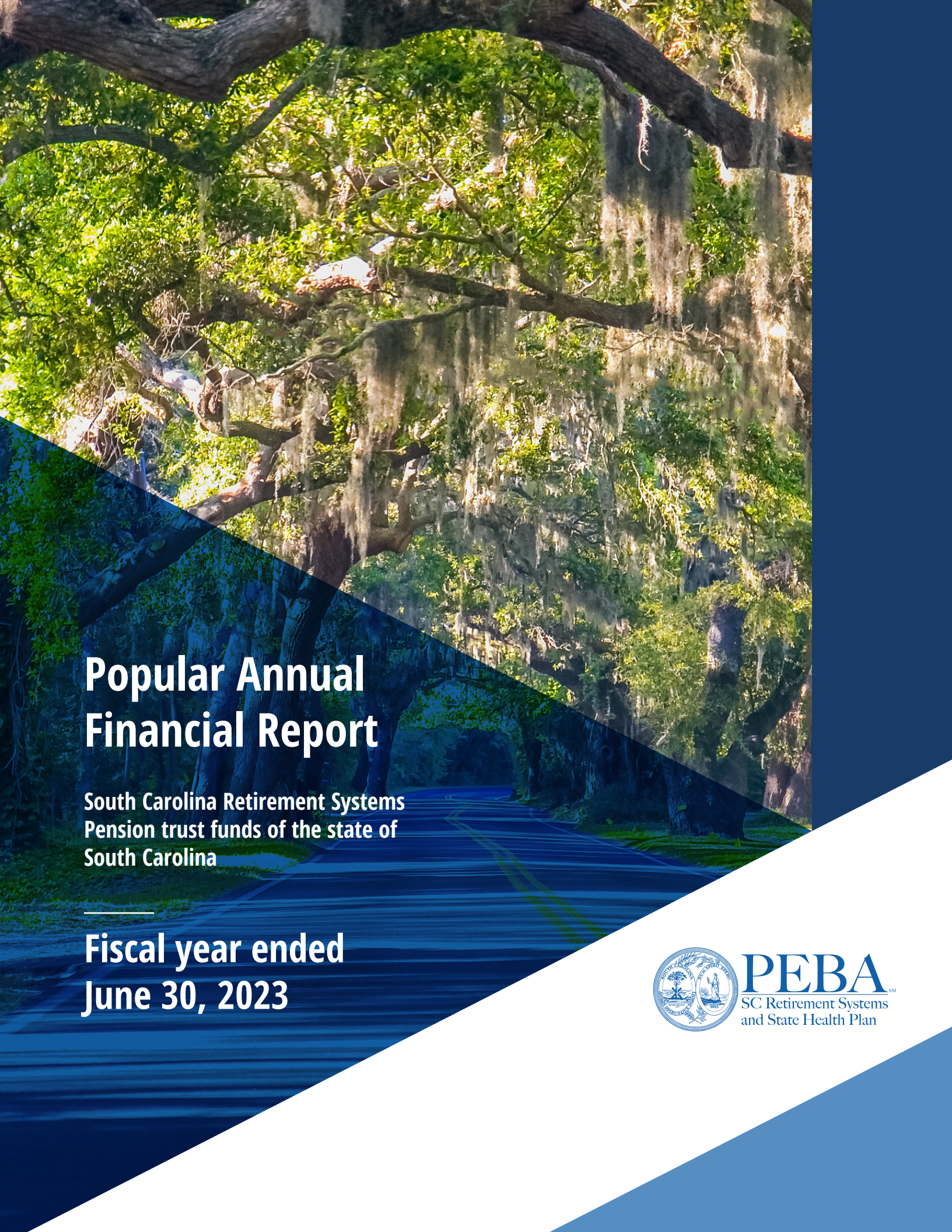


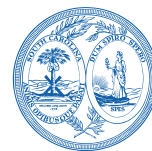


# Popular Annual Financial Report

South Carolina Retirement Systems  
Pension trust funds of the state of  
South Carolina

---

Fiscal year ended  
June 30, 2023



**PEBA**<sup>SM</sup>  
SC Retirement Systems  
and State Health Plan

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## Awards

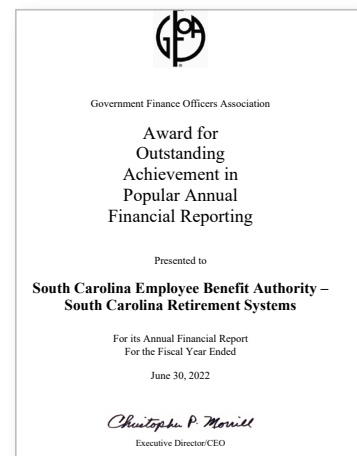
### Fiscal Year 2022 GFOA Award

The South Carolina Retirement Systems' *Popular Annual Financial Report* for the fiscal year ended June 30, 2022, received an Award for Outstanding Achievement in Popular Annual Financial Reporting from the Government Finance Officers Association (GFOA) of the United States and Canada.

This is a prestigious national award recognizing conformance with the highest standards for preparation of state and local government popular reports.

To receive this award, a government unit must publish a *Popular Annual Financial Report* in which the content conforms to program standards of creativity, presentation, understandability and reader appeal.

This award is valid for one year only. The Systems have received the Award for Outstanding Achievement for the past 19 consecutive years (fiscal years ended 2004-2022). We believe our current report continues to conform to the GFOA's requirements and are submitting it for consideration.

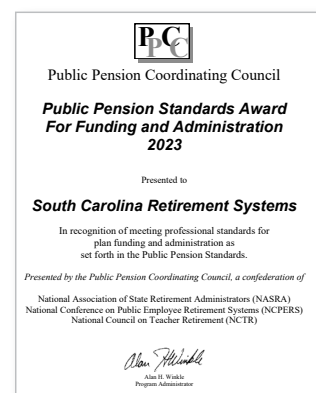


### 2023 PPCC Award

The South Carolina Retirement Systems received the Public Pension Coordinating Council's Public Pension Standards 2023 Award.

It is the 20<sup>th</sup> consecutive year during which the S.C. Public Employee Benefit Authority applied for and received the council's award in recognition of meeting professional plan design and administration standards.

The Public Pension Coordinating Council is a confederation of the National Association of State Retirement Administrators, the National Conference on Public Employee Retirement Systems and the National Council on Teacher Retirement.



# A message from leadership

Dear members:

We are pleased to present the South Carolina Public Employee Benefit Authority's (PEBA) *Popular Annual Financial Report* (PAFR) for the South Carolina Retirement Systems for the fiscal year ended June 30, 2023. This is the Systems' 20<sup>th</sup> consecutive annual popular report, and it is intended to provide a summary of the Systems' annual financial information in an easily understandable format to supplement the more thorough [Annual Comprehensive Financial Report](#).

Data presented in this report was derived from the fiscal year 2023 *Annual Comprehensive Financial Report*, which was prepared in accordance with Generally Accepted Accounting Principles. To learn more about the Systems' financial activities, the *Annual Comprehensive Financial Report*, which contains more detailed information, is available on the Facts and figures page of our website at [peba.sc.gov](http://peba.sc.gov). For any other questions, contact Customer Service at 803.737.6800 or 888.260.9430.



Peggy G. Boykin, CPA  
Executive Director



Travis J. Turner, CPA, CISA  
Deputy Director/Chief Financial Officer



Tammy B. Nichols, CPA  
Director of Retirement Operations

## Vision

Serving those who serve  
South Carolina

## Mission

PEBA's mission is to provide competitive retirement and insurance benefit programs for South Carolina public employers, employees and retirees.

## Core values

Solutions oriented  
Communication  
Credibility  
Collaboration  
Responsive  
Emotional intelligence  
Ethical behavior

THIS REPORT CONTAINS AN ABBREVIATED DESCRIPTION OF THE RETIREMENT BENEFITS OFFERED BY THE SOUTH CAROLINA PUBLIC EMPLOYEE BENEFIT AUTHORITY (PEBA). THE INFORMATION IN THIS REPORT IS MEANT TO SERVE AS A GUIDE FOR OUR MEMBERS AND DOES NOT CONSTITUTE A BINDING REPRESENTATION OF PEBA. TITLE 9 OF THE SOUTH CAROLINA CODE OF LAWS CONTAINS A COMPLETE DESCRIPTION OF THE RETIREMENT BENEFITS, THEIR TERMS AND CONDITIONS, AND GOVERNS ALL RETIREMENT BENEFITS OFFERED BY THE STATE. STATE STATUTES ARE SUBJECT TO CHANGE BY THE GENERAL ASSEMBLY. PLEASE CONTACT PEBA FOR THE MOST CURRENT INFORMATION.

