$145,000 in the previous year.
- ▶ In August, the IRS delayed implementation of this provision from 2024 to 2026.
- > Plan sponsors, recordkeepers, and payroll providers continue to engage on what and how to implement.

### **DOL Advisory Opinion to Citigroup**

- In October, the DOL issued an Advisory Opinion stating that a program established by Citigroup that involves the payment of fees for diverse asset managers overseeing assets in the firm's retirement plans would not violate ERISA.
- The DOL said that Citigroup's payment of these fees would represent a settlor function, and the inclusion of diverse managers would not violate ERISA as long as plan fiduciaries exercised the same processes and care as with the selection and/or retention of any other asset managers.

### Litigation roundup

- Litigation involving DC plans has continued apace in 2023.
- Common areas targeted by plaintiffs have included the selection and/or retention of investment options (with a recent particular focus on target date funds) and the level and competitiveness of plan fees.
- More recently, several lawsuits have challenged plan fiduciaries' use of forfeitures to offset future employer contributions rather than cover plan expenses. The cases are ongoing.
- > The ongoing pace of litigation reinforces the need for plan fiduciaries to continue managing and reviewing fees, funds, and services.

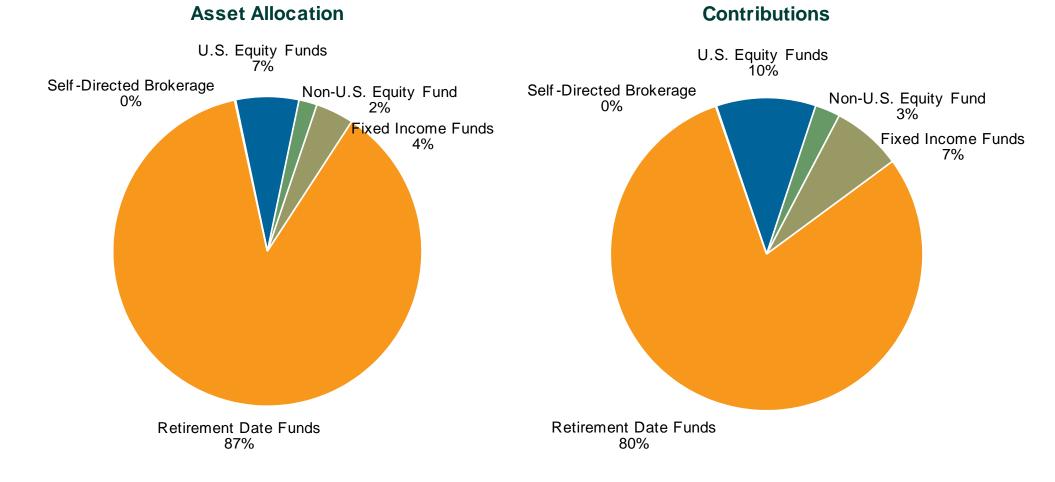


# PA SERS 401(a) Plan Performance Review

## 401(a) Plan Asset Allocation & Contributions

As of September 30, 2023

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### 6

## **Asset Allocation**

## As of September 30, 2023

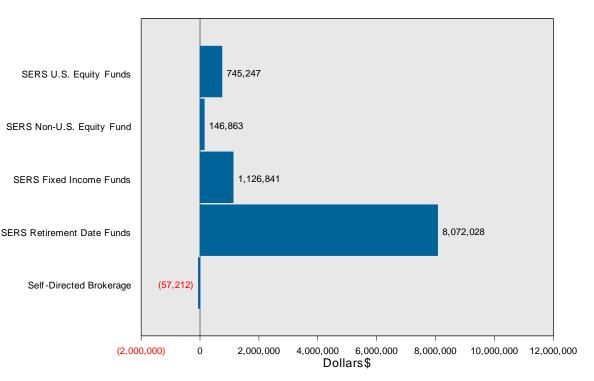
|                                      | September 3   | 0, 2023 |               |                   | June 30, 2    | 2023   |
|--------------------------------------|---------------|---------|---------------|-------------------|---------------|--------|
|                                      | Market Value  | Weight  | Net New Inv.  | Inv. Return       | Market Value  | Weight |
| SERS Retirement Date Funds           | \$132,410,889 | 87.39%  | \$13,136,029  | \$(5,064,001)     | \$124,338,861 | 87.88% |
| SERS Post Retirement Fund            | 1,987,270     | 1.31%   | 155,435       | (68,120)          | 1,899,955     | 1.34%  |
| SERS 2025 Retirement Fund            | 5,300,491     | 3.50%   | 301,644       | (193,416)         | 5,192,263     | 3.67%  |
| SERS 2030 Retirement Fund            | 12,573,140    | 8.30%   | 1,004,966     | (475,129)         | 12,043,304    | 8.51%  |
| SERS 2035 Retirement Fund            | 13,579,373    | 8.96%   | 1,277,409     | (522,265)         | 12,824,228    | 9.06%  |
| SERS 2040 Retirement Fund            | 15,647,380    | 10.33%  | 1,447,432     | (609,045)         | 14,808,993    | 10.47% |
| SERS 2045 Retirement Fund            | 16,341,537    | 10.79%  | 1,614,502     | (641,661)         | 15,368,696    | 10.86% |
