

# 55th Annual Comprehensive Financial Report

*For Fiscal Year Ended June 30, 2023*



Piedmont, Missouri  
LAGERS member since 1974

MISSOURI LOCAL GOVERNMENT  
EMPLOYEES RETIREMENT SYSTEM  
*A Pension Trust Fund of the State of Missouri*



# MISSOURI LOCAL GOVERNMENT EMPLOYEES RETIREMENT SYSTEM

**Fifty-Fifth Annual Comprehensive Financial Report**  
**Fiscal Year Ended June 30, 2023**

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**Bill Betts**

Executive Director

**Melissa K. Rackers, CPA, CGFM, CEBS**

Chief Financial Officer



**Missouri Local Government Employees Retirement System**  
*A Pension Trust Fund of the State of Missouri*

701 W. Main St., P.O. Box 1665  
Jefferson City, MO 65102  
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# | Section I: Introduction



# We believe in a secure retirement for all.

For over 55 years, Missouri LAGERS has helped local government workers prepare for a secure financial future.

We not only provide our members with a path to a financially secure and dignified exit from the workforce, we also remain one of the most economically efficient and effective tools for local government employers to recruit new and retain experienced talent in Missouri's public workforce.

LAGERS believes great communities start with great public servants, and we are committed to investing in Missouri's public workforce by incentivizing dedicated service through secure retirement benefits.

When local government workers are confident in their financial future, they can focus on doing what they do best: **serving Missouri's communities.**

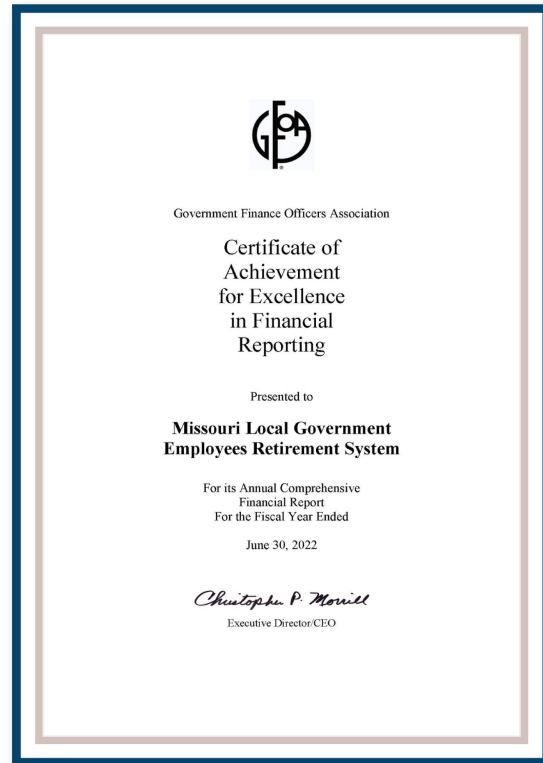


**Branson, Missouri**  
*LAGERS member since 1978*

# Awards

## Government Finance Officers Association (GFOA)

2022 Certificate of Achievement for Excellence in Financial Reporting

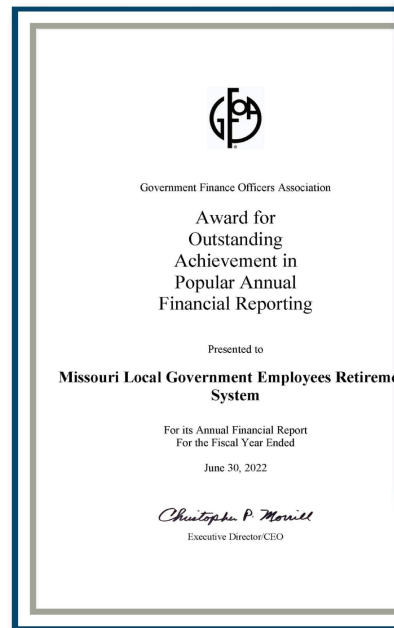


## Public Pension Coordinating Council (PPCC)

2022 Public Pensions Standards Award for Funding and Administration

## Government Finance Officers Association (GFOA)

2022 Award for Outstanding Achievement in Popular Annual Financial Reporting



## Fiscal Year 2023 Highlights

<b>Financial</b>	
Fiduciary net position	\$ 10,393,696,940
Administrative expenses	11,523,643
Net investment and securities lending income	363,258,298
Investment rate of return	4.3 %
<b>Funding</b>	
Actuarial value of assets	\$ 10,141,171,396
Actuarial accrued liability	10,659,313,394
Unfunded accrued liability	518,141,998
Funded ratio	95.1 %
<b>Contributions</b>	<b>\$ 323,130,090</b>
Employer	294,401,267
Member	24,351,062
Service purchases	4,377,761
<b>Distributions</b>	<b>\$ 458,664,609</b>
Annuity benefits	455,448,261
Refunds	3,216,348
<b>Membership</b>	<b>75,833</b>
Active members	36,453
Inactive members	9,844
Retirees and beneficiaries	29,536
<b>Participating Political Subdivisions</b>	<b>861</b>
Cities	342
Counties	61
Health agencies	72
Special districts	65
Water districts	43
Road districts	29
Fire districts	61
Emergency services	73
Libraries	49
Soil & water conservation districts	66

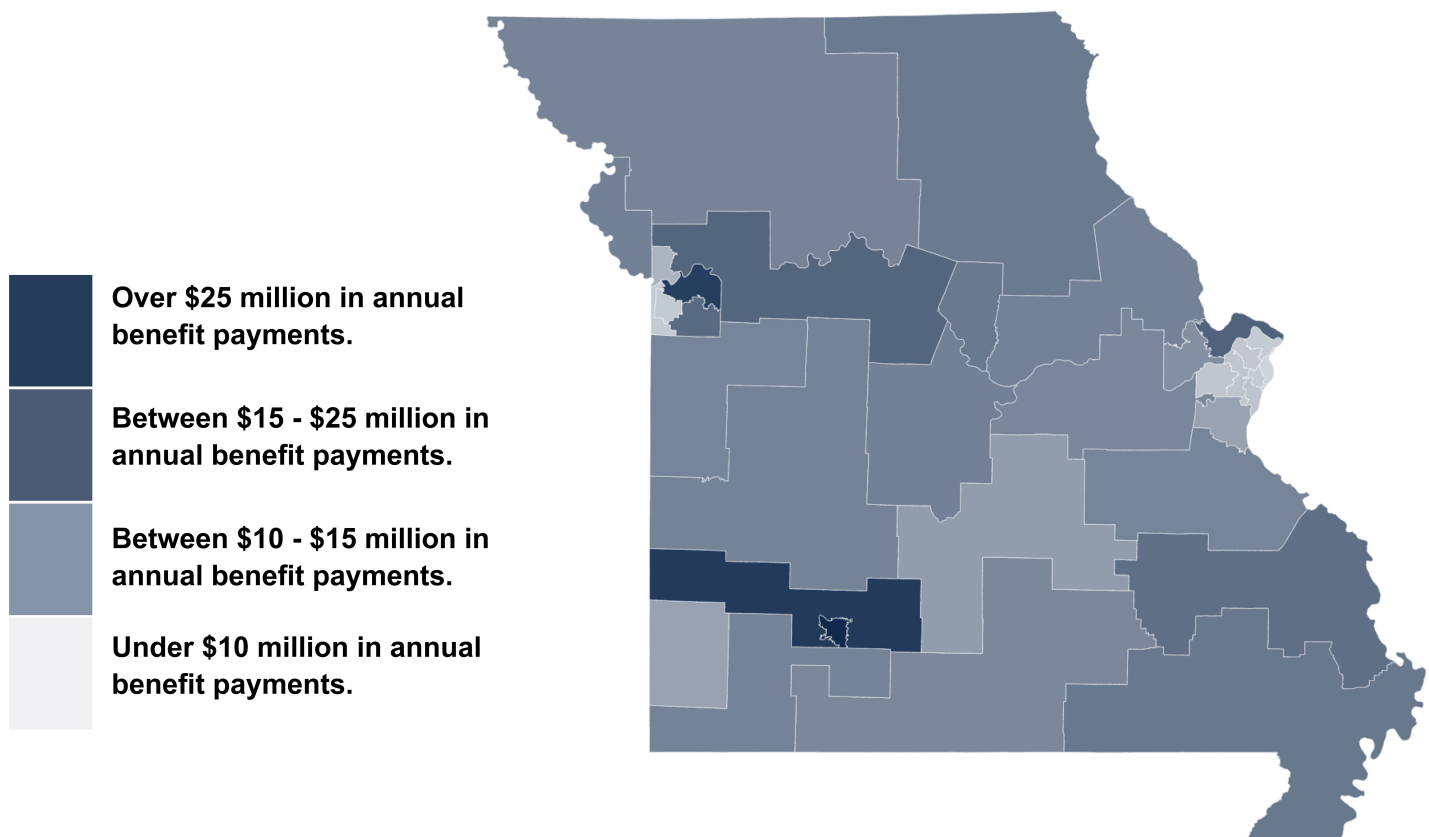


## Economic Impact (As of June 30, 2023)

Each year, approximately 92% of the retirement income paid to benefit recipients remains in the communities in which it was earned. LAGERS retirees spend their secure, prefunded benefits within the local communities helping support vibrant economies. And because LAGERS benefits are not impacted by market fluctuations, retirees' economic impact even can be felt during economic downturns.

According to the National Institute on Retirement Security (NIRS), every \$1 paid in pension benefits in Missouri supported \$1.31 in total economic output for the state, meaning LAGERS retirees returned \$553 million in economic impact to the Show-Me state in fiscal year 2023!

### Annual Benefits Paid by Missouri Senatorial District



In fiscal year 2023, LAGERS paid out  
**\$459 million to 29,536 benefit recipients**, with 92%  
 (\$422 million) staying in Missouri.

## Professional and Consulting Services

### Actuary

- Gabriel, Roeder, Smith & Company

### Auditor

- Williams-Keepers, LLC

### Board Investment Consultant

- RVK, Inc.

### Investment Managers

#### Alpha

- AQR Capital Management

#### Equity

- AJO Vista, LLC
- Alchemy Partners
- Allspring Global
- Borromin Capital
- Brentwood Associates
- Catterton Partners
- Copeland Capital Management

#### Fixed Income

- Aberdeen Standard Investments
- AJOVista, LLC
- Alchemy Partners
- Avenue Capital Group
- BC Partners Advisors
- Brentwood Associates
- Catterton Partners
- Eagle Private Capital
- EIG Global Energy Partners

#### Real Assets / Return

- AJOVista, LLC
- Avenue Capital Group
- BentallGreenOak
- Blue Vista Capital Management
- CBRE Investors
- Crow Holdings
- EIG Global Energy Partners
- Europa Capital Partners
- Fireside Financial

#### Strategic

- AJOVista, LLC
- Allegro
- Avenue Capital Group
- Dock Square Capital

### Custodian

- Northern Trust Company

### Legal Counsel

- Husch Blackwell, LLP
- Seyfarth Shaw, LLP
- Thompson Coburn, LLP

- Bridgewater Associates

- Dimensional Fund Advisors
- Federated MDT Advisors
- FSN Capital Partners
- Jennison Associates
- Pamlico Capital
- Portfolio Advisors
- RFE Investment Partners

- Fidelity Institutional Asset Management
- Fireside Financial
- Garrison Investment Group
- Global Infrastructure Partners
- HBG Advisors
- Hoisington Investment Management
- Pacific Investment Management Co.
- Portfolio Advisors

- Garrison Investment Group
- Glenmont Partners
- Global Infrastructure Partners
- I Squared Capital Advisors
- Lease Corporation International
- Machine Investment Group
- Noble Investment Group
- Pacific Investment Management
- Portfolio Advisors

- Garrison Investment Group
- Healthcare Royalty Partners
- Machine Investment Group

### Legislative Consultant

- Flotron & McIntosh

### Medical Advisors

- University of Massachusetts Medical School

### Software

- Sagitec Solutions

- BlackRock

- Russell
- Seizert Capital Partners
- Silvercrest Asset Management Group
- Tailwind Capital
- Timberland Investment Resources
- Walter Scott & Partners Limited

- Related Fund Management
- Resource Capital Funds
- RFE Investment Partners
- Russell
- Sound Mark Partners
- Star Mountain Capital
- Stonepeak
- Tailwind Capital

- Prudential Real Estate Investors
- Redcar Fund Management
- Related Fund Management
- Resource Capital Funds
- Sole Shipping
- Sound Mark Partners
- Stonepeak
- Timberland Investment Resources

- Resource Capital Funds
- Soryn IP GP I
- Sound Mark Partners

# LAGERS Board of Trustees

The Board's principal role is to ensure that LAGERS is appropriately governed and managed. The Board is to serve the best interest of members and beneficiaries and to protect the assets of the system. Trustees approve strategy and policy and delegate day-to-day management of the retirement system to staff. The LAGERS Board of Trustees is made up of three elected Member Trustees, three elected Employer Trustees and one appointed Citizen Trustee.

**Member Trustees** must be active employee members of LAGERS and are elected by a vote of the members at the LAGERS' Annual Meeting.

**Employer Trustees** must be elected or appointed officials of a LAGERS' participating employer, cannot be members of the system, and are elected at LAGERS' Annual Meeting.

**The Citizen Trustee** is neither an active member or employer official and is appointed by the governor.

## Member Trustees



**Joan Jadali, CPFO, CEBS**  
Chairperson  
City of Town & Country  
*Term Expires:*  
12-31-2026



**Arby Todd**  
City of Lee's Summit  
*Term Expires:*  
12-31-2025



**Sandy Walker**  
City of Poplar Bluff  
*Term Expires:*  
12-31-2024

## Employer Trustees



**Frank Buck**  
Vice-Chairperson  
Appointed Official of  
DeKalb County  
*Term Expires:*  
12-31-2024



**Tony Kelley**  
Appointed Official of  
Central Jackson Fire  
Protection District  
*Term Expires:*  
10-26-2023



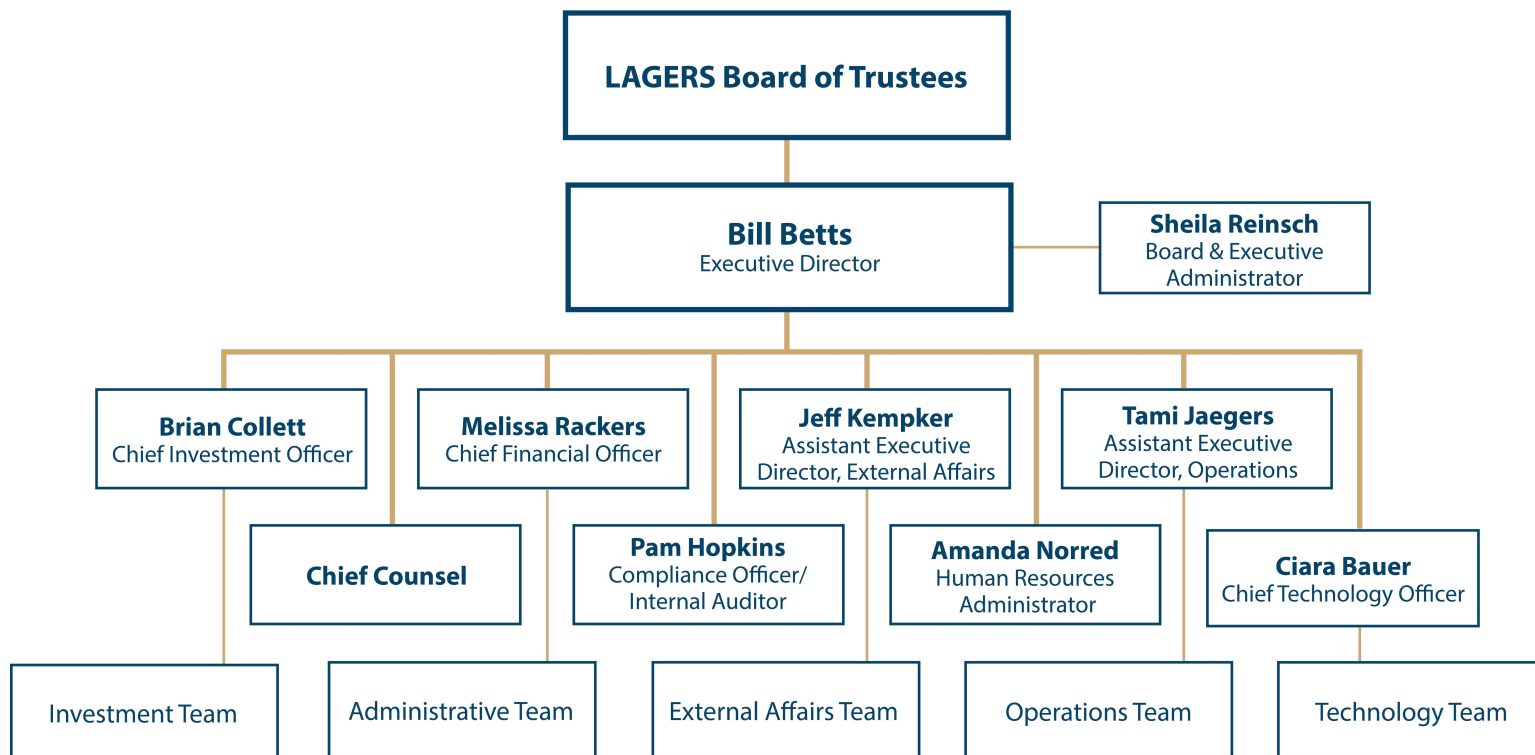
**Chad Munsey**  
Appointed Official of  
City of Springfield  
*Term Expires:*  
10-26-2023

## Citizen Trustee



**Claire West**  
Citizen Trustee  
*Term Expires:*  
12-31-2021

# Administrative Organization



*For more information on investment professionals who provide services to LAGERS, refer to the Asset Allocation on page 62, the Schedule of Advisor Fees on page 69, and the Brokerage Schedule on page 70.*



# Letter of Transmittal



## MISSOURI LOCAL GOVERNMENT EMPLOYEES RETIREMENT SYSTEM

701 West Main, P.O. Box 1665, Jefferson City, Missouri 65102  
 Telephone (573) 636-9455 • 800-447-4334 • FAX (573) 636-9671  
[www.molagers.org](http://www.molagers.org)

October 26, 2023

To the Board of Trustees, Members, Retirees, Beneficiaries, and Participating Political Subdivisions of the Missouri Local Government Employees Retirement System:

The Annual Report of the Missouri Local Government Employees Retirement System (LAGERS) for the fiscal year ended June 30, 2023, is submitted herewith. The management of LAGERS is responsible for the compilation and accuracy of the financial, investment, actuarial, and statistical information contained in this report. Responsibility for both the accuracy of the data, and completeness and fairness of the presentation, rests with the management of the system. We trust that you will find this annual report helpful in understanding your public employee retirement system – a system which continues to maintain a strong and positive financial future.

The LAGERS system was established in 1967 consisting of 10 employers and has subsequently expanded to include 861 political subdivisions of the state. A listing of the current political subdivisions can be found in the Statistical Section.

### STRATEGIC PLANNING

The core of our strategic planning is our values. Our values are the beliefs that we hold dear and provide the guidance for how we conduct ourselves. Our values provide the support for our mission and vision statements. With these three components in place we were able to develop a three-year strategic plan which includes critical success factors, key strategies, objectives and action items. The four critical success factors are: funding sustainability, stakeholder engagement, team member engagement, and technology and innovation. The strategic plan then became the basis for the annual business plan and budgeting process for the fiscal year. The development of the business plan is a coordinated effort of the LAGERS management team.

Some highlights of accomplishments made in 2023 include:

- LAGERS named Bill Betts as the system's seventh Executive Director in January 2023. Prior to joining LAGERS, Bill served as the Assistant Executive Director, Operations for the Public School and Education Retirement Systems of Missouri where he was responsible for the day-to-day operations of the Systems.
- Completion of a comprehensive RFP process resulting in LAGERS retaining Northern Trust Company for custodial banking services.
- Began the process of completing an asset-liability study to evaluate the asset allocation mixes that best meet the projected liquidity and long-term demands of the system. This study is performed by LAGERS investment team along with our actuarial firm, Gabriel, Roeder, Smith & Company, and our board investment consultant, RVK, Inc. The asset-liability study is expected to be completed during the 2024 fiscal year.
- The Internal Revenue Service released new withholding forms for pension payments requiring software programming changes as well as communication and education initiatives to current retirees and beneficiaries. These changes were successfully completed on-time.
- Federal legislation known as Secure 2.0 was passed during the fiscal year which included several provisions applicable to LAGERS. These provisions also required software programming changes which have been completed as of the writing of this letter.
- With our vision of a "Secure Retirement for All", LAGERS began an initiative to research the possibility of creating a separate retirement plan for volunteer fire fighters in the state of Missouri. The research initiative is expected to extend through the 2024 fiscal year.

# Letter of Transmittal (continued)

## ACCOUNTING SYSTEMS AND REPORTS

The report was prepared to conform with the principles of governmental accounting and reporting as put forth by the Governmental Accounting Standards Board (GASB) and the American Institute of Certified Public Accountants.

The Government Finance Officers Association of the United States and Canada awarded a Certificate of Achievement for Excellence in Financial Reporting to the LAGERS system for its annual comprehensive financial report for the fiscal year ended June 30, 2022. LAGERS has received this prestigious award for its annual report in each of the last 45 years.

In order to be awarded a Certificate of Achievement, a governmental unit must publish an easily readable and efficiently organized annual comprehensive financial report, the contents of which conform to program standards. Such reports must satisfy both generally accepted accounting principles and applicable legal requirements. We believe this report continues to conform to the Certificate of Achievement Program requirements, and we are submitting it to the Government Finance Officers Association to determine its eligibility for another certificate.

The Financial section of the report contains the independent auditors' letter, management's discussion and analysis, the financial statements, notes, required supplementary information, and supplementary information. Management's discussion and analysis provides a narrative introduction and overview of the financial statements and should be read in conjunction with those statements.

Transactions of the LAGERS system are reported on the accrual basis of accounting. The management of the system is charged with maintaining a sound system of internal controls. The objectives of such a system are to provide management with reasonable assurance, rather than absolute assurance, that assets are safeguarded against loss from unauthorized use, and they are recorded properly to permit the preparation of financial statements. Even though there are inherent limitations in any system of internal controls because the cost of a control should not exceed the benefits to be derived, the management of LAGERS makes every effort to ensure that through systematic reporting and internal reviews, errors or fraud are quickly detected and corrected.

## REVENUES

The collection of employer and employee contributions, as well as income from investments, provides the reserves needed to finance retirement benefits. Contributions and investment income for fiscal year 2023 total \$686,388,388. This amount includes realized and unrealized gains/losses. Employee contribution rates are elected by the political subdivision and can vary from 0%, 2%, 4%, or 6%. Employer contribution rates are computed annually by the system's actuaries and vary by political subdivision. Additional information about employer contribution rates can be found in the Actuarial Section of this report.

## EXPENSES

The principal purpose for which LAGERS was created was to provide retirement annuities, survivor benefits, and total and permanent disability benefits to qualified members and their beneficiaries. The cost of such programs includes recurring benefit payments as designated by the plan, refunds of contributions to terminated employees, and the cost of administering the system. Expenses for fiscal year 2023 totaled \$468,156,450, an increase of 9.9% over fiscal year 2022 expenses. The increase in expenses resulted primarily from monthly payments to the additional number of retirees and partial lump-sum payments to retirees. The increase in expenses is also due to cost of living increases provided to all retirees or beneficiaries having been retired for more than 12 months as of June 30, 2022. The cost of living adjustment as of October 1, 2022 was 4% for all qualifying retirees and beneficiaries.

## INVESTMENTS

Investment returns are key to the financial stability of the LAGERS system. Investment returns make up approximately two-thirds of the funds needed to pay retirees and beneficiaries. For fiscal year 2023, investments provided a 4.3% rate of return. The longer time periods of 5, 10 and 20 years provided returns of 7.9%, 8.5%, and 8.5%, respectively.

The investments of LAGERS are governed primarily by an investment authority known as the "prudent person rule". The prudent person rule establishes a standard for all fiduciaries, which includes anyone that has authority with respect to the fund. The prudent person standard states that fiduciaries shall discharge their duties solely in the interest of the fund participants and beneficiaries and with the degree of diligence, care, and skill which prudent men and women would

ordinarily exercise under similar circumstances in a like position. By permitting further diversification of investments within a fund, the prudent person standard may enable a fund to reduce overall risk and increase return. A summary of the asset allocation can be found in the Investment Section of this report.

The prudent person rule permits the fund to establish an investment policy based upon certain investment criteria and allows for the delegation of investment authority to professional investment advisors. The statement of investment policy outlines the responsibility for the investment of the fund and the degree of risk that is deemed appropriate for the fund. Investment advisors are to execute the investment policy in accordance with the statutory authority, the Board policy and their respective guidelines, but are to use full discretion within the policy and guidelines. A summary of the investment policy can be found in the Investment Section of this report.

## FUNDING

A pension fund is well funded when it has enough money in reserve to meet all expected future obligations to participants. The LAGERS funding objective is to meet long term benefit promises through contributions that remain approximately level as a percent of member payroll. The greater the level of funding, the larger the ratio of assets accumulated to the actuarial accrued liability and the greater the level of investment potential. At June 30, 2023, the system has a funded status of 95.1%. The advantage of a well funded plan is that the participants can look at assets that are committed to the payment of benefits. A detailed discussion of funding is provided in the Actuarial Section of this report.

Each participating political subdivision chooses its own benefit provisions from various options in order to provide retirement, death, and disability benefits for the political subdivision's employees. LAGERS provides each political subdivision with an annual actuarial valuation prepared by the system's actuaries for the purpose of revising employer contribution rates and examining the reserve strength of each separately experience-rated group. While the LAGERS system reports an overall funded ratio, each participating political subdivision also has its own funded ratio. A chart displaying the distribution of funded ratios among the participating political subdivisions can be found on page 28.

## PROFESSIONAL SERVICES

Professional consultants are appointed by the Board of Trustees to perform professional services that are essential to the effective and efficient operation of LAGERS. An opinion from the certified public accountant and the actuary are included in this report. The consultants utilized by the system are listed in the Introductory Section and the fees associated with their services are provided in the Financial Section of this report.

## ACKNOWLEDGMENTS

The compilation of this report reflects the combined effort of the LAGERS team under the leadership of the Board of Trustees. It is intended to provide complete and reliable information as a basis for making management decisions, as a means of determining compliance with legal provisions, and as a means for determining responsible stewardship of the funds of the system.

The report is being provided electronically and by mail upon request to all employer members of the system. They form the link between LAGERS and its membership. Their cooperation contributes significantly to the success of LAGERS. We trust the employers and their employees find this report informative. An electronic version of this report is available on the LAGERS website at [www.molagers.org](http://www.molagers.org).

On behalf of the Board of Trustees, we would like to take this opportunity to express our gratitude to the team, the advisors, and the many people who have worked so diligently to assure the successful operation of the system.

Respectfully submitted,



**Bill Betts**  
Executive Director

*Bill Betts*



**Melissa K. Rackers, CPA, CGFM, CEBS**  
Chief Financial Officer

*Melissa K. Rackers*

# Chairperson's Report



## MISSOURI LOCAL GOVERNMENT EMPLOYEES RETIREMENT SYSTEM

701 West Main, P.O. Box 1665, Jefferson City, Missouri 65102  
Telephone (573) 636-9455 • 800-447-4334 • FAX (573) 636-9671  
[www.molagers.org](http://www.molagers.org)

October 26, 2023

To all LAGERS stakeholders:

On behalf of the LAGERS Board of Trustees, I am proud to present the Annual Report of the LAGERS system for the fiscal year ending June 30, 2023. Within this report, you will find a detailed analysis of the financial, investment, and actuarial performance of the system.

The LAGERS Board of Trustees works continuously to fulfill our fiduciary duty to our members. Ensuring your financial assets are well-managed is paramount to everything we do. The Board, in collaboration with LAGERS staff, works diligently to deliver exceptional results for our membership, and I believe this report affirms our continued success.

This past year was a year of transition for LAGERS as we welcomed Bill Betts as the system's new executive director. Having previously served as the assistant executive director for the Public School and Education Employee Retirement Systems of Missouri (PSRS/PEERS), Bill brings tremendous leadership and pension expertise to his new role at LAGERS. We are confident under his leadership, we will build on our past successes while infusing new energy into future strategic initiatives.