THE LANGUAGE USED IN THIS REPORT DOES NOT CREATE ANY CONTRACTUAL RIGHTS OR ENTITLEMENTS AND DOES NOT CREATE A CONTRACT BETWEEN THE MEMBER AND PEBA. PEBA RESERVES THE RIGHT TO REVISE THE CONTENT OF THIS REPORT.



## Profile of the Systems

PEBA, created July 1, 2012, and governed by an 11-member Board, is the state agency responsible for providing retirement and insurance benefits to participants and beneficiaries of the state's employee benefit plans. As such, PEBA is responsible for administering the South Carolina Retirement Systems' five defined benefit pension plans. The Retirement System Investment Commission, created by the General Assembly in 2005, has exclusive authority to invest and manage the retirement trust funds' assets.

A defined benefit plan is a retirement plan in which contributions are made to fund a level of retirement income at a future retirement date. Monthly service retirement benefits, as well as disability benefits and death benefits, are provided to eligible members and/or their surviving beneficiaries. The plans' terms specify the amount of pension benefits to be provided at a future date or after a certain period of time. Monthly benefits are calculated

using a formula that includes the member's average final compensation, years of service and a multiplier.

PEBA also sponsors the State Optional Retirement Program (State ORP), which is a defined contribution plan administered by four third-party service providers. State ORP is an alternative plan available to newly hired employees of state agencies, public higher education institutions, public and charter school districts, as well as first-term individuals elected to the General Assembly. In addition, PEBA is responsible for the South Carolina Deferred Compensation Program, which offers 401(k) and 457 plans, and is administered by a third-party record keeper. Finally, PEBA administers and manages the state's employee insurance programs. State ORP, Deferred Compensation and the employee insurance programs are not considered part of the Retirement Systems for financial statement purposes.

## Defined benefit pension trust funds included in the PAFR

### **South Carolina Retirement System**

The South Carolina Retirement System (SCRS) was established July 1, 1945, to provide retirement and other benefits for teachers and employees of the state and its political subdivisions. SCRS covers employees of state agencies, public school districts, higher education institutions, other participating local subdivisions of government, as well as first-term individuals elected to the General Assembly at or after the November 2012 general election.

### **Police Officers Retirement System**

The South Carolina Police Officers Retirement System (PORS) was established July 1, 1962, to provide retirement and other benefits to police officers and firefighters. PORS also covers peace officers, coroners, probate judges and magistrates.

### **General Assembly Retirement System**

The Retirement System for Members of the General Assembly of the State of South Carolina (GARS) was established January 1, 1966, to provide retirement and other benefits to members of the General Assembly. Retirement reform legislation closed the GARS plan to individuals newly elected to the South Carolina General Assembly at or after the 2012 general election.

### **Judges and Solicitors Retirement System**

The Retirement System for Judges and Solicitors of the State of South Carolina (JSRS) was established July 1, 1979, to provide retirement and other benefits to state judges and solicitors. JSRS also covers circuit public defenders.

### **South Carolina National Guard Plan**

The South Carolina National Guard Supplemental Retirement Plan (SCNG) was established July 1, 1975, to provide supplemental retirement benefits to members who served in the South Carolina National Guard. The Retirement Systems assumed administrative responsibility for this fund in 2006.

# Membership and annuitant composition

The membership and annuitant data provided below is based on the July 1, 2022, actuarial valuations and the data provided to the Systems' actuary for preparation of the July 1, 2022, valuations.

|             | Active  | Inactive | Retirees and beneficiaries <sup>1</sup> |
|-------------|---------|----------|-----------------------------------------|
| <b>SCRS</b> | 200,989 | 216,511  | 150,856                                 |
| <b>PORS</b> | 26,606  | 21,195   | 20,840                                  |
| <b>GARS</b> | 72      | 29       | 337                                     |
| <b>JSRS</b> | 160     | 6        | 224                                     |
| <b>SCNG</b> | 12,047  | 1,511    | 5,097                                   |

<sup>1</sup>Represents all annuitants, including retired members who returned to covered employment as a working retiree and surviving beneficiaries of former members.

## Total membership

|                            |         |
|----------------------------|---------|
| Retirees and beneficiaries | 177,354 |
| Inactive members           | 239,252 |
| Active members             | 239,874 |

|                                                            | SCRS     | PORS     | GARS     | JSRS      | SCNG             |
|------------------------------------------------------------|----------|----------|----------|-----------|------------------|
| <b>Active members</b>                                      |          |          |          |           |                  |
| Average age                                                | 46       | 40       | 60       | 58        | 33               |
| Average years of service                                   | 10       | 10       | 20       | 15        | 11               |
| Average annual salary                                      | \$49,577 | \$53,893 | \$22,713 | \$200,234 | N/A <sup>2</sup> |
| <b>Annuitants and beneficiaries</b>                        |          |          |          |           |                  |
| Average current age of service retirees                    | 72       | 67       | 76       | 74        | 72               |
| Average current age at retirement of service retirees      | 59       | 55       | 61       | 60        | 60               |
| Average years of service at retirement (all retirees)      | 22       | 18       | 21       | 25        | 26               |
| Average AFC <sup>3</sup> at retirement (all retirees)      | \$47,213 | \$49,465 | \$22,282 | \$131,162 | N/A              |
| Average current annual benefit (all retirees) <sup>4</sup> | \$21,488 | \$22,086 | \$18,490 | \$117,938 | \$906            |

<sup>2</sup>The South Carolina National Guard Supplemental Retirement Plan (SCNG) is non-contributory; therefore, active member salaries are not reported to the Systems.

<sup>3</sup>Average final compensation (AFC) is a component used in the formula for calculating annuity benefits.

<sup>4</sup>Includes benefit adjustments applied since retirement.

# Fiscal year 2023 operational activities

PEBA's vision is serving those who serve South Carolina, and our mission is to provide competitive retirement and insurance benefit programs for South Carolina public employers, employees and retirees. The agency accomplishes this by focusing goals in areas that promote financially sound programs, enhance the customer service experience and responsibly manage risk. Initiatives during fiscal year 2023 included the following.

## Benefits administration

PEBA processed and paid the following benefit claims:

- 7,166 service retirement applications.
- 10,864 refund requests.
- 88 disability applications.
- 6,376 death claims.

## Legislative

- The General Assembly provided nonemployer contribution funding to SCRS and PORS again to help offset a portion of the contribution requirements for some employers.
- The General Assembly also provided additional funding to stabilize JSRS.
- The General Assembly passed Act 75, which provides an additional death benefit for law enforcement officers killed in the line of duty.

## Risk management

PEBA further enhanced internal processes and IT response to external security threats and fraud attempts to ensure the safety of member accounts.

## PEBA:Connect

One of the most significant operational challenges the agency faces is the pending replacement of its legacy information systems. PEBA's core operational systems were built in the early 1990s. The typical system life expectancy is 15-20 years. The agency went through an extensive process to assess the market and evaluate options.

- The PEBA:Connect team includes staff from all areas of the agency, as well as individuals from the three vendors working on the project.
- Staff is viewing the system, providing input during comprehensive demonstrations and performing user acceptance testing.