| SERS 2050 Retirement Fund            | 17,775,964    | 11.73%  | 1,709,718     | (688,687)         | 16,754,933    | 11.84% |
| SERS 2055 Retirement Fund            | 18,317,721    | 12.09%  | 1,949,525     | (692,472)         | 17,060,668    | 12.06% |
| SERS 2060 Retirement Fund            | 17,052,421    | 11.25%  | 1,795,052     | (645,389)         | 15,902,758    | 11.24% |
| SERS 2065 Retirement Fund            | 13,835,592    | 9.13%   | 1,880,346     | (527,816)         | 12,483,062    | 8.82%  |
| SERS U.S. Equity                     | \$9,976,218   | 6.58%   | \$970,220     | \$(224,973)       | \$9,230,970   | 6.52%  |
| SERS U.S. Large Company Index Fund   | 5,945,730     | 3.92%   | 162,655       | (212,391)         | 5,995,466     | 4.24%  |
| SERS U.S. All Company Index Fund     | 2,145,158     | 1.42%   | (133,666)     | 33,927            | 2,244,896     | 1.59%  |
| SERS U.S. SMID Company Index Fund    | 1,885,330     | 1.24%   | 941,231       | (46,510)          | 990,608       | 0.70%  |
| SERS Non-U.S. Equity                 | \$2,904,613   | 1.92%   | \$272,883     | \$(126.020)       | \$2,757,750   | 1.95%  |
| SERS Global Non-U.S. Index Fund      | 2,904,613     | 1.92%   | 272,883       | (126,020)         | 2,757,750     | 1.95%  |
| SERS Fixed Income                    | \$6,040,186   | 3.99%   | \$(2,370,530) | \$3,497,371       | \$4,913,344   | 3.47%  |
| SERS Short Term Investment Fund      | 3,665,770     | 2.42%   | (2,631,547)   | 3,545,570         | 2,751,747     | 1.94%  |
| SERS U.S. Short Term Bond Index Fund | 570,407       | 0.38%   | (72,543)      | 4,105             | 638,845       | 0.45%  |
| SERS U.S. TIPS Index Fund            | 510,969       | 0.34%   | 128,939       | (11,606)          | 393,636       | 0.28%  |
| SERS U.S. Bond Index Fund            | 1,293,039     | 0.85%   | 204,621       | (40,698)          | 1,129,117     | 0.80%  |
| SERS Self-Directed Brokerage         | \$186,282     | 0.12%   | \$(51,253)    | <b>\$(</b> 5,959) | \$243,493     | 0.17%  |
| Total Fund                           | \$151,518,187 | 100.0%  | \$11,957,349  | \$(1,923,581)     | \$141,484,418 | 100.0% |

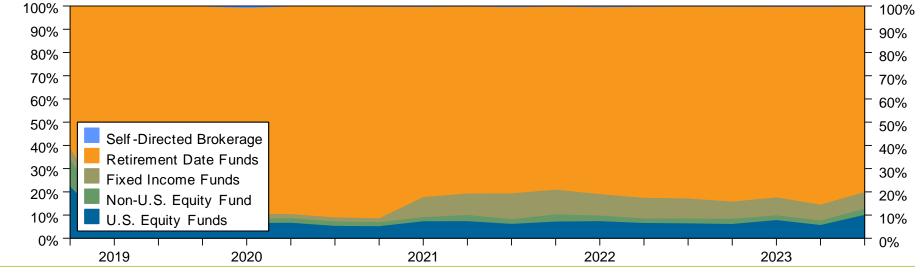
## **Changes in Market Values and Contributions**

### As of September 30, 2023

- The chart to the right shows the change in fund values across the various investment options for the quarter ended September 30, 2023. The change in value for each fund is the result of a combination of 3 factors.
- 1. Market movements
- 2. Contributions or disbursements into or out of the fund by the participants (and any matching done by the company)
- 3. Transfers between funds by the participants.

### **Historical Allocation of Contributions**

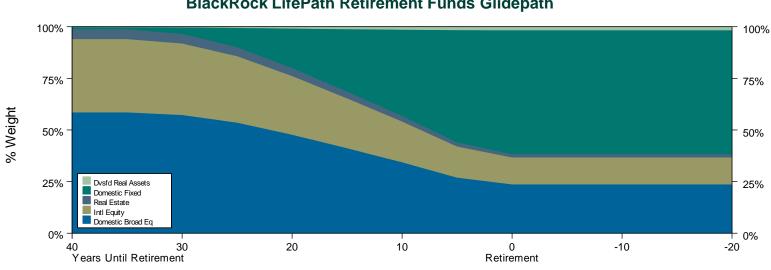




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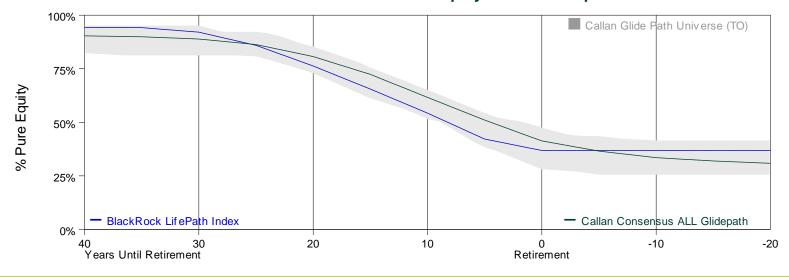
### **Blackrock LifePath Retirement Funds**