I am pleased to report that despite the system's leadership transition, we have not missed a beat as we fulfill our fiduciary duty to our membership. Over the past year, we continued to focus on the key initiatives of our three-year strategic plan, which prioritizes:

- Safeguarding member assets to ensure long-term sustainability,
- Providing superior service to the membership,
- Ensuring top-tier staff and service providers,
- Optimizing the use of technology, and
- Striving for innovation in all areas of the organization.

Of note, LAGERS welcomed its very first chief technology officer. As we navigate the ever-changing hi-tech landscape, I believe this new role will help LAGERS improve our utilization of technology. Not only do we see opportunities to leverage technology to enhance the member experience, but we also see opportunities to commit new resources toward the system's information and data security. I am confident that the addition of this new role will serve the membership well now and into the future.

I am also pleased to report that despite a challenging investment year, the LAGERS' portfolio and plan design continue to deliver positive long-term results for our members. This includes a ten-, fifteen- and twenty-year return of 8.5%, 7.9%, and 8.5%, respectively. As we look forward, your Board of Trustees is committed to our long-term focus as we guide the system into the future. I believe the future is bright for LAGERS, and I look forward to helping deliver a secure retirement for all of Missouri's local government workers.

It is a pleasure to serve as your chair of the LAGERS Board of Trustees. On behalf of myself, and the entire Board, I would like to extend my thanks to you and our entire membership for your continued service to Missouri's communities. As always, it is an honor and a privilege to serve you.

Respectfully Submitted,



**Joan Jadali, CPFO, CEBS**  
LAGERS Board Chairperson





## | Section II: **Financial**



# Independent Auditors' Report



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 3220 West Edgewood, Suite E, Jefferson City, MO 65109  
 OFFICE (573) 635-6196 FAX (573) 644-7240  
[www.williamskeepers.com](http://www.williamskeepers.com)

## INDEPENDENT AUDITORS' REPORT

The Board of Trustees  
 Missouri Local Government  
 Employees Retirement System

### Opinion

We have audited the accompanying statement of fiduciary net position of the Missouri Local Government Employees Retirement System (the System), as of June 30, 2023, and the related statement of changes in fiduciary net position for the year then ended, and the related notes to the financial statements, which collectively comprise the System's basic financial statements as listed in the table of contents.

In our opinion, the financial statements referred to above present fairly, in all material respects, the fiduciary net position of the System as of June 30, 2023, and the changes in fiduciary net position for the year then ended, in accordance with U.S. generally accepted accounting principles.

### Basis for Opinion

We conducted our audit in accordance with U.S. generally accepted auditing standards. Our responsibilities under those standards are further described in the Auditors' Responsibilities of the Audit of the Financial Statements section of our report. We are required to be independent of the System and to meet our ethical responsibilities, in accordance with the relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinions.

### Responsibilities of Management for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with U.S. generally accepted accounting principles; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about the System's ability to continue as a going concern for twelve months beyond the financial statement date, including any currently known information that may raise substantial doubt shortly thereafter.

### Auditors' Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditors' report that includes our opinions. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with generally accepted auditing

standards will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

In performing an audit in accordance with generally accepted auditing standards, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the System's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about the System's ability to continue as a going concern for a reasonable period of time.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control-related matters that we identified during the audit.

#### **Required Supplementary Information**

U.S. generally accepted accounting principles require that the management's discussion and analysis on pages 21 through 28 and the schedules of investment returns, changes in net pension liability and related ratios, changes in net OPEB liability and related ratios, and employer contributions on pages 50 through 54 be presented to supplement the basic financial statements. Such information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board, who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context.

We have applied certain limited procedures to the required supplementary information in accordance with U.S. generally accepted auditing standards, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

# Independent Auditors' Report (continued)

**Other Information**

Our audit was conducted for the purpose of forming an opinion on the financial statements that collectively comprise the Systems' basic financial statements. The introductory, investment, actuarial and statistical sections as listed in the table of contents, and the schedule of changes in fiduciary net position by reserves, schedule of administrative expenses, schedule of investment expenses, and schedule of payments to consultants on pages 56 through 58 are presented for purposes of additional analysis and are not a required part of the basic financial statements.

The schedule of changes in fiduciary net position by reserves, schedule of administrative expenses, schedule of investment expenses, and schedule of payments to consultants on pages 56 through 58 are the responsibility of management and were derived from and relate directly to the underlying accounting and other records used to prepare the financial statements. The information on pages 56 through 58 have been subjected to the auditing procedures applied in the audit of the basic financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the basic financial statements or to the basic financial statements themselves, and other additional procedures in accordance with U.S. generally accepted auditing standards. In our opinion, the information on pages 56 through 58 is fairly stated in all material respects in relation to the basic financial statements as a whole.

The introductory, investment, actuarial and statistical sections have not been subjected to the auditing procedures applied in the audit of the basic financial statements.

*Williams - Keegans LLC*

Columbia, Missouri  
October 26, 2023



# Management's Discussion & Analysis (MD&A)

Management is pleased to present this overview and analysis of the financial activities of the Missouri Local Government Employees Retirement System (LAGERS) for the year ended June 30, 2023. We encourage readers to consider the information presented in conjunction with the Letter of Transmittal which can be found in the Introductory Section as well as the financial statements, required supplementary information, and supplementary information, which follow the MD&A.

## REQUIRED FINANCIAL STATEMENTS

LAGERS, an agent multiple-employer public employee retirement system, administers three trust funds: the LAGERS Plan Trust Fund, the LAGERS Staff Retirement Plan Trust Fund, and the LAGERS Staff Retiree Healthcare Supplement Trust Fund. The LAGERS Plan Trust Fund accounts for the resources available for the benefits of the LAGERS system. The LAGERS Staff Retirement Plan Trust Fund and the LAGERS Retiree Healthcare Supplement Trust Fund account for the resources available for the pension and other post-employment benefits of the employees of the LAGERS system. The following is a summary of the basic financial statements:

- The Statement of Fiduciary Net Position presents the assets available for future payments of benefits to members, retirees, and beneficiaries and current liabilities owed as of June 30, 2023.
- The Statement of Changes in Fiduciary Net Position includes the annual additions and deductions for the year ended June 30, 2023. Additions include investment income and contributions made by members and employers. Deductions include benefit payments and administrative expenses.
- The Notes to Financial Statements provide additional information that is essential to a full understanding of the data in the basic financial statements.
- The Required Supplementary Information includes the historical money-weighted investment returns on the LAGERS Plan Trust Fund. It also includes a ten-year Schedule of Changes in Net Pension or OPEB Liability and Schedule of Employer Contributions for the LAGERS Staff Retirement Plan and LAGERS Staff Retiree Healthcare Supplement.
- The Supplementary Information includes a Schedule of Changes in Fiduciary Net Position by Reserves, Schedule of Administrative Expenses, Schedule of Investment Expenses, and Schedule of Payments to Consultants for the LAGERS plan for the year ended June 30, 2023.

These financial statements and required disclosures are prepared in accordance with Generally Accepted Accounting Principles (GAAP) and reporting guidelines set forth by the Governmental Accounting Standards Board (GASB).

## FINANCIAL REPORTING HIGHLIGHTS

- LAGERS investment return for the fiscal year is 4.3%, short of the assumed rate of return of 7.0%. While LAGERS one-year return was below the assumed rate of return, returns over the last 3, 5, 10, 15, and 20-year periods all exceed the assumed rate of return as well as LAGERS benchmark return.
- LAGERS funded ratio continues to remain healthy at 95.1%. LAGERS funded ratio decreased by 1.4% primarily due to larger than expected pay increases. While this is good news for our membership, it does put upward pressure on the plan liabilities and employer contribution rates.
- LAGERS benefit payments continued to grow during the fiscal year with total benefit payments nearing \$459 million, an increase of 10.0%. Of the \$459 million in benefit payments, \$423 million was paid to retirees residing in Missouri. Many of these retirees continue to live in the communities they served so the pension they receive is reinvested in their local communities.

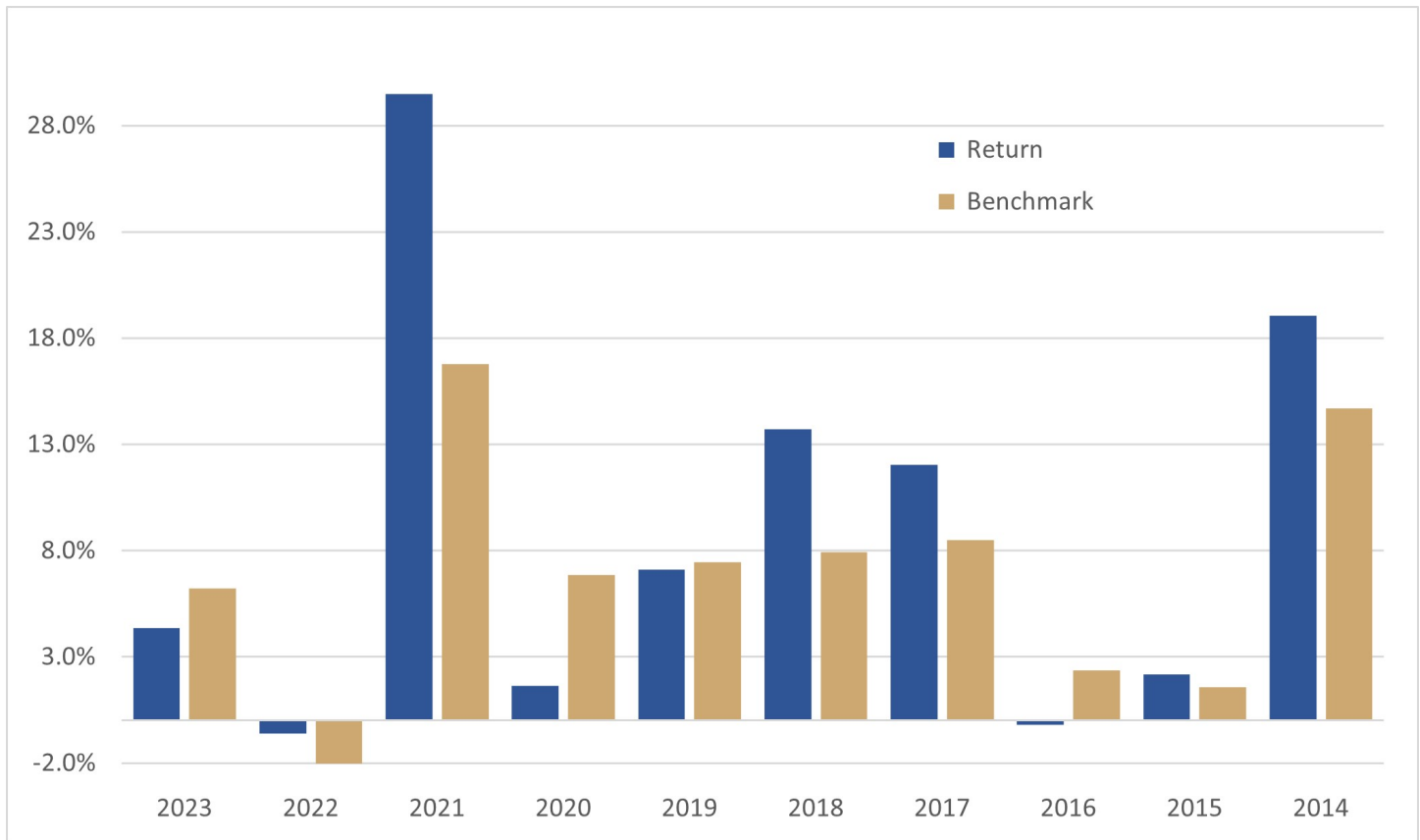
# Management's Discussion & Analysis (MD&A) (continued)

## LAGERS TRUST FUND COMPARATIVE FINANCIAL STATEMENTS

LAGERS provides retirement, death, and disability benefits to employees of participating political subdivisions. The table below is a summary of LAGERS' Fiduciary Net Position (in thousands) as of June 30. The fiduciary net position of the LAGERS Trust Fund increased \$218 million during the current fiscal year.

Comparative Statement of Fiduciary Net Position				
	2023	2022	Increase (Decrease) Amount	Increase (Decrease) Percent
<b>Assets</b>				
Cash	\$ 7,351	\$ 9,703	\$ (2,352)	(24)%
Receivables and accrued income	50,178	43,011	7,167	17
Prepaid expenses	94	105	(11)	(10)
Investments	10,676,547	10,463,178	213,369	2
Invested securities lending collateral	450,609	423,963	26,646	6
Capital assets	7,081	7,844	(763)	(10)
Total assets	\$ 11,191,860	\$ 10,947,804	\$ 244,056	2 %
<b>Deferred outflow of resources</b>				
Outflows related to pensions	\$ 5,813	\$ 6,240	\$ (427)	(7)%
Outflows related to OPEB	788	1,015	(227)	(22)
Total deferred outflow of resources	\$ 6,601	\$ 7,255	\$ (654)	(9)%
<b>Liabilities</b>				
Payables and accrued expenses	\$ 5,086	\$ 3,733	\$ 1,353	36 %
Collateral for securities on loan	450,609	423,963	26,646	6
Line of Credit	344,500	344,500	—	0
Net pension liability	2,316	5,352	(3,036)	(57)
Net OPEB Liability	1,033	1,128	(95)	(8)
Total liabilities	\$ 803,544	\$ 778,676	\$ 24,868	3 %
<b>Deferred inflow of resources</b>				
Inflows related to pensions	\$ 1,012	\$ 668	\$ 344	51 %
Inflows related to OPEB	208	250	(42)	(17)
Total deferred inflow of resources	\$ 1,220	\$ 918	\$ 302	33 %
<b>Net position restricted for pension benefits</b>	<b>\$ 10,393,697</b>	<b>\$ 10,175,465</b>	<b>\$ 218,232</b>	<b>2 %</b>

The net position as of June 30, 2023 totaled \$10.4 billion. The most significant component of LAGERS fiduciary net position is the fair value of the trust fund's investment portfolio. The annualized return for the fiscal year is 4.3%. While the annual performance return can provide insight into the financial activities, long-term views and trends are critical factors in understanding the financial status of LAGERS. The chart on the next page shows the annual performance returns and benchmarks for each of the past 10 years.



Receivables and accrued income consist of investments, employer contributions, and employee contributions that will settle in the future. The change in prepaid expenses and payables and accrued expenses reflects the difference in timing of normal business and investment activity. The deferred outflow and inflow of resources are related to the pension plan and retiree healthcare plan administered for the LAGERS staff. The changes in outflows and inflows are due to the differences in expected and actual experience.

# Management's Discussion & Analysis (MD&A) (continued)

The table below is a summary of LAGERS' Changes in Fiduciary Net Position (in thousands) for the year ended June 30.

Comparative Statement of Changes in Fiduciary Net Position				
	2023	2022	Increase (Decrease) Amount	Increase (Decrease) Percent
<b>Additions</b>				
Member contributions	\$ 28,729	\$ 27,662	\$ 1,067	4 %
Employer contributions	294,401	280,828	13,573	5
Net investment income	365,090	6,014	359,076	5,971
Net securities lending income	(1,832)	1,816	(3,648)	(201)
Total additions	\$ 686,388	\$ 316,320	\$ 370,068	117 %
<b>Deductions</b>				
Benefit payments	\$ 455,448	\$ 414,234	\$ 41,214	10 %
Annuities awarded		526	(526)	(100)
Refunds	3,216	2,890	326	11
Expenses	9,492	8,190	1,302	16
Total deductions	\$ 468,156	\$ 425,840	\$ 42,316	10 %
<b>Change in net position available for benefits</b>	<b>\$ 218,232</b>	<b>\$ (109,520)</b>	<b>\$ 327,752</b>	<b>299 %</b>
Net position restricted for pension benefits at beginning of fiscal year	\$ 10,175,465	\$ 10,284,985	\$ (109,520)	(1)%
<b>Net position restricted for pension benefits at end of fiscal year</b>	<b>\$ 10,393,697</b>	<b>\$ 10,175,465</b>	<b>\$ 218,232</b>	<b>2 %</b>

Additions to fund benefits are accumulated through contributions and investment income. LAGERS' net investment income reflects the investment markets for fiscal year 2023. The increase in employer contributions is reflective of the increased contribution rates determined by the previous year's actuarial valuations as well as increased payroll. Benefit payments continue to increase which will be the trend as the system matures.



## LAGERS STAFF RETIREMENT PLAN

### COMPARATIVE FINANCIAL STATEMENTS

LAGERS Staff Retirement Plan (LSRP) provides retirement, death, and disability benefits to the employees of the LAGERS system. The table below is a summary of LSRP's Fiduciary Net Position (in thousands) as of June 30.

Comparative Statement of Fiduciary Net Position				
	2023	2022	Increase (Decrease) Amount	Increase (Decrease) Percent
<b>Assets</b>				
Investments	\$ 26,688	\$ 21,519	\$ 5,169	24 %
Total assets	\$ 26,688	\$ 21,519	\$ 5,169	24 %
<b>Net position restricted for pension benefits</b>	<b>\$ 26,688</b>	<b>\$ 21,519</b>	<b>\$ 5,169</b>	<b>24 %</b>

This table presents a \$5.2 million increase in net position. The increase in net position reflects the investment markets this past year which resulted in a 6.5% annualized return. The increase also reflects an additional employer contribution made to the plan during the fiscal year.

The table below is a summary of LSRP's Changes in Fiduciary Net Position (in thousands) for the year ended June 30.

Comparative Statement of Changes in Fiduciary Net Position				
	2023	2022	Increase (Decrease) Amount	Increase (Decrease) Percent
<b>Additions</b>				
Employer contributions	\$ 4,809	\$ 1,759	\$ 3,050	173 %
Net investment income (loss)	1,412	(3,055)	4,467	146
Total additions	\$ 6,221	\$ (1,296)	\$ 7,517	580 %
<b>Deductions</b>				
Benefit payments	\$ 1,052	\$ 479	\$ 573	120 %
Total deductions	\$ 1,052	\$ 479	\$ 573	120 %
<b>Change in net position available for benefits</b>	<b>\$ 5,169</b>	<b>\$ (1,775)</b>	<b>\$ 6,944</b>	<b>391 %</b>
Net position restricted for pension benefits at beginning of fiscal year	\$ 21,519	\$ 23,294	\$ (1,775)	(8)%
<b>Net position restricted for pension benefits at end of fiscal year</b>	<b>\$ 26,688</b>	<b>\$ 21,519</b>	<b>\$ 5,169</b>	<b>24 %</b>

Additions to fund benefits are accumulated through contributions and investment income. LSRP's net investment income reflects the investment markets for fiscal year 2023. The increase in employer contributions is the result of an additional lump sum employer contribution made to improve the funded level of the plan per the plan's funding policy. The increase in benefit payments is due to a lump sum payment elected along with two additional retirees for fiscal year 2023. The increase in benefit payments also reflects the 4.0% cost of living adjustment provided to retirees and beneficiaries effective July 1, 2022.

# Management's Discussion & Analysis (MD&A) (continued)

## LAGERS STAFF RETIREE HEALTHCARE SUPPLEMENT COMPARATIVE FINANCIAL STATEMENTS

LAGERS Staff Retiree Healthcare Supplement (LSRHS) provides a healthcare subsidy to eligible staff retirees of the LAGERS system. The table below is a summary of LSRHS's Fiduciary Net Position (in thousands) as of June 30.

Comparative Statement of Fiduciary Net Position				
	2023	2022	Increase (Decrease) Amount	Increase (Decrease) Percent
<b>Assets</b>				
Investments	\$ 2,870	\$ 2,460	\$ 410	17 %
Total assets	\$ 2,870	\$ 2,460	\$ 410	17 %
<b>Net position restricted for OPEB benefits</b>	<b>\$ 2,870</b>	<b>\$ 2,460</b>	<b>\$ 410</b>	<b>17 %</b>

This table presents a \$410 thousand increase in net position. The increase in net position reflects the investment markets this past year which resulted in a 7.4% annualized return.

The table below is a summary of LSRHS Changes in Fiduciary Net Position (in thousands) for the year ended June 30.

Comparative Statement of Changes in Fiduciary Net Position				
	2023	2022	Increase (Decrease) Amount	Increase (Decrease) Percent
<b>Additions</b>				
Employer contributions	\$ 283	\$ 258	\$ 25	10 %
Net investment income (loss)	180	(327)	507	155
Total additions	\$ 463	\$ (69)	\$ 532	771 %
<b>Deductions</b>				
Benefit payments	\$ 53	\$ 48	\$ 5	10 %
Total deductions	\$ 53	\$ 48	\$ 5	10 %
<b>Change in net position available for benefits</b>	<b>\$ 410</b>	<b>\$ (117)</b>	<b>\$ 527</b>	<b>450 %</b>
Net position restricted for OPEB benefits at beginning of fiscal year	\$ 2,460	\$ 2,577	\$ (117)	(5)%
<b>Net position restricted for OPEB benefits at end of fiscal year</b>	<b>\$ 2,870</b>	<b>\$ 2,460</b>	<b>\$ 410</b>	<b>17 %</b>

Additions to fund benefits are accumulated through contributions and investment income. LSRHS net investment income reflects the investment markets for fiscal year 2023. The increase in employer contributions is the result of an increase in covered payroll.

## FUNDING STATUS

A pension plan is well funded when it has sufficient assets invested to meet all expected future obligations to participants. The greater the level of funding – the larger the ratio of assets to actuarial accrued liability. One goal of LAGERS' funding policy is for participating political subdivisions to be fully funded. To achieve this, annual contributions are made at an actuarially determined rate.

The LAGERS funding policy is designed to achieve the following objectives:

- Maintain adequate assets to fund future benefits
- Maintain stable employer contribution rates
- Maintain public policy goals of transparency and accountability
- Promote intergenerational equity

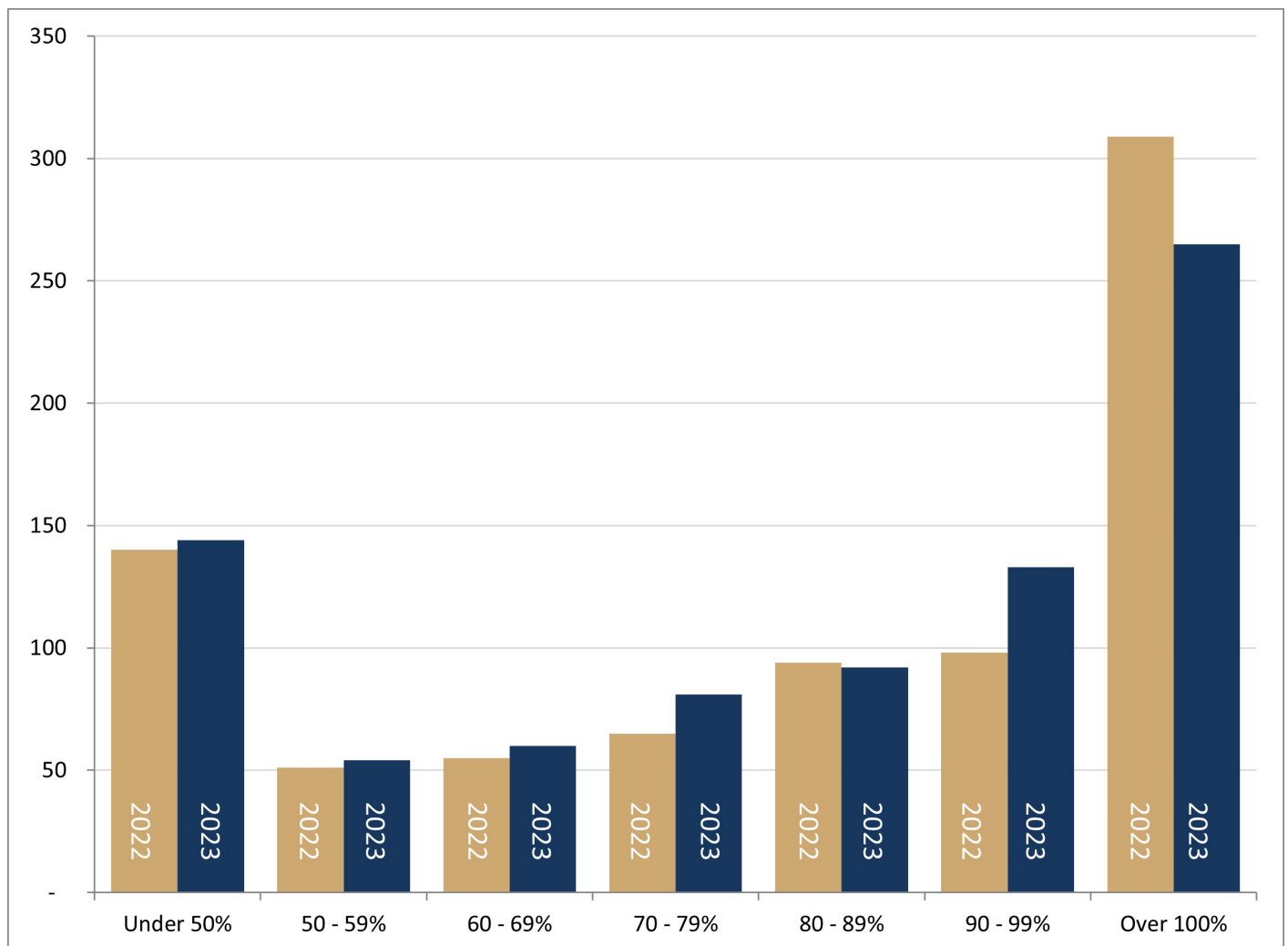
As an agent multiple-employer plan, assets are pooled for investment purposes but separate accounts are maintained for each employer. Each participating employer is responsible for its own plan liabilities; an employer cannot borrow from another employer account to pay for pension expenses. A measure of an employer's funding progress is the ratio of its actuarial assets to actuarial accrued liabilities. The funded status is determined for each employer as well as for the plan as a whole.

The most recent actuarial valuations were prepared as of February 28, 2023. At that time, the overall funded ratio of the LAGERS system was 95.1 percent. This ratio gives an indication of how well LAGERS' funding objective is being met. LAGERS' actuary uses a five-year smoothed market-related value to determine the actuarial value of assets. The smoothing prevents extreme volatility in employer contribution rates due to short-term fluctuations, positive or negative, in the investment markets. A ten-year schedule of funding progress is provided on the next page.



LAGERS Schedule of Funding Progress Status						
Valuation Date	Actuarial Value of Assets	Entry Age Actuarial Accrued Liability	Unfunded Accrued Liability (UAL)	Funded Ratio	Annual Covered Payroll	UAL as a % of Covered Payroll
2-28-23	\$ 10,141,171,396	\$ 10,659,313,394	\$ 518,141,998	95.1 %	\$ 2,033,390,262	25.5 %
2-28-22	9,571,802,740	9,921,792,457	349,989,717	96.5	1,880,488,829	18.6
2-28-21	8,777,415,976	9,182,065,489	404,649,513	95.6	1,816,911,441	22.3
2-29-20	8,083,990,980	8,630,842,143	546,851,163	93.7	1,787,038,817	30.6
2-28-19	7,698,244,648	8,113,100,648	414,856,000	94.9	1,682,772,357	24.7
2-28-18	7,297,699,793	7,631,702,645	334,002,852	95.6	1,616,895,524	20.7
2-28-17	6,764,626,389	7,135,950,253	371,323,864	94.8	1,555,729,666	23.9
2-29-16	6,320,171,438	6,671,352,337	351,180,899	94.7	1,507,588,470	23.3
2-28-15	5,972,471,342	6,324,109,191	351,637,849	94.4	1,462,218,216	24.0
2-28-14	5,388,198,677	5,873,910,959	485,712,282	91.7	1,456,008,487	33.4

The chart below represents a distribution of funded percentage of actuarial accrued liability among the participating political subdivisions as of February 28, 2022 and February 28, 2023.