# Summary of financial condition

## Funding period

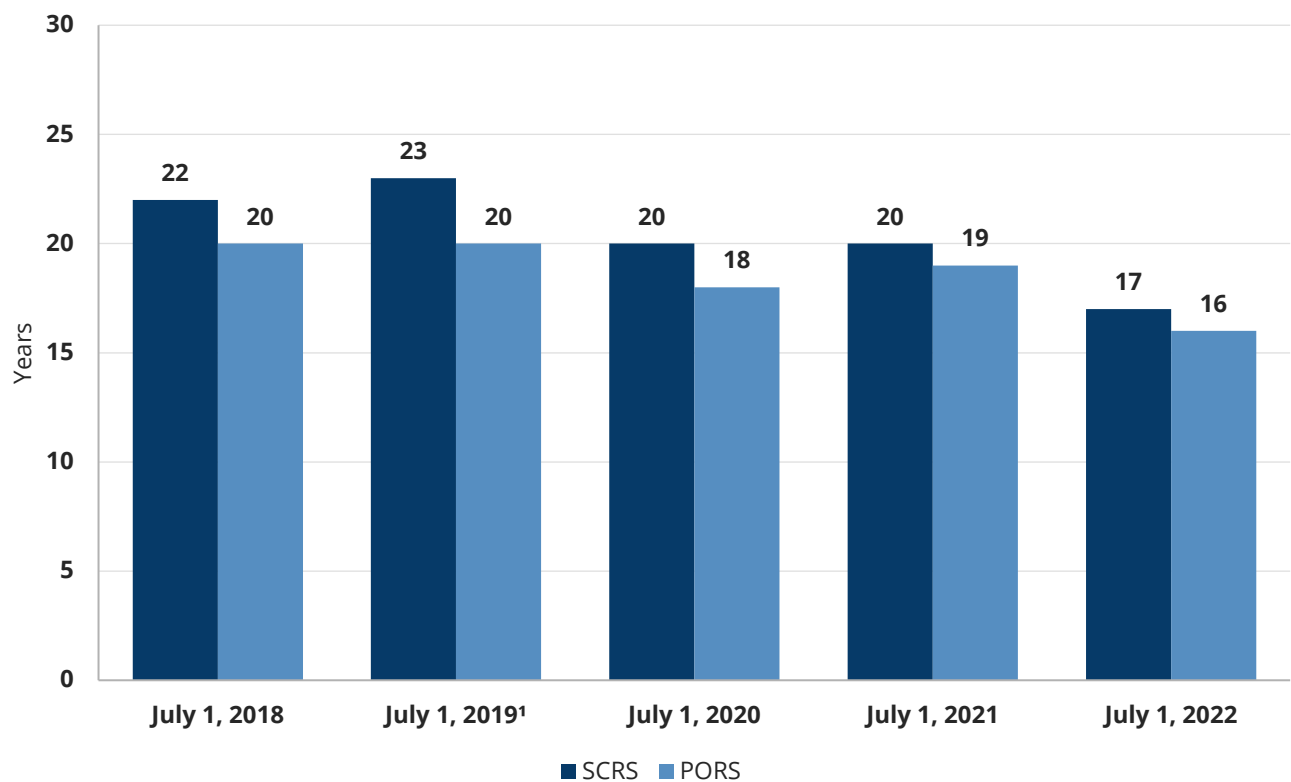
The main funding objective of the pension trust funds is to meet future benefit obligations of retirees and beneficiaries through employee and employer contributions and investment earnings. Each year, the external consulting actuaries determine the actuarial soundness of the plans based on long term obligations and the sufficiency of current contribution levels to fund the liabilities of each plan over a reasonable time frame. In addition to contribution requirements, there are numerous measures used to monitor a plan’s funding status, including the funding period, the dollar amount of the unfunded actuarial accrued liability (UAAL) and the funded ratio.

The annual actuarial valuations dated July 1, 2022, determined the actuarial status of each plan and were

adopted by PEBA’s Board of Directors in December 2022.

The UAAL of each plan is paid down or amortized over a period of years, similar to a home mortgage, after which time the plan is expected to be fully funded. Pension funding reform legislation enacted in 2017 included a schedule for the funding period of SCRS and PORS to be reduced over a 10-year time period beginning in fiscal year 2018 to a maximum of 20 years by fiscal year 2028. The funding period for SCRS, which represents the largest membership of the five plans, decreased from 20 years to 17 years as of July 1, 2022. The funding period for PORS decreased from 19 years to 16 years as of the same date. The chart below illustrates the funding period over the past five fiscal years for SCRS and PORS.

Funding Period in Years



<sup>1</sup>The July 1, 2019, funding period is based on the contribution rate schedule as modified by Act 135 of 2020.

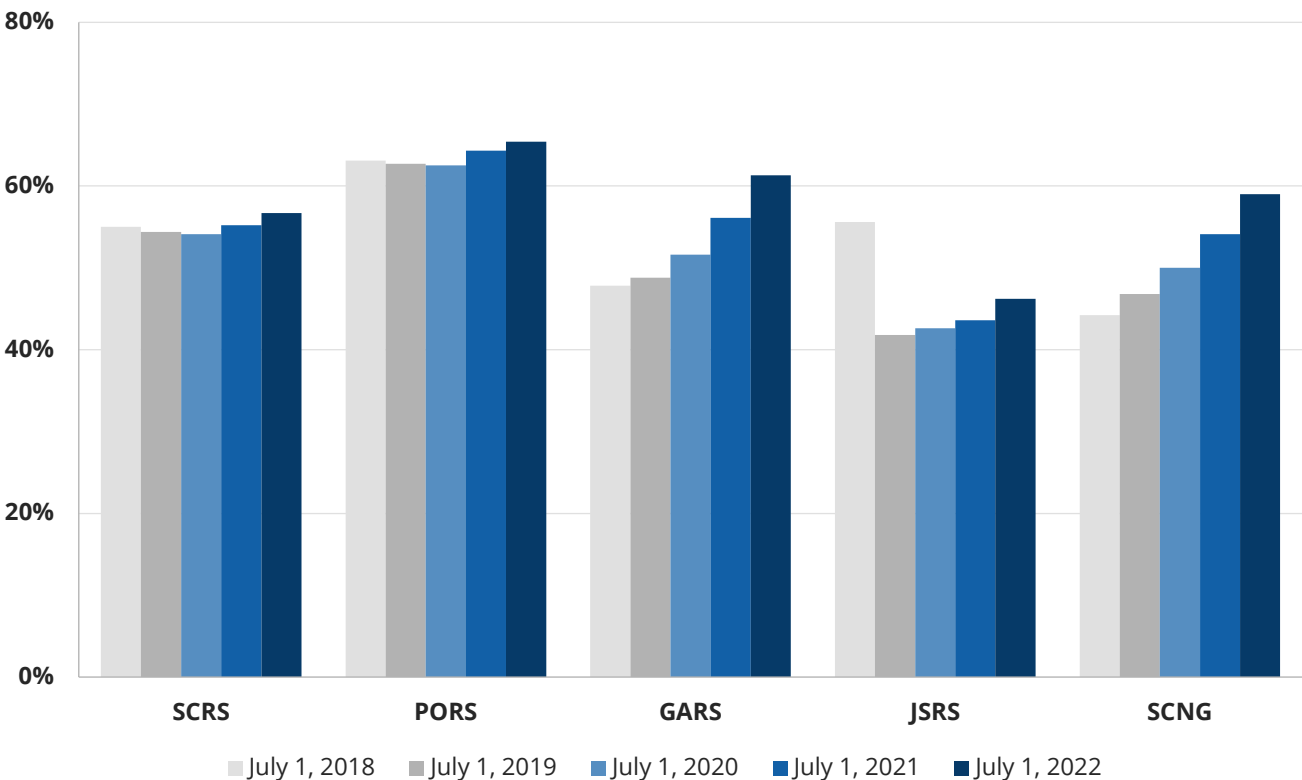
# Funded ratio

As of July 1, 2022, the dollar amount of the UAAL for SCRS and PORS increased slightly from the prior year to \$24.7 billion for SCRS and \$3.1 billion for PORS. Non-investment related experience activity, such as mortality, salary experience, payroll growth and turnover, which are considered normal within the course of plan experience, contributed to the change, as actual experience cannot be precisely predicted and will not exactly match the estimated assumptions.

The funded ratio is a measurement of a plan’s funded status, and it is calculated as the ratio of the actuarial value of assets to the actuarial accrued liability. The funded ratios of the five plans as of July 1, 2022, range from a high of 65.4% for PORS to a low of 46.2% for JSRS. The funded ratio for SCRS increased from 55.2% in fiscal year 2021 to 56.7% in 2022. The increase resulted from the continued recognition of strong investment performance that occurred in 2021.