### Glidepath and Equity Rolldown Exposure as of September 30, 2023



### BlackRock LifePath Retirement Funds Glidepath

BlackRock LifePath Retirement Funds Equity Rolldown Exposure



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### As of September 30, 2023 Year Last Last Last to Last 3 5 Quarter Date Year Years Years Net Performance **Target Date Funds** SERS Post Retirement Fund (3.37%)2.61% 7.42% 0.01% 2.94% (3.30%)2.52% 7.39% 0.04% 2.94% BlackRock Post Retirement Index Callan Tgt Date Ret Inc (2.72%)2.70% 7.08% 0.09% 2.61% SERS 2025 Retirement Fund 3.07% 3.36% (3.55%)8.52% 1.06% BlackRock 2025 Index (3.47%)2.97% 8.43% 1.07% 3.34% (3.12%)3.68% Callan Target Date 2025 4.11% 10.05% 2.06% SERS 2030 Retirement Fund (3.68%)4.37% 11.09% 2.47% 4.12% BlackRock 2030 Index (3.57%)4.32% 11.00% 2.49% 4.09% Callan Target Date 2030 (3.34%)4.99% 11.90% 2.98% 4.19% SERS 2035 Retirement Fund (3.74%)5.63% 3.83% 4.83% 13.54% BlackRock 2035 Index (3.60%)5.60% 13.40% 3.83% 4.79% Callan Target Date 2035 (3.54%)5.92% 13.94% 4.09% 4.82% SERS 2040 Retirement Fund (3.79%)6.86% 15.94% 5.07% 5.46% BlackRock 2040 Index (3.63%)6.85% 15.75% 5.05% 5.41% 5.23% Callan Target Date 2040 (3.62%)6.87% 15.84% 5.07% SERS 2045 Retirement Fund (3.80%)7.98% 18.11% 6.10% 6.02% BlackRock 2045 Index (3.61%)8.00% 17.91% 6.07% 5.94% Callan Target Date 2045 (3.74%)7.61% 17.13% 5.69% 5.58% SERS 2050 Retirement Fund (3.72%)8.74% 19.45% 6.69% 6.35% BlackRock 2050 Index (3.51%)8.79% 19.22% 6.64% 6.27% Callan Target Date 2050 (3.76%)7.92% 17.79% 5.94% 5.65% SERS 2055 Retirement Fund (3.65%)9.03% 19.87% 6.83% 6.44% BlackRock 2055 Index 9.09% 19.66% 6.80% 6.37% (3.44%)Callan Target Date 2055 (3.75%)8.04% 18.03% 6.01% 5.78% 6.43% SERS 2060 Retirement Fund (3.66%)9.03% 19.88% 6.82% BlackRock 2060 Index (3.44%)9.09% 6.79% 6.37% 19.67% Callan Target Date 2060 (3.76%)8.03% 18.02% 6.10% 5.76% SERS 2065 Retirement Fund (3.67%)9.06% 19.89% 6.79% -BlackRock 2065 Index (3.45%)9.09% 19.68% 6.79% Callan Target Date 2065 (3.81%)8.32% 18.30% 5.93% 5.92%

Note: SERS Funds are the top fund in each grouping followed by each fund's respective benchmark and median peer.