# Statement of Fiduciary Net Position

June 30, 2023	LAGERS	LSRP	LSRHS
<b>Assets</b>			
Cash	\$ 7,350,485		
Receivables:			
Member	2,957,902		
Employer	22,721,845		
Accrued investment income	24,498,576		
Total receivables	50,178,323		
Prepaid expenses	93,690		
Investment at fair value:			
Short-term investments	962,537,094	\$ 3,851,689	\$ 303,887
Government bonds	493,676,258	4,181,669	
Corporate bonds	246,567,746	1,697,208	546,767
International bonds	735,021,894	1,295,125	143,023
Mortgage and asset-backed securities	329,105,712		
Domestic stocks	648,953,906	11,764,992	877,821
International stocks	828,501,478	3,896,819	615,536
Real estate	1,123,232,197		382,970
Partnerships	4,406,400,840		
Absolute return	785,382,519		
Other alternative investments	117,167,240		
Total investments	10,676,546,884	26,687,502	2,870,004
Invested securities lending collateral	450,609,428		
Capital assets	15,808,561		
Less accumulated depreciation	8,727,422		
Net capital assets	7,081,139		
Total assets	\$ 11,191,859,949	\$ 26,687,502	\$ 2,870,004
<b>Deferred outflow of resources</b>			
Outflows related to pension	\$ 5,813,464		
Outflows related to OPEB	787,721		
Total deferred outflow of resources	\$ 6,601,185		
<b>Liabilities</b>			
Accounts payable and accrued expenses	\$ 423,628		
Accrued investment expenses	4,661,755		
Collateral for securities on loan	450,609,428		
Line of credit	344,500,000		
Net pension liability	2,316,301		
Net OPEB liability	1,033,031		
Total liabilities	\$ 803,544,143		
<b>Deferred inflow of resources</b>			
Inflows related to pension	\$ 1,012,054		
Inflows related to OPEB	207,997		
Total deferred inflow of resources	\$ 1,220,051		
<b>Net position - restricted for pension or OPEB benefits</b>	<b>\$ 10,393,696,940</b>	<b>\$ 26,687,502</b>	<b>\$ 2,870,004</b>

See accompanying notes to financial statements.

# Statements of Changes in Fiduciary Net Position

Year Ended June 30, 2023	LAGERS	LSRP	LSRHS
<b>Additions</b>			
Contributions:			
Member	\$ 28,728,823		
Employer	294,401,267	\$ 4,808,728	\$ 282,974
Total contributions	323,130,090	4,808,728	282,974
Investment income:			
Interest income	159,872,207	175,408	28,221
Dividend income	38,812,483	81,018	29,541
Other income	(128,165,571)		5,400
Net appreciation in fair value	425,596,972	1,155,713	116,973
Total investment income	496,116,091	1,412,139	180,135
Less investment expenses	131,025,679	429	
Net investment income	365,090,412	1,411,710	180,135
Securities lending income	16,317,415		
Less securities lending expenses:			
Borrower rebates	18,149,113		
Commissions paid	416		
Total securities lending expenses	18,149,529		
Net securities lending (loss)	(1,832,114)		
Net additions	\$ 686,388,388	\$ 6,220,438	\$ 463,109
<b>Deductions</b>			
Benefits paid:			
Annuity benefits	\$ 455,448,261	\$ 1,052,327	\$ 53,261
Refunds	3,216,348		
Total benefits paid	458,664,609	1,052,327	53,261
Annuities awarded			
Administrative expenses	11,523,643		
Pension expense (gain)	(2,485,109)		
OPEB expense (gain)	453,307		
Net deductions	\$ 468,156,450	\$ 1,052,327	\$ 53,261
<b>Net increase in net position</b>	<b>\$ 218,231,938</b>	<b>\$ 5,168,111</b>	<b>\$ 409,848</b>
Net position restricted for pension or OPEB benefits at June 30, 2022	\$ 10,175,465,002	\$ 21,519,391	\$ 2,460,156
<b>Net position restricted for pension or OPEB benefits at June 30, 2023</b>	<b>\$ 10,393,696,940</b>	<b>\$ 26,687,502</b>	<b>\$ 2,870,004</b>

See accompanying notes to financial statements.



# Notes to Financial Statements (Year Ended June 30, 2023)

## (1) Summary of Significant Accounting Policies and Plan Asset Matters

### Basis of Accounting:

The financial statements were prepared using the accrual basis of accounting. Employee and employer contributions are recognized in the period in which the contributions are due and for which employee services have been rendered. Benefits and refunds are recognized when due and payable in accordance with the terms of the plan. Expenses are recorded when the corresponding liabilities are incurred, regardless of when payment is made.

### Use of Estimates:

The preparation of financial statements in conformity with U.S. generally accepted accounting principles (GAAP) requires Missouri Local Government Employees Retirement System (LAGERS) to use estimates and assumptions that affect the accompanying financial statements and disclosures. Actual results could differ from those estimates.

### Reporting Entity:

The accompanying financial statements include the accounts of the LAGERS retirement system pursuant to RSMo 70.605.18 which requires an audit to be performed by a certified public accountant. RSMo 70.605.21 provides the LAGERS Board of Trustees with the authority to govern its own proceedings and administer the LAGERS retirement system. The LAGERS Board of Trustees established retirement and postemployment healthcare plans (Notes (5) and (6)), for its employees who administer the LAGERS retirement system. Such plans are considered to be part of the reporting entity as a fiduciary component unit and thus are included in the accompanying financial statements. Separate financial statements for the individual component units can be obtained by contacting the LAGERS office.

### Method Used to Value Investments:

Investments are reported at fair value. Fair value is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. Fair value of investments is based on published market prices and quotations from major investment brokers at current exchange rates, as available. Short-term investments are reported at cost, which approximates fair value. Bonds and stocks traded on a national or international exchange are valued at the reported sales price at current exchange rates. Mortgages are valued on the basis of future principal and interest payments, and are discounted at prevailing interest rates for similar instruments. Fair values for alternative investments in timberland and real estate represent net asset value estimates provided by the general partner's administrators or portfolio managers and are compared to independent appraisals. The fair value of the absolute return and partnership portfolios are based upon the valuations of the underlying companies as determined by the general partner or portfolio manager. Investments that do not have an established markets are reported at estimated fair value. The estimated fair values can be significantly affected by uncertainty and volatility in financial markets. Consequently, fair value estimates in such instances may be subject to wide variations.

### Capital Assets:

The office buildings, software, equipment and fixtures, which are presented at cost, are depreciated on the straight-line method over the estimated useful lives of the related assets, which have an original cost of \$2,500 or greater. The estimated useful lives are as follows: building -25 years, furniture -5 and 8 years, equipment -3, 5, and 8 years and internally generated computer software -15 years. The stated value does not imply to represent replacement or realized value. Expenditures for maintenance and repairs are charged to administrative expenses as incurred.

### New Accounting Pronouncements:

In May 2020, GASB issued Statement No. 96 – Subscription-Based Information Technology Arrangements. The primary objective of this Statement is to provide guidance on the accounting and financial reporting for subscription-based information technology arrangements (SBITA). Statement No. 96 is effective for LAGERS' June 2023 financial statements. LAGERS had no material SBITAs that would require reporting.

# Notes to Financial Statements (continued)

In April 2022, GASB issued Statement No. 99 - Omnibus 2022. The requirements of this Statement relate to the extension of the use of LIBOR, accounting for SNAP distributions, disclosures of nonmonetary transactions, pledges of future revenues by pledging governments, clarification of certain provisions in Statement No. 34, and terminology updated related to Statement No. 53 and Statement No. 63. This Statement is effective for LAGERS' June 2023 and 2024 financial statements. LAGERS is reviewing the portions that affect its financial statements and will adopt as required.

In June 2022, GASB issued Statement No. 100 - Accounting Changes and Error Corrections. This Statement is effective for LAGERS' June 2024 financial statements. LAGERS is currently reviewing how this statement will impact future reporting.

In June 2022, GASB issued Statement No. 101 - Compensated Absences. This Statement is effective for LAGERS' June 2024 financial statements. LAGERS is currently reviewing how this statement will impact future reporting.

## (2) Plan Description

LAGERS was established in 1967 and is administered in accordance with RSMo. 70.600-70.755. LAGERS is an agent multiple-employer, statewide public employee retirement plan for units of local government which is legally separate and fiscally independent of the State of Missouri.

Responsibility for the operation and administration of the plan is vested in the LAGERS Board of Trustees consisting of seven persons. Three trustees are elected by the employees who participate in the system, three trustees are elected or appointed by the members of the governing bodies of those political subdivisions which participate in the system, and one trustee is appointed by the governor of the State of Missouri. The regular term of office for members of the LAGERS Board of Trustees is four years. Members of the LAGERS Board of Trustees serve without compensation with respect to their duties, but are reimbursed by LAGERS for their actual and necessary expenses incurred in the performance of their duties.

At June 30, 2023, there were 861 participating political subdivisions in the system. Any political subdivision in Missouri may elect to have its full-time general, police, fire, and public safety employees covered by LAGERS. At June 30, 2023, LAGERS membership consisted of the following:

	General	Police	Fire	Public Safety	Total
Retirees and beneficiaries currently receiving benefits:	22,561	5,260	1,705	10	29,536
Terminated employees entitled to benefits but not yet receiving them:	7,042	2,334	461	7	9,844
Active employees:	26,305	6,821	2,980	347	36,453
<b>Total</b>	<b>55,908</b>	<b>14,415</b>	<b>5,146</b>	<b>364</b>	<b>75,833</b>

LAGERS provides retirement, death and disability benefits to employees of participating political subdivisions. All benefits vest after five years of credited service. Employees who retire on or after age 60 (55 for police, fire and public safety) with five or more years of service are entitled to an allowance for life based upon the benefit program then in effect for their political subdivision. Employees may retire with an early retirement benefit with a minimum of five years of credited service and after attaining age 55 (50 for police, fire and public safety) and receive a reduced allowance. The LAGERS Board of Trustees establishes the benefit plans and provisions that are available for adoption. The political subdivision's governing body adopts all benefits of the plan. Benefit terms provide for annual post retirement adjustments to each member's retirement allowance subsequent to the member's retirement date. The annual adjustment is based on the increase in the Consumer Price Index and is limited to 4 percent per year.

If the political subdivision participates under the contributory plan, each member contributes either 2, 4, or 6 percent of gross salary based on the employer election. If an employee leaves covered employment or dies before attaining five years of credited service, accumulated employee contributions are refunded to the employee or designated beneficiary. Each participating employer is required by statute to contribute the remaining amounts necessary to finance the coverage of its own employees. Benefit and contribution provisions are fixed by state statute and may be amended only by action of the state legislature.

A summary of plan provisions is discussed in more detail in the Actuarial Section.

### (3) Investments and Deposits

The LAGERS Board of Trustees has the fiduciary responsibility and authority to oversee the investment portfolio. The purpose of LAGERS' investment fund is to accumulate the financial reserves necessary to provide for the retirement or pensioning of employees and beneficiaries of member political subdivisions in the state of Missouri. Various professional investment managers are contracted to manage the LAGERS' assets. Investment decisions are subject to statutory regulations and the Statement of Investment Policy and Objectives adopted by the LAGERS Board of Trustees.

LAGERS' asset allocation is an important determinant of achieving the investment goals of the fund. An asset allocation study is conducted at least every five years to assess portfolio construction and design. Factors influencing the allocation include projecting actuarial liabilities, historical and expected long-term market returns and risk, future economic conditions, inflation and interest rate risks and liquidity requirements.

Investment manager selection is an important decision involving complex due diligence. Managers are selected after a lengthy and time consuming process involving a review of the quantitative and qualitative components as well as the manager's investment process. Once selected, managers are monitored and reviewed for investment performance.

Other investment processes and procedures include daily capital calls, cash flow reconciliations, trade settlements, weekly portfolio review, monthly account reconciliations, performance reporting and reviews, quarterly conference calls and asset reallocation reviews.

A summary of the investment policy can be found in the Investment Section.

The annual money weighted rate of return on pension plan investments is calculated as the internal rate of return on pension plan investments, net of investment expenses. This expresses investment performance adjusted for the changing amounts actually invested throughout the year, measured on monthly inputs with expenses measured on an accrual basis. For the fiscal year 2023, the annual money weighted rate of return net of investment expenses measured on monthly inputs was 4.27 percent.

There are no investment funds where the portfolio of the fund exceeds 5 percent of the fiduciary net position.

#### **Deposits:**

Custodial credit risk for deposits is the risk that, in the event of a financial institution failure, LAGERS' deposits may not be returned. The deposits are held in one financial institution with a balance of up to \$250,000 insured by the Federal Deposit Insurance Corporation (FDIC). LAGERS mitigates custodial credit risk for deposits by requiring the bank to pledge securities in an amount over the FDIC insured amount at least equal in fair value to 100 percent of the aggregate amount of the deposits. These securities are required to be delivered to a third party institution mutually agreed upon by the bank and LAGERS.

#### **Investment Policies:**

The Missouri Revised Statutes prescribe the "prudent person rule" as LAGERS investment authority. The rule requires LAGERS to make investments with the same care, skill, prudence, and diligence under the circumstances then prevailing that a prudent person acting in a similar capacity and familiar with those matters would use in the conduct of a similar enterprise with similar aims. Within the "prudent person" framework, the Board of Trustees adopts investment guidelines for LAGERS investment managers that are included within the respective management agreements. The Investment Section contains a summary of these guidelines.

# Notes to Financial Statements (continued)

## Investment Summary:

The following table presents the summary of LAGERS investments by type at June 30, 2023.

Short-term investments	\$ 962,537,094
Government bonds	493,676,258
Corporate bonds	246,567,746
International bonds	735,021,894
Mortgages & asset backed securities	329,105,712
Domestic stocks	648,953,906
International stocks	828,501,478
Real estate	1,123,232,197
Partnerships	4,406,400,840
Absolute return	785,382,519
Other alternative investments	117,167,240
<b>Total</b>	<b>\$ 10,676,546,884</b>

The investments listed below are not listed on national exchanges, over-the-counter markets, nor do they have quoted market prices available.

Bank loans *	\$ 32,141,106
Partnerships	4,406,400,840
Real estate	1,123,232,197
Absolute return	785,382,519
<b>Total</b>	<b>\$ 6,347,156,662</b>

\*Bank loans are included in corporate bonds in the investment summary

LAGERS values these investments in good faith based upon audited financial statements or other information provided to LAGERS by the underlying investment managers. The estimated fair value of these investments may differ significantly from values that would have been used had a ready market existed.

## Fair Value Measurements:

LAGERS categorizes their fair value measurements within the fair value hierarchy established by generally accepted accounting principles. The hierarchy is based on the valuation inputs used to measure the fair value of the asset and give the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (level 1 measurements) and the lowest priority to unobservable inputs (level 3 measurements).

Level 1	Unadjusted quoted prices for identical instruments in active markets.
Level 2	Quoted prices for similar instruments in active markets; quoted prices for identical or similar instruments in markets that are not active; and model-derived valuations in which all significant inputs are observable.
Level 3	Valuations derived from valuation techniques in which significant inputs are unobservable.

Investments that are measured at fair value using the net asset value per share (or its equivalent) as a practical expedient are not classified in the fair value hierarchy.

In instances where inputs used to measure fair value fall into different levels in the fair value hierarchy, fair value measurements in their entirety are categorized based on the lowest level input that is significant to the valuation. The System assessment of the significance of particular inputs to these fair value measurements requires judgment and considers factors specific to each asset or liability. The table on the following page show the fair value leveling of the investments for the System.



The categorization of investments within the hierarchy is based upon the pricing transparency of the instrument and should not be perceived as the particular investment's risk.

Assets classified in Level 1 of the fair value hierarchy are valued directly from a predetermined primary external pricing vendor. Assets classified in Level 2 are subject to pricing by an alternative pricing source due to lack of information available by the primary vendor. Real estate and Partnership assets classified in Level 3, due to lack of an independent pricing source, are valued using an internal fair value as provided by the investment manager.

### Investments and Derivative Instruments Measured at Fair Value

	Fair Value	Level 1	Level 2	Level 3
<b>Investments by fair value level</b>				
US government bonds				
Government bonds	\$ 373,742,754		\$ 373,742,754	
Municipal/provincial bonds	213,376		213,376	
Index linked government bonds	119,780,738		119,780,738	
Fixed income derivatives - options	(60,610)	\$ (60,610)		
Total US government bonds	\$ 493,676,258	\$ (60,610)	\$ 493,736,868	
US corporate bonds				
Corporate bonds	\$ 34,923,162		\$ 30,352,789	\$ 4,570,373
Bank loans	154,882,843		122,741,737	32,141,106
Total US corporate bonds	\$ 189,806,005		\$ 153,094,526	\$ 36,711,479
International bonds				
Corporate bonds	\$ 162,724,048		\$ 162,723,389	\$ 659
Corporate convertible bonds	2,651,956		2,651,956	
Fixed income derivatives - options	140,264		140,264	
Government agencies	44,159,368	\$ 1,064,011	43,095,357	
Government bonds	174,593,684		162,176,303	12,417,381
Index linked government bonds	344,930,110		312,785,272	32,144,838
Municipal/provincial bonds	114,984		114,984	
Sukuk	5,707,480		5,707,480	
Total international bonds	\$ 735,021,894	\$ 1,064,011	\$ 689,395,005	\$ 44,562,878
Mortgages & asset backed securities				
Asset backed securities	\$ 208,057,789		\$ 198,538,741	\$ 9,519,048
Commercial mortgage-backed	13,739,446		13,057,092	682,354
Government mortgage-backed securities	85,605,809		84,815,559	790,250
Gov't-issued commercial mortgage-backed	1,022,423		1,022,423	
Non-Government backed C.M.O.s	20,680,245	\$ 827,763	19,852,482	
Total mortgages & asset backed securities	\$ 329,105,712	\$ 827,763	\$ 317,286,297	\$ 10,991,652
Domestic stock				
Common stock	\$ 422,282,183	\$ 421,020,363		\$ 1,261,820
Funds - equities ETF	147,071,559	147,071,559		
Preferred stock	79,600,164			79,600,164
Total domestic stock	\$ 648,953,906	\$ 568,091,922		\$ 80,861,984

## Notes to Financial Statements (continued)

## Investments and Derivative Instruments Measured at Fair Value (continued)

	Fair Value	Level 1	Level 2	Level 3
<b>Investments by fair value level</b>				
International stock				
Common stock	\$ 573,396,169	\$ 573,240,886		\$ 155,283
Funds - common stock				
Funds - equities ETF	65,033,928	65,033,928		
Other equity assets	311,562			311,562
Preferred stock	9,585,455	9,585,455		
Rights/warrants	3,738	3,738		
Stapled securities	(1,778)	(1,778)		
Total international stock	\$ 648,329,074	\$ 647,862,229		\$ 466,845
Other alternative investments				
Exchange cleared swaps - other assets	\$ (2,366,938)		\$ (2,366,938)	
Exchange cleared swaps - liabilities				
Other options	(1,027,869)		(1,027,408)	\$ (461)
Swaps	28,292,090		28,292,090	
Miscellaneous	92,269,957		2,700	92,267,257
Total other alternative investments	\$ 117,167,240		\$ 24,900,444	\$ 92,266,796
Real estate	\$ 1,123,232,197			\$ 1,123,232,197
Partnerships	\$ 4,406,400,840			\$ 4,406,400,840
<b>Total investment measured at fair value level</b>	<b>\$ 8,691,693,126</b>	<b>\$ 1,217,785,315</b>	<b>\$ 1,678,413,140</b>	<b>\$ 5,795,494,671</b>
Investments exempt from fair value hierarchy				
Short term investments	\$ 962,537,094			
Total investments exempt	\$ 962,537,094			
Investments measured at the net asset value (NAV)				
US corporate bonds	\$ 56,761,741			
International stocks	180,172,404			
Absolute return	785,382,519			
Total investments measured at the NAV	\$ 1,022,316,664			
<b>Total investments measured at fair value</b>	<b>\$ 10,676,546,884</b>			

## Investments Measured at the NAV

	Net Asset Value	Strategy Type	Fund Life of Non-redeemable Mandates	Unfunded Commitments	Redemption Frequency (if currently eligible)	Redemption Notice Period	Other Redemption Restrictions	Restriction Time Remaining
<b>US Corporate Bonds</b>								
Funds - corporate bond	\$ 38,884,564	Active Global Fixed Income	N/A	—	Daily, Monthly	1 - 5 days	N/A	N/A
Funds - other fixed income	17,877,177	Active US Fixed Income	N/A	—	Daily	1 day	N/A	N/A
<b>International Stocks</b>								
Funds - common stock	180,172,404	Active EM Equity	N/A	—	Daily	1 day	N/A	N/A
<b>Absolute Return</b>								
Hedge equity	165,315,951	Market Neutral	N/A	—	Monthly	60 days	N/A	N/A
Hedge event driven	62,109,285	Multi-strategy	N/A	—	Quarterly	60 days	1 yr initial lock-up	N/A
Hedge market dependent	178,256,987	Managed Futures, Market Neutral	N/A	—	Monthly	5 days	N/A	N/A
Hedge market independent	379,700,296	Market Neutral	N/A	—	Monthly	10 days	\$1mm minimum	N/A
<b>Total investments measured at the NAV</b>	<b>\$1,022,316,664</b>							

The valuation method for investments measured at the net asset value (NAV) per share (or its equivalent) is presented in the table above.

The absolute return asset class provides diversification to the total portfolio and strives to reduce total fund volatility while also enhancing the total return of the portfolio. The strategies underlying this asset class commonly are referred to as hedge funds, which are investment funds that can undertake a wider range of investment and trading activities than other mandates. Most often, hedge funds as a class will trade liquid securities on public markets but may also engage in private transactions. The following sub-asset classes contain hedge funds and their strategies are explained in greater detail below.

- **Hedge equity.** This sub-asset class contains one fund in which the strategy is considered market neutral. It attempts to exploit pricing inefficiencies between related securities, balancing long and short exposures helping to reduce market risk.
- **Hedge event driven.** This sub-asset class is a hedge fund investment strategy that seeks to exploit pricing inefficiencies that may occur before or after a corporate event, such as an earnings call, bankruptcy, merger, acquisition, or spin off. Event driven investing strategies are typically used only by sophisticated investors, such as hedge funds and private equity firms because traditional equity investors, including managers of equity mutual funds, do not have the expertise or access to information necessary to properly analyze the risks associated with many of these corporate events.
- **Hedge market dependent.** This sub-asset class contains one fund in which the strategy is considered market neutral. It attempts to exploit pricing inefficiencies between related securities, balancing long and short exposures helping to reduce market risk.
- **Hedge market independent.** This sub-asset class contains one fund in which the strategy is considered market neutral. It attempts to exploit pricing inefficiencies between related securities, balancing long and short exposures helping to reduce market risk.

# Notes to Financial Statements (continued)

## Custodial Credit Risk for Investments:

The custodial credit risk for investments is the risk that, in the event of the failure of the counterparty to a transaction, LAGERS will not be able to recover the value of investments or collateral securities that are in the possession of an outside party. LAGERS does not have a formal policy for custodial credit risk. As of June 30, 2023, investments in the amount of \$5,267,617 were uninsured and unregistered, with securities held by the counter party or by its trust department or agent but not in LAGERS name.

## Concentration of Credit Risk:

Concentration of credit risk is the risk of loss that may be attributed to the magnitude of a government's investment in a single issue. External investment management firms manage the fixed income portfolio. The allocation of assets among various asset classes is set by the Board with the objective of optimizing the investment return of LAGERS within a framework of acceptable risk and diversification. As of June 30, 2023, no single issue exceeded 5 percent of the portfolio, excluding U.S. government securities.

## Credit Risk:

Credit risk is the risk that an issuer or other counterparty to an investment will not fulfill its obligations to LAGERS. LAGERS does not have a formal policy relating to credit risk. At June 30, 2023, 41 percent of the underlying fixed income assets represent obligations that are not guaranteed by the U.S. government. Below is a list of fixed income credit qualities.

## Quality Rating

	AAA +/-	AA +/-	A +/-	BBB +/-	Non-Investment Grade/Not Rated	Total
US corporate bonds			\$ 540,862	\$ 7,092,137	\$ 238,934,747 #	\$ 246,567,746
US government bonds		\$ 493,523,492			152,766	493,676,258
International bonds	\$ 45,238,658	60,780,887	73,948,727	178,007,843	377,045,779	735,021,894
Mortgage & asset backed securities			285,225	400,153	328,420,334	329,105,712

#Non-investment grade/not rated corporate bonds include investments in corporate bond funds, which include individually rated securities but are not rated at the fund level, as well as bank loans. As of June 30, 2023, corporate bond funds totaled \$38,884,564 and bank loans totaled \$154,882,843.

## Interest Rate Risk:

Interest rate risk is the risk that changes in interest rates will adversely affect the fair value of an investment. Duration is a measure of a debt instrument's exposure to a change in interest rates and the related sensitivity of market price to parallel shifts in the yield curve. It uses the present value of cash flows, weighted for those cash flows as a percentage of the instruments' full price. LAGERS does not have a formal policy relating to interest rate risk. LAGERS benchmarks for the fixed income portfolio include the Consumer Price Index plus 4 percent (Private Fixed Income), Barclays Capital US Aggregate Bond Index, Barclays Capital Global Aggregate Bond Index, Barclays Capital US 20+ Year Treasury Bond Index, and 40% JP Morgan EMBI Global Diversified, 20% JP Morgan GBI-EM Global Diversified, 40% JP Morgan CEMBI Broad Diversified (Emerging Market Debt Blend). At June 30, 2023, the effective duration for the fixed income benchmark portfolio was 4.1 years, whereas, the LAGERS fixed income portfolio had an effective duration of 4.3 years.

Investment	Fair Value	Duration Rate
Government bonds	\$ 1,063,322,148	9.9 years
Corporate bonds	411,943,750	2.2 years
Mortgage & asset-backed securities	329,105,712	1.5 years
<b>Total</b>	<b>\$ 1,804,371,610</b>	



**Foreign Currency Risk:**

The international portfolio is constructed on the principles of diversification, quality, value and growth. Risk of loss arises from changes in currency exchange rates. LAGERS' external managers may or may not hedge the portfolio's foreign currency exposures with currency forward contracts depending upon their views on a specific foreign currency relative to the U.S. dollar. Currency trading may not be used for speculative purposes. LAGERS does not have a formal policy relating to foreign currency risk, as this is handled at the manager level. LAGERS exposure to foreign currency risk can be found on the next page.

## Notes to Financial Statements (continued)

Currency	Foreign Equities	Foreign Fixed Income	Total
Australian dollar	\$ 11,603,473	\$ 11,894,056	\$ 23,497,529
Argentine peso		179,933	179,933
Brazilian real	11,786,805	91,969,999	103,756,804
British pound	60,891,954	24,245,766	85,137,720
Canadian dollar	28,616,197	14,139,220	42,755,417
Chilean peso	1,183,362	9,718,515	10,901,877
Chinese yuan renminbi (offshore)	2,607,724	22,743	2,630,467
Chinese yuan renminbi		24,004,960	24,004,960
Colombian peso		17,167,036	17,167,036
Czech koruna	592,949	5,037,331	5,630,280
Danish krone	20,564,704	3,211,020	23,775,724
Egyptian pound	201,584		201,584
Euro	135,151,777	120,638,688	255,790,465
Hong Kong dollar	22,380,495	1,742,014	24,122,509
Hungarian forint	310,877	819,888	1,130,765
Indonesian rupiah	1,145,305	20,457,225	21,602,530
Indian rupee	38,160,896	14,191,409	52,352,305
Israeli shekel	1,452,769	15,151,937	16,604,706
Japanese yen	86,982,741	39,747,272	126,730,013
Kazakhstan tenge		2,389,877	2,389,877
Kuwaiti dinar		142,299	142,299
Malaysian ringgit	1,279,289	7,206,332	8,485,621
Mexican peso	4,451,097	64,833,768	69,284,865
New Zealand dollar		655,931	655,931
Nigerian naira		237,037	237,037
Norwegian krone	1,939,394	3,392,129	5,331,523
Pakistan rupee	191,889	157,273	349,162
Peruvian Nuevo sol		(3,605,622)	(3,605,622)
Philippine peso	887,133	3,862,034	4,749,167
Polish zloty	2,390,015	(3,324,678)	(934,663)
Romanian leu		7,093,125	7,093,125
Russian ruble	506,936	413,005	919,941
Singapore dollar	3,789,797	1,368,239	5,158,036
South African rand	2,697,088	24,152,683	26,849,771
South Korean won	30,145,613	3,408,272	33,553,885
Swedish krona	9,783,762	4,403,200	14,186,962
Swiss franc	28,492,216	3,047,663	31,539,879
Taiwan dollar	33,198,832	(1,200,477)	31,998,355
Thai baht	6,751,262	7,591,149	14,342,411
Turkish lira	5,530,427	6,440	5,536,867
United Arab Emirates dirham		(1)	(1)
Vietnamese dong		649,802	649,802
	\$ 555,668,362	\$ 541,218,492	\$ 1,096,886,854

**Derivatives:**

Derivative instruments are financial contracts whose values depend on the values of one or more underlying assets, reference rates, or financial indexes. They include futures contracts, swap contracts, options contracts, and forward foreign currency exchange contracts. The tables below summarize the various contracts in the portfolio as of June 30, 2023.