## Actuarial Funded Ratios

Actuarial assets as a percentage of actuarial accrued liabilities

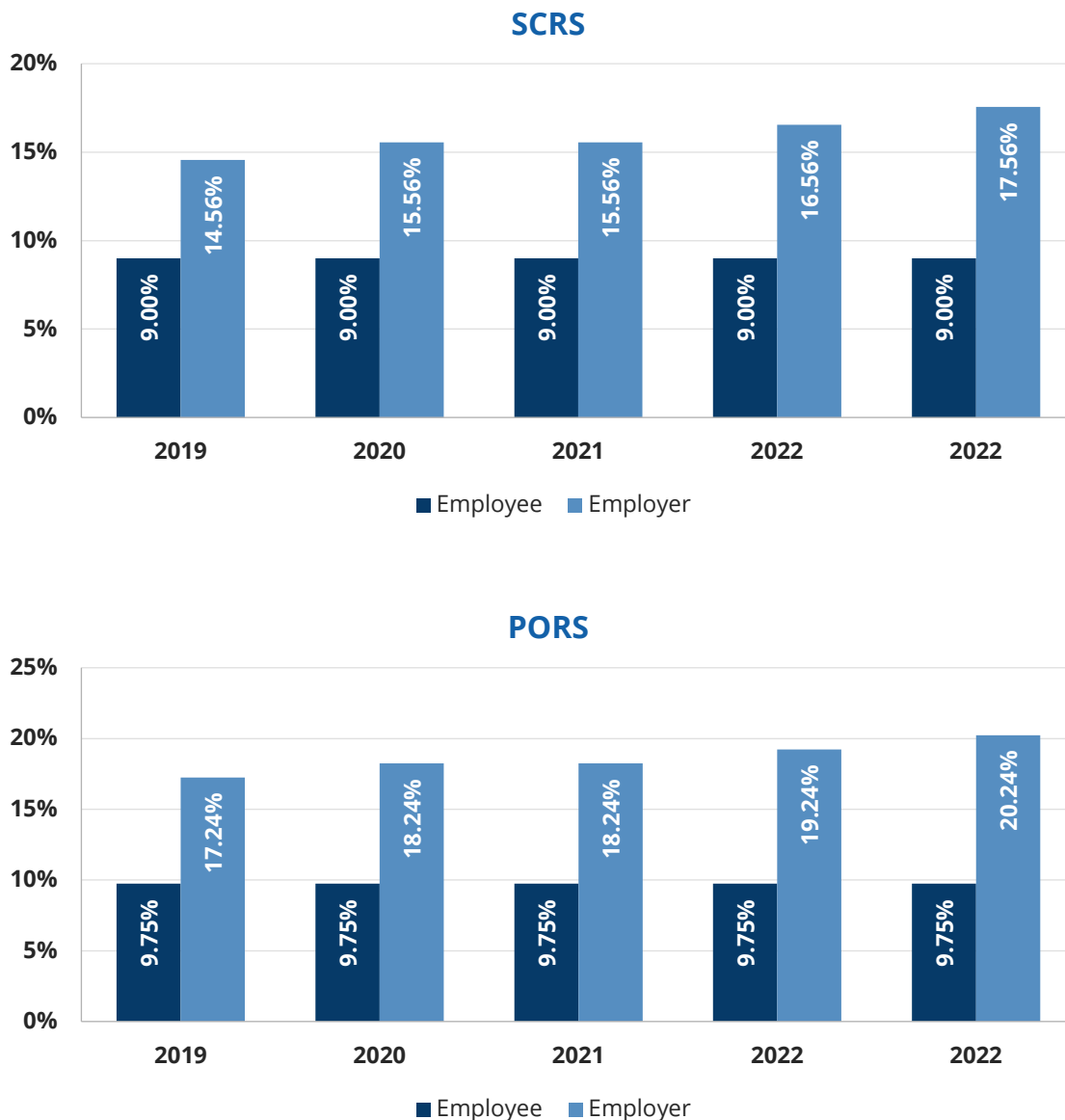


## Contribution rates

The 2017 legislation set in statute a schedule of contribution increases, effective July 1, 2017, to help lessen the impact if actual investment returns do not meet the assumed rate of return. The SCRS and PORS employee contributions rates increased to and were capped at 9% for SCRS and 9.75% for PORS. The legislation also increased employer contribution rates for both SCRS and PORS by 2%, effective the same

date. Additionally, the legislation included a schedule of 1% employer contribution rate increases each year until reaching a rate of 18.56% for SCRS and 21.24% for PORS. If the scheduled contributions are not sufficient to meet the funding periods set in state statute, the PEBA Board of Directors can increase the employer contribution rates as necessary.

### Contribution rates by fiscal year<sup>1</sup>



<sup>1</sup>Rates are inclusive of incidental death contributions and Accidental Death Program contributions where applicable.

## Statement of fiduciary net position

The Statement of Fiduciary Net Position below presents the Systems' assets and liabilities and the resulting net position restricted for pensions for the three most recent fiscal years. This statement reflects a year-end snapshot of the Systems' investments, at fair value, along with cash and short-term investments, receivables, and other assets and liabilities.

Total fiduciary net position for all five defined benefit plans of the Systems combined, increased from \$38.4 billion to \$41.0 billion, which is an increase of more than 6% from the prior fiscal year ended June 30, 2022. The increase in the fiduciary net position was attributable to increased contributions and positive investment performance.

It is important to note that growth in fiduciary net position depends on both investment performance and contributions from employers and employees. The plans are in a net cash outflow position with benefit payments exceeding contributions; therefore, investment

performance must first make up this gap before fiduciary net position can grow.

The Systems' investment portfolio participates in a securities lending program, managed by BNY Mellon, whereby securities are loaned for the purpose of generating additional income. Securities lending revenue net of borrower rebates was \$656,000, a decrease from \$1.5 million in the prior year. As reported by BNY Mellon, at June 30, 2023, the fair value of securities on loan was \$44.96 million, the fair value of the invested cash collateral was \$1.73 million and the securities lending obligations were \$46.62 million. The reported difference in the value of the invested cash collateral and the securities lending obligations in the securities lending program, is reflected within "Other liabilities" on the Systems' Statement of Fiduciary Net Position, consistent with information reported on accounting statements provided by BNY Mellon as both the custodial bank and securities lending agent.

### South Carolina Retirement Systems Fiduciary Net Position as of June 30

Amounts expressed in thousands

|                                                         | 2023                | % Increase/<br>(Decrease) | 2022                | % Increase/<br>(Decrease) | 2021                |
|---------------------------------------------------------|---------------------|---------------------------|---------------------|---------------------------|---------------------|
| <b>Assets</b>                                           |                     |                           |                     |                           |                     |
| Cash/cash equivalents, receivables and prepaid expenses | \$3,369,548         | 47.97%                    | \$2,277,245         | (50.46)%                  | \$4,596,950         |
| Investments, at fair value                              | 38,695,989          | 4.85%                     | 36,907,526          | (3.32)%                   | 38,173,987          |
| Securities lending cash collateral invested             | 1,725               | (81.52)%                  | 9,336               | (56.27)%                  | 21,348              |
| Capital assets, net of accumulated depreciation         | 1,794               | (5.93)%                   | 1,907               | (8.49)%                   | 2,084               |
| <b>Total assets</b>                                     | <b>42,069,056</b>   | <b>7.33%</b>              | <b>39,196,014</b>   | <b>(8.41)%</b>            | <b>42,794,369</b>   |
| <b>Liabilities</b>                                      |                     |                           |                     |                           |                     |
| Obligations under securities lending                    | 1,725               | (81.52)%                  | 9,336               | (56.27)%                  | 21,348              |
| Other liabilities                                       | 1,064,311           | 42.55%                    | 746,626             | (74.03)%                  | 2,874,921           |
| <b>Total liabilities</b>                                | <b>1,066,036</b>    | <b>41.02%</b>             | <b>755,962</b>      | <b>(73.90)%</b>           | <b>2,896,269</b>    |
| <b>Net position restricted for pensions</b>             | <b>\$41,003,020</b> | <b>6.67%</b>              | <b>\$38,440,052</b> | <b>(3.65)%</b>            | <b>\$39,898,100</b> |

## Statement of changes in fiduciary net position

The Statement of Changes in Fiduciary Net Position on Page 13 presents information showing how the Systems' net position restricted for pensions changed during the year for the most recent three fiscal years. This statement includes additions for employee, employer, nonemployer and state appropriated contributions and net investment income. It also includes deductions for retirement benefit payments for annuities, refunded contributions and death benefit payments, and administrative expenses.

The dollar amount of employee and employer contributions collected increased compared to the prior year, and the increase is primarily attributable to increased employer contribution rates and payroll growth. For fiscal year 2023, employee rates remained capped at 9% for SCRS and 9.75% for PORS; however, employer contribution rates for both SCRS and PORS increased by 1% of pay to 17.56% and 20.24%, respectively.

For the fiscal year ended June 30, 2023, the net of fee investment performance return on a time-weighted basis, as reported by the custodial bank, BNY Mellon, was 6.83%. This return reflects performance of the Systems, at the aggregate for the pooled investments of the consolidated pension trust funds, after the deduction for manager fees and/or expenses. The Plan outperformed the policy benchmark, which returned 5.49%, by 134 basis points. Additionally, the Plan fell short of the actuarial assumed rate of return of 7% by 17 basis points.

Annuity benefits for the five defined benefit plans, taken as a whole, increased more than 3% from the prior fiscal year. The increase resulted from the required annual benefit adjustment equal to the lesser of 1% or \$500 granted to eligible SCRS and PORS annuity benefit recipients, effective July 1, 2022, as well as a slight increase in the number of annuitants.