## As of September 30, 2023

| I 30, 2023                      |           |            |            |            |
|---------------------------------|-----------|------------|------------|------------|
|                                 | Last<br>7 | Last<br>10 | Last<br>15 | Last<br>20 |
|                                 | Years     | Years      | Years      | Years      |
| Net Performance                 |           |            |            |            |
| Farget Date Funds               |           |            |            |            |
| SERS Post Retirement Fund       | 3.58%     | 3.88%      | 4.95%      | -          |
| BlackRock Post Retirement Index | 3.56%     | 3.86%      | 4.94%      | 4.94%      |
| Callan Tgt Date Ret Inc         | 3.14%     | 3.43%      | 4.43%      | 3.55%      |
| SERS 2025 Retirement Fund       | 4.61%     | 4.80%      | 5.76%      | -          |
| BlackRock 2025 Index            | 4.56%     | 4.75%      | 5.74%      | 5.79%      |
| Callan Target Date 2025         | 5.06%     | 5.29%      | 6.22%      | -          |
| SERS 2030 Retirement Fund       | 5.53%     | 5.52%      | 6.32%      | -          |
| BlackRock 2030 Index            | 5.47%     | 5.45%      | 6.29%      | 6.23%      |
| Callan Target Date 2030         | 5.83%     | 5.91%      | 6.76%      | 6.49%      |
| SERS 2035 Retirement Fund       | 6.42%     | 6.19%      | 6.84%      | -          |
| BlackRock 2035 Index            | 6.34%     | 6.11%      | 6.79%      | 6.62%      |
| Callan Target Date 2035         | 6.61%     | 6.44%      | 7.30%      | -          |
| SERS 2040 Retirement Fund       | 7.20%     | 6.79%      | 7.29%      | -          |
| BlackRock 2040 Index            | 7.10%     | 6.68%      | 7.22%      | 6.95%      |
| Callan Target Date 2040         | 7.18%     | 6.83%      | 7.65%      | 7.09%      |
| SERS 2045 Retirement Fund       | 7.80%     | 7.26%      | 7.65%      | -          |
| BlackRock 2045 Index            | 7.68%     | 7.13%      | 7.56%      | 7.27%      |
| Callan Target Date 2045         | 7.60%     | 7.21%      | 7.73%      | -          |
| SERS 2050 Retirement Fund       | 8.10%     | 7.51%      | 7.94%      | -          |
| BlackRock 2050 Index            | 7.98%     | 7.39%      | 7.87%      | 7.57%      |
| Callan Target Date 2050         | 7.70%     | 7.30%      | 7.79%      | -          |
| SERS 2055 Retirement Fund       | 8.17%     | 7.58%      | -          | -          |
| BlackRock 2055 Index            | 8.06%     | 7.47%      | -          | -          |
| Callan Target Date 2055         | 7.78%     | 7.41%      | 8.28%      | -          |
| SERS 2060 Retirement Fund       | 8.15%     | -          | -          | -          |
| BlackRock 2060 Index            | 8.06%     | -          | -          | -          |
| Callan Target Date 2060         | 7.85%     | 7.65%      | -          | -          |

Note: SERS Funds are the top fund in each grouping followed by each fund's respective benchmark and median peer.

Funds not listed do not have longer term history.



### As of September 30, 2023

|                                    | Last<br>Quarter | Year<br>to<br>Date | Last<br>Year | Last<br>3<br>Years | Last<br>5<br>Years |
|------------------------------------|-----------------|--------------------|--------------|--------------------|--------------------|
| Net Performance                    |                 |                    |              |                    |                    |
| Domestic Equity                    |                 |                    |              |                    |                    |
| SERS U.S. Large Company Index Fun  | d (3.27%)       | 13.07%             | 21.61%       | 10.15%             | 9.93%              |
| S&P 500 Index                      | (3.27%)         | 13.07%             | 21.62%       | 10.15%             | 9.92%              |
| Callan Lg Cap Broad MF             | (3.12%)         | 13.10%             | 21.47%       | 8.76%              | 8.61%              |
| SERS U.S. All Company Index Fund   | 1.31%           | 12.38%             | 20.45%       | 9.33%              | 9.10%              |
| Russell 3000 Index                 | (3.25%)         | 12.39%             | 20.46%       | 9.38%              | 9.14%              |
| Callan Multi Cap Brd MF            | (3.28%)         | 8.75%              | 18.33%       | 8.32%              | 7.16%              |
| SERS U.S. SMID Company Idx Fund    | (3.36%)         | 8.90%              | 14.62%       | 5.01%              | 4.70%              |
| Dow Jones US Completion            | (3.38%)         | 8.76%              | 14.26%       | 4.57%              | 4.40%              |
| Callan SMID Broad MFs              | (5.20%)         | 4.26%              | 12.91%       | 6.96%              | 4.44%              |
| International Equity               |                 |                    |              |                    |                    |
| SERS Global Non-U.S. Index Fund    | (4.09%)         | 5.60%              | 20.89%       | 3.89%              | 2.81%              |
| MSCI ACWI ex US                    | (3.77%)         | 5.34%              | 20.39%       | 3.74%              | 2.58%              |
| Callan Non US Equity MFs           | (5.13%)         | 6.64%              | 23.88%       | 5.25%              | 3.07%              |
| Domestic Fixed Income              |                 |                    |              |                    |                    |
| SERS Short Term Investment Fund    | 1.28%           | 3.63%              | 4.57%        | 1.77%              | 1.77%              |
| 3-month Treasury Bill              | 1.31%           | 3.60%              | 4.47%        | 1.70%              | 1.72%              |
| Callan Cash Database(1)            | 1.36%           | 3.80%              | 4.77%        | 1.80%              | 1.87%              |
| SERS U.S. Short Term Bond Idx Fund | 0.73%           | 1.85%              | 2.75%        | (0.74%)            | 1.20%              |
| Blmbg Gov/Cred 1-3 Yr              | 0.73%           | 1.87%              | 2.77%        | (0.72%)            | 1.21%              |
| Callan Short US Govt MFs           | 0.23%           | 1.31%              | 2.05%        | (1.53%)            | 0.57%              |
| SERS U.S. TIPS Index Fund          | (2.59%)         | (0.77%)            | 1.29%        | (1.97%)            | 2.12%              |
| Blmbg US TIPS                      | (2.60%)         | (0.78%)            | 1.25%        | (1.98%)            | 2.12%              |
| Callan TIPS MFs                    | (2.57%)         | (0.64%)            | 1.36%        | (2.06%)            | 1.98%              |
| SERS U.S. Bond Index Fund          | (3.24%)         | (1.21%)            | 0.66%        | (5.22%)            | 0.10%              |
| Blmbg Aggregate                    | (3.23%)         | (1.21%)            | 0.64%        | (5.21%)            | 0.10%              |
| Callan Core Bond MFs               | (3.05%)         | (0.72%)            | 0.93%        | (4.97%)            | 0.35%              |

(1) Callan Cash Database includes STIF, enhanced cash, and money market funds.