Through LAGERS external managers, LAGERS holds investments in futures contracts, swap contracts, option contracts, and forward foreign currency exchange contracts. LAGERS enters futures and swaps contracts to gain exposure to certain markets and to manage interest rate risk and enters into forward foreign exchange contracts primarily to hedge foreign currency exposure.

The notional values associated with these derivative instruments are generally not recorded in the financial statements; however, the amounts for the exposure of these instruments are recorded in the Statement of Fiduciary Net Position and the total changes in fair value for the year are included as investment income in the Statement of Changes in Fiduciary Net Position. For the year ended June 30, 2023, the change in fair value in futures contracts resulted in \$13.2 million of investment loss, options contracts resulted in \$1.3 million of investment loss, swaps contracts resulted in \$66.7 million of investment loss, and forwards contracts resulted in \$6.4 million of investment gain. LAGERS does not anticipate additional significant market risk from the swap arrangements.

	Notional Value	Unrealized Gain (Loss)
Futures	\$ 563,330,343	
Swaps	797,191,532	\$ 24,722,632
Forwards		
Foreign exchange contracts	491,466,105	(549,212)
Options		
Caps and floors	356,697	19,862
Options	237,985	136,587
Options on futures	16,513,672	(37,116)
Swaptions	144,409,495	(668,499)
	<b>\$ 2,013,505,829</b>	<b>\$ 23,624,254</b>

LAGERS could be exposed to risk if the counterparties to the contracts are unable to meet the terms of the contracts. LAGERS anticipates that the counterparties will be able to satisfy their obligations under the contracts.

At June 30, 2023, the counterparties' credit ratings for futures, forwards, swaps, and options are subject to credit risk as shown in the table below. Derivative instruments traded on the exchange are not subject to counterparty risk and therefore are not included in the table below.

Quality Rating	Forwards	Swaps	Options	Total
A+		\$ 46,959,514	\$ (238,656)	\$ 46,720,858
A		2,499	1,044	3,543
A-		3,729	(521,326)	(517,597)
BBB+		1,426,857		1,426,857
Not available or not rated	\$ (549,212)	(22,896,083)	(213,183)	(23,658,478)
<b>Total subject to credit risk</b>	<b>\$ (549,212)</b>	<b>\$ 25,496,516</b>	<b>\$ (972,121)</b>	<b>\$ 23,975,183</b>

# Notes to Financial Statements (continued)

## Securities Lending Program:

LAGERS participates in a securities lending program administered by Northern Trust Company (the custodian) in accordance with the provisions of RSMo. 70.745. A firm chosen to lend financial securities of the fund has full discretion over the selection of borrowers and shall continually review credit worthiness of potential borrowers through adequate analysis of all material provided to them. The securities lending program shall in no way inhibit the trading activities of the investment managers of the System. The securities lending agent and Investment Team have created separate investment guidelines for the investment of cash collateral to adhere to the Statement of Investment Policy and Objectives.

LAGERS or the borrower can terminate any security loan on demand. Though any loaned security can be sold and reclaimed at any time from the borrower, the weighted average loan life of overall loans was 362 days as of June 30, 2023. Cash collateral is invested in a custom collateral account through Northern Trust Company with a weighted average life of 31 days. LAGERS cannot pledge or sell non-cash collateral unless the borrower defaults. The following table represents the balances relating to the securities lending transactions (in thousands) at June 30, 2023.

Securities Lent	Underlying Securities	Securities Collateral Value	Cash Collateral Value
U.S. government & agency securities	\$ 317,810	\$ 46,580	\$ 271,028
International bonds	87,573	68,094	16,262
U.S. corporate bonds	17,869	164	18,196
U.S. equities	146,498	10,047	139,046
Global equities	34,906	28,377	4,994
Global agencies	3,452	2,251	1,083
<b>Total</b>	<b>\$ 608,108</b>	<b>\$ 155,513</b>	<b>\$ 450,609</b>

The lending agent provides indemnification if the borrowers fail to return the underlying securities (and if the collateral is inadequate to replace the securities lent) or fails to pay income distributions. There were no violations of legal or contractual provisions and no borrower or lending agent default losses to the security lending agent. LAGERS had no credit risk as a result of its securities lending program as the collateral held exceeded the fair value of securities lent.

## (4) Contributions

(a) Each participating unit of local government is obligated by state law to make all required contributions to the plan based upon an annual actuarial valuation.

(b) LAGERS is a pension plan covering substantially all employees of participating units of local government in the state. Each participating unit of government is obligated by state law to make all required contributions to the plan. The required contributions are actuarially determined using the individual entry-age actuarial cost method. There are no long-term contracts for contributions to the plan. All liabilities are amortized over a period of 30 years or less. Assumed administrative expenses are added to the Normal Cost and were 0.4 percent of payroll.

(c) Employee contributions are determined at the election of the governing body of the local subdivision. Should the governing body elect to participate in the contributory plan, all employees shall contribute 2, 4, or 6 percent of gross salary. The governing body may elect to participate in the non-contributory plan which would result in no employee contributions.

(d) The state statutes require LAGERS to maintain five separate reserves which are funded and described below:

*Member Reserve Fund* — The fund in which member contributions and interest credits are accumulated, and from which transfers are made for retirements and refunds, as applicable. The balance at June 30, 2023, was \$201,752,859.



**Employer Reserve Fund** — The fund in which employer contributions and interest credits are accumulated, and from which transfers are made to pay applicable benefits. The fund from which contributions are accumulated and benefit payments in excess of IRC Section 415 are made. The balance at June 30, 2023, was \$4,397,941,844.

**Benefit Reserve Fund** — The fund from which all retirement, disability, survivor and certain deferred retirants due to Legacy Plans benefits are paid. At the time of retirement, this fund receives the necessary transfers to pay such benefits. All retired individuals and the assets of this fund become the sole responsibility of the LAGERS Board of Trustees and result in no further liabilities to the previous employers. The balance at June 30, 2023, was \$5,766,877,788.

**Casualty Reserve Fund** — The fund in which the employer contributions and interest credits are accumulated and from which transfers are made to pay for members retired as a result of disability or whose death is duty related. The balance at June 30, 2023, was \$25,092,647.

**Income-Expense Reserve Fund** — The fund which accumulates the investment income and pays the administrative expenses of the system. This fund provides for the transfer of administrative expenses and investment credits to the other reserves of the system. The remaining balance at June 30, 2023, was \$2,031,802, which is equal to the net of the current year pension gain/expense and OPEB gain/expense for the LAGERS Staff Retirement Plan and LAGERS Postemployment Benefit Plan, respectively.

## (5) LAGERS Staff Retirement Plan

### Summary of Significant Accounting Policies

**Pensions.** For purposes of measuring the net pension liability, deferred outflows of resources and deferred inflows of resources related to pensions, and pension expense, information about the fiduciary net position of the LAGERS Staff Retirement Plan (LSRP) and additions to/deductions from LSRP fiduciary net position have been determined on the same basis as they are reported by the LSRP. For this purpose, benefit payments are recognized when due and payable in accordance with the benefit terms. Investments are reported at fair value.

### General Information about the Pension Plan

**Plan description.** The LSRP is a single-employer defined benefit pension plan administered by the LAGERS Board of Trustees. The plan provides retirement, death and disability benefits to LAGERS employees and beneficiaries. The plan document is controlled by the LAGERS Board of Trustees.

**Benefits provided.** The LSRP provides retirement, death and disability benefits. Benefit provisions are adopted by the LAGERS Board of Trustees. All benefits vest after five years of credited service. Employees who retire with the sum of age plus service equally 80 or more or on or after age 60 with five or more years of service are entitled to an allowance for life based upon the benefit program information provided below. Employees may retire with an early retirement benefit with a minimum of five years of credited service and after attaining age 55 and receive a reduced allowance.

Benefit multiplier	2 %
Final average salary	3 Years
Member contributions	0 %

Benefit terms provide for annual post retirement adjustments to each member's retirement allowance subsequent to the member's retirement date. The annual adjustment is based on the increase in the Consumer Price Index and is limited to 4 percent each year.

**Employees covered by benefit terms.** At June 30, 2023, the following employees were covered by the benefit terms:

Retirees or beneficiaries currently receiving benefits	15
Inactive employees entitled to but not yet receiving benefits	2
Active employees	38
<b>Total</b>	<b>55</b>

# Notes to Financial Statements (continued)

**Contributions.** LAGERS is required to contribute amounts at least equal to the actuarially determined rate. The actuarially determined rate is the estimated amount necessary to finance the cost of benefits earned by employees during the year, with an additional amount to finance an unfunded accrued liability. Full-time employees do not contribute to the pension plan. The employer contribution rate was 27.87 percent of annual covered payroll.

**Net Pension Liability.** The employer's net pension liability was measured as of June 30, 2023, and the total pension liability used to calculate the net pension liability was determined by an actuarial valuation as of June 30, 2023.

**Actuarial assumptions.** The total pension liability in the June 30, 2023, actuarial valuation was determined using the following actuarial assumptions, applied to all periods included in the measurement:

Inflation	2.75 %
Salary increase	2.75% to 6.75%, including wage inflation
Investment rate of return	5.5 %

Mortality rates used in evaluating allowances to be paid were based on 115% of the PubG-2010 Retiree Mortality Table for males and females.

The actuarial assumptions used in the June 30, 2023, valuation were based on the results of an actuarial experience study for the period March 1, 2015, through February 29, 2020.

The long-term expected rate of return on pension plan investments was determined using a model method in which the best-estimate ranges of expected future real rates of return (expected returns, net of investment expenses and inflation) are developed for each major asset class. These ranges are combined to produce the long-term expected rate of return by weighting the expected future real rates of return by the target asset allocation percentage and by adding expected inflation. The target allocation and a weighted average of the geometric real rates of return for each major asset class roll-up are summarized in the following table:

Asset Class	Target Allocation	Long-Term Expected Real Rate of Return
Equity	39.00 %	4.16 %
Fixed income	28.00	1.05
Real assets/real return	33.00	2.09

**Discount rate.** The discount rate used to measure the total pension liability is 5.5 percent. The projection of cash flows used to determine the discount rate assumes that employer contributions will be made at the actuarially determined rates. Based on these assumptions, the pension plan's fiduciary net position was projected to be available to pay all projected future benefit payments of current active and inactive employees. Therefore, the long-term expected rate of return on pension plan investments was applied to all periods of projected benefit payment to determine the total pension liability.

**Changes in Net Pension Liability**

	Increase (Decrease)		
	Total Pension Liability (a)	Plan Fiduciary Net Position (b)	Net Pension Liability (a) - (b)
<b>Balances at June 30, 2022</b>	\$ 26,871,594	\$ 21,519,391	\$ 5,352,203
<b>Changes for the year:</b>			
Service cost	855,338		855,338
Interest	1,472,520		1,472,520
Difference between expected and actual experience	1,386,274		1,386,274
Assumption changes	(529,596)		(529,596)
Contributions - employer		4,808,728	(4,808,728)
Net investment income		1,411,710	(1,411,710)
Benefit payments, including refunds	(1,052,327)	(1,052,327)	
Net changes	2,132,209	5,168,111	(3,035,902)
<b>Balances at June 30, 2023</b>	\$ 29,003,803	\$ 26,687,502	\$ 2,316,301

**Sensitivity of the net pension liability to changes in the discount rate.** The following presents the Net Pension Liability of the employer, calculated using the discount rate of 5.5 percent, as well as what the employer's Net Pension Liability (Asset) would be using a discount rate that is 1 percentage point lower (4.5%) or one percentage point higher (6.5%) than the current rate.

1% Decrease	Current Single Discount Rate Assumption	1% Increase
<b>4.50%</b>	<b>5.50%</b>	<b>6.50%</b>
\$7,609,004	\$2,316,301	\$(1,913,094)

**Plan fiduciary net position.** Detailed information about the plan's fiduciary net position is available in the separately issued financial statements. The LAGERS Board of Trustees issues a publicly available audited financial report that includes financial statements and required supplementary information for the LSRP. This report can be obtained by contacting the LAGERS office.

**Pension Expense and Deferred Outflows of Resources and Deferred Inflows of Resources Related to Pensions**

For the year ended June 30, 2023, the employer recognized pension gain of \$2,485,109. The employer reported deferred outflows and inflows of resources related to pensions from the following sources:

	Deferred Outflows of Resources	Deferred Inflows of Resources
Differences in experience	\$ 3,028,281	
Assumption changes	1,472,529	\$ 1,012,054
Net difference of investment returns	1,312,654	
<b>Total</b>	<b>\$ 5,813,464</b>	<b>\$ 1,012,054</b>

# Notes to Financial Statements (continued)

Amounts reported as deferred outflows and inflows of resources related to pensions will be recognized in pension expense as follows:

Year Ending:	
2024	\$ 1,415,194
2025	1,153,068
2026	1,523,299
2027	216,876
2028	202,784
Thereafter	290,189
	<b>\$ 4,801,410</b>

## Payable to the Pension Plan

As of June 30, 2023, there are no payables for the outstanding amount of contributions to the LSRP plan for the year ended June 30, 2023.

## (6) Staff Postemployment Healthcare Supplement

### Summary of Significant Accounting Policies

**Postemployment Benefits Other Than Pensions (OPEB).** For purposes of measuring the net OPEB liability, deferred outflows of resources and deferred inflows of resources related to OPEB, and OPEB expense, information about the fiduciary net position of the LAGERS Staff Retiree Healthcare Supplement (LSRHS) and additions to/deductions from LSRHS fiduciary net position have been determined on the same basis as they are reported by LSRHS. For this purpose, LSRHS recognizes benefit payments when due and payable in accordance with the benefit terms. Investments are reported at fair value, except for money market investments and participating interest-earning investment contracts that have a maturity at the time of purchase of one year or less, which are reported at cost.

### General Information about the OPEB Plan

**Plan description.** LSRHS is a single-employer defined benefit healthcare supplement administered by the LAGERS Board of Trustees. The LSRHS provides a healthcare subsidy to eligible staff retirees, spouse and minor children. The supplement does not provide access to retiree health coverage but will pay for a portion of a retiree's health premium (subsidy) based upon coverage the retiree is able to obtain through the open market. To be eligible for the subsidy a retiree must have at least 10 years of service credit and retire from active status.

**Benefits provided.** The subsidy is equal to 2.5 percent multiplied by years of credited service (maximum 30 years) multiplied by healthcare premium. Under no circumstances can the healthcare premium exceed the premium LAGERS would pay for an active member of the same age participating in the LAGERS Staff healthcare plan.

**Employees covered by benefit terms.** At June 30, 2023, the following employees were covered by the benefit terms:

Retirees or beneficiaries currently receiving benefit payments	13
Inactive employees entitled to but not yet receiving benefit payments	0
Active employees	38
<b>Total</b>	<b>51</b>

**Contributions.** The Board establishes rates based on an actuarially determined rate. For the year ended June 30, 2023, the contribution rate was 6.20 percent of covered payroll. Employees are not required to contribute to the plan.



**Net OPEB Liability.** The employer's net OPEB liability was measured as of June 30, 2023, and the total OPEB liability used to calculate the net OPEB liability was determined by an actuarial valuation as of June 30, 2022.

**Actuarial assumptions.** The total OPEB liability in the June 30, 2023, actuarial valuation was determined using the following actuarial assumptions, applied to all periods included in the measurement, unless otherwise specified:

Inflation	2.75%, including price inflation
Salary increase	2.75% to 6.75%, including wage inflation
Investment rate of return	5.50 %
Healthcare cost trend rates	7.5% for 2023, decreasing .25% per year until 2030 then decreasing .50% until 2034 to an ultimate rate of 3.50% for 2034 and later years

Mortality rates used in evaluating allowances to be paid were based on 115% of the PubG-2010 Retiree Mortality Table for males and females.

The actuarial assumptions used in the June 30, 2022, valuation were based on the results of an actuarial experience study for the period March 1, 2015, through February 29, 2020.

The long-term expected rate of return on OPEB plan investments was determined using a model method in which the best-estimate ranges of expected future real rates of return (expected returns, net of investment expenses and inflation) are developed for each major asset class. These ranges are combined to produce the long-term expected rate of return by weighting the expected future real rates of return by the target asset allocation percentage and by adding expected inflation. The target allocation and a weighted average of the geometric real rates of return for each major asset class roll-up are summarized in the following table:

Asset Class	Target Allocation	Long-Term Expected Real Rate of Return
Equity	42.00 %	4.19 %
Fixed income	28.00	1.06
Real assets/real return	30.00	2.36

**Discount rate.** The discount rate used to measure the total OPEB liability was 5.5 percent. The projection of cash flows used to determine the discount rate assumes that employer contributions will be made at the actuarially determined rates. Based on these assumptions, the OPEB plan's fiduciary net position was projected to be available to pay all projected future benefit payments of current active employees. Therefore, the long-term expected rate of return on OPEB plan investments was applied to all periods of projected benefit payment to determine the total OPEB liability.

#### Changes in Net OPEB Liability

	Increase (Decrease)		
	Total OPEB Liability (a)	Plan Fiduciary Net Position (b)	Net OPEB Liability (a) - (b)
<b>Balances at June 30, 2022</b>	\$ 3,588,607	\$ 2,460,156	\$ 1,128,451
<b>Changes for the year:</b>			
Service cost	151,993		151,993
Interest	200,089		200,089
Assumption changes	15,607		15,607
Contributions - employer		282,974	(282,974)
Net investment income		180,135	(180,135)
Benefit payments, including refunds	(53,261)	(53,261)	
Net changes	314,428	409,848	(95,420)
<b>Balances at June 30, 2023</b>	\$ 3,903,035	\$ 2,870,004	\$ 1,033,031

# Notes to Financial Statements (continued)

**Sensitivity of the net OPEB liability to changes in the discount rate.** The following presents the net OPEB liability of LAGERS as well as what LAGERS' net OPEB liability would be if it were calculated using a discount rate that is 1-percentage-point lower (4.5 percent) or 1-percentage-point higher (6.5 percent) than the current discount rate:

1% Decrease	Current Single Discount Rate Assumption	1% Increase
4.50%	5.50%	6.50%
\$1,762,646	\$1,033,031	\$449,975

**Sensitivity of the net OPEB liability to changes in the healthcare cost trend rates.** The following presents the net OPEB liability of LAGERS as well as what LAGERS' net OPEB liability would be if it were calculated using healthcare cost trend rates that are 1-percentage-point lower or 1-percentage-point higher than the current healthcare cost trend rate:

1% Decrease	Healthcare Cost Trend Rate Assumption	1% Increase
\$429,971	\$1,033,031	\$1,768,363

**OPEB plan fiduciary net position.** Detailed information about the OPEB plan's fiduciary net position is available in the separately issued financial statements. The LAGERS Board of Trustees issues a publicly available audited financial report that includes financial statements and required supplementary information for the LSRHS. This report can be obtained by contacting the LAGERS office.

## OPEB Expense and Deferred Outflows of Resources and Deferred Inflows of Resources Related to OPEB

For the year ended June 30, 2023, LAGERS recognized an OPEB expense of \$453,307. The employer reported deferred outflows and deferred inflows of resources related to OPEB from the following sources:

	Deferred Outflows of Resources	Deferred Inflows of Resources
Difference between expected and actual experience		\$ 135,301
Assumption changes	\$ 675,041	72,696
Net difference between projected and actual earnings on OPEB plan investments	112,680	
Total	\$ 787,721	\$ 207,997

Amounts reported as deferred outflows of resources and deferred inflows of resources related to OPEB will be recognized in OPEB expense as follows:

Year Ending:	
2024	\$ 156,359
2025	126,590
2026	210,101
2027	60,753
2028	13,037
Thereafter	12,884
	\$ 579,724

**Payable to the OPEB Plan**

At June 30, 2023, there are no payables for the outstanding amount of contributions to the OPEB plan required for the year ended June 30, 2023.

**(7) Long-term Debt and Line of Credit**

In October 2021, LAGERS entered into a revolving credit agreement with Bank of America, N.A. consisting of a line of credit not to exceed \$620 million. Under the terms of the credit agreement, each revolving loan shall bear interest on the outstanding principal amount thereof at a rate per annum equal to the Daily SOFR Rate plus an applicable spread of .95%. LAGERS leverage ratio at June 30, 2023, was approximately 1.30. Long-term debt at June 30, 2023 consists of a revolving loan of \$344.5 million, maturing on September 27, 2024. The credit agreement contains covenants customary for financings of this type, including, but not limited to, financial covenants, which are tested as of the end of each fiscal quarter and requires that LAGERS Fair Value-Total Fund Investment Assets shall not be less than \$5 billion at any time and LAGERS Funded Ratio shall not be less than 65% at any time. LAGERS was in compliance with these financial covenants at June 30, 2023.

**(8) Commitments and Contingencies**

LAGERS has committed \$8,145,788,588 of which \$6,192,639,112 has been invested, leaving total unfunded commitments to real estate, private equity, and other alternative investments of \$1,953,149,476 as of June 30, 2023. The total unfunded investment commitments are not recorded in the accompanying Statement of Fiduciary Net Position.

**(9) Risk Management**

LAGERS is exposed to various risks of loss related to natural disasters, errors and omissions, loss of assets, torts, etc. LAGERS has chosen to cover such losses through the purchase of commercial insurance. There have been no material insurance claims filed or paid during the past three years.

LAGERS has a disaster recovery plan that provides for continued computer operations at a remote location should the retirement office be unavailable for normal operations.

# Required Supplementary Information

## SCHEDULE OF INVESTMENTS RETURNS

Schedule of Investment Returns										
	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014
Annual Money-Weighted Rate of Return (IRR), Net of Investment Expenses	4.27 %	(0.66)%	29.42 %	1.60 %	7.05 %	13.76 %	11.94 %	(0.22)%	2.07 %	19.03 %

## LAGERS STAFF RETIREMENT PLAN

Schedule of Changes in Net Pension Liability and Related Ratios					
Fiscal Year Ending June 30	2023	2022	2021	2020	2019
<b>Total pension liability</b>					
Service cost	\$ 855,338	\$ 759,558	\$ 653,901	\$ 622,944	\$ 345,616
Interest on total pension liability	1,472,520	1,334,287	1,131,502	1,041,285	966,929
Benefit changes			2,859,270		
Difference between expected and actual experience	1,386,274	1,137,298	373,322	406,366	522,716
Assumption changes	(529,596)		(892,846)	64,570	4,090,932
Benefit payments	(1,052,327)	(479,067)	(502,899)	(517,753)	(420,962)
Net change in total pension liability	\$ 2,132,209	\$ 2,752,076	\$ 3,622,250	\$ 1,617,412	\$ 5,505,231
Total pension liability - beginning	\$ 26,871,594	\$ 24,119,518	\$ 20,497,268	\$ 18,879,856	\$ 13,374,625
Total pension liability - ending (a)	\$ 29,003,803	\$ 26,871,594	\$ 24,119,518	\$ 20,497,268	\$ 18,879,856
<b>Pension fiduciary net position</b>					
Employer contributions	\$ 4,808,728	\$ 1,758,507	\$ 1,167,216	\$ 4,572,434	\$ 2,110,653
Pension plan net investment income	1,411,710	(3,055,053)	4,458,266	55,639	735,076
Benefit payments	(1,052,327)	(479,067)	(502,899)	(517,753)	(420,962)
Net change in fiduciary net position	\$ 5,168,111	\$ (1,775,613)	\$ 5,122,583	\$ 4,110,320	\$ 2,424,767
Plan fiduciary net position - beginning	\$ 21,519,391	\$ 23,295,004	\$ 18,172,421	\$ 14,062,101	\$ 11,637,334
Plan fiduciary net position - ending (b)	\$ 26,687,502	\$ 21,519,391	\$ 23,295,004	\$ 18,172,421	\$ 14,062,101
<b>Net pension liability (asset) - ending (a-b)</b>	<b>\$ 2,316,301</b>	<b>\$ 5,352,203</b>	<b>\$ 824,514</b>	<b>\$ 2,324,847</b>	<b>\$ 4,817,755</b>
Plan fiduciary net position as a percentage of total pension liability	92.01 %	80.08 %	96.58 %	88.66 %	74.48 %
<b>Covered payroll</b>	<b>\$ 4,226,260</b>	<b>\$ 3,819,187</b>	<b>\$ 3,554,595</b>	<b>\$ 3,321,553</b>	<b>\$ 3,065,670</b>
<b>Net pension liability (asset) as a percentage of covered employee payroll</b>	<b>54.81 %</b>	<b>140.14 %</b>	<b>23.20 %</b>	<b>69.99 %</b>	<b>157.15 %</b>

## LAGERS STAFF RETIREMENT PLAN (CONTINUED)

Schedule of Changes in Net Pension Liability and Related Ratios (continued)					
Fiscal Year Ending June 30	2018	2017	2016	2015	2014
<b>Total pension liability</b>					
Service cost	\$ 338,728	\$ 279,933	\$ 269,096	\$ 248,381	\$ 233,620
Interest on total pension liability	817,596	722,819	643,321	635,359	575,236
Benefit changes					
Difference between expected and actual experience	1,307,186	586,625	63,013	(553,190)	313,742
Assumption changes			341,762		
Benefit payments	(393,426)	(229,584)	(222,579)	(239,592)	(361,806)
Net change in total pension liability	\$ 2,070,084	\$ 1,359,793	\$ 1,094,613	\$ 90,958	\$ 760,792
Total pension liability - beginning	\$ 11,304,541	\$ 9,944,748	\$ 8,850,135	\$ 8,759,177	\$ 7,998,385
Total pension liability - ending (a)	\$ 13,374,625	\$ 11,304,541	\$ 9,944,748	\$ 8,850,135	\$ 8,759,177
<b>Plan fiduciary net position</b>					
Employer contributions	\$ 363,705	\$ 318,068	\$ 371,358	\$ 372,741	\$ 769,001
Pension plan net investment income	779,735	1,132,266	305,689	18,466	1,365,280
Benefit payments	(393,426)	(229,584)	(222,579)	(239,592)	(361,806)
Net change in fiduciary net position	\$ 750,014	\$ 1,220,750	\$ 454,468	\$ 151,615	\$ 1,772,475
Plan fiduciary net position - beginning	\$ 10,887,320	\$ 9,666,570	\$ 9,212,102	\$ 9,060,487	\$ 7,288,012
Plan fiduciary net position - ending (b)	\$ 11,637,334	\$ 10,887,320	\$ 9,666,570	\$ 9,212,102	\$ 9,060,487
<b>Net pension liability (asset) - ending (a-b)</b>	<b>\$ 1,737,291</b>	<b>\$ 417,221</b>	<b>\$ 278,178</b>	<b>\$ (361,967)</b>	<b>\$ (301,310)</b>
Plan fiduciary net position as a percentage of total pension liability	87.01 %	96.31 %	97.20 %	104.09 %	103.44 %
<b>Covered payroll</b>	<b>\$ 2,895,457</b>	<b>\$ 2,862,600</b>	<b>\$ 2,372,202</b>	<b>\$ 2,253,365</b>	<b>\$ 2,074,725</b>
<b>Net pension liability (asset) as a percentage of covered employee payroll</b>	<b>60.00 %</b>	<b>14.57 %</b>	<b>11.73 %</b>	<b>(16.06)%</b>	<b>(14.52)%</b>



# Required Supplementary Information (continued)

## LAGERS STAFF RETIREMENT PLAN

Schedule of Employer Contributions					
Year Ended June 30	Actuarial Determined Contribution	Actual Contribution	Contribution Deficiency (Excess)	Covered Payroll	Actual Contribution as a % of Covered Payroll
2023	\$ 1,066,995	\$ 4,808,728	\$ (3,741,733)	\$ 4,226,260	113.78 %
2022	877,733	1,758,507	(880,774)	3,819,187	46.04
2021	1,077,949	1,167,216	(89,267)	3,554,595	32.84
2020	531,843	4,572,434	(4,040,591)	3,321,553	137.66
2019	406,991	2,110,653	(1,703,662)	3,065,670	68.85
2018	304,693	363,705	(59,012)	2,895,457	12.56
2017	295,261	318,068	(22,807)	2,862,600	11.11
2016	336,059	371,358	(35,299)	2,372,202	15.65
2015	351,076	372,741	(21,665)	2,253,365	16.54
2014	314,407	740,127	(425,720)	2,074,725	35.67

### Methods and Assumptions Used to Determine Contribution Rates:

Valuation date .....	June 30, 2021
Actuarial cost method .....	Entry Age Normal
Amortization method .....	Closed, level percent of payroll
Remaining amortization period .....	Varies between 8 to 20 years
Asset valuation method .....	5-year smoothed market; 20% corridor
Inflation .....	2.75%; including price inflation assumption of 2.50%
Salary increases .....	2.75%-6.75% including inflation
Retirement age .....	Experience-based table of rates that are specific to the type of eligibility condition. Last updated for 2021 valuation pursuant to an experience study of the period 2015-2020
Mortality .....	Healthy: 115% of the PubG-2010 Retiree Mortality Table for males and females. Disabled: 115% of the PubNS-2010 Disabled Retiree Mortality Tables for males and females. Pre-Retirement: 75% of the PubG-2010 Employee Mortality Table for males and females. It was assumed that 50% of pre-retirement deaths would be duty related. mortality rates for a particular calendar year are determined by applying the MP-2020 mortality improvement scale to the above described tables.