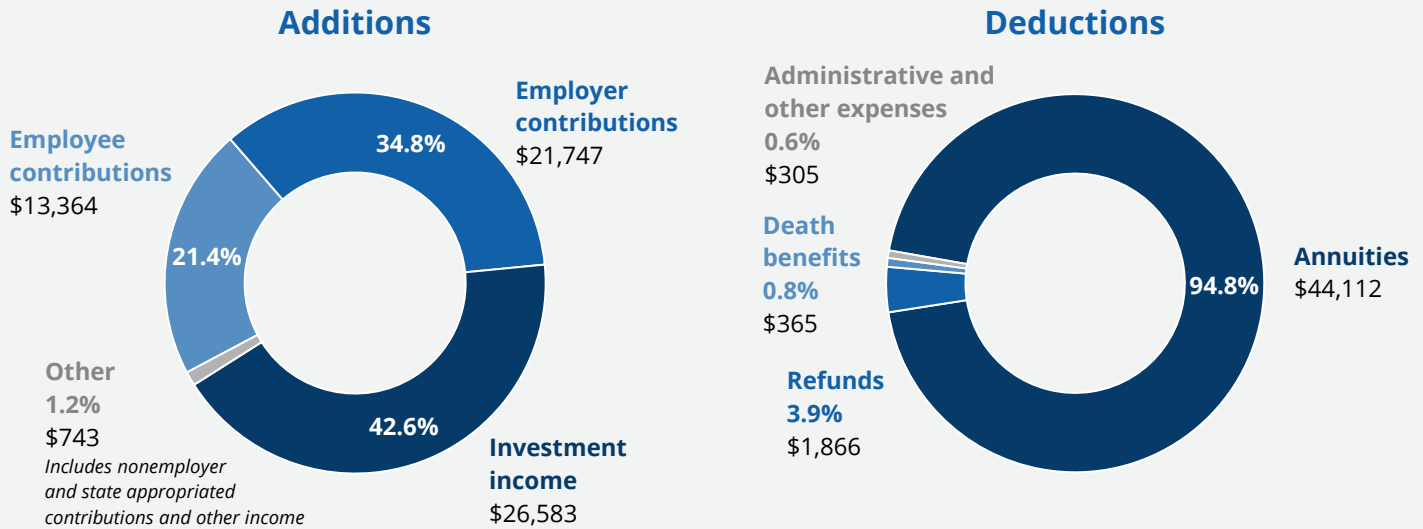
## South Carolina Retirement Systems Changes in Fiduciary Net Position as of June 30

Amounts expressed in thousands

|                                                | 2023                | % Increase/<br>(Decrease) | 2022                | % Increase/<br>(Decrease) | 2021                |
|------------------------------------------------|---------------------|---------------------------|---------------------|---------------------------|---------------------|
| <b>Additions</b>                               |                     |                           |                     |                           |                     |
| Employee contributions                         | \$1,219,382         | 6.01%                     | \$1,150,248         | 5.73%                     | \$1,087,933         |
| Employer contributions                         | 2,502,476           | 13.62%                    | 2,202,429           | 12.31%                    | 1,960,953           |
| Nonemployer contributions                      | 104,076             | 0.00%                     | 104,076             | 0.00%                     | 104,076             |
| State appropriate contributions                | 5,290               | 0.00%                     | 5,290               | 0.00%                     | 5,290               |
| Net investment income (loss)                   | 2,771,272           | 378.48%                   | (995,127)           | (110.77)%                 | 9,243,637           |
| Other income                                   | 2,634               | (23.34)%                  | 3,436               | 67.61%                    | 2,050               |
| <b>Total additions</b>                         | <b>6,605,130</b>    | <b>(167.38)%</b>          | <b>2,470,352</b>    | <b>(80.08)%</b>           | <b>12,403,939</b>   |
| <b>Deductions</b>                              |                     |                           |                     |                           |                     |
| Annuity benefits                               | 3,818,645           | 3.87%                     | 3,676,477           | 3.44%                     | 3,554,269           |
| Refunds                                        | 171,196             | (11.42)%                  | 193,258             | 29.96%                    | 148,709             |
| Death benefits                                 | 29,363              | (13.81)%                  | 34,066              | 0.87%                     | 33,771              |
| Administrative and other expenses              | 22,958              | (6.67)%                   | 24,599              | 9.43%                     | 22,479              |
| <b>Total deductions</b>                        | <b>4,042,162</b>    | <b>2.90%</b>              | <b>3,928,400</b>    | <b>4.50%</b>              | <b>3,759,228</b>    |
| <b>Net increase (decrease) in net position</b> | <b>2,562,968</b>    | <b>275.78%</b>            | <b>(1,458,048)</b>  | <b>(116.87)%</b>          | <b>8,644,711</b>    |
| <b>Net position restricted for pensions</b>    |                     |                           |                     |                           |                     |
| Beginning of year                              | 38,440,052          | (3.65)%                   | 39,898,100          | 27.66%                    | 31,253,389          |
| <b>End of year</b>                             | <b>\$41,003,020</b> | <b>6.67%</b>              | <b>\$38,440,052</b> | <b>(3.65)%</b>            | <b>\$39,898,100</b> |

## Additions and deductions to pension trust funds | 2009-2023

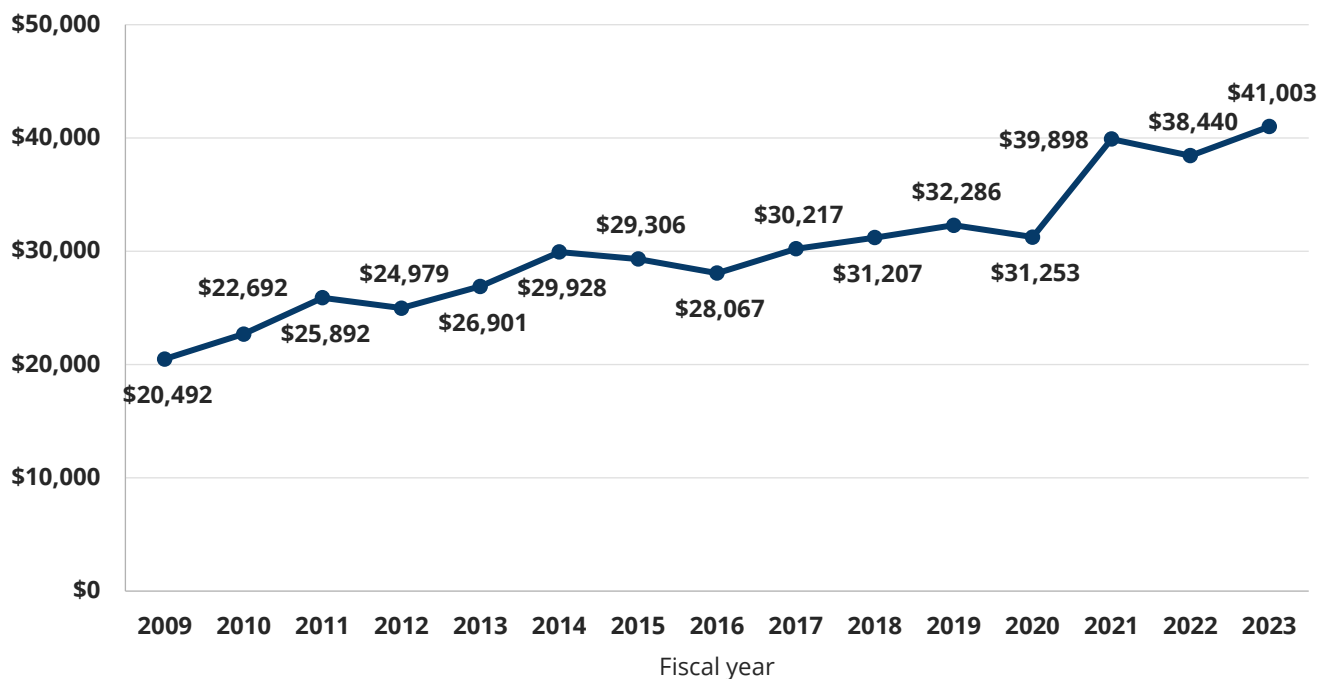
Includes SCRS, PORS, GARS, JSRS and SCNG | Amounts expressed in millions



The following graph reflects Fiduciary Net Position restricted for pensions for the five consolidated defined benefit plans over the past 15 fiscal years.