### As of September 30, 2023

|                                    | Last<br>7<br>Years | Last<br>10<br>Years | Last<br>15<br>Years | Last<br>20<br>Years |
|------------------------------------|--------------------|---------------------|---------------------|---------------------|
| Net Performance                    |                    |                     | Tears               |                     |
| Domestic Equity                    |                    |                     |                     |                     |
| SERS U.S. Large Company Index Fund | 12.25%             | 11.93%              | 11.31%              | 9.76%               |
| S&P 500 Index                      | 12.24%             | 11.91%              | 11.28%              | 9.72%               |
| Callan Lg Cap Broad MF             | 11.48%             | 10.95%              | 10.73%              | 9.56%               |
| SERS U.S. All Company Index Fund   | 11.60%             | 11.26%              | -                   | -                   |
| Russell 3000 Index                 | 11.64%             | 11.28%              | 11.05%              | 9.68%               |
| Callan Multi Cap Brd MF            | 10.00%             | 9.21%               | 9.74%               | 8.87%               |
| SERS U.S. SMID Company ldx Fund    | 8.25%              | 8.03%               | 9.85%               | 9.52%               |
| Dow Jones US Completion            | 7.97%              | 7.79%               | 9.63%               | 9.28%               |
| Callan SMID Broad MFs              | 8.56%              | 7.76%               | 9.55%               | 9.01%               |
| nternational Equity                |                    |                     |                     |                     |
| SERS Global Non-U.S. Index Fund    | 4.95%              | 3.57%               | -                   | -                   |
| MSCI ACWI ex US                    | 4.74%              | 3.35%               | 4.31%               | 6.02%               |
| Callan Non US Equity MFs           | 5.03%              | 3.66%               | 5.10%               | 6.22%               |
| Domestic Fixed Income              |                    |                     |                     |                     |
| SERS Short Term Investment Fund    | 1.66%              | 1.23%               | 0.96%               | 1.55%               |
| 3-month Treasury Bill              | 1.55%              | 1.11%               | 0.80%               | 1.41%               |
| Callan Cash Database(1)            | 1.72%              | 1.38%               | 1.19%               | 1.76%               |
| Blmbg Gov/Cred 1-3 Yr              | 0.99%              | 1.02%               | 1.52%               | 1.96%               |
| Callan Short US Govt MFs           | 0.42%              | 0.63%               | 1.30%               | 1.81%               |
| BImbg US TIPS                      | 1.46%              | 1.74%               | 2.92%               | 3.47%               |
| Callan TIPS MFs                    | 1.42%              | 1.56%               | 2.76%               | 3.18%               |
| SERS U.S. Bond Index Fund          | (0.10%)            | 1.11%               | 2.47%               | 2.81%               |
| Blmbg Aggregate                    | (0.09%)            | 1.13%               | 2.53%               | 2.85%               |
| Callan Core Bond MFs               | 0.20%              | 1.32%               | 2.99%               | 3.05%               |

(1) Callan Cash Database includes STIF, enhanced cash, and money market funds. \*Funds not listed do not have longer term history.