### Other Information

Notes ..... n/a

## LAGERS STAFF RETIREE HEALTHCARE SUPPLEMENT

Schedule of Changes in Net OPEB Liability and Related Ratios				
Fiscal Year Ending June 30	2023	2022	2021	2020
<b>Total OPEB liability</b>				
Service cost	\$ 151,993	\$ 143,504	\$ 138,987	\$ 99,851
Interest	200,089	180,188	171,820	138,715
Difference between expected and actual experience		(132,290)		(5,323)
Assumption changes	15,607	216,905	(113,310)	395,445
Benefit payments	(53,261)	(48,200)	(47,009)	(45,680)
Net change in total OPEB liability	\$ 314,428	\$ 360,107	\$ 150,488	\$ 583,008
Total OPEB liability - beginning	\$ 3,588,607	\$ 3,228,500	\$ 3,078,012	\$ 2,495,004
Total OPEB liability - ending (a)	\$ 3,903,035	\$ 3,588,607	\$ 3,228,500	\$ 3,078,012
<b>Pension fiduciary net position</b>				
Employer contributions	\$ 282,974	\$ 257,566	\$ 62,590	\$ 58,646
Net investment income	180,135	(326,803)	538,895	(35,953)
Benefit payments	(53,261)	(48,200)	(47,009)	(45,680)
Net change in plan fiduciary net position	\$ 409,848	\$ (117,437)	\$ 554,476	\$ (22,987)
Plan fiduciary net position - beginning	\$ 2,460,156	\$ 2,577,593	\$ 2,023,117	\$ 2,046,104
Plan fiduciary net position - ending (b)	\$ 2,870,004	\$ 2,460,156	\$ 2,577,593	\$ 2,023,117
<b>Net OPEB liability (asset) - ending (a-b)</b>	<b>\$ 1,033,031</b>	<b>\$ 1,128,451</b>	<b>\$ 650,907</b>	<b>\$ 1,054,895</b>
Plan fiduciary net position as a percentage of total OPEB liability	73.53 %	68.55 %	79.84 %	65.73 %
<b>Covered payroll</b>	<b>\$ 4,226,260</b>	<b>\$ 3,819,187</b>	<b>\$ 3,554,595</b>	<b>\$ 3,321,533</b>
<b>Net OPEB liability (asset) as a percentage of covered employee payroll</b>	<b>24.44 %</b>	<b>29.55 %</b>	<b>18.31 %</b>	<b>31.76 %</b>

This schedule is presented to illustrate the requirement to show information for 10 years. However, until a full 10-year trend is compiled, information is presented for those years where information is available.

# Required Supplementary Information (continued)

## LAGERS STAFF RETIREE HEALTHCARE SUPPLEMENT (CONTINUED)

Schedule of Changes in Net OPEB Liability and Related Ratios			
Fiscal Year Ending June 30	2019	2018	2017
<b>Total OPEB liability</b>			
Service cost	\$ 60,805	\$ 49,231	\$ 47,681
Interest	126,173	113,349	104,515
Difference between expected and actual experience		(104,764)	
Assumption changes	617,551	148,738	
Benefit payments	(38,871)	(32,053)	(30,195)
Net change in total OPEB liability	\$ 765,658	\$ 174,501	\$ 122,001
Total OPEB liability - beginning	\$ 1,729,346	\$ 1,554,845	\$ 1,432,844
Total OPEB liability - ending (a)	\$ 2,495,004	\$ 1,729,346	\$ 1,554,845
<b>Pension fiduciary net position</b>			
Employer contributions	\$ 60,284	\$ 52,560	\$ 121,994
Net investment income	110,950	112,769	183,168
Benefit payments	(38,871)	(32,053)	(30,195)
Net change in plan fiduciary net position	\$ 132,363	\$ 133,276	\$ 274,967
Plan fiduciary net position - beginning	\$ 1,913,741	\$ 1,780,465	\$ 1,505,498
Plan fiduciary net position - ending (b)	\$ 2,046,104	\$ 1,913,741	\$ 1,780,465
<b>Net OPEB liability (asset) - ending (a-b)</b>	<b>\$ 448,900</b>	<b>\$ (184,395)</b>	<b>\$ (225,620)</b>
Plan fiduciary net position as a percentage of total OPEB liability	82.01 %	110.66 %	114.51 %
<b>Covered payroll</b>	<b>\$ 3,065,670</b>	<b>\$ 2,895,457</b>	<b>\$ 2,862,600</b>
<b>Net OPEB liability (asset) as a percentage of covered employee payroll</b>	<b>14.64 %</b>	<b>(6.37)%</b>	<b>(7.88)%</b>

*This schedule is presented to illustrate the requirement to show information for 10 years. However, until a full 10-year trend is compiled, information is presented for those years where information is available.*

Schedule of Employer Contributions					
Year Ended June 30	Actuarial Determined Contribution	Actual Contribution	Contribution Deficiency (Excess)	Covered Payroll	Actual Contribution as a % of Covered Payroll
2023	\$ 232,567	\$ 282,974	\$ (50,407)	\$ 4,226,260	6.70 %
2022	225,246	257,566	(32,320)	3,819,187	6.74
2021	49,388	62,590	(13,202)	3,554,595	1.76
2020	47,833	58,646	(10,813)	3,321,533	1.77
2019	45,267	60,284	(15,017)	3,065,670	1.97
2018	43,842	52,560	(8,718)	2,895,457	1.82
2017	104,013	121,994	(17,981)	2,862,600	4.26

#### **Method and Assumptions Used to Determine Contribution Rates:**

Valuation date .....	June 30, 2020
Actuarial cost method .....	Entry Age Normal
Amortization method .....	Closed, level percent of payroll
Remaining amortization period .....	15 years
Asset valuation method .....	Market value of assets
Inflation .....	3.25%, including price inflation assumption of 2.5 %
Salary increases .....	3.25%-6.55% including inflation
Retirement age .....	Experience-based table of rates that are specific to the type of eligibility condition Last updated for 2016 valuation pursuant to an experience study of the period 2010-2015
Mortality .....	RP-2014 mortality table for males and females, adjusted for improvement back to the observation period base year of 2006. The base year for males was then established to be 2017. Mortality rates for a particular calendar year are determined by applying the MP-2015 mortality improvement scale

#### **Other Information**

Notes .....	There were no benefit changes during the year.  New demographic and economic assumptions were adopted following the 2015-2020 LAGERS experience study.
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## Supplementary Information

## SCHEDULE OF CHANGES IN FIDUCIARY NET POSITION BY RESERVES

Year Ended June 30, 2023						
	Reserves					
	Total	Member	Employer	Benefit	Casualty	Income (Expense)
<b>Additions</b>						
Contributions:						
Member	\$ 28,728,823	\$ 28,728,823				
Employer	294,401,267		\$ 283,002,428		\$ 11,398,839	
Total contributions	323,130,090	28,728,823	283,002,428		11,398,839	
Investment income:						
Interest income	159,872,207					\$ 159,872,207
Dividend income	38,812,483					38,812,483
Other income	(128,165,571)					(128,165,571)
Net appreciation in fair value	425,596,972					425,596,972
Total investment income	496,116,091					496,116,091
Less investment expenses	131,025,679					131,025,679
Net investment income	365,090,412					365,090,412
Securities lending income	16,317,415					16,317,415
Borrower rebates	18,149,113					18,149,113
Commissions paid	416					416
Net securities lending income	(1,832,114)					(1,832,114)
Investment income allocated		3,308,011	161,187,863	\$ 196,904,422	1,733,124	(363,133,420)
Net additions	\$ 686,388,388	\$ 32,036,834	\$ 444,190,291	\$ 196,904,422	\$ 13,131,963	\$ 124,878
<b>Deductions</b>						
Benefits paid:						
Annuity benefits	\$ 455,448,261		\$ 5,500,228	\$ 449,948,033		
Refunds	3,216,348	\$ 3,216,348				
Net benefits paid	458,664,609	3,216,348	5,500,228	449,948,033		
Annuities awarded		17,501,917	490,777,279	(523,082,377)	\$ 14,821,714	\$ (18,533)
Administrative expenses	11,523,643		6,980,311	4,543,332		
Pension expense (gain)	(2,485,109)					(2,485,109)
OPEB expense (gain)	453,307					453,307
Net deductions	\$ 468,156,450	\$ 20,718,265	\$ 503,257,818	\$ (68,591,012)	\$ 14,821,714	\$ (2,050,335)
<b>Net increase (decrease) in net position</b>	<b>\$ 218,231,938</b>	<b>\$ 11,318,569</b>	<b>\$ (59,067,527)</b>	<b>\$ 265,495,434</b>	<b>\$ (1,689,751)</b>	<b>\$ 2,175,213</b>
Net position restricted for pension benefits at June 30, 2022	\$10,175,465,002	\$190,434,290	\$4,457,009,371	\$5,501,382,354	\$26,782,398	\$ (143,411)
<b>Net position restricted for pension benefits at June 30, 2023</b>	<b>\$10,393,696,940</b>	<b>\$201,752,859</b>	<b>\$4,397,941,844</b>	<b>\$5,766,877,788</b>	<b>\$25,092,647</b>	<b>\$ 2,031,802</b>



## SCHEDULE OF ADMINISTRATIVE EXPENSES

Year Ended June 30, 2023		
<b>Personnel services</b>		
Staff retirement plan	\$ 3,701,137	
Staff salaries	3,127,729	
Insurance	571,886	
Social Security	206,159	
OPEB	177,452	
Professional development	36,254	
Total personnel services		\$ 7,820,617
<b>Professional services</b>		
Actuarial services	\$ 536,085	
Data processing	503,383	
General counsel	289,236	
Board advisors	224,440	
Medical advisors	64,644	
Audit	58,767	
Legislative	54,000	
Other	3,891	
Total professional services		\$ 1,734,446
<b>Communications</b>		
Meetings and travel	\$ 143,849	
Postage	109,233	
Telephone	89,152	
Public information	86,708	
Printing	67,992	
Total communications		\$ 496,934
<b>Miscellaneous</b>		
Depreciation	\$ 844,408	
Equipment maintenance	196,632	
Office supplies	191,019	
Insurance premiums	155,344	
Building maintenance	51,620	
Utilities	32,623	
Total miscellaneous		\$ 1,471,646
<b>Total administrative expenses</b>		<b>\$ 11,523,643</b>

*Note: Administrative expenses related to investments do not appear here but are included in the investment expenses reported in the Schedule of Investment Expenses on the next page.*

# Supplementary Information (continued)

## SCHEDULE OF INVESTMENT EXPENSES

Year Ended June 30, 2023		
<b>Investment manager expenses</b>		
Alpha managers	\$ 25,521,260	
Equity managers	39,991,270	
Fixed income managers	18,517,261	
Real asset managers	36,475,076	
Strategic managers	5,327,588	
Securities lending managers	18,680,876	
Total investment manager fees		\$ 144,513,331
<b>Other investment expenses</b>		
Investment custodial services	\$ 733,845	
Investment consultant/legal counsel	136,503	
Investment staff expenses	3,791,529	
Total other investment expenses		\$ 4,661,877
<b>Total investment expenses</b>		<b>\$ 149,175,208</b>

## SCHEDULE OF PAYMENTS TO CONSULTANTS

Year Ended June 30, 2023		
Firm	Nature of Services	Amount
Gabriel, Roeder, Smith & Company	Actuarial consultant	\$ 536,085
Sagitec Solutions, LLC	Software consulting & configuration services	471,638
Husch Blackwell	Legal services	257,032
RVK, Inc.	Board investment consultant	225,000
Williams-Keepers, LLC	Auditing services	75,700
University of Massachusetts Medical School	Medical advisors	64,644
Global Governance Advisors, LLC	Governance consultant	64,109
Flotron & McIntosh	Legislative consultant	54,000

*Note: This schedule only includes firms whose annual payment amount exceeded \$20,000. Payments to consultants are included in the Administrative and Investment Expenses reported in the Statement of Changes in Fiduciary Net Position.*



## | Section III: **Investment**

# Chief Investment Officer's Report



## MISSOURI LOCAL GOVERNMENT EMPLOYEES RETIREMENT SYSTEM

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Telephone (573) 636-9455 • 800-447-4334 • FAX (573) 636-9671

[www.molagers.org](http://www.molagers.org)

Brian K. Collett, CFA, CAIA, Chief Investment Officer

October 26, 2023

To all LAGERS members:

The fiscal year ending June 30, 2023, was a challenging year for LAGERS' Investment Portfolio relative to LAGERS' Total Policy Benchmark. On an absolute basis, however, the portfolio's overall return was positive for the year. The long-term performance attests to LAGERS' effective risk-aware investment strategy to ensure the plan achieves its long-term obligations to our members and retirees. LAGERS ended the year with a +4.3% return net of fees, underperforming the Total Policy Benchmark by -2.3%. The Alpha and Fixed Income asset classes primarily drove the underperformance. The portfolio ended the year with a total value of \$10.4 billion. This one-year performance feeds into the portfolio's long-term returns below:

+10.3% net of fees annualized return over three years.

+7.9% net of fees annualized return over five years.

+8.5% net of fees annualized return over ten years.

+8.5% net of fees annualized return over twenty years.

These returns were calculated by LAGERS' custodian, Northern Trust using the modified Dietz time-weighted rate of return methodology.

The portfolio net of fee returns have consistently exceeded LAGERS' Total Policy Benchmark returns over the 3, 5, 10, and 20 year periods. Furthermore, over the long term, the portfolio has consistently outperformed the assumed rate of return across these same time periods. This positive performance in investment returns was a positive contribution to funding status due to the five-year asset smoothing policy.

The predominant theme for the year revolved around inflation. This had a notable impact on various segments of LAGERS' portfolio. Firstly, Fixed Income was greatly affected by the increase in rates, leading to a widespread decrease in valuations. Secondly, the private asset classes were affected by this trend within their portfolios as the tightening of debt markets, caused by rising interest rates, led to a decrease in the number of buyers. Thirdly, areas where leverage was employed faced challenges due to the rising borrowing costs.

LAGERS' Alpha portfolio had a poor year as the market-neutral managers lagged their benchmarks in a volatile market. Alpha was down for the year due to Alpha managers' signals struggling to read the rapidly shifting sentiment of investors throughout the year. The Alpha portfolio returned -1.9% net of fees while its benchmark returned +6.6% for the year.

The Equity portfolio returned +10.8% over the last year, underperforming the benchmark by -3.0%. Equities, in general, had an up year as they rebounded from last years lows due to companies across various industries reporting strong earnings. This rebound in equities has occurred against an uncertain macroeconomic backdrop including concerns around the Fed interest rate hiking campaign, the continued war in Ukraine, and a US regional banking crisis in the second half of the fiscal year. LAGERS' Public Equity portfolio returned +16.3% for the year, outperforming its benchmark by +0.6%, while the Private Equity portfolio returned +5.0% and underperformed its benchmark by -3.6%.

The Fixed Income portfolio unexpectedly did not provide much diversification due to the Fed's continued interest rate increases. LAGERS' Fixed Income portfolio returned -1.3% net of fees and underperformed the benchmark by -4.9%. Within Fixed Income, Public Fixed Income underperformed its benchmark by -2.4%, while Private Fixed Income lagged its benchmark by -1.7%. On an absolute basis, Public Fixed Income returned -3.1% and Private Fixed Income returned +5.4%.

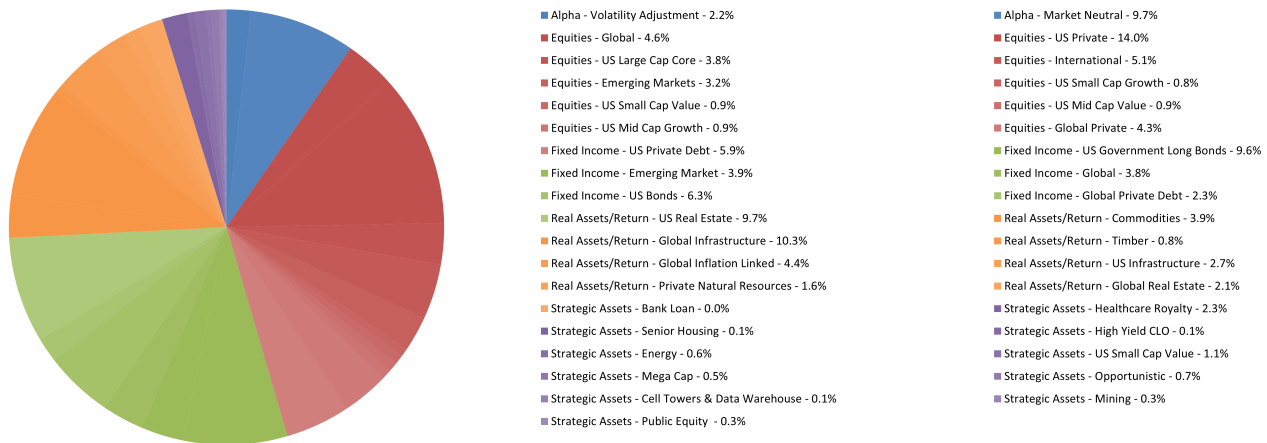


LAGERS' Real Assets portfolio also experienced underperformance in the past period, returning +0.1% net of fees in comparison to its benchmark's return of +3.1%. The primary contributor to this underperformance was Real Estate, which lagged its CPI-adjusted benchmarks by -12.4%. The headwinds characterized by elevated interest rates and the work from home movement presented a challenging environment for Real Estate.

LAGERS' Strategic portfolio performed well during the last year. The portfolio returned +11.3% and led its benchmark by +2.6%. Public Strategic outperformed its benchmark by +10.9% while Private Strategic fell below its benchmark by -2.6%. The Public Strategic portfolio's outperformance was driven by energy, CLOs, and public equity exposure.

As of June 30, 2023, the current levered allocation for the five main asset types are Alpha 9.7%, Equities 38.4%, Fixed Income 31.8%, Real Assets 35.7%, and Strategic Assets 5.9%. However, the LAGERS investment team views risk and asset allocation at a much more granular level than just the five main buckets listed above. Below is an in-depth chart showing all the various sub-categories within the portfolio. These sub-categories provide a better understanding of the risks and characteristics currently in the portfolio.

**Diversification as of June 30, 2023**



Generating LAGERS' assumed rate of return of 7.0% in the current environment will involve implementing LAGERS' risk-aware strategy. This strategy takes full advantage of the illiquid nature of LAGERS' long-term, perpetual investment portfolio by having the ability to invest in private strategies such as Private Equity, Infrastructure, Real Estate, Aviation, Mining, Shipping, Renewables, and other unique strategies such as Intellectual Property Financing. These private strategies are expected to earn a premium to the public market returns while diversifying the portfolio and decreasing overall risk. The asset allocation has been developed to meet this assumed rate of return over the long term and through all environments, including the current. LAGERS' team is continuously looking for attractive and unique opportunities to diversify the asset base to reduce overall risk and add to the return.

The asset allocation is based on long-term goals, liquidity needs, risks and return characteristics of asset types, costs associated with available assets, and market conditions. Again, you can have confidence that the risk-aware investment strategy that LAGERS continues to use will assure that long-term obligations to our members and retirees will be achieved.

Respectfully submitted,



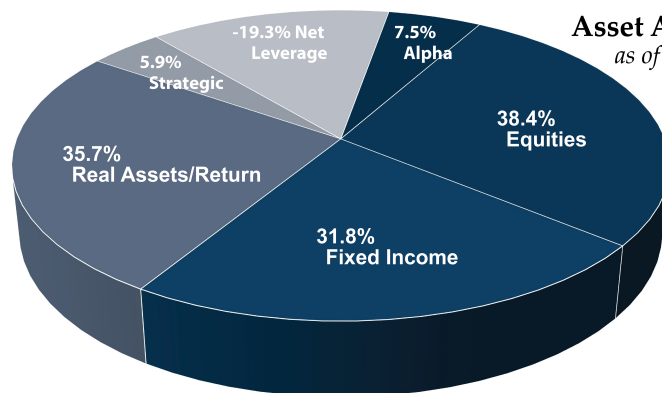
**Brian K. Collett, CFA, CAIA**  
Chief Investment Officer

*Brian K. Collett*



## Asset Allocation

June 30, 2023			June 30, 2022		
Holdings by Asset Class	% of Total Fair Value	Fair Value	% of Total Fair Value	Fair Value	
Alpha	7.5	\$ 775,832,552	11.4	\$ 1,153,044,344	
Total Alpha	7.5	\$ 775,832,552	11.4	\$ 1,153,044,344	
<b>Equities</b>					
Domestic	7.2	\$ 744,447,805	5.7	\$ 578,379,554	
International	5.1	527,313,233	3.1	312,139,807	
Global	4.6	475,381,673	2.9	289,312,860	
Emerging Markets	3.2	333,297,731	2.4	246,071,907	
Private Equity	18.3	1,894,463,796	16.6	1,681,353,038	
Total Equities	38.4	\$ 3,974,904,238	30.7	\$ 3,107,257,166	
<b>Fixed Income</b>					
US Fixed Income	6.3	\$ 654,261,940	9.1	\$ 921,568,032	
Global Fixed Income	3.8	395,525,801	4.1	414,451,937	
Long Duration	9.6	992,435,074	10.3	1,047,416,492	
Emerging Markets Debt	3.9	399,862,652	3.8	385,553,985	
Private Fixed Income	8.2	849,478,996	7.4	748,620,062	
Total Fixed Income	31.8	\$ 3,291,564,463	34.7	\$ 3,517,610,508	
<b>Real Assets/Return</b>					
Timber	0.9	\$ 87,949,524	0.8	\$ 84,904,889	
Infrastructure	13.1	1,351,656,992	12.6	1,273,158,862	
Real Estate	11.8	1,222,507,280	12.1	1,224,159,833	
Commodities	3.9	404,696,922	7.6	773,156,381	
Inflation-Linked Bonds	4.4	458,037,273	4.5	454,553,001	
Natural Resources	1.6	169,546,733	1.4	139,839,749	
Total Real Assets/Return	35.7	\$ 3,694,394,724	39.0	\$ 3,949,772,715	
<b>Strategic</b>					
Public Strategic	2.4	\$ 252,081,699	5.2	\$ 527,579,841	
Private Strategic	3.5	361,054,136	3.6	363,298,764	
Total Strategic	5.9	\$ 613,135,835	8.8	\$ 890,878,605	
<b>Net Leverage</b>					
Cash	10.5	\$ 1,087,492,634	9.8	\$ 1,006,598,966	
Leverage	(29.8)	(3,085,440,741)	(34.4)	(3,485,672,758)	
Total Net Leverage	(19.3)	\$ (1,997,948,107)	(24.6)	\$ (2,479,073,792)	
<b>Total Assets</b>	<b>100.0</b>	<b>\$ 10,351,883,705</b>	<b>100.0</b>	<b>\$ 10,139,489,546</b>	



**Asset Allocation - Asset Class**  
as of June 30, 2023

**Note:** Alpha allocation is adjusted by 2.2% to achieve a volatility adjusted risk target of 8%. Strategic and Net Leverage allocation is adjusted for the Net Notional Value.

# Investment Policy

The LAGERS Board of Trustees, operating within the “prudent person” framework, has adopted a Statement of Investment Policy and Objectives for the investment managers and others who serve in a fiduciary capacity to the Fund. A summary of that policy follows. For a complete copy of the investment policy, please contact the LAGERS office.

## Investment Goals

The goal of the Fund shall be to achieve a rate of return, net of manager fees, of at least 7.00% per annum as measured over a full market cycle. The Trustees and Investment Staff will use the Fund’s asset allocation as the primary tool to achieve this goal. As this is a long-term projection and investments are subject to short-term volatility, the main investment focus of the Trustees and Investment Staff will be towards the Total Fund. Each asset manager, individual investment and/or security selection (together known as ‘investment(s)’) will be judged on performance relative to its asset class and to its relative benchmark over a full market cycle, usually 5-7 years. With respect to the given purpose, the System’s liquidity requirement, and the source and predictability of contributions, the Board elects to target portfolio risk of 10% standard deviation in pursuing the investment program. LAGERS is unwilling to undertake investment strategies that might jeopardize the ability of the Fund to finance the pension benefits promised to the System’s participants. Thus, LAGERS actively seeks to lower/stabilize the cost of funding the System’s pension promise by prudently taking on types of risk that best serve the long-run interest of the Fund and, therefore, of the System’s participants.

The Trustees have established the following asset-mix guidelines for the Pension Fund:

Asset Class	Target Guidelines
Equity Investments	35.00%
Fixed Income Investments	31.00%
Real Assets/Real Return	36.00%
Strategic Assets	8.00%
Alpha Portfolio**	15.00%
Cash Portfolio*	10.00%
Leverage Portfolio*	(35.00)%

\* LAGERS targets 28.5% of the leveraged portfolio to be held in cash.

\*\* Alpha Portfolio allocation is based on a volatility adjusted exposure targeting 8% overall.

The Trustees have established the following liquidity guidelines for the Pension Fund:

Liquidity Time Frame	Target Guidelines
Short-term (<1 week)	40.00%
Medium-term (1 week-1 year)	20.00%
Long-term (>1 year)	40.00%

# Investment Policy (continued)

The Pension Fund's total return should exceed the total return of an index composed as follows:

Asset Class	Asset Sub-Class	Benchmark	Weight
Equity	Domestic Equity	Russell 3000 Index	10.0 %
	Private Equity	CPI +5.5%	10.0 %
	Global Equity	MSCI All Country World Index ND (non-hedge)	5.0 %
	International Equity	MSCI All Country World Index ex US ND (non-hedge)	5.0 %
	Emerging Markets Equity	MSCI Emerging Markets Index ND (non-hedge)	5.0 %
Fixed Income	Long Duration Fixed	Barclays Capital US 20+ Year Treasury Bond Index	10.0 %
	Private Fixed Income	CPI +4.0%	7.0 %
	US Fixed Income	Barclays Capital US Aggregate Bond Index	6.0 %
	Global Fixed Income	Barclays Capital Global Aggregate Bond Index	4.0 %
	Emerging Markets Debt	40% JPM EMBI Global Div; 40% JPM CEMBI Broad Div; 20% JPM GBI-EM Global Div	4.0 %
Real Assets	Real Estate	CPI +4.5%	14.0 %
	Infrastructure	CPI +4.0%	7.0 %
	Inflation Linked Bonds	Barclays Capital Global Inflation-Linked Bond Index	6.0 %
	Commodities	Bloomberg Commodity Index	5.0 %
	Timber	CPI +2.5%	2.0 %
	Natural Resources	CPI +5.0%	2.0 %
Strategic Assets	Private Strategic	CPI +6.0%	5.0 %
	Public Strategic	CPI +4.5%	3.0 %
Alpha	Alpha Portfolio	CPI +3.5%	15.0 %
Cash	Cash	CPI	10.0 %
Leverage	Leverage	– (#CPI +0.5%)	(35.0)%

## General Portfolio Guidelines

### Diversification

The diversification of securities among sectors and issuers is the responsibility of the investment manager and Investment Staff. The Investment Staff has further diversification responsibility at the asset manager and asset class level and the Trustees have diversification responsibility at the total portfolio level. All investments made shall be subject to the quality and diversification restrictions established by Section 70.745, 70.746, 70.747, 105.687, 105.688, 105.689 and 105.690 of the Revised Statutes of Missouri.

### Liquidity

Individual assets and/or investment mandates, excluding leverage and its associated cash collateral, will be grouped into three different liquidity classifications. These classifications are based on the time frame it takes to liquidate the investment at prevailing market prices (i.e. not at a discount) and receive cash back. The classifications include:

- **Short-Term:** the ability to liquidate the investment and receive cash back in less than one week. These include but are not limited to publicly traded assets.
- **Medium-Term:** the ability to liquidate the investment and receive cash back within one week to one year. These include more illiquid assets such as hedge funds and overlay strategies that have a lock-up period and/or periodic redemptions (i.e. monthly, quarterly, or annually).
- **Long-Term:** these assets are the most illiquid and have lock-up periods of greater than 1 year. These assets have increased liquidity risk if sold before lock-up expires.