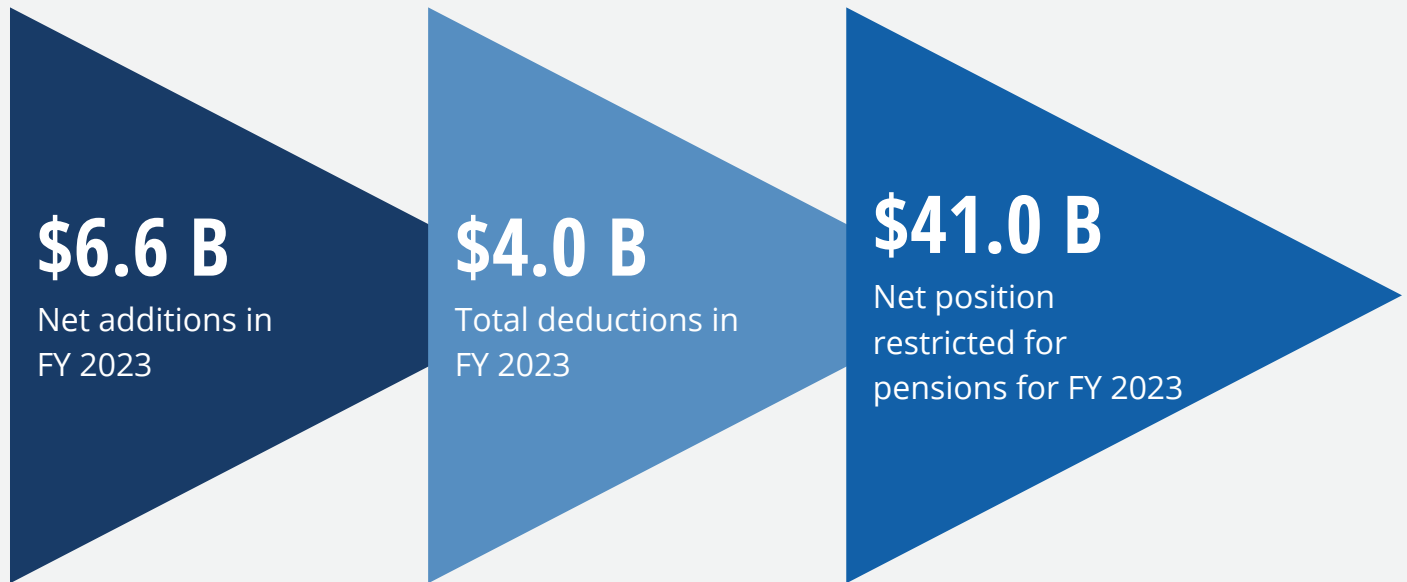
## South Carolina Retirement Systems Fiduciary Net Position for Past 15 Fiscal Years as of June 30

Amounts expressed in millions



## Additions and deductions to pension trust funds in fiscal year 2023

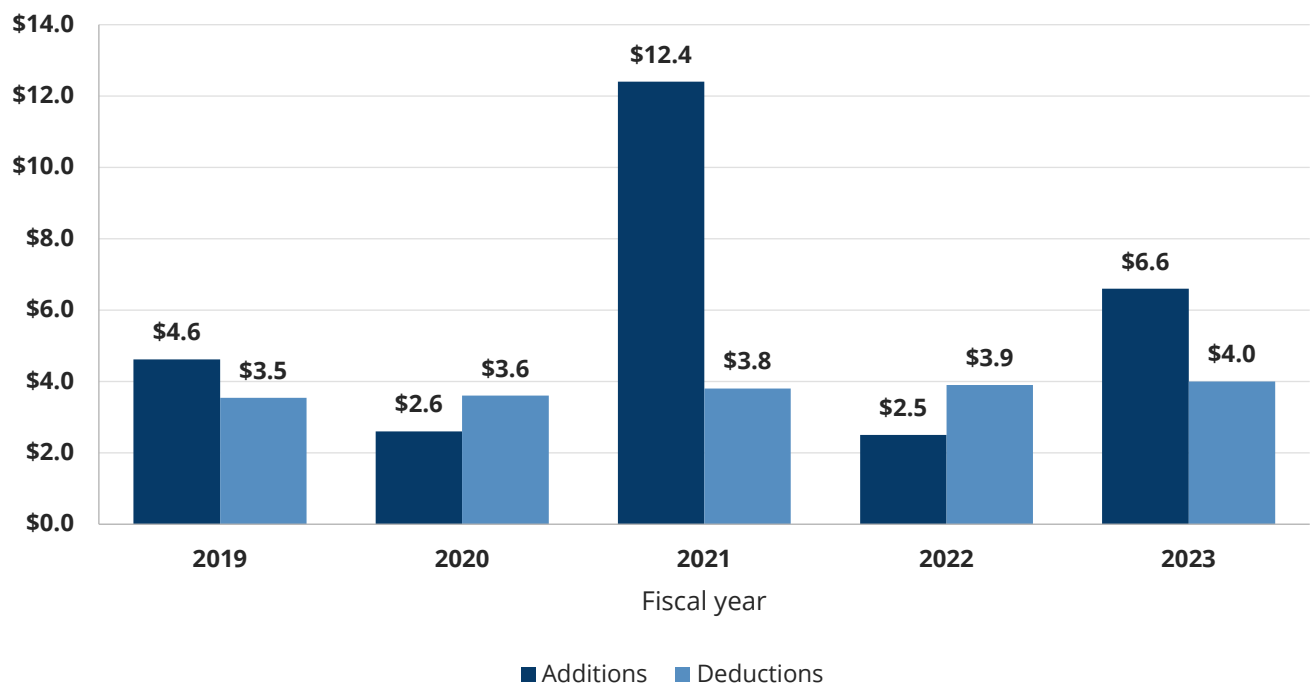
Includes SCRS, PORS, GARS, JSRS and SCNG



The following graph represents additions from all sources (employee contributions, employer contributions and investment gains and losses) and deductions (annuities, refunds, death benefits, administrative expense and depreciation) from Fiduciary Net Position over the past five fiscal years.

## South Carolina Retirement Systems Summary of Additions and Deductions for Past Five Fiscal Years as of June 30

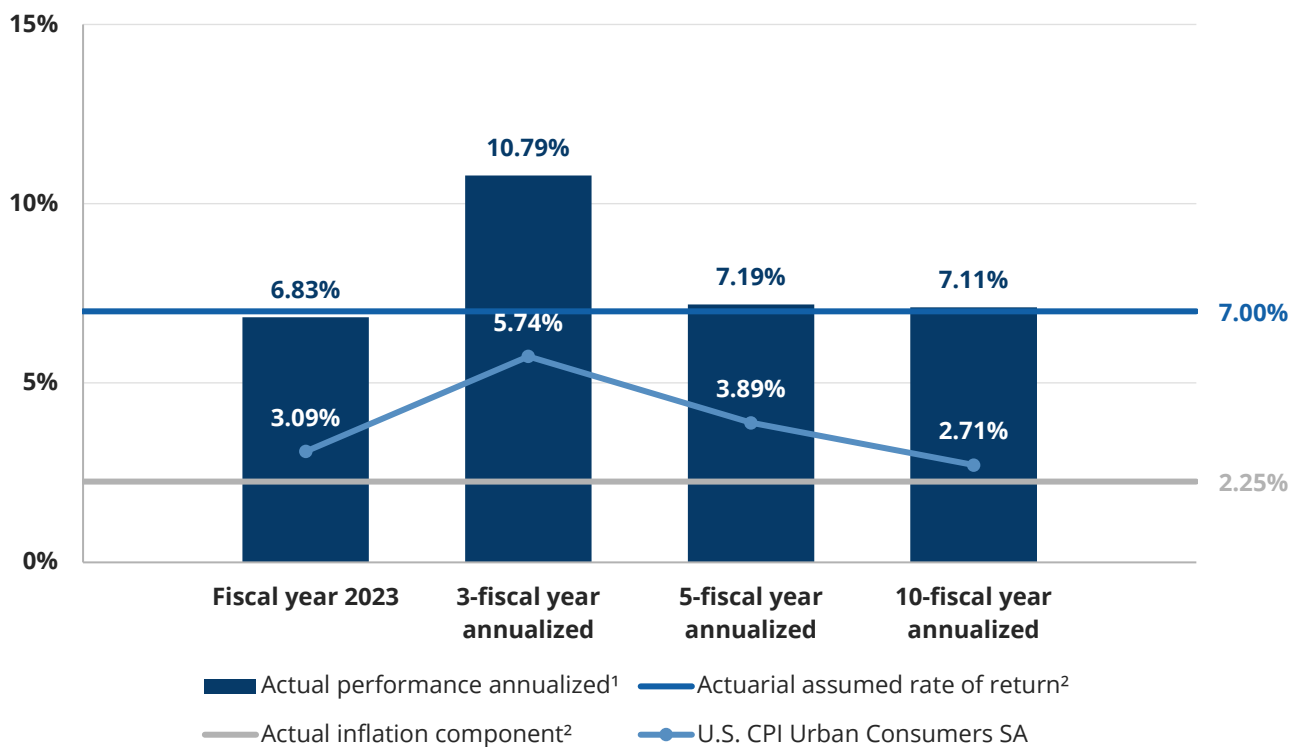
Amounts expressed in billions



## Investments overview

As of June 30, 2023, the custodial bank reported that the net asset value of the pension trust funds had a fair value of \$41 billion. This represents a \$3 billion increase over the previous fiscal year end's fair value. The Retirement System Investment Commission (RSIC) is responsible for investing and managing the pension trust funds. The Systems' investment policies and strategies are available on RSIC's website at [www.rsic.sc.gov](http://www.rsic.sc.gov).