## Performance Summary & Expense Ratios as of September 30, 2023

| Investment Manager  | Last<br>Quarter<br>Return  | Last<br>Year<br>Return | 3<br>Year<br>Return | 5<br>Year<br>Return   | 7<br>Year<br>Return | 10<br>Year<br>Return | 5 Year<br>Return<br>Consister | <br>Expense<br>Ratio  |
|---|--|------------------------|---------------------|-----------------------|---------------------|----------------------|-------------------------------|---|
| Net of Fee Performance  |  |                        |                     |                       |                     |                      |                               |   |
| Target Date Funds   |  |                        |                     |                       |                     |                      |                               |   |
| SERS Post Retirement Fund<br>Callan Tgt Date Ret Inc          | <b>-3.4</b> 88   | <b>7.4</b> 36          | <b>0.0</b> 52       | <b>2.9</b> 28         | <b>3.6</b> 22       | <b>3.9</b> 19        |                               | <b>0.08</b> 73  |
| BlackRock Post Retirement Index                               | -3.3 85  | 7.4 37                 | 0.0 51              | 2.9 28                | 3.6 23              | 3.9 20               |                               |   |
| SERS 2025 Retirement Fund<br>Callan Target Date 2025          | <b>-3.5</b> 79   | <b>8.5</b> 83          | <b>1.1</b> 84       | <b>3.4</b> 68         | <b>4.6</b> 76       | <b>4.8</b> 74        |                               | <b>0.08</b> 72  |
| BlackRock 2025 Index  | -3.5 77  | 8.4 85                 | 1.1 84              | 3.3 69                | 4.6 77              | 4.8 80               |                               |   |
| SERS 2030 Retirement Fund<br>Callan Target Date 2030          | <b>-3.7</b> 74   | <b>11.1</b> 74         | <b>2.5</b> 76       | <b>4.1</b> 55         | <b>5.5</b> 74       | <b>5.5</b> 74        |                               | <b>0.08</b> 70  |
| BlackRock 2030 Index  | -3.6 66  | 11.0 76                | 2.5 74              | 4.1 57                | 5.5 76              | 5.5 78               |                               |   |
| SERS 2035 Retirement Fund                                     | <b>-3.7</b> 69   | <b>13.5</b> 63         | <b>3.8</b> 63       | <b>4.8</b> 49         | <b>6.4</b> 63       | <b>6.2</b> 72        |                               | <b>0.08</b> 72  |
| Callan Target Date 2035<br>BlackRock 2035 Index               | <b>-3.6</b> 56   | 13.4 69                | 3.8 63              | 4.8 51                | 6.3 69              | 6.1 77               |                               |   |
| SERS 2040 Retirement Fund<br>Callan Target Date 2040          | <b>-3.8</b> 69   | <b>15.9</b> 46         | <b>5.1</b> 50       | <b>5.5</b> 31         | <b>7.2</b> 49       | <b>6.8</b> 56        |                               | <b>0.08</b> 68  |
| BlackRock 2040 Index  | -3.6 50  | 15.8 54                | 5.0 51              | 5.4 33                | 7.1 58              | 6.7 71               |                               |   |
| SERS 2045 Retirement Fund<br>Callan Target Date 2045          | <b>-3.8</b> 60   | <b>18.1</b> 22         | <b>6.1</b> 33       | <b>6.0</b> 23         | <b>7.8</b> 29       | <b>7.3</b> 45        |                               | <b>0.08</b> 72  |
| BlackRock 2045 Index  | -3.6 33  | 17.9 28                | 6.1 34              | 5.9 25                | 7.7 40              | 7.1 52               |                               |   |
| SERS 2050 Retirement Fund<br>Callan Target Date 2050          | <b>-3.7</b> 46   | <b>19.4</b> 6          | <b>6.7</b> 16       | <b>6.3</b> 12         | <b>8.1</b> 21       | <b>7.5</b> 39        |                               | <b>0.08</b> 68  |
| BlackRock 2050 Index  | -3.5 25  | 19.2 16                | 6.6 20              | <b>6.3</b> 15         | 8.0 31              | 7.4 46               |                               |   |
| SERS 2055 Retirement Fund<br>Callan Target Date 2055          | <b>-3.7</b> 30   | <b>19.9</b> 6          | <b>6.8</b> 12       | <b>6.4</b> 9          | <b>8.2</b> 17       | <b>7.6</b> 42        |                               | <b>0.08</b> 72  |
| BlackRock 2055 Index  | -3.4 18  | 19.7 12                | 6.8 13              | 6.4 10                | <b>8.1</b> 31       | 7.5 48               |                               |   |
| SERS 2060 Retirement Fund<br>Callan Target Date 2060          | <b>-3.7</b> 35   | <b>19.9</b> 10         | <b>6.8</b> 13       | <b>6.4</b> 12         | <b>8.2</b> 26       |                      |                               | <b>0.08</b> 75  |
| BlackRock 2060 Index  | -3.4 21  | 19.7 13                | 6.8 14              | 6.4 14                | 8.1 40              |                      |                               |   |
| Returns:<br>above median<br>third quartile<br>fourth quartile | Return Consistend<br>above median<br>third quartile<br>fourth quartile | cy:                    |                     | Risk<br>Return<br>Ris | c Quadrant:         |                      |                               | Expense Ratio:<br>below median<br>second quartile<br>first quartile |

Note: For returns, each SERS Fund and corresponding benchmark return are shown with their respective peer group rankings. For returns, lower peer group rankings are more desirable (e.g. 25th percentile equates to top quartile performance). Expense Ratio: Higher peer group rankings are more desirable (e.g. 75th percentile equates to bottom quartile/cheapest fees).