Illiquid assets carry a theoretical illiquidity premium that is demanded by investors for securities that cannot be easily converted into cash. Therefore, these assets that are more illiquid should earn a higher return. Consistent with LAGERS' liquidity requirements and long-term nature of the fund, LAGERS has established liquidity allocation ranges.

### Style Adherence

The most important feature any individual manager brings to a multi-manager portfolio is style adherence. At least quarterly, fundamental portfolio characteristics and style benchmark comparisons will be monitored for adherence to a manager's identified style. The Trustees and Investment Staff recognize that different maturity ranges and sectors within the broad market categories go in and out of favor. Therefore, short-term examination of each investment's performance will review style adherence relative to similar style or duration, peer comparisons, and style benchmarks whilst maintaining a focus on the long-term return objective relative to their respective style benchmark.

### Performance Objectives

Primary emphasis is to be placed on relative rates of return. Performance shall be evaluated over a full market cycle, usually 5-7 years. See "Specific Portfolio Guidelines" for further information regarding performance expectations.

## Specific Portfolio Guidelines

### Fixed Income

- The benchmark for the fixed income composite portfolio is composed as follows:

Asset Sub-Class	Benchmark	Weight
Long Duration Fixed	Barclays Capital US 20+ Year Treasury Bond Index	32.0%
Private Fixed Income	CPI + 4.0%	22.5%
US Fixed Income	Barclays Capital US Aggregate Bond Index	19.5%
Global Fixed Income	Barclays Capital Global Aggregate Bond Index	13.0%
Emerging Market Debt	40% JPM EMBI Global Div; 40% JPM CEMBI Broad Div; 20% JPM GBI-EM Global Div	13.0%

- The total return of the fixed income composite, net of fees, should exceed the total return of the composite benchmark outlined above.
- The total return of each underlying portfolio or mandate in the composite should exceed the total return of an index of similar mandate or style assigned. The Investment Staff will use benchmarks specific to each respective asset or manager's mandate on a quarter-by-quarter basis to monitor each investment. Currency management is at the discretion of the Non-US managers.
- The goal of the fixed income composite portfolio shall be to achieve a total annualized real rate of return net of fees of at least 1.5% over the CPI as measured over a full market cycle, usually 5-7 years.

# Investment Policy (continued)

## Equity

- The benchmark for the equity composite portfolio is composed as follows:

Asset Sub-Class	Benchmark	Weight
Domestic Equity	Russell 3000 Index	29.0%
Private Equity	CPI + 5.5%	29.0%
Global Equity	MSCI All Country World Index ND (non-hedge)	14.0%
International Equity	MSCI All Country World Index ex US ND (non-hedge)	14.0%
Emerging Markets Equity	MSCI Emerging Markets Index ND (non-hedge)	14.0%

- The total return of the equity composite, net of fees, should exceed the total return of the composite benchmark outlined above.
- The total return of each underlying portfolio or mandate in the composite should exceed the total return of an index of similar mandate or style assigned. The Investment Staff will use benchmarks specific to each respective asset or manager's mandate on a quarter-by-quarter basis to monitor each investment. Currency management is at the discretion of the Non-US managers.
- The goal of the equity composite portfolio shall be to achieve a total annualized real rate of return net of fees of at least 5.0% over the CPI as measured over a full market cycle, usually 5-7 years.

## Real Assets

- The benchmark for the real asset composite portfolio is composed as follows:

Asset Sub-Class	Benchmark	Weight
Real Estate	CPI + 4.5%	39.0%
Infrastructure	CPI + 4.0%	19.5%
Inflation Linked Bonds	Barclays Capital Global Inflation-Linked Bond Index	16.5%
Commodities	Bloomberg Commodity Index	14.0%
Timber	CPI + 2.5%	5.5%
Natural Resources	CPI + 5.0%	5.5%

- The total return of the real asset composite, net of fees, should exceed the total return of the composite benchmark outlined above.
- The total return of each underlying portfolio or mandate in the composite should exceed the total return of an index of similar mandate or style assigned. The Investment Staff will use benchmarks specific to each respective asset or manager's mandate on a quarter-by-quarter basis to monitor each investment. Currency management is at the discretion of the Non-US managers.
- The goal of the real asset composite portfolio shall be to achieve a total annualized real rate of return of at least 3.5% over the CPI as measured over a full market cycle, usually 5-7 years

## Strategic Assets

- The benchmark for the strategic asset composite portfolio is composed as follows:

Asset Sub-Class	Benchmark	Weight
Private Strategic	CPI + 6.0%	62.5%
Public Strategic	CPI + 4.5%	37.5%



- The total return of the strategic asset composite, net of fees, should exceed the total return of the composite benchmark outlined above.
- The total return of each underlying portfolio or mandate in the composite should exceed the total return of an index of similar mandate or style assigned. The Investment Staff will use benchmarks specific to each respective asset or manager's mandate on a quarter-by-quarter basis to monitor each investment. Currency management is at the discretion of the Non-US managers.
- The goal of the strategic asset composite portfolio shall be to achieve a total annualized real rate of return of at least 5.5% over the CPI as measured over a full market cycle, usually 5-7 years.

### **Alpha Portfolio**

- The target allocation will be based on the volatility adjusted exposure for each alpha manager in order to achieve an overall alpha composite volatility of 8%.
- The benchmark for the alpha composite is composed as follows:

Asset Sub-Class	Benchmark	Weight
Alpha Portfolio	CPI + 3.5%	100.0%

- The total return of the alpha composite, net of fees, should exceed the total return of the composite benchmark outlined above.
- The total return of each underlying portfolio or mandate in the composite should exceed the total return of an index of similar mandate or style assigned. The Investment Staff will use benchmarks specific to each respective asset or manager's mandate on a quarter-by-quarter basis to monitor each investment. Currency management is at the discretion of the Non-US managers.
- The goal of the asset composite shall be to achieve a total annualized real rate of return of at least 3.5% over the CPI as measured over a full market cycle, usually 5-7 years.

### **Cash**

- LAGERS tracks the cash on the overall portfolio and has a target cash position of 28.5% of leverage employed.
- The benchmark for the cash composite is composed as follows:

Asset Sub-Class	Benchmark	Weight
Cash	CPI	100.0%

- The goal of the cash composite portfolio shall be to achieve a total annualized real rate of return of CPI as measured over a full market cycle, usually 5-7 years.

# Investment Policy (continued)

## Leverage Portfolio

- The leverage composite is the liability side of any borrowed funds and therefore will not have a benchmark to exceed and will instead have an expected cost of CPI +0.5%, measured over a full market cycle, usually 5-7 years.

## Securities Lending Guidelines

The Investment Staff may select a firm(s) to lend financial securities of the Fund. The firm shall have full discretion over the selection of borrowers and shall continually review credit worthiness of potential borrowers through adequate analysis of all material provided to them. The securities lending program shall in no way inhibit the trading activities of the investment managers of the System. The securities lending agent and Investment Staff will create investment guidelines for the investment of cash collateral to adhere to this document. The Investment Staff will review, at least quarterly, the performance of the program and ensure that proper collateralization procedures are adhered to as stated in the investment guidelines.

The Investment Staff has authority to manage the Security Lending program's cash collateral. This collateral will be invested at Staff's discretion in the eligible investments permitted under this Statement of Investment Policy and Objectives, while also taking into account the liquidity needs of the Security Lending program.

## Investment Results

Periods Ending June 30, 2023					
	1 Year	3 Years	5 Years	10 Years	15 Years
<b>Total Portfolio</b>					
LAGERS	4.34 %	10.33 %	7.89 %	8.50 %	7.85 %
LAGERS Custom Index	6.64	6.85	7.01	6.96	5.96
Actuarial Assumed Rate of Return	7.00	7.08	7.15	7.20	7.27
Median All Funds > \$1 Bil	5.72	8.05	6.39	7.35	6.75
Consumer Price Index (CPI)	2.97	5.78	3.90	2.71	2.24
<b>Equity Portfolio</b>					
LAGERS	10.83 %	12.25 %	9.65 %	10.67 %	8.86 %
MSCI's All Country World Index	16.53	10.99	8.10	8.75	6.56
Russell 3000 Index	18.95	13.89	11.39	12.34	10.61
Standard & Poor's 500 Index	19.59	14.60	12.31	12.86	10.88
<b>Fixed Income Portfolio</b>					
LAGERS	(1.32)%	(3.41)%	2.52 %	4.30 %	6.20 %
Barclay's US Aggregate Index	(0.94)	(3.96)	0.77	1.52	2.73
Barclay's Global Aggregate Index	(1.32)	(4.96)	(1.09)	0.20	1.35
<b>Real Assets/Return Portfolio</b>					
LAGERS	0.12 %	9.98 %	5.72 %	6.31 %	4.81 %
LAGERS Custom Real Assets/Return Benchmark	3.07	9.10	6.40	4.89	4.15
<b>Strategic Portfolio</b>					
LAGERS	11.26 %	22.72 %	11.45 %	8.53 %	
LAGERS Custom Strategic Benchmark	8.67	11.62	9.65	8.25	
<b>Alpha Portfolio</b>					
LAGERS	(1.93)%	8.86 %			
Consumer Price Index (CPI) + 3.5%	6.56	9.46			

*The LAGERS rates of return were calculated using a modified Dietz time-weighted return calculation.*

# Largest Holdings

Largest Bond Holdings (By Fair Value)			
June 30, 2023			
	Par	Bonds	Fair Value
1	\$ 114,085,000	US Treas Bds 2.25% Due 08-15-2046	\$ 83,348,897
2	91,500,000	US Treas Bonds Dtd 05/15/2016 2.5% Due 05-15-2046 Reg	70,358,496
3	102,220,000	US Treas Bonds Dtd 08/15/2020 1.375% Due 08-15-2050	59,395,410
4	84,230,000	US Treas BDS 1.25% Due 05-15-2050	47,362,924
5	43,050,000	US Treas Bds 00247 2.5% Due 02-15-2046 Reg	33,136,728
6	24,800,000	US Treas NTS 3.5% Due 03-31-2030 Reg	24,259,437
7	22,800,000	PVTPL AIMCO CLO 17 22-17A 07-20-2035	22,201,906
8	23,010,000	FNMA Single Family Mortgage 0% 30 Years Settles August	22,132,744
9	19,300,000	FNMA 30yr Pass-Through 0% 30 years Settles August	19,483,555
10	20,000,000	PVTPL Columbia CLO 22-32A 07-20-2034	18,656,182

Largest Stock Holdings (By Fair Value)			
June 30, 2023			
	Shares	Stock	Fair Value
1	177,683	MFC Vanguard Index Funds S&P 500 ETF	\$ 72,366,732
2	291,000	MFC ISHARES TR Russell 1000 ETF	70,928,340
3	984,351	MFC ISHARES TR MSCI EAFE Value Index	48,174,138
4	10,000	PVPL Eagle Holding Company Inc Series B	24,485,000
5	6,500	PVPL Hastings Holdings Corp Series C	15,940,990
6	14,265	LVMH MOET Hennessy Louis Vuitton SE	13,430,969
7	9,823	PVPL Squan Holdings Corp Series C	13,058,000
8	76,715	Novo-Nordisk AS DKK0.2 Series "B"	12,357,850
9	5,518	Hermes INTL NPV	11,980,076
10	4,007,088	Harbour Energy PLC ORD	11,645,825

Note: A complete list of holdings is available upon request.

## Schedule of Advisor Fees

Investment manager expenses		
Alpha managers	\$ 25,521,260	
Equity managers	39,991,270	
Fixed income managers	18,517,261	
Real asset managers	36,475,076	
Strategic managers	5,327,588	
Securities lending managers	18,680,876	
Total Investment Manager Fees		\$ 144,513,331
Other investment expenses		
Investment consultant/Legal counsel	\$ 136,503	
Investment custodial services	733,845	
Investment staff expenses	3,791,529	
Total Other Investment Expenses		\$ 4,661,877
<b>Total investment expenses</b>		<b>\$ 149,175,208</b>

# Brokerage Schedule

Schedule of Brokerage Commissions			
June 30, 2023			
Broker Name	Shares	Commissions	Per Share
MORGAN STANLEY AND CO., LLC	2,821,982,480	\$ 251,030	\$ 0.00009
JEFFERIES LLC.	76,676,152	213,432	0.00278
MERRILL LYNCH INTERNATIONAL LIMITED	472,509,013	93,491	0.00020
GOLDMAN, SACHS AND CO.	18,243,260,817	88,874	0.00000
UBS AG STAMFORD BRANCH	34,745,680	87,106	0.00251
UBS AG LONDON BRANCH	116,664,595	66,560	0.00057
BANK OF AMERICA CORPORATION	14,157,798	56,483	0.00399
MORGAN STANLEY INDIA CO PVT LTD	25,917,747	41,777	0.00161
J.P. MORGAN SECURITIES PLC	4,893,442,765	40,491	0.00001
COWEN AND COMPANY, LLC	9,567,827	39,094	0.00409
MORGAN STANLEY TAIWAN LIMITED	31,019,721	38,450	0.00124
J.P. MORGAN SECURITIES LLC	559,101,297	36,202	0.00006
SANFORD C. BERNSTEIN AND CO., LLC	14,113,844	30,680	0.00217
INSTINET EUROPE LIMITED	7,865,469	29,391	0.00374
BNY CONVERGEX EXECUTION SOLUTIONS	22,063,432	28,598	0.00130
RBC CAPITAL MARKETS, LLC	8,430,969	28,529	0.00338
COWEN AND COMPANY LLC	2,400,854	22,059	0.00919
MORGAN STANLEY AND CO. INTL	2,517,187	21,168	0.00841
DIRECT TRADING INSTITUTIONAL INC	4,752,422	18,728	0.00394
INSTINET, LLC	1,122,254	18,240	0.01625
Subtotal (20 largest)	27,362,312,323	\$ 1,250,383	\$ 0.00328
Remaining total	543,301,085,082	487,872	0.00840
<b>Total commissions</b>	<b>570,663,397,405</b>	<b>\$ 1,738,255</b>	<b>\$ 0.00808</b>

Brokerage commissions on purchases and sales are too numerous to list; therefore only the top 20 brokers, by amount of commission paid are presented.





# | Section IV: **Actuarial**

# Actuary's Certification Letter



800.521.0498 | P: 248.799.9000 | [www.grsconsulting.com](http://www.grsconsulting.com)

October 26, 2023

Board of Trustees  
Missouri Local Government  
Employees Retirement System  
Jefferson City, Missouri

The fundamental financial objective of LAGERS is to establish and receive contributions which:

When expressed as percents of active member payroll, will remain approximately level from generation to generation of local citizens; and

When combined with present assets and future investment return, will be sufficient to meet the financial obligations of LAGERS to present and future retirees and beneficiaries.

To test how well the fundamental objective is being achieved, annual actuarial valuations are made. These valuations adjust employer contribution rates, up or down as the case may be, for differences in the past year between assumed financial experiences and actual financial experiences. In addition, these valuations determine the reserve strength of each employer group.

Using data as of February 28, 2023, separate actuarial valuations were made for 1,272 employer groups and a compiled annual actuarial report was issued as of that date. The data was reviewed in the aggregate by the actuary for internal and year-to-year consistency and reasonableness prior to use in the actuarial valuation process, but was not audited. It was also summarized and tabulated in order to analyze trends. We are not responsible for the accuracy or completeness of the data. Summary information about the resulting new employer contribution rates is shown in the Annual Comprehensive Financial Report (ACFR).

Assumptions concerning future experience are needed for computing employer contribution rates. As time passes and actual experience develops, assumed and actual experience is compared. From time-to-time, one or more of the assumptions about the future are changed by the Board after consulting with the actuary. The last major changes were in economic assumptions and non-economic assumptions based upon an Experience Study covering the period March 1, 2015 through February 29, 2020. These assumptions were first used in the 2021 valuations. The assumptions comply with the Actuarial Standards of Practice and the applicable reporting requirements of the Governmental Accounting Standards Board (GASB).

In addition to the compiled annual actuarial valuation report, separate reports are issued to provide funding and financial reporting information for the LAGERS Staff Plans in accordance with GASB Statement Nos. 67 and 68 (pension benefits) and GASB Statement Nos. 74 and 75 (retiree health benefits). Financial reporting information has been produced based upon a measurement date of June 30, 2023 for GASB Statement Nos. 67 and 68 and June 30, 2023 for GASB Statement Nos. 74 and 75.



The following schedules in the Actuarial Section and Financial Section of the ACFR were prepared based upon certain information presented in the previously mentioned funding and financial reporting valuation reports:

## Actuarial Section

- Summary of Actuarial Assumptions
- Actuarial Valuation Data
  - Participating Employers and Active Members
  - Retirant and Beneficiary Data
- Schedule of Funding Progress
- Short Condition Test
- Employer Contribution Rate Changes
- Employer Contribution Rates
- Schedule of Gains & Losses

## Financial Section

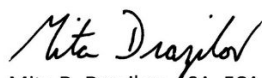
- LAGERS Staff Retirement Plan
  - Contributions
  - Total and Net Pension Liability
  - Sensitivity to Changes in the Discount Rate
  - Pension Expense and Deferred Outflows/Inflows of Resources Related to Pensions
  - Schedule of Changes in Net Pension Liability
  - Schedule of Employer Contributions
- LAGERS Staff Postemployment Healthcare Supplement
  - Contributions
  - Total and Net OPEB Liability
  - Sensitivity to Changes in the Discount Rate and Healthcare Trend Rates
  - OPEB Expense and Deferred Outflows/Inflows of Resources Related to OPEBs
  - Schedule of Changes in Net OPEB Liability
  - Schedule of Employer Contributions

On the basis of the 2023 valuations, it is our opinion that LAGERS continues to satisfy the actuarial principles of level cost financing.

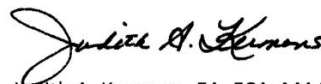
Future actuarial measurements may differ significantly from the current measurements presented in this report due to such factors as the following: plan experience differing from that anticipated by the economic or demographic assumptions; changes in economic or demographic assumptions; increases or decreases expected as part of the natural operation of the methodology used for these measurements (such as the end of an amortization period or additional cost or contribution requirements based on funded status); and changes in plan provisions or applicable law.

Mita D. Drazilov and Judith A. Kermans are Members of the American Academy of Actuaries (MAAA) and meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinions contained herein. The signing actuaries are independent of the plan sponsor.

Respectfully submitted,  
Gabriel, Roeder, Smith & Company



Mita D. Drazilov, ASA, FCA, MAAA



Judith A. Kermans, EA, FCA, MAAA

## Summary of Actuarial Assumptions

1. The investment return rate used in making the valuations was 7.00 percent per year, compounded annually. This rate of return is not the assumed real rate of return. The real rate of return is the portion of total investment return which is more than the wage inflation rate. Considering wage inflation recognition of 2.75 percent, the 7.00 percent investment return rate translates to an assumed real rate of return of 4.25 percent. The price inflation component of the investment return rate and the wage inflation rate is assumed to be 2.25 percent. Adopted 2021.
2. The mortality table used to evaluate mortality among active members was the 75% of the PubG-2010 Employees Mortality Table for males and females of General groups and 75% of the PubS-2010 Employee Mortality Table for males and females of Police, Fire & Public Safety groups. Adopted 2021.
3. The mortality table used in evaluating allowances to be paid was 115% of the PubG-2010 Retiree Mortality Table for males and females and 115% of the PubNS-2010 Disabled Retiree Mortality Table for males and females. Adopted 2021.
4. For both the post-retirement and pre-retirement tables, mortality rates for a particular calendar year are determined by applying the MP-2020 mortality improvement scale to the above described tables. Adopted 2021.
5. The probabilities of withdrawal from service, together with individual pay increase assumptions, are shown in Schedule 1. Adopted 2021.
6. The probabilities of retirement with an age and service allowance are shown in Schedule 2. Adopted 2021.
7. Total active member payroll is assumed to increase 2.75 percent a year, which is the portion of the individual pay increase assumptions attributable to wage inflation. In effect, this assumes no change in the number of active members per employer. Adopted 2021.
8. An individual entry-age normal cost method of valuation was used in determining age and service allowance normal costs and the allocation of actuarial present values between service rendered before and after the valuation date. Actuarial gains and losses reduce or increase the unfunded liability and are amortized over the remaining amortization period. Adopted 1987.
9. Present assets (cash and investments as of last valuation date) are valued using smoothing techniques of fair value over a five-year period. Funding value is not permitted to deviate from fair value by more than 20 percent. Adopted 2003.
10. The data about persons now covered and about present assets were furnished by the System's administrative staff. Although examined for general reasonableness, the data was not audited by the actuary.
11. The actuarial valuation computations were made by or under the supervision of a Member of the American Academy of Actuaries (M.A.A.A.).

Schedule 1						
Withdrawal From Active Employment Before Age & Service Retirement and Individual Pay Increase Assumptions						
Percent of Active Members Separating Within Next Year						
Sample Ages	Years of Service	General/Public Safety		Police	Fire	Percent Increase In Individual's Pay During Next Year <sup>#</sup>
		Men	Women			
All	0	20.0%	23.0%	18.0%	12.0%	
	1	18.0	21.0	17.0	10.0	
	2	16.0	18.0	16.0	8.0	
	3	13.0	15.0	14.0	8.0	
	4	12.0	13.0	13.0	7.0	
25	5 & Over	8.8	12.4	10.8	6.0	6.75 %
30		7.1	10.2	8.5	4.5	5.95
35		5.6	7.8	6.3	3.2	5.35
40		4.1	5.8	4.6	2.4	4.85
45		3.1	4.4	3.4	1.9	4.25
50		2.4	3.5	2.1	1.3	3.85
55		1.7	2.5	1.1	0.7	3.65
60		1.1	1.4			3.45
65		0.0	0.0			3.15
* Pay increase rates for police and fire employees differ slightly.						
# Individual pay increase rates relate to all years of service.						

Withdrawal From Active Employment Before Age & Service Retirement due to Death or Disability								
Sample Ages	Death*				Disability			
	General		Police/ Public Safety	Fire	General/Public Safety		Police	Fire
	Men	Women			Men	Women		
25	0.03 %	0.01 %	0.03 %	0.03 %	0.07 %	0.02 %	0.10 %	0.07 %
30	0.04	0.02	0.04	0.04	0.10	0.03	0.11	0.11
35	0.05	0.02	0.05	0.05	0.13	0.06	0.16	0.25
40	0.07	0.03	0.06	0.06	0.18	0.09	0.22	0.39
45	0.08	0.04	0.07	0.07	0.25	0.15	0.34	0.62
50	0.11	0.06	0.08	0.08	0.37	0.22	0.53	0.95
55	0.16	0.09	0.13	0.13	0.57	0.32	0.88	1.46
60	0.25	0.15			0.86	0.45		
65	0.35	0.21						
*Applicable to calendar year 2023. Rate in future years are determined by the above rates and the MP-2020 scale.								

# Summary of Actuarial Assumptions (continued)

SCHEDULE 2					
Percent of Eligible Active Members Retiring Within Next Year Without Rule of 80 Eligibility					
Retirement Ages	General Members		Retirement Ages	Police/ Public Safety*	Fire*
	Men*	Women*			
55	3.0 %	3.0 %	50	2.5%	2.25%
56	3.0	3.0	51	2.5	2.25
57	3.0	3.0	52	3.0	2.25
58	3.0	3.0	53	3.0	2.25
59	3.0	3.0	54	3.5	2.25
60	10.0	10.0	55	11.0	13.0
61	10.0	10.0	56	11.0	13.0
62	25.0	15.0	57	11.0	13.0
63	20.0	15.0	58	11.0	13.0
64	20.0	15.0	59	11.0	13.0
65	25.0	25.0	60	11.0	15.0
66	25.0	30.0	61	11.0	20.0
67	20.0	25.0	62	22.0	20.0
68	20.0	25.0	63	18.0	20.0
69	20.0	20.0	64	18.0	20.0
70	100.0	100.0	65	100.0	100.0

Percent of Eligible Active Members Retiring Within Next Year With Rule of 80 Eligibility					
Retirement Ages	Men	Women	Police/Public Safety	Fire	
50	20.0 %	15.0%	25.0%	25.0%	
51	20.0	15.0	25.0	20.0	
52	15.0	15.0	15.0	20.0	
53	15.0	15.0	15.0	20.0	
54	15.0	15.0	15.0	20.0	
55	15.0	15.0	15.0	20.0	
56	15.0	15.0	15.0	20.0	
57	15.0	15.0	15.0	25.0	
58	15.0	15.0	15.0	25.0	
59	15.0	15.0	15.0	25.0	
60	15.0	15.0	15.0	35.0	
61	15.0	15.0	25.0	35.0	
62	25.0	15.0	20.0	45.0	
63	25.0	15.0	20.0	45.0	
64	25.0	20.0	20.0	45.0	
65	30.0	25.0	100.0	100.0	
66	30.0	25.0			
67	20.0	25.0			
68	20.0	25.0			
69	20.0	25.0			
70	100.0	100.0			

*\*First 5 Years of retirement only apply to early retirement. Early Retirement rates are also applicable if Rule of 80 is adopted.*

# Actuarial Valuation Data

Participating Employers and Active Members							
Valuation Date	Number of		Active Members				Inflation Increase % (CPI)
	Participating Employers	Valuation Groups	Number	Annual Payroll	Average Pay	% Increase	
2-28-23	829	1,272	35,691	\$ 2,033,390,262	\$ 56,972	6.1 %	6.0 %
2-28-22	812	1,245	35,029	1,880,488,829	53,684	4.5	7.9
2-28-21	801	1,225	35,380	1,816,911,441	51,354	1.3	1.7
2-29-20	789	1,207	35,248	1,787,038,817	50,699	4.0	2.3
2-28-19	730	1,141	34,523	1,682,772,357	48,744	2.7	1.5
2-28-18	704	1,116	34,053	1,616,895,524	47,482	2.7	2.2
2-28-17	681	1,078	33,633	1,555,729,666	46,256	2.3	2.7
2-29-16	667	1,067	33,335	1,507,588,470	45,225	2.4	1.0
2-28-15	663	1,062	33,104	1,462,218,216	44,170	0.7	—
2-28-14	654	1,055	33,205	1,456,008,487	43,849	3.2	1.1

Retirant and Beneficiary Data								
Year Ended	Added to Rolls		Removed from Rolls		Rolls End of Year		% Increase in Annual Allowances	Average Annual Allowances
	No.	Annual Allowances*	No.	Annual Allowances	No.	Annual Allowances		
2-28-23	2,151	\$ 46,643,689	869	\$ 10,709,454	28,995	\$ 413,516,133	9.5 %	\$ 14,262
2-28-22	2,200	44,035,181	908	10,337,555	27,713	377,581,898	9.8	13,625
2-28-21	2,105	32,183,547	972	10,464,999	26,421	343,884,272	6.7	13,016
2-29-20	1,914	30,831,382	762	8,309,766	25,288	322,165,724	7.5	12,740
2-28-19	1,909	33,269,236	691	7,232,130	24,136	299,644,108	9.5	12,415
2-28-18	1,898	30,005,238	760	7,909,356	22,918	273,607,002	8.8	11,939
2-28-17	1,817	24,889,736	686	6,826,899	21,780	251,511,120	7.7	11,548
2-29-16	1,715	21,160,239	634	6,604,522	20,649	233,448,283	6.6	11,306
2-28-15	1,698	25,056,006	632	5,764,961	19,568	218,892,566	9.7	11,186
2-28-14	1,586	20,455,414	587	5,265,017	18,502	199,601,520	8.2	10,788

\*Includes post-retirement adjustments.

Each employer participating in the system is financially responsible for its own liabilities. Accordingly, the aggregate numbers presented on this and the following pages are indicative only of the overall condition of the system and are not indicative of the status of any one employer.