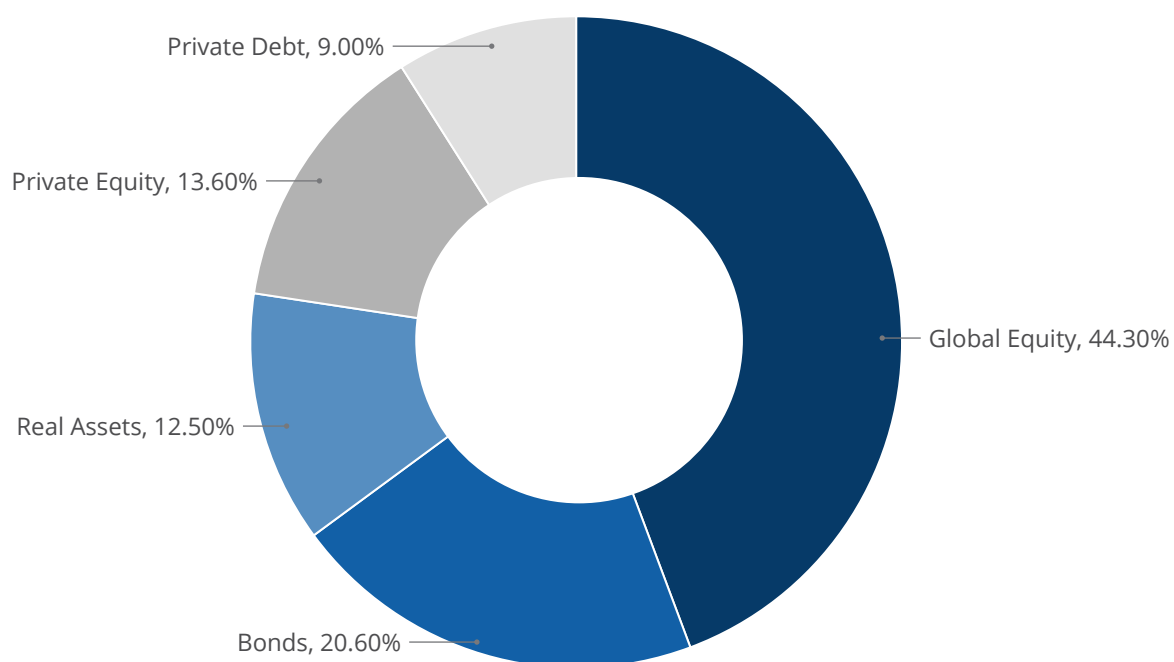
### Summary of Investment Performance as of June 30, 2023



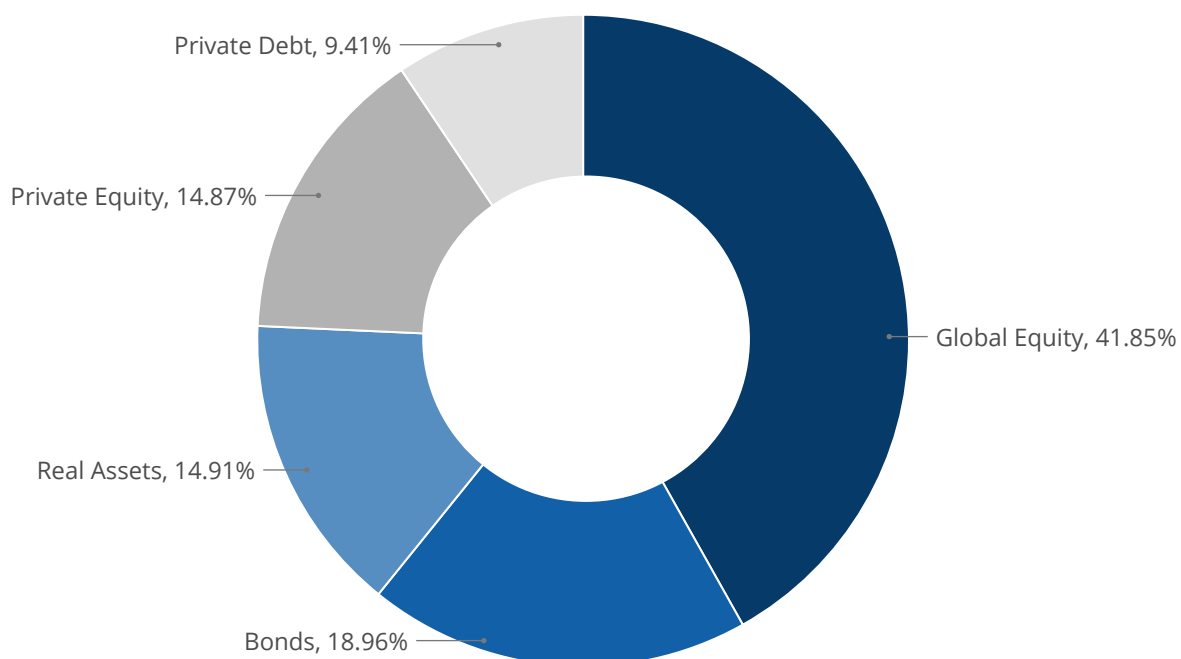
<sup>1</sup>Plan returns are provided by BNY Mellon and are presented on a time-weighted calculation basis, net of fees. All returns are expressed in U.S. dollars. Periods greater than one year are annualized. Total Plan trailing periods reflect a performance correction that affected the time period March 31, 2015, through June 30, 2022.

<sup>2</sup>The actuarial assumed rate of return was set at 7.50%, net of investment expense, for fiscal years 2011 through 2017, 7.25% for fiscal years 2018 through 2021, then 7% beginning with fiscal year 2021. The rate was composed of 2.75% inflation and 4.75% real rate of return through fiscal year 2016; 2.25% inflation and 5.25% real return for fiscal year 2017; 2.25% inflation and 5% real return for fiscal years 2018 through 2021; and 2.25% inflation and 4.75% real return beginning with fiscal year 2021.