## Performance Summary & Expense Ratios as of September 30, 2023

| Investment Manager   | Last<br>Quarter<br>Return                           | Last<br>Year<br>Return | 3<br>Year<br>Return | 5<br>Year<br>Return | 7<br>Year<br>Return | 10<br>Year<br>Return | 5 Year<br>Return<br>Consistenc | 5 Year<br>Risk<br>yQuadrant | Expense<br>Ratio                                 |
|--|---|------------------------|---------------------|---------------------|---------------------|----------------------|--------------------------------|-----------------------------|--|
| SERS 2065 Retirement Fund<br>Callan Target Date 2065               | <b>-3.7</b> 35                                      | <b>19.9</b> 13         | <b>6.8</b> 19       |                     |                     |                      |                                |                             | <b>0.08</b> 53                                   |
| BlackRock 2065 Index   | -3.4 18   | 19.7 16                | <b>6.8</b> 19       |                     |                     |                      |                                |                             |  |
| Domestic Equity  |   |                        |                     |                     |                     |                      |                                |                             |  |
| SERS U.S. Large Company Stock Index Fund<br>Callan Lg Cap Broad MF | <b>-3.3</b> 57                                      | <b>21.6</b> 50         | <b>10.2</b> 39      | <b>9.9</b> 30       | <b>12.2</b> 43      | <b>11.9</b> 34       |                                |                             | <b>0.02</b> 100                                  |
| S&P 500 Index  | -3.3 57   | 21.6 50                | 10.2 39             | 9.9 31              | 12.2 43             | 11.9 35              |                                |                             |  |
| SERS U.S. All Company Index Fund<br>Callan Multi Cap Brd MF        | <b>1.3</b> 1  | <b>20.5</b> 37         | <b>9.3</b> 41       | <b>9.1</b> 24       | <b>11.6</b> 28      | <b>11.3</b> 20       |                                |                             | 0.03 99  |
| Russell 3000 Index   | -3.3 49   | 20.5 37                | 9.4 41              | 9.1 24              | 11.6 27             | 11.3 20              |                                |                             |  |
| U.S. Small/Mid Company Stock Index Fund<br>Callan SMID Broad MFs   | <b>-3.4</b> 25                                      | <b>14.6</b> 33         | <b>5.0</b> 58       | <b>4.7</b> 46       | <b>8.2</b> 56       | <b>8.0</b> 41        |                                |                             | <b>0.03</b> 98                                   |
| Dow Jones US Completion  | -3.4 26   | 14.3 40                | 4.6 61              | 4.4 52              | 8.0 59              | 7.8 49               |                                |                             |  |
| International Equity   |   |                        |                     |                     |                     |                      |                                | 97                          |  |
| SERS Global Non-U.S. Index Fund<br>Callan Non US Equity MFs        | <b>-4.1</b> 38                                      | <b>20.9</b> 70         | <b>3.9</b> 52       | <b>2.8</b> 56       | <b>5.0</b> 53       | <b>3.6</b> 54        |                                |                             | 0.05 99  |
| MSCI ACWI ex US  | -3.8 31   | 20.4 70                | 3.7 <sub>53</sub>   | 2.6 65              | 4.7 59              | 3.3 68               |                                |                             |  |
| Domestic Fixed income  |   |                        |                     |                     |                     |                      |                                |                             |  |
| SERS Short Term Investment Fund<br>Callan Cash Database            | <b>1.3</b> 74                                       | <b>4.6</b> 68          | <b>1.8</b> 55       | <b>1.8</b> 76       | <b>1.7</b> 66       | <b>1.2</b> 77        |                                |                             | <b>0.00</b> 100                                  |
| 3-month Treasury Bill  | 1.3 72  | 4.5 69                 | 1.7 57              | 1.7 83              | 1.5 83              | 1.1 91               |                                |                             |  |
| Comments: Callan Cash Database includes                            | STIF, enhanced                                      | cash, and n            | noney mark          | et funds.           |                     |                      | _                              | 1                           |  |
| SERS U.S. Short Term Bond Idx Fund<br>Callan Short US Govt MFs     | <b>0.7</b> 15                                       | <b>2.8</b> 17          | <b>-0.7</b> 21      | <b>1.2</b> 11       |                     |                      |                                |                             | <b>0.02</b> 100                                  |
| Blmbg Gov/Cred 1-3 Yr  | 0.7 15  | 2.8 17                 | -0.7 19             | 1.2 11              | <b>1.0</b> 10       | 1.0 12               |                                |                             |  |
| SERS U.S. TIPS Index Fund<br>Callan TIPS MFs                       | <b>-2.6</b> 54                                      | <b>1.3</b> 53          | <b>-2.0</b> 40      | <b>2.1</b> 35       |                     |                      |                                |                             | <b>0.02</b> 99                                   |
| Blmbg US TIPS  | -2.6 55   | 1.2 56                 | -2.0 40             | 2.1 35              | 1.5 40              | 1.7 23               |                                |                             |  |
| above median<br>third quartile                                     | Return Consistend<br>above median<br>third quartile | cy:                    |                     | Ris Retrum          | k Quadrant:         |                      |                                |                             | xpense Ratio:<br>below median<br>second quartile |
| fourth quartile  | fourth quartile                                     |                        |                     | Ris                 | sk                  |                      |                                |                             | first quartile                                   |

Note: For returns, each SERS Fund and corresponding benchmark return are shown with their respective peer group rankings. For returns, lower peer group rankings are more desirable (e.g. 25th percentile equates to top quartile performance). Expense Ratio: Higher peer group rankings are more desirable (e.g. 75th percentile equates to bottom quartile/cheapest fees).