# Actuarial Valuation Data (continued)

## SCHEDULE OF FUNDING PROGRESS (in thousands)

LAGERS Schedule of Funding Progress						
Valuation Date	Actuarial Value of Assets	Actuarial Accrued Liability	Unfunded Accrued Liability (UAL)	Funded Ratio	Annual Covered Payroll	UAL as a % of Covered Payroll
2-28-23	\$ 10,141,171	\$ 10,659,313	\$ 518,142	95.1 %	\$ 2,033,390	25.5 %
2-28-22	9,571,803	9,921,792	349,989	96.5	1,880,489	18.6
2-28-21#	8,777,416	9,182,065	404,649	95.6	1,816,911	22.3
2-29-20	8,083,991	8,630,842	546,851	93.7	1,787,039	30.6
2-28-19	7,698,245	8,113,101	414,856	94.9	1,682,772	24.7
2-28-18	7,297,700	7,631,703	334,003	95.6	1,616,896	20.7
2-28-17	6,764,626	7,135,950	371,324	94.8	1,555,730	23.9
2-29-16#	6,320,171	6,671,352	351,181	94.7	1,507,588	23.3
2-28-15	5,972,471	6,324,109	351,638	94.4	1,462,218	24.0
2-28-14	5,388,199	5,873,911	485,712	91.7	1,456,008	33.4
# Revised actuarial assumptions						

As of February 28, 2023, the most recent actuarial valuation date, the plan on an aggregated basis was 95.1% funded on an actuarial basis. The actuarial accrued liability for benefits was \$10.7 billion, and the actuarial value of assets was \$10.1 billion, resulting in an unfunded actuarial accrued liability (UAAL) of \$518 million. The covered payroll (annual payroll of active employees covered by the plan) was \$2.0 billion, and the ratio of the UAAL to the covered payroll was 25.5%

Each employer participating in the System is financially responsible for its own obligation. Accordingly, the aggregated numbers presented on this page are indicative only of the overall condition of the System and are not indicative of any one employer.

The schedule of funding progress presents multi-year trend information about whether the actuarial values of plan assets are increasing or decreasing over time relative to the actuarial accrued liability for benefits.

Additional Information as of the Latest Actuarial Valuation Follows:

Valuation date	02-28-23
Actuarial Cost Method	Individual Entry Age
Amortization method	Closed, level percent of payroll
Remaining amortization period	Varies between 0 and 30 years, by employer
Asset valuation method	5-year smoothed market, 20% corridor

**Actuarial Assumptions:**

Investment rate of return	7.00%
Projected salary increases	2.75% to 7.15% including wage inflation
Assumed wage inflation rate	2.75%
Post-retirement increases	2.00%

Mortality: The healthy retiree mortality tables, for post-retirement mortality, were 115% of the PubG-2010 Mortality Tables for males and females. The disabled retiree mortality tables, for post-retirement mortality, were 115% of the PubNS-2010 Disabled Retiree Mortality Table for males and females. The pre-retirement mortality tables used were 75% of the PubG-2010 Employee Mortality Tables for males and females of General groups and 75% of the PubS-2010 Employee Mortality Table for males and females of Police, Fire, and Public Safety groups.

Mortality rates for a particular calendar year are determined by applying the MP-2020 mortality improvement scale to the above described tables.



## SHORT CONDITION TEST

The LAGERS funding objective is to meet long term benefit promises through contributions that remain approximately level from year to year as a percent of member payroll. If the contributions to the system are level in concept and soundly executed, the system will pay all promised benefits when due — the ultimate test of financial soundness. Testing for level contribution rates is the long-term test.

A short condition test is one means of checking a system's progress under its funding program. In a short condition test, the plan's present assets (cash and investments) are compared with actuarial accrued liabilities for: (1) active member contributions on deposit; (2) future benefits to present retired lives; (3) service already rendered by active members. In a system that has been following the discipline of level percent of payroll financing, the liabilities for active member contributions on deposit and the future benefits to present retired lives will be fully covered by present assets (except in rare circumstances). In addition, the liabilities for service already rendered by active members will be at least partially covered by the remainder of present assets. The larger the funded portion of liability (3), the stronger the condition of the system.

The schedule below illustrates the most recent 10 year history of the system's actuarial accrued liabilities and is indicative of the LAGERS policy of following the discipline of level percent of payroll financing.

Valuation Date	Entry Age Accrued Liability For			Actuarial Value of Assets	Portion of Accrued Liability Covered by Assets		
	(1) Active Member Contributions	(2) Retirants and Beneficiaries*	(3) Active Members (Employer Financed Portion)		(1)	(2)	(3)
2-28-23	\$ 194,809,810	\$ 5,572,532,340	\$ 4,891,971,244	\$ 10,141,171,396	100%	100%	89%
2-28-22	183,030,619	5,140,930,395	4,597,831,443	9,571,802,740	100	100	92
2-28-21#	175,917,043	4,615,234,881	4,390,913,565	8,777,415,976	100	100	91
2-29-20	169,100,962	4,121,913,291	4,339,827,890	8,083,990,980	100	100	87
2-28-19	162,317,487	3,840,475,375	4,110,307,786	7,698,244,648	100	100	90
2-28-18	150,947,222	3,548,016,100	3,932,739,323	7,297,699,793	100	100	92
2-28-17	144,754,979	3,195,680,396	3,795,514,878	6,764,626,389	100	100	90
2-29-16#	137,652,896	2,896,669,106	3,637,030,335	6,320,171,438	100	100	90
2-28-15	133,985,740	2,797,401,342	3,392,722,109	5,972,471,342	100	100	90
2-28-14	129,399,490	2,401,194,322	3,343,317,147	5,388,198,677	100	100	85
#Revised actuarial assumptions.				*Includes reserve for future benefit increases.			

## EMPLOYER CONTRIBUTION RATE CHANGES

Annual actuarial valuations are conducted by the system to determine employer contribution rates for the ensuing fiscal year of the employer. As of February 28, 2023 there were 1,272 separate contribution rates determined for the 829 participating political subdivisions in the system. Of these new employer contribution rates, 822 were increases over the previous year and 343 were decreases from the previous year's rate. A 10 year comparative schedule of contribution rate adjustments is shown below:

Valuation Date	Decreases	Increases	Unchanged	Total*
2-28-23	343	822	107	1,272
2-28-22	585	544	116	1,245
2-28-21	659	469	97	1,225
2-29-20	342	771	94	1,207
2-28-19	385	651	105	1,141
2-28-18	494	487	135	1,116
2-28-17	397	576	105	1,078
2-29-16	255	759	53	1,067
2-28-15	738	244	80	1,062
2-28-14	772	231	52	1,055
* There are eighty-one groups presently without active members for which dollar contribution rates were computed. They are not included in the totals.				

# Employer Contribution Rates

Benefit Programs											
0% Contributory - Number of Valuation Groups											
Benefit Program	Under 2.00%	2.00-4.99%	5.00-7.99%	Over 8.00%	Totals*	Benefit Program	Under 2.00%	2.00-4.99%	5.00-7.99%	Over 8.00%	Totals*
Benefit Program L-1						Benefit Program LT-4(65)					
General	5	5	12	22	44	General	—	—	—	1	1
Police	1	2	2	8	13	Police	—	—	1	—	1
Fire	—	—	—	2	2	Fire	—	—	—	—	—
Public Safety	—	—	—	—	—	Public Safety	—	—	—	—	—
Total:	6	7	14	32	59	Total:	—	—	1	1	2
Benefit Program L-3						Benefit Program LT-5(62)					
General	6	5	7	29	47	General	1	—	—	—	1
Police	1	1	8	13	23	Police	—	—	—	—	—
Fire	—	1	1	3	5	Fire	—	—	—	—	—
Public Safety	—	—	—	2	2	Public Safety	—	—	—	—	—
Total:	7	7	16	47	77	Total:	1	—	—	—	1
Benefit Program L-6						Benefit Program LT-5(65)					
General	3	1	3	117	124	General	—	2	—	1	3
Police	2	—	1	62	65	Police	1	—	1	1	3
Fire	—	1	1	25	27	Fire	1	—	—	—	1
Public Safety	—	—	—	1	1	Public Safety	—	—	—	1	1
Total:	5	2	5	205	217	Total:	2	2	1	3	8
Benefit Program L-7						Benefit Program LT-8(62)					
General	4	11	28	123	166	General	—	—	—	—	—
Police	1	5	10	30	46	Police	—	—	—	—	—
Fire	—	2	1	7	10	Fire	—	—	—	—	—
Public Safety	—	—	—	1	1	Public Safety	—	—	—	—	—
Total:	5	18	39	161	223	Total:	—	—	—	—	—
Benefit Program L-9						Benefit Program LT-8(65)					
General	2	1	—	4	7	General	—	2	7	11	20
Police	—	1	—	2	3	Police	1	—	2	12	15
Fire	—	—	—	—	—	Fire	1	1	1	8	11
Public Safety	—	—	—	—	—	Public Safety	—	—	—	1	1
Total:	2	2	—	6	10	Total:	2	3	10	32	47
Benefit Program L-11						Benefit Program LT-10(65)					
General	—	—	—	5	5	General	—	2	1	5	8
Police	—	—	—	2	2	Police	1	—	—	1	2
Fire	—	—	—	8	8	Fire	—	—	—	—	—
Public Safety	—	—	—	—	—	Public Safety	—	—	—	—	—
Total:	—	—	—	15	15	Total:	1	2	1	6	10
Benefit Program L-12						Benefit Program LT-14(65)					
General	2	1	4	35	42	General	—	—	1	8	9
Police	2	—	3	16	21	Police	1	1	—	2	4
Fire	1	—	2	7	10	Fire	—	—	1	1	2
Public Safety	—	—	—	1	1	Public Safety	—	—	—	—	—
Total:	5	1	9	59	74	Total:	1	1	2	11	15
Totals*	30	37	83	525	675	Totals*	7	8	15	53	83

\*There are forty-three 0% Member Contribution Rate groups presently without active members. They are not included in the totals.

# Employer Contribution Rates

Benefit Programs											
2% Contributory - Number of Valuation Groups											
Benefit Program	Under 2.00%	2.00-4.99%	5.00-7.99%	Over 8.00%	Totals	Benefit Program	Under 2.00%	2.00-4.99%	5.00-7.99%	Over 8.00%	Totals
L-1						LT-4(65)					
General	—	1	—	—	1	General	—	—	—	—	—
Police	—	—	—	—	—	Police	—	—	—	—	—
Fire	—	—	—	—	—	Fire	—	—	—	—	—
Public Safety	—	—	—	—	—	Public Safety	—	—	—	—	—
Total:	—	1	—	—	1	Total:	—	—	—	—	—
L-3						LT-5(62)					
General	—	—	—	1	1	General	—	—	—	—	—
Police	—	—	—	1	1	Police	—	—	—	—	—
Fire	—	—	—	—	—	Fire	—	—	—	—	—
Public Safety	—	—	—	—	—	Public Safety	—	—	—	—	—
Total:	—	—	—	2	2	Total:	—	—	—	—	—
L-6						LT-5(65)					
General	—	—	1	2	3	General	—	—	—	—	—
Police	—	—	—	2	2	Police	—	—	—	—	—
Fire	—	—	—	2	2	Fire	—	—	—	—	—
Public Safety	—	—	—	—	—	Public Safety	—	—	—	—	—
Total:	—	—	1	6	7	Total:	—	—	—	—	—
L-7						LT-8(62)					
General	—	—	1	1	2	General	—	—	—	—	—
Police	—	1	—	1	2	Police	—	—	—	—	—
Fire	—	—	—	—	—	Fire	—	—	—	—	—
Public Safety	—	—	—	—	—	Public Safety	—	—	—	—	—
Total:	—	1	1	2	4	Total:	—	—	—	—	—
L-9						LT-8(65)					
General	—	—	—	—	—	General	—	—	—	—	—
Police	—	—	—	—	—	Police	—	—	—	—	—
Fire	—	—	—	—	—	Fire	—	—	—	—	—
Public Safety	—	—	—	—	—	Public Safety	—	—	—	—	—
Total:	—	—	—	—	—	Total:	—	—	—	—	—
L-11						LT-10(65)					
General	—	—	—	—	—	General	—	—	—	—	—
Police	—	—	—	—	—	Police	—	—	—	—	—
Fire	—	—	—	—	—	Fire	—	—	—	—	—
Public Safety	—	—	—	—	—	Public Safety	—	—	—	—	—
Total:	—	—	—	—	—	Total:	—	—	—	—	—
L-12						LT-14(65)					
General	—	—	—	2	2	General	—	—	—	—	—
Police	—	—	—	1	1	Police	—	—	—	—	—
Fire	—	—	—	1	1	Fire	—	—	—	—	—
Public Safety	—	—	—	—	—	Public Safety	—	—	—	—	—
Total:	—	—	—	4	4	Total:	—	—	—	—	—
Totals	—	2	2	14	18	Totals	—	—	—	—	—

# Employer Contribution Rates

Benefit Programs											
4% Contributory - Number of Valuation Groups											
Benefit Program	Under 2.00%	2.00-4.99%	5.00-7.99%	Over 8.00%	Totals*	Benefit Program	Under 2.00%	2.00-4.99%	5.00-7.99%	Over 8.00%	Totals*
Benefit Program L-1						Benefit Program LT-4(65)					
General	28	19	18	13	78	General	1	1	1	1	4
Police	12	6	6	2	26	Police	—	—	—	—	—
Fire	1	2	—	2	5	Fire	—	—	—	—	—
Public Safety	—	—	2	—	2	Public Safety	—	—	—	—	—
Total:	41	27	26	17	111	Total:	1	1	1	1	4
Benefit Program L-3						Benefit Program LT-5(62)					
General	13	12	10	19	54	General	—	—	—	—	—
Police	6	4	3	2	15	Police	—	—	—	—	—
Fire	1	1	3	1	6	Fire	—	—	—	—	—
Public Safety	—	—	—	—	—	Public Safety	—	—	—	—	—
Total:	20	17	16	22	75	Total:	—	—	—	—	—
Benefit Program L-6						Benefit Program LT-5(65)					
General	2	5	10	61	78	General	—	—	—	—	—
Police	6	2	4	26	38	Police	—	—	—	—	—
Fire	2	1	—	17	20	Fire	—	—	—	—	—
Public Safety	—	—	—	4	4	Public Safety	—	—	—	—	—
Total:	10	8	14	108	140	Total:	—	—	—	—	—
Benefit Program L-7						Benefit Program LT-8(62)					
General	12	20	19	22	73	General	1	—	—	—	1
Police	6	5	8	7	26	Police	—	—	—	—	—
Fire	—	2	1	7	10	Fire	—	—	—	—	—
Public Safety	—	—	—	—	—	Public Safety	—	—	—	—	—
Total:	18	27	28	36	109	Total:	1	—	—	—	1
Benefit Program L-9						Benefit Program LT-8(65)					
General	2	1	—	3	6	General	2	—	2	2	6
Police	—	1	—	—	1	Police	1	1	1	—	3
Fire	—	—	—	—	—	Fire	—	1	—	—	1
Public Safety	—	—	—	—	—	Public Safety	—	—	—	—	—
Total:	2	2	—	3	7	Total:	3	2	3	2	10
Benefit Program L-11						Benefit Program LT-10(65)					
General	—	—	—	1	1	General	—	—	1	1	2
Police	—	—	—	3	3	Police	—	—	—	—	—
Fire	—	—	—	3	3	Fire	—	—	—	—	—
Public Safety	—	—	—	—	—	Public Safety	—	—	—	—	—
Total:	—	—	—	7	7	Total:	—	—	1	1	2
Benefit Program L-12						Benefit Program LT-14(65)					
General	—	1	2	8	11	General	—	—	1	—	1
Police	—	1	2	1	4	Police	—	—	—	—	—
Fire	—	—	—	2	2	Fire	—	—	—	—	—
Public Safety	—	—	—	—	—	Public Safety	—	—	—	—	—
Total:	—	2	4	11	17	Total:	—	—	1	—	1
Totals*	91	83	88	204	466	Totals*	5	3	6	4	18

\*There are thirty-eight 4% Member Contribution Rate groups presently without active members. They are not included in the totals.

# Employer Contribution Rates

Benefit Programs											
6% Contributory - Number of Valuation Groups											
Benefit Program	Under 2.00%	2.00-4.99%	5.00-7.99%	Over 8.00%	Totals	Benefit Program	Under 2.00%	2.00-4.99%	5.00-7.99%	Over 8.00%	Totals
<b>Benefit Program L-1</b>						<b>Benefit Program LT-4(65)</b>					
General	—	—	—	—	—	General	—	—	—	—	—
Police	—	—	—	—	—	Police	—	—	—	—	—
Fire	—	—	—	—	—	Fire	—	—	—	—	—
Public Safety	—	—	—	—	—	Public Safety	—	—	—	—	—
Total:	—	—	—	—	—	Total:	—	—	—	—	—
<b>Benefit Program L-3</b>						<b>Benefit Program LT-5(62)</b>					
General	—	—	—	—	—	General	—	—	—	—	—
Police	—	—	—	—	—	Police	—	—	—	—	—
Fire	—	—	—	—	—	Fire	—	—	—	—	—
Public Safety	—	—	—	—	—	Public Safety	—	—	—	—	—
Total:	—	—	—	—	—	Total:	—	—	—	—	—
<b>Benefit Program L-6</b>						<b>Benefit Program LT-5(65)</b>					
General	—	—	1	1	2	General	—	—	—	—	—
Police	—	—	—	1	1	Police	—	—	—	—	—
Fire	—	—	—	1	1	Fire	—	—	—	—	—
Public Safety	—	—	—	—	—	Public Safety	—	—	—	—	—
Total:	—	—	1	3	4	Total:	—	—	—	—	—
<b>Benefit Program L-7</b>						<b>Benefit Program LT-8(62)</b>					
General	—	1	1	1	3	General	—	—	—	—	—
Police	—	1	—	—	1	Police	—	—	—	—	—
Fire	—	—	—	—	—	Fire	—	—	—	—	—
Public Safety	—	1	—	1	2	Public Safety	—	—	—	—	—
Total:	—	3	1	2	6	Total:	—	—	—	—	—
<b>Benefit Program L-9</b>						<b>Benefit Program LT-8(65)</b>					
General	—	—	—	—	—	General	—	—	—	—	—
Police	—	—	—	—	—	Police	—	—	—	—	—
Fire	—	—	—	—	—	Fire	—	—	—	—	—
Public Safety	—	—	—	—	—	Public Safety	—	—	—	—	—
Total:	—	—	—	—	—	Total:	—	—	—	—	—
<b>Benefit Program L-11</b>						<b>Benefit Program LT-10(65)</b>					
General	—	—	—	—	—	General	—	—	—	—	—
Police	—	—	—	—	—	Police	—	—	—	—	—
Fire	—	—	—	—	—	Fire	—	—	—	—	—
Public Safety	—	—	—	—	—	Public Safety	—	—	—	—	—
Total:	—	—	—	—	—	Total:	—	—	—	—	—
<b>Benefit Program L-12</b>						<b>Benefit Program LT-14(65)</b>					
General	—	—	—	1	1	General	—	—	—	—	—
Police	—	—	—	1	1	Police	—	—	—	—	—
Fire	—	—	—	—	—	Fire	—	—	—	—	—
Public Safety	—	—	—	—	—	Public Safety	—	—	—	—	—
Total:	—	—	—	2	2	Total:	—	—	—	—	—
<b>Totals</b>	—	3	2	7	12	<b>Totals</b>	—	—	—	—	—

# Schedule of Gains & Losses

In Accrued Liabilities for the Year Ended February 28, 2023

Type of Activity	Gain or (Loss)	% of Liability
<b>Age &amp; Service Retirements.</b> If members retire at older ages or with lower final average pay than assumed, there is a gain. If younger ages or higher average pays, a loss.	\$ (8,411,639)	(0.08)%
<b>Death-in-Service Benefits.</b> If survivor claims are less than assumed, there is a gain. If more claims, there is a loss.	674,331	0.01
<b>Withdrawal From Employment.</b> If more liabilities are released by withdrawals than assumed, there is a gain. If smaller releases, a loss.	24,347,943	0.25
<b>Disability Benefits.</b> If more liabilities are released by disabilities than assumed, there is a gain. If smaller, a loss.	(1,763,050)	(0.02)
<b>Pay Increases.</b> If there are smaller pay increases than assumed, there is a gain. If greater increases, a loss.	(153,016,259)	(1.55)
<b>Investment Income.</b> If there is greater investment return on assets than assumed, there is a gain. If less return, a loss.	36,719,505	0.37
<b>New Active Members.</b> Includes the hiring of existing LAGERS members by other employers.	(35,328,927)	(0.36)
<b>Benefit Reserve Fund.</b> The effect of the change in reserve for future experience and other retiree experience on system-wide UAAL.	(20,049,629)	(0.20)
<b>Other.</b> Miscellaneous gains and losses resulting from data adjustments, timing of financial transactions, valuation methods, etc.	(16,610,140)	(0.17)
<b>Gains (or Loss) During Year From Experience</b>	\$ (173,437,865)	(1.75)%



# Summary of Plan Provisions

## Purpose

The Missouri Local Government Employees Retirement System (LAGERS) is a body corporate created and governed by the State of Missouri to provide retirement, survivors and disability benefits to the state's local government employees in the most efficient and economical manner possible. As such, LAGERS is a non-profit entity which has the responsibility of administering the law in accordance with the expressed intent of the General Assembly and bears a fiduciary obligation to the State of Missouri, the taxpayers and the public employees who are its beneficiaries.

This summary of LAGERS plan provisions is included for informational purposes only. System eligibility requirements and benefits provisions are determined pursuant to Chapter 70, RSMo. and LAGERS Administrative Rules, 16 CSR 20. Accordingly, members, retirees, beneficiaries, and participating political subdivisions are urged to contact LAGERS before making any decisions related to matters included in the following summary.

## Administration

The statutes provide that the administration of LAGERS be vested in a seven member Board of Trustees. Three of these trustees are "Member Trustees" who must be participating members of the system. Three members of the Board are "Employer Trustees" who must be elected or appointed officials of a member subdivision, but who do not personally participate in LAGERS. The statutes which govern LAGERS require that an Annual Meeting be held in the last calendar quarter of each year. Each participating political subdivision is to conduct a secret ballot election allowing each member in that subdivision to vote to elect a "member" delegate to the Annual Meeting. The governing body may then select one of their own, or another person acting in their behalf, to serve as "employer" delegate for the subdivision. All Member and Employer Trustees are elected by their respective delegates at the LAGERS Annual Meeting. The remaining Board member is a "Citizen Trustee" appointed by the governor, who can be neither a member nor employer. A complete listing of the current Board of Trustees is included in the Introductory Section.

The management of LAGERS is vested in an Executive Director who is appointed by the Board and serves at their pleasure. The Executive Director acts as advisor to the Board on all matters pertaining to the system and, with the approval of the Board, contracts for professional services and employs the remaining staff needed to operate the system. A listing of the LAGERS team and advisors is included in the Introductory Section.

## Normal Retirement

A member may retire with an age and service allowance after completing: 1.) at least five years of credited service, and 2.) attaining his minimum service retirement age. This minimum service retirement age is 60 for general members, 55 for law enforcement or fire personnel, and 55 for eligible public safety personnel of electing employers.

A participating LAGERS subdivision may, by a majority vote of the governing body, select an alternate unreduced retirement for employees whose age and service total 80. This provision also requires five years of credited service.

## Final Average Salary

Final average salary is the average of a member's monthly pay during the period of 60 consecutive months of credited service producing the highest monthly average, which is contained within the 120 consecutive months of credited service immediately preceding retirement. For most members, this is the last five years of employment. A participating LAGERS subdivision may, by majority vote of the governing body, elect to have their future retirants' benefits calculated using a 36 month final average salary period.

## Credited Service

Credited service is a combination of the prior service a member accrued prior to his employer joining LAGERS and the membership service he accrues after that date. Because LAGERS is a state-wide retirement system with hundreds of member subdivisions, credited service can be a combination of service with several employers.

# Summary of Plan Provisions (Continued)

## Age and Service Allowance

This is the normal retirement benefit and is payable monthly for the lifetime of a member. It equals a specified percent of a member's final average salary multiplied by his number of years of credited service. Each employer elects the percent applicable to his members from 10 available programs: L-1 (1% for life); L-3 (1.25% for life); LT-4(65) (1% for life, 1% to age 65); LT-5(65) (1.25% for life, .75% to age 65); L-6 (2% for life); L-7 (1.5% for life); LT-8(65) (1.5% for life, .5% to age 65); L-12 (1.75% for life); LT-14(65) (1.75% for life, .25% to age 65); and L-11 (2.5% for life – non-OASDI coverage only). All LT programs denoted LT(62) extend temporary benefits to age 62, rather than age 65. These benefit programs can be changed by majority vote of the subdivision's governing body, but not more often than biennially.

## Early Retirement

A member in service may retire with an early retirement benefit after completing: 1.) at least five years of credited service, and 2.) attaining age 55 if a general member, age 50 for a law enforcement or fire member, or 50 for eligible public safety personnel where elected. The early retirement benefit is computed in the same manner as an age and service allowance but reduced by  $\frac{1}{2}$  of 1 percent for each month the retirant is younger than his minimum service retirement age.

## Deferred Retirement

If a member leaves LAGERS covered employment before attaining his early retirement age, but after completing five or more years of service, he becomes eligible for a deferred allowance; provided he lives to his early retirement age and does not withdraw his accumulated contributions, if applicable. Deferred members with less than 10 years of credited service and greater than 10 years until their minimum service retirement age may be eligible for a lump-sum payment. Any deferred benefit paid prior to the member attaining his minimum service retirement age will be reduced  $\frac{1}{2}$  of 1 percent for each month the retirant is younger than his minimum service retirement age.

## Non-Duty Disability Benefit

A member with five or more years of credited service who becomes totally and permanently disabled from performing his job from other than duty connected causes is eligible for a non-duty disability benefit computed in the same manner as an age and service allowance, based upon his service and salary to time of disability. Continuing medical examinations are required to confirm the disability once per year for the first five years and once every three years thereafter until reaching the minimum service retirement age.

## Duty Disability Benefit

A member who becomes totally and permanently disabled from performing his job from a duty related injury or disease is eligible for a duty disability benefit computed in the same manner as an age and service allowance, but based upon the years of service the member would have completed had he continued in LAGERS covered employment to age 60. Continuing medical examinations are required to confirm the disability once per year for the first five years and once every three years thereafter until reaching the minimum service retirement age.

## Survivors Benefit, Non-Duty Death

Upon the death of an active member who had completed at least five years of credited service, an eligible spouse will receive a non-duty death benefit computed upon the deceased member's service and salary to time of death. The surviving spouse receives an allowance equal to the Option A allowance (joint and 75 percent survivor benefits). If no spouse benefit is payable, the dependent children under age 18 (23 if they are full-time students) each receive an equal share of 60 percent of the Life allowance computed for the deceased. In the event there are no surviving spouse or dependent children, any member contributions will be distributed to the named beneficiary of record.

## Survivors Benefit, Duty Death

If an active member's death was the natural and proximate result of a personal injury or disease arising out of and in the course of his actual performance of duty as an employee, the spouse is eligible for a duty death benefit computed in the same manner as an age and service allowance, but based upon the years of service the member would have completed had he continued in LAGERS covered employment to age 60. The surviving spouse receives an allowance equal to the Option A allowance (joint and 75 percent survivor benefits). If no spouse benefit is payable, the dependent children under age 18 (23 if they are full-time students) each receive an equal share of 60 percent of the life allowance computed for the deceased. In the event there are no surviving spouse or dependent children, any member contributions will be distributed to the named beneficiary of record.

## Post Retirement Adjustment

All retired members are eligible for an annual post retirement adjustment beginning the October first twelve months after the effective date of their allowance. The adjustment is based on the increase in the Consumer Price Index and is limited to 4 percent per year. The Board of Trustees determines annually the amount of the post retirement adjustment subject to the 4 percent maximum or the increase in the Consumer Price Index.

## Optional Forms of Payment

When a LAGERS member makes application for retirement, his benefits are calculated in several optional forms and he selects the one that best fits his retirement needs. This election of an optional form of payment is made immediately prior to the receipt of the first benefit check and once the election is made, it is irrevocable. The options are as follows:

**Life Option:** This is the largest payment available to a retirant. Upon the death of the retirant monthly payments cease. If the member has not withdrawn at least his accumulated contributions before death, a refund of the balance of his account is made to his beneficiary of record.

**Option A:** This is a continuing spouse option which allows the retirant to receive less (85 percent if spouse age is the same) of the Life Option with the provision that the surviving spouse will receive 75 percent of the member's benefit for the remainder of his or her lifetime.

**Option B:** This option is also a continuing spouse option similar to Option A except the percentages are slightly changed. Under Option B, the retirant would receive a higher benefit (90 percent of the Life Option if spouse is the same age) with the surviving spouse receiving 50 percent of the member's benefit for the remainder of his or her lifetime.