### Portfolio Exposure as of June 30, 2023<sup>1</sup>

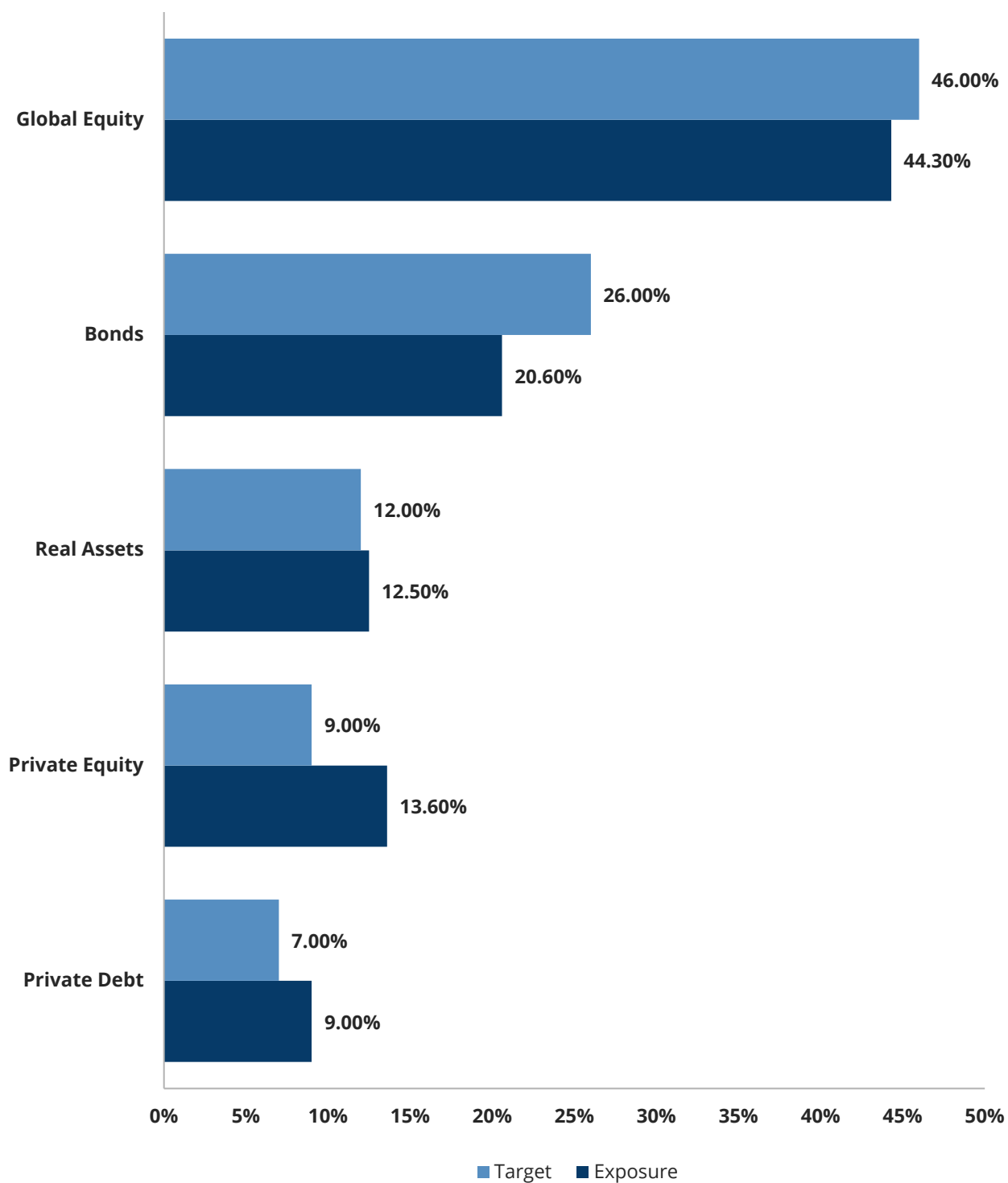


### Portfolio Exposure as of June 30, 2022<sup>1</sup>



<sup>1</sup>Asset class exposures include exposure from RSIC's derivative overlay program. Portable Alpha Hedge Funds, as collateral supporting the Overlay program, net to zero when calculating total Plan exposure.

## Portfolio Exposure and Target Asset Allocation as of June 30, 2023<sup>1, 2</sup>



<sup>1</sup>Target Asset Allocation reflects the policy targets adopted by the Commission and in effect at the end of fiscal year 2023.

<sup>2</sup>Asset class exposures include exposure from RSIC's derivative overlay program. Portable Alpha Hedge Funds, as collateral supporting the Overlay program, net to zero when calculating total Plan exposure.

## South Carolina Retirement Systems List of Largest Assets Held as of June 30, 2023

### Index fund holdings

| Units                               | Description                                    | SCRS            | PORS            | GARS         | JSRS         | SCNG        | Fair value              |
|-------------------------------------|------------------------------------------------|-----------------|-----------------|--------------|--------------|-------------|-------------------------|
| 345,613,497                         | Blackrock MSCI ACWI                            | \$8,694,236,871 | \$1,621,945,626 | \$10,904,148 | \$54,937,606 | \$9,232,791 | \$10,391,257,042        |
| 12,071,458                          | State Street MSCI US Index<br>SL CTF           | 2,485,993,604   | 463,772,325     | 3,117,886    | 15,708,628   | 2,639,986   | 2,971,232,429           |
| 90,168,059                          | State Street MSCI ACWI ex<br>USA SL Fund       | 1,525,975,551   | 284,677,011     | 1,913,850    | 9,642,415    | 1,620,500   | 1,823,829,327           |
| 34,495,942                          | Blackrock MSCI EAFE Small<br>Cap Equity        | 538,665,779     | 100,490,315     | 675,584      | 3,403,750    | 572,033     | 643,807,461             |
| 16,225,148                          | Blackrock Emerging<br>Markets Small Cap Equity | 223,797,341     | 41,750,314      | 280,682      | 1,414,143    | 237,660     | 267,480,140             |
| 3,742,903                           | Blackrock MSCI CA Small<br>Cap Equity          | 59,223,850      | 11,048,453      | 74,277       | 374,227      | 62,892      | 70,783,699              |
| <b>Total of index fund holdings</b> |                                                |                 |                 |              |              |             | <b>\$16,168,390,098</b> |

### Top 10 equity holdings

| Units                                  | Description                | SCRS         | PORS        | GARS     | JSRS      | SCNG     | Fair value           |
|----------------------------------------|----------------------------|--------------|-------------|----------|-----------|----------|----------------------|
| 234,676                                | Prologis Inc               | \$24,078,464 | \$4,491,937 | \$30,199 | \$152,148 | \$25,570 | \$28,778,318         |
| 24,310                                 | Equinix Inc                | 15,945,243   | 2,974,651   | 19,998   | 100,756   | 16,933   | 19,057,581           |
| 264,470                                | Equity Residential         | 14,597,762   | 2,723,273   | 18,308   | 92,241    | 15,502   | 17,447,086           |
| 149,820                                | Digital Realty Trust Inc   | 14,273,894   | 2,662,854   | 17,902   | 90,195    | 15,158   | 17,060,003           |
| 463,350                                | Invitation Homes Inc       | 13,336,166   | 2,487,917   | 16,726   | 84,269    | 14,162   | 15,939,240           |
| 52,560                                 | Public Storage             | 12,835,804   | 2,394,572   | 16,098   | 81,108    | 13,631   | 15,341,213           |
| 169,270                                | Welltower Inc              | 11,456,136   | 2,137,190   | 14,368   | 72,390    | 12,166   | 13,692,250           |
| 224,970                                | Realty Income Corp         | 11,254,249   | 2,099,527   | 14,115   | 71,114    | 11,951   | 13,450,956           |
| 584,469                                | Brixmor Property Group Inc | 10,758,396   | 2,007,023   | 13,493   | 67,981    | 11,425   | 12,858,318           |
| 296,810                                | UDR Inc                    | 10,668,571   | 1,990,265   | 13,380   | 67,413    | 11,329   | 12,750,958           |
| <b>Total of top 10 equity holdings</b> |                            |              |             |          |           |          | <b>\$166,375,923</b> |

## South Carolina Retirement Systems List of Largest Assets Held as of June 30, 2023 (cont.)

### Top 10 fixed income holdings

| Par value                                    | Description                                               | SCRS         | PORS        | GARS     | JSRS      | SCNG     | Fair Value           |
|----------------------------------------------|-----------------------------------------------------------|--------------|-------------|----------|-----------|----------|----------------------|
| 36,900,000                                   | Commit to Purchase<br>FNMA SF Mtg 3.50% due<br>08/01/2053 | \$28,167,380 | \$5,254,741 | \$35,327 | \$177,986 | \$29,912 | \$33,665,346         |
| 28,800,000                                   | Commit to Purchase<br>FNMA SF Mtg 3.00% due<br>08/01/2053 | 21,242,604   | 3,962,895   | 26,642   | 134,229   | 22,558   | 25,388,928           |
| 29,800,000                                   | U.S. Treasury Bond 2.50%<br>due 02/15/2045                | 19,265,956   | 3,594,143   | 24,163   | 121,739   | 20,459   | 23,026,460           |
| 18,202,440                                   | Gores Pipe LLC 8.00% due<br>11/30/2024                    | 15,229,757   | 2,841,174   | 19,101   | 96,235    | 16,173   | 18,202,440           |
| 19,651,645                                   | VICOF III Trust 0.00% due<br>12/31/2024                   | 14,729,333   | 2,747,817   | 18,473   | 93,072    | 15,642   | 17,604,337           |
| 17,300,000                                   | Commit to Purchase<br>FNMA SF Mtg 4.50% due<br>08/01/2053 | 13,927,988   | 2,598,323   | 17,468   | 88,009    | 14,791   | 16,646,579           |
| 13,900,000                                   | Commit to Purchase<br>FNMA SF Mtg 4.00% due<br>07/01/2053 | 10,912,623   | 2,035,795   | 13,686   | 68,955    | 11,589   | 13,042,648           |
| 13,000,000                                   | Commit to Purchase<br>FNMA SF Mtg 5.00% due<br>09/01/2053 | 10,667,885   | 1,990,138   | 13,379   | 67,409    | 11,329   | 12,750,140           |
| 12,362,251                                   | FNMA Pool #0CB6320<br>5.50% due 05/01/2053                | 10,306,728   | 1,922,762   | 12,927   | 65,127    | 10,945   | 12,318,489           |
| (13,900,000)                                 | Commit to Purchase<br>FNMA SF Mtg 2.00% due<br>08/01/2053 | (9,501,095)  | (1,772,468) | (11,916) | (60,036)  | (10,090) | (11,355,605)         |
| <b>Total of top 10 fixed income holdings</b> |                                                           |              |             |          |           |          | <b>\$161,289,762</b> |

A complete list of portfolio holdings is available upon request.



**PEBA**<sup>SM</sup>  
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SCPEBA 122023

Data classification: public information

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