## Performance Summary & Expense Ratios as of September 30, 2023

| Investment Manager   |                    | Last<br>Quarter<br>Return | Last<br>Year<br>Return | 3<br>Year<br>Return | 5<br>Year<br>Return     | 7<br>Year<br>Return | 10<br>Year<br>Return    | 5 Year<br>Return<br>Consister |   | Expense<br>Ratio  |
|--|--------------------|---------------------------|------------------------|---------------------|-------------------------|---------------------|-------------------------|-------------------------------|---|---|
| SERS U.S. Bond Index Fund<br>Callan Core Bond MFs<br>BImbg Aggregate |                    | -3.2 71<br>-3.2 71        | <b>0.7</b> 76 0.6 76   | -5.2 70<br>-5.2 69  | <b>0.1</b> 75<br>0.1 75 | -0.1 85<br>-0.1 84  | <b>1.1</b> 79<br>1.1 79 |                               |   | <b>0.02</b> 98  |
| Returns:<br>above median<br>third quartile<br>fourth quartile        | above<br>third que |                           | :y:                    |                     | Risk<br>Refuru<br>Ris   | c Quadrant:         |                         |                               | I | Expense Ratio:<br>below median<br>second quartile<br>first quartile |

Note: For returns, each SERS Fund and corresponding benchmark return are shown with their respective peer group rankings. For returns, lower peer group rankings are more desirable (e.g. 25th percentile equates to top quartile performance). Expense Ratio: Higher peer group rankings are more desirable (e.g. 75th percentile equates to bottom quartile/cheapest fees).

# 401(a) Plan Investment Structure

## Lineup Mapped to Callan's Clean Sheet

| Conservative | Tier I: Asset Allocation | Tier II: Passive Core Options       | Tier II: Active Core Options | Tier III: Specialty Options    |
|--------------|--------------------------|-------------------------------------|------------------------------|--------------------------------|
| Δ.           | Target Date Funds        |                                     | Capital Preservation         |                                |
|              | raiget Date Funds        |                                     |                              |                                |
|              |                          |                                     | Short Term Investment Fund   |                                |
|              |                          |                                     |                              |                                |
|              |                          | Core Fixed Income                   |                              |                                |
|              |                          | U.S. Short Term Bond Index Fund     |                              |                                |
|              |                          | U.S. TIPS Index Fund                |                              |                                |
|              |                          | U.S. Bond Index Fund                |                              |                                |
|              |                          |                                     |                              |                                |
|              |                          | Large-Cap US Equity                 |                              |                                |
|              |                          | U.S. Large Co. Stock Index Fund     |                              |                                |
|              |                          | U.S. All Company Index Fund         |                              |                                |
|              |                          |                                     |                              |                                |
|              |                          | Non-US Equity                       |                              |                                |
|              |                          | Global Non-U.S. Stock Index Fund    |                              |                                |
| V            |                          |                                     |                              |                                |
| ₹            |                          | Small/Mid-Cap US Equity             |                              |                                |
|              |                          |                                     |                              |                                |
|              |                          | U.S. Small/Mid Co. Stock Index Fund |                              | Self-Directed Brokerage Window |
| Aggressive   |                          |                                     |                              |                                |



Appendix – Callan Update

## **Published Research Highlights from 3Q23**

Office-to-Residential Conversions: Vast Opportunity or Unfeasible Challenge?



Four-Part Series: The ESG Rule Explained



Callan Discount Rate Reporter: Regular Update on Corporate DB Plans



How Your Public DB Plan's Returns Compare: Quarterly Update



### **Recent Blog Posts**

An Investor's Guide to the Nasdaq-100's Special Rebalance

Mark Wood

A Deeper Dive Into the Tradeoff Between Return and Risk

Kevin Machiz

S&P Global Moves Away from Numeric ESG Credit Indicators

Kristin Bradbury

### **Additional Reading**

Alternatives Focus quarterly newsletter Active vs. Passive quarterly charts *Capital Markets Review* quarterly newsletter Monthly Updates to the Periodic Table *Market Pulse Flipbook* quarterly markets update *Real Estate Indicators* market outlook

### **Callan Institute Events**

Upcoming conferences, workshops, and webinars

### Callan College

### Intro to Investments—Learn the Fundamentals

This course is for institutional investors, including trustees and staff members of public plans, corporate plans, and nonprofits. This session familiarizes trustees and staff with basic investment theory, terminology, and practices.

- November 1-2, 2023 Atlanta, Georgia
- March 5-7, 2024 Virtual Session via Zoom

### Intro to Alternatives

This course is for institutional investors, including trustees and staff members of public plans, corporate plans, and nonprofits. This session familiarizes trustees and staff with alternative investments like private equity, hedge funds, and real estate and how they can play a key role in any portfolio. You will learn about the importance of allocations to alternatives and how to consider integrating, evaluating, and monitoring them.

– February 21–22, 2024 – Virtual Session via Zoom

Please visit our website at <u>callan.com/events-education</u> as we add dates to our 2023 and 2024 calendar!

### Mark Your Calendar

**2023 Regional Workshops** October 24, 2023 – New York October 26, 2023 – Chicago

**2024 National Conference** April 8–10, 2024 – San Francisco

**2024 Regional Workshops** June 25, 2024 – Atlanta June 27, 2024 – San Francisco

Watch your email for further details and an invitation.

### Webinars & Research Café Sessions

Webinar: ESG Study November 7, 2023 – Virtual Session via Zoom Webinar: The Retirement Conundrum November 15, 2023 – Virtual Session via Zoom Research Café: Conversion of Commercial Real Estate December 6, 2023 – Virtual Session via Zoom

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