**Option C:** The final of the four options is referred to as a "ten-year certain" option. As with the other options, the benefit (95 percent of the Life Option) is payable for the lifetime of the member but with an added provision that the system will make at least 120 monthly payments. If the employee lives over 10 years after retirement, monthly payments will cease upon his death.

**Partial Lump Sum Feature (PLUS):** This feature provides the option to elect a partial lump sum distribution of the monthly retirement benefit, coupled with a reduced future monthly benefit. The lump sum distribution would be equal to 24 monthly payments of the life allowance amount (does not include any temporary allowance payable under a Life and Temporary plan) at time of retirement. The lump sum payment would result in a reduction (approximately 16 percent) of the retiree's future monthly benefit adjusted for age. All the current options (Life, Option A, Option B and Option C) still apply and may be elected with or without the partial lump sum feature.

## Member Contributions

Political subdivisions may participate in LAGERS under either a contributory or non-contributory plan. If the subdivision participates under the contributory plan, each member contributes 2, 4, or 6 percent of his gross salary, beginning after he has completed sufficient employment for six months of credited service. If a member leaves LAGERS covered employment before an allowance is payable upon his behalf, his accumulated contributions are refunded to him. If he dies prior to accruing five or more years of credited service, his accumulated contributions are refunded to his designated beneficiary(s) unless a duty-related death benefit is payable. If the subdivision participates under the non-contributory plan, the employing political subdivision pays the entire cost, while the members make no contributions.

Local governments participating in LAGERS are permitted, if the governing body elects, to grant refunds of members' contributions after two years of participation in the system under the non-contributory option. The cost of this option would be borne by the governmental unit.

## Employer Contributions

The statutes require each employer to contribute the remaining amounts above that contributed by their members to finance the benefits that political subdivision has promised their employees through their participation in LAGERS. These employer contributions are determined annually by the system's retained actuary and are based upon level-percent-of-payroll funding principles so that the contribution rates do not have to increase over decades of time. A chart showing the employer contribution rates for all LAGERS employers is included in the Actuarial Section of this report.



Rolla, Missouri  
LAGERS member since 1969



# | Section V: Statistical

# Statistical Summary

The objectives of the statistical section are to provide additional historical perspective, context, and relevant details to assist readers in using information in the financial statements, notes to the financial statements, and required supplementary information in order to understand and assess LAGERS overall financial condition.

The schedules beginning on the next page show financial trend information about the change in LAGERS' assets for the past 10 years. These schedules provide detailed information about the trends of key sources of asset additions and deductions, which assist in providing a context framing how LAGERS financial position has changed over time. The financial trend schedules presented are:

- Change in Fiduciary Net position
- Interest Credits to Reserve Accounts

The remaining schedules show demographic and economic information. This information is designed to assist in understanding the environment in which LAGERS operates. The demographic and economic information and the operating information presented include:

- Retired Member Data
- Benefit Expenses by Type
- Average Monthly Benefit Payments
- Participants by Classification
- Participating Political Subdivisions

All the information contained in the schedules included in this section was extracted from the database records of LAGERS and summarized in the formats shown. There were no estimates or assumptions used in compiling this data.

# Change in Fiduciary Net Position

Additions	2023	2022	2021	2020	2019
Member contributions	\$ 28,728,823	\$ 27,661,819	\$ 21,745,608	\$ 20,232,107	\$ 25,340,904
Employer contributions	294,401,267	280,828,302	250,377,626	223,365,800	226,206,112
Net investment income (loss)	363,258,298	7,830,304	2,243,570,984	105,550,056	509,733,460
Total additions	\$ 686,388,388	\$ 316,320,425	\$ 2,515,694,218	\$ 349,147,963	\$ 761,280,476
Deductions					
Benefits	\$ 455,448,261	\$ 414,234,360	\$ 382,192,110	\$ 356,183,304	\$ 331,493,296
Refunds	3,216,348	2,890,057	2,167,386	2,531,823	2,320,610
Administrative expenses	11,523,643	8,046,530	7,281,853	9,356,505	8,129,127
Annuities awarded		526,035			
Pension expense (gain)	(2,485,109)	(220,339)	(590,084)	(3,293,611)	(572,052)
OPEB expense (gain)	453,307	363,750	273,891	71,090	(161,199)
Total deductions	\$ 468,156,450	\$ 425,840,393	\$ 391,325,156	\$ 364,849,111	\$ 341,209,782
<b>Change in fiduciary net position</b>	<b>\$ 218,231,938</b>	<b>\$ (109,519,968)</b>	<b>\$ 2,124,369,062</b>	<b>\$ (15,701,148)</b>	<b>\$ 420,070,694</b>
Additions	2018	2017	2016	2015	2014
Member contributions	\$ 19,810,928	\$ 20,923,004	\$ 18,105,362	\$ 14,773,926	\$ 32,739,664
Employer contributions	204,018,370	199,940,705	183,363,684	190,555,456	188,500,719
Net investment income (loss)	860,249,908	754,483,948	(11,817,564)	124,483,520	999,426,063
Total additions	\$ 1,084,079,206	\$ 975,347,657	\$ 189,651,482	\$ 329,812,902	\$ 1,220,666,446
Deductions					
Benefits	\$ 307,740,098	\$ 282,567,670	\$ 262,032,383	\$ 250,978,528	\$ 229,637,836
Refunds	1,919,371	2,565,510	1,844,175	1,861,343	2,108,951
Administrative expenses	5,576,429	5,345,355	5,184,440	5,571,466	5,243,004
Annuities awarded	20,073				
Pension expense (gain)	157,006	(188,344)	(341,406)		
OPEB expense (gain)	(236,916)				
Total deductions	\$ 315,176,061	\$ 290,290,191	\$ 268,719,592	\$ 258,411,337	\$ 236,989,791
<b>Change in fiduciary net position</b>	<b>\$ 768,903,145</b>	<b>\$ 685,057,466</b>	<b>\$ (79,068,110)</b>	<b>\$ 71,401,565</b>	<b>\$ 983,676,655</b>



# Interest Credits to Reserve Accounts

A retirement system acquires and invests assets as the result of following the financial objective of level contribution rates. The Board of Trustees of LAGERS has the responsibility for seeing that the assets are invested effectively and within the limits imposed by law. The Board retains professional money managers to assist in the investment process and reviews their activities throughout the year.

The investment process continues to be volatile because of major disturbances in the economic environment.

Following is a table showing investment credits to the various reserves of the system for the last 5 years.

Rates of Investment Return Allocated Investment Credits as a Percent of Fund Balance					
Year Ended June 30	(A) Casualty Reserve	(B) Member Reserve	(C) Benefit Reserve	(D) Employer Reserve	Inflation Percent (CPI)
2023	7.00 %	2.0 %	3.6 %	3.6 %	3.0 %
2022	7.00	0.5	0.1	—	9.1
2021	7.00	0.5	27.6	28.9	5.4
2020	7.25	0.5	1.2	1.3	0.6
2019	7.25	0.5	6.6	6.8	1.6
5-Year Compound Average			7.4 %	7.6 %	3.9 %

- (A) Casualty Reserve assets are for the non-accrued service portion of disability benefits to future retired lives and service related deaths. The investment percent is the rate set for actuarial purposes.
- (B) Member Reserve assets are the contributions of non-retired members. The investment percent, set by the Board, affects amounts payable to members who request a refund. The percent does not affect the monthly benefit of a retiring member.
- (C) Benefit Reserve assets are for benefits to present retired lives. The investment credit is the remainder of net investment return after crediting the Casualty Reserve assets. This revised allocation of investment credits is intended to provide the resources for additional benefit increases after retirement. The investment credit to the Benefit Reserve is limited if the funded ratio of the reserve exceeds 125 percent. In addition, interest credits to the Employer Reserve are limited if the funded ratio of the Benefit Reserve is below 75 percent.
- (D) Employer Reserve assets are for benefits to future retired lives including the accrued service portion of disability benefits. The investment credit is the remainder of the net investment return after crediting the Casualty Reserve assets, followed by a further adjustment for the investment credit to the Member Reserve assets. The Employer Reserve is responsible for covering liability increases resulting from inflation losses.

# Retired Member Data

Amount of Monthly Benefit	Employee Classification				*Type of Retirement								Option Selected			
	General	Police	Fire	Public Safety	#40	#60	#71	#72	#73	#81	#82	#83	Life	Opt. A	Opt. B	Opt. C
DEFERRED	7,042	2,334	461	7	9,844											
\$ 1 - \$ 100	1,259	589	95			124	48	48	17	863	672	171	881	560	215	287
\$ 101 - \$ 200	2,157	604	61			128	33	57	22	1,453	884	245	1,363	743	268	448
\$ 201 - \$ 300	2,089	423	59			105	28	65	22	1,445	729	177	1,299	665	241	366
\$ 301 - \$ 400	1,751	371	65			79	20	52	38	1,277	556	165	1,090	579	223	295
\$ 401 - \$ 500	1,534	272	51	1		75	14	56	18	1,141	409	145	914	466	224	254
\$ 501 - \$ 600	1,324	279	44	2		57	20	36	27	1,025	355	129	800	408	218	223
\$ 601 - \$ 700	1,103	226	60			48	27	35	26	860	268	125	659	379	195	156
\$ 701 - \$ 800	1,004	186	40	2		42	13	40	21	815	225	76	600	329	157	146
\$ 801 - \$ 900	865	170	34	2		39	12	36	18	698	184	84	551	254	161	105
\$ 901 - \$1000	805	154	46	1		26	23	31	11	675	171	69	464	262	157	123
\$1001 - \$1100	724	134	39	1		23	31	34	11	580	148	71	381	238	161	118
\$1101 - \$1200	651	87	44			23	27	20	9	534	110	59	360	213	130	79
\$1201 - \$1300	597	89	43			11	20	28	5	508	103	54	334	177	134	84
\$1301 - \$1400	552	102	33			16	31	27	9	468	89	47	315	190	107	75
\$1401 - \$1500	471	86	33			22	27	18	2	417	65	39	246	162	108	74
\$1501 - \$1600	479	89	46			19	19	26	9	420	77	44	267	170	114	63
\$1601 - \$1700	400	83	48			11	32	16	3	391	55	23	230	137	106	58
\$1701 - \$1800	334	85	46			8	26	12	7	337	49	26	200	153	70	42
\$1801 - \$1900	338	78	41			11	16	19	2	340	45	24	200	133	82	42
\$1901 - \$2000	333	70	37			6	14	9	4	339	47	21	192	116	95	37
OVER - \$2000	3,791	1,083	740	1		56	328	80	10	4,620	366	155	2,601	1,382	1,265	367
<b>SUBTOTALS</b>	<b>29,603</b>	<b>7,594</b>	<b>2,166</b>	<b>17</b>	<b>9,844</b>	<b>929</b>	<b>809</b>	<b>745</b>	<b>291</b>	<b>19,206</b>	<b>5,607</b>	<b>1,949</b>	<b>13,947</b>	<b>7,716</b>	<b>4,431</b>	<b>3,442</b>
<b>TOTALS</b>	<b>39,380</b>				<b>39,380</b>								<b>29,536</b>			

\*See Summary of Plan Provisions for description of retirement and benefit options.

#40-Deferred Retirement

#60-Deceased & Monthly Benefit Payable

#71-Duty Disability Retirement

#72-Non-Duty Disability Retirement

#73-Survivor Payment-Disability Retirement

#81-Normal Retirement

#82-Early Retirement

#83-Survivor Payment-Normal Retirement

## Benefit Expenses by Type

Benefit Expenses by Type	2023	2022	2021	2020	2019
Normal Benefits	\$ 435,177,811	\$ 396,207,117	\$ 365,654,509	\$ 340,903,751	\$ 317,431,967
Survivor Benefits	20,270,450	18,027,243	16,537,601	15,279,553	14,061,329
<b>Total Benefits</b>	<b>\$ 455,448,261</b>	<b>\$ 414,234,360</b>	<b>\$ 382,192,110</b>	<b>\$ 356,183,304</b>	<b>\$ 331,493,296</b>
<b>Total Refunds</b>	<b>\$ 3,216,348</b>	<b>\$ 2,890,057</b>	<b>\$ 2,167,386</b>	<b>\$ 2,531,823</b>	<b>\$ 2,320,610</b>
Benefit Expenses by Type	2018	2017	2016	2015	2014
Normal Benefits	\$ 295,021,094	\$ 270,803,039	\$ 250,998,836	\$ 240,601,321	\$ 220,127,154
Survivor Benefits	12,719,004	11,764,631	11,033,547	10,377,207	9,510,682
<b>Total Benefits</b>	<b>\$ 307,740,098</b>	<b>\$ 282,567,670</b>	<b>\$ 262,032,383</b>	<b>\$ 250,978,528</b>	<b>\$ 229,637,836</b>
<b>Total Refunds</b>	<b>\$ 1,919,371</b>	<b>\$ 2,565,510</b>	<b>\$ 1,844,175</b>	<b>\$ 1,861,343</b>	<b>\$ 2,108,951</b>

# Average Monthly Benefit Payments

RETIREMENT EFFECTIVE DATES		YEARS OF CREDITED SERVICE BY CATEGORY					
For Fiscal Years Ended June 30:		5-10	11-15	16-20	21-25	26-30	31+
2023	Average Monthly Benefit	\$ 354	\$ 808	\$ 1,265	\$ 1,995	\$ 2,776	\$ 3,413
	Average Final Average Salary	4,214	4,192	4,718	5,708	6,402	6,395
	Number of Active Retirants	794	274	248	218	196	201
2022	Average Monthly Benefit	\$ 334	\$ 825	\$ 1,303	\$ 1,909	\$ 2,626	\$ 3,413
	Average Final Average Salary	4,099	4,294	4,853	5,460	5,915	6,146
	Number of Active Retirants	748	288	251	228	158	206
2021	Average Monthly Benefit	\$ 292	\$ 738	\$ 1,218	\$ 1,790	\$ 2,496	\$ 3,236
	Average Final Average Salary	3,913	4,004	4,634	4,990	5,725	6,289
	Number of Active Retirants	724	317	278	221	165	212
2020	Average Monthly Benefit	\$ 306	\$ 727	\$ 1,276	\$ 1,654	\$ 2,516	\$ 3,327
	Average Final Average Salary	3,765	3,899	4,714	4,671	5,622	6,171
	Number of Active Retirants	596	243	219	187	138	202
2019	Average Monthly Benefit	\$ 321	\$ 726	\$ 1,167	\$ 1,496	\$ 2,310	\$ 3,126
	Average Final Average Salary	3,746	3,972	4,313	4,349	5,601	5,657
	Number of Active Retirants	630	266	232	194	151	225
2018	Average Monthly Benefit	\$ 297	\$ 743	\$ 1,088	\$ 1,545	\$ 2,493	\$ 3,101
	Average Final Average Salary	3,699	3,948	3,969	4,452	5,593	5,657
	Number of Active Retirants	617	258	223	159	160	200
2017	Average Monthly Benefit	\$ 294	\$ 680	\$ 1,058	\$ 1,539	\$ 2,155	\$ 3,135
	Average Final Average Salary	3,619	3,756	4,100	4,719	5,093	5,784
	Number of Active Retirants	571	316	230	167	136	182
2016	Average Monthly Benefit	\$ 291	\$ 663	\$ 993	\$ 1,503	\$ 2,116	\$ 2,908
	Average Final Average Salary	3,569	3,740	3,934	4,598	4,960	5,453
	Number of Active Retirants	549	254	185	165	166	165
2015	Average Monthly Benefit	\$ 267	\$ 649	\$ 964	\$ 1,445	\$ 2,149	\$ 3,008
	Average Final Average Salary	3,312	3,563	3,818	4,260	5,074	5,604
	Number of Active Retirants	539	255	203	187	149	196
2014	Average Monthly Benefit	\$ 263	\$ 603	\$ 982	\$ 1,414	\$ 2,006	\$ 2,784
	Average Final Average Salary	3,216	3,348	3,838	4,170	4,829	5,348
	Number of Active Retirants	556	253	179	144	127	161
From July 1, 2013 through June 30, 2023							
	Average Monthly Benefit	\$ 302	\$ 716	\$ 1,131	\$ 1,629	\$ 2,364	\$ 3,145
	Average Final Average Salary	3,715	3,872	4,289	4,738	5,481	5,850
	Number of Active Retirants	6,324	2,724	2,248	1,870	1,546	1,950

# Participants by Classification

POLITICAL SUBDIVISIONS											
Year	Cities	Counties	Health Agencies	Special Districts	Water Districts	Road Districts	Fire Districts	Emergency Services	Libraries	Soil & Water Cons. Dist.	Total
2023	342	61	72	65	43	29	61	73	49	66	861
2022	332	61	71	65	42	28	58	69	49	63	838
2021	323	60	70	63	42	28	57	68	49	62	822
2020	315	60	70	61	42	28	55	66	48	61	806
2019	314	60	68	58	41	28	51	62	48	28	758
2018	309	60	68	57	40	27	49	58	47		715
2017	302	60	66	53	39	27	46	56	46		695
2016	299	60	66	50	39	27	43	53	45		682
2015	296	60	65	49	38	27	40	48	45		668
2014	295	60	65	48	38	27	39	47	44		663

EMPLOYEE MEMBERS											
Year	Cities	Counties	Health Agencies	Special Districts	Water Districts	Road Districts	Fire Districts	Emergency Services	Libraries	Soil & Water Cons. Dist.	Total
2023	19,465	9,128	1,560	2,389	240	81	1,158	1,205	1,089	138	36,453
2022	19,010	8,940	1,570	2,338	239	83	1,061	1,106	1,084	128	35,559
2021	19,236	8,896	1,618	2,352	247	87	1,039	1,098	1,095	131	35,799
2020	19,262	8,932	1,581	2,366	233	87	1,030	1,068	1,106	145	35,810
2019	19,063	8,711	1,637	2,293	216	79	946	1,027	1,089	69	35,130
2018	18,743	8,677	1,610	2,283	209	83	899	948	981		34,433
2017	18,544	8,546	1,621	2,303	210	84	820	910	961		33,999
2016	18,388	8,548	1,662	2,380	204	81	712	850	956		33,781
2015	18,289	8,311	1,726	2,321	204	84	684	777	914		33,310
2014	18,336	8,421	1,754	2,312	207	84	685	730	909		33,438

# Participating Political Subdivisions

Political Subdivision:	Employee Members	Benefit Program†	Rule of 80	Final Average Salary Period	Employ- ee Contri- bution	Non- Contrib- utory Refund	Membership Date
<b>Cities:</b>							
Advance	8	L-1	no	5	0	no	10-2005
Airport Drive	1	L-7	no	3	0	no	05-2000
Albany	18	L-7	yes	3	4	no	07-1989
Anderson	13	L-3	no	5	4	no	06-1990
Annapolis	2	L-7	no	3	4	no	07-2001
Arcadia	2	L-1	no	5	4	no	08-2015
Arnold	67	L-6	yes	3	0	no	01-1984
Ash Grove	8	L-7	no	3	0	no	04-1972
Ashland	21	L-7	no	5	4	no	06-1970
Aurora	52	L-12	no	3	0	yes	07-1972
Auxvasse	4	L-7	yes	5	0	no	01-1994
Ava	44	L-6	yes	3	0	no	09-1997
Ballwin	127	L-12	no	3	4	no	11-1969
Bates City	4	L-3	no	3	4	no	09-2020
Battlefield	16	L-1	no	3	0	no	08-2021
Belle	5	L-7	no	5	4	no	05-1987
Bellefontaine Neighbors	34	L-6	no	3	0	no	07-1968
Bellflower	1	L-6	no	3	4	no	08-1990
Bel-Ridge	5	L-1	no	5	4	no	02-2002
Belton	218	L-6	no	3	0	yes	02-1974
Berkeley	35	LT-10 (Age 65)	yes	3	0	no	07-1968
Bernie	14	L-3	no	3	0	no	08-1978
Bethany	25	L-6	no	5	4	no	01-1976
Beverly Hills	1	L-1	no	5	4	no	07-1991
Bevier	3	L-1	no	5	4	no	07-1999
Billings	8	L-1	no	5	4	no	01-2022
Blackburn	2	L-6	no	5	0	no	05-2023
Bland	2	L-1	yes	5	0	no	09-1994
Bloomfield	11	L-3	no	5	0	no	10-2001
Blue Springs	234	L-6	no	3	2	no	09-1973
Bolivar	77	L-6	no	3	2	no	02-1973
Boonville	64	L-12	no	3	0	yes	05-1971
Bourbon	10	L-3	no	3	0	no	01-2000
Bowling Green	16	L-6	no	3	0	yes	01-1979
Branson	228	L-6	yes	3	4	no	01-1978
Braymer	2	LT-8 (Age 62)	no	3	4	no	12-1970
Breckenridge Hills	18	L-6	no	3	4	no	05-2020
Brentwood	53	L-7	no	3	0	yes	04-1969
Bridgeton	65	L-7	no	5	4	no	03-2021
Brookfield	35	L-3	no	5	0	no	02-1989
Buckner	11	L-1	no	3	4	no	10-1987
Buffalo	17	L-6	yes	3	4	no	01-1974
Bull Creek	3	L-1	no	5	0	no	02-2022
Butler	46	LT-5 (Age 65)	yes	3	0	no	06-1993
Cabool	28	L-12	no	3	0	yes	10-1969
Camdenton	38	L-7	no	3	0	no	07-2008

† See Summary of Plan Provisions for benefit program description.

\*Charter Member



Political Subdivision:	Employee Members	Benefit Program†	Rule of 80	Final Average Salary Period	Employ- ee Contri- bution	Non- Contrib- utory Refund	Membership Date
Cameron	53	L-6	no	3	0	no	07-1968
Campbell	11	L-3	no	5	4	no	02-2005
Canton	13	L-7	no	3	0	yes	07-1979
Cape Girardeau	326	L-6	no	3	0	yes	02-1973
Carl Junction	25	L-6	no	5	4	no	06-1971
Carthage	50	L-6	no	3	0	no	07-1982
Caruthersville	39	L-3	no	5	0	yes	01-1979
Cassville	26	L-7	no	5	4	no	02-2010
Centralia	35	L-7	yes	5	0	yes	07-1972
Charleston	32	L-1	no	5	0	no	05-1980
Chillicothe	73	LT-14 (Age 65)	no	3	0	yes	05-1978
Clarksville	2	L-3	no	5	0	no	10-1974
Claycomo	19	L-12	no	5	0	no	04-2007
Cleveland	2	L-3	no	5	4	no	04-2007
Clever	9	L-1	yes	5	4	no	07-1998
Clinton	67	L-12	no	5	4	no	02-1972
Cole Camp	5	L-7	no	5	0	no	11-2022
Columbia	940	L-6	yes	3	0	yes	02-1969
Concordia	19	L-3	no	3	4	no	05-1978
Cool Valley	2	L-7	no	5	0	no	07-1972
Cottleville	23	L-6	yes	5	6	no	06-2010
Crestwood	78	L-7	no	3	0	yes	07-1968
Creve Coeur	75	LT-8 (Age 65)	no	5	4	no	08-2017
Crocker	4	L-1	no	5	0	no	09-1988
Crystal City	50	L-6	no	5	0	yes	04-1970
Cuba	40	L-6	yes	3	0	yes	04-1971
Dardenne Prairie	8	L-7	yes	3	0	no	11-2006
Dellwood	19	L-12	no	3	0	no	01-1975
De Soto	44	L-12	no	5	0	no	01-1983
Dexter	63	L-6	yes	3	0	no	08-1973
Dixon	12	L-7	no	5	4	no	12-2000
Doniphan	24	L-7	no	5	4	no	01-1993
Drexel	3	L-7	no	5	0	no	06-1998
Duquesne	8	L-7	yes	3	0	no	01-2023
Edgerton	2	L-1	no	5	2	no	04-2023
Edmundson	13	L-6	no	5	4	no	01-2012
El Dorado Springs	32	L-6	no	3	0	yes	07-1975
Eldon	39	L-1	no	5	4	no	05-2005
Ellington	7	L-1	no	5	4	no	07-2009
Ellisville	59	L-12	no	3	0	no	08-1971
Elsberry	5	L-3	yes	5	0	no	01-1998
Eminence	5	L-6	no	5	0	yes	09-1996
Eureka	68	L-6	yes	3	0	no	11-1973
Excelsior Springs	110	L-7	no	5	0	yes	12-1972
Fair Grove	8	L-1	no	3	4	no	09-2005
Farmington	140	LT-8 (Age 65)	yes	3	0	no	02-1969
Fayette	19	L-7	yes	5	0	yes	07-1970
Fenton	24	LT-8 (Age 65)	no	3	0	yes	01-1971
* Festus	94	L-6	no	5	0	yes	04-1968

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Political Subdivision:	Employee Members	Benefit Program†	Rule of 80	Final Average Salary Period	Employ- ee Contri- bution	Non- Contribu- tory Refund	Membership Date
Florissant	211	L-7	no	3	4	no	02-2021
Fordland	5	L-3	no	3	2	no	11-2021
Foristell	10	L-3	no	3	0	no	10-2003
Forsyth	14	L-6	no	5	4	no	07-1985
Fredericktown	46	LT-8 (Age 65)	yes	5	0	no	05-1968
Frontenac	52	LT-8 (Age 65)	no	3	0	yes	08-1972
Fulton	150	L-6	yes	5	4	no	08-1968
Gainesville	5	L-1	no	5	4	no	12-1984
Gallatin	10	L-1	no	3	4	no	01-2022
Garden City	6	L-1	no	5	4	no	04-1993
Gerald	8	L-1	no	3	4	no	04-2003
Gideon	5	L-3	yes	5	4	no	10-1970
Gladstone	156	L-6	no	5	0	no	09-1968
Glasgow	8	L-7	no	5	0	no	10-1974
Glendale	28	L-6	no	5	4	no	02-1971
Glendale (Legacy)							04-2021
Golden City	3	L-1	no	5	4	no	01-2012
Gower	5	L-7	no	5	0	no	01-2010
Grain Valley	57	L-6	no	5	0	no	01-1999
Granby	13	L-1	no	5	4	no	02-2014
Grandview	152	L-6	no	5	0	no	07-1971
Grant City	4	L-1	no	5	4	no	05-1999
Green City	3	L-1	no	5	0	yes	04-1988
Hale	2	L-7	yes	3	0	no	06-1998
Hannibal	63	LT-14 (Age 65)	yes	5	0	yes	11-1969
Hardin	5	L-1	no	3	4	no	02-1997
Harrisonville	118	L-6	no	3	0	no	08-1972
Hartville	5	L-7	no	3	4	no	07-2001
Hayti	18	L-3	no	5	4	no	01-1994
Henrietta	2	L-1	no	3	4	no	02-2009
Herculaneum	32	L-6	no	5	4	no	11-2013
Hermann	34	L-1	no	3	0	no	09-1980
Higginsville	74	LT-10 (Age 65)	yes	3	0	yes	08-1970
Highlandville	2	L-3	no	5	0	no	11-2022
Hillsboro	21	L-7	no	5	0	no	07-1980
Holden	9	L-9	no	5	0	no	04-1974
Hollister	43	L-6	yes	3	4	no	05-1998
Holts Summit	20	L-7	no	3	0	no	01-1998
Hopkins	2	L-1	no	3	4	no	02-2013
Houston	35	L-6	yes	3	0	yes	05-1971
Humansville	3	L-1	yes	5	4	no	06-2006
Huntsville	7	L-12	no	5	0	no	05-2001
Iberia	7	L-1	no	5	4	no	06-2022
Independence	959	L-6	no	3	4	no	11-1968
Indian Point	1	L-7	yes	5	4	no	11-2017
Ironton	11	L-1	no	5	0	no	10-2008
* Jackson	122	L-6	no	3	0	yes	04-1968
Jamesport	1	L-1	no	5	4	no	12-2016
Jefferson City	381	L-6	yes	3	0	yes	01-1970

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Political Subdivision:	Employee Members	Benefit Program†	Rule of 80	Final Average Salary Period	Employ- ee Contri- bution	Non- Contrib- utory Refund	Membership Date
Jefferson City (Legacy)							05-2017
Jennings	46	L-12	no	3	0	no	09-1968
Jennings (Legacy)							12-2017
Jonesburg	6	L-7	no	3	0	no	01-1997
Joplin	414	L-6	no	5	0	no	01-1973
Kearney	47	L-7	no	3	0	no	04-1992
Kennett	63	L-7	no	3	0	yes	07-1968
Kimberling City	13	LT-8 (Age 65)	no	3	0	no	03-1994
King City	3	L-1	no	5	4	no	03-2018
Kingdom City	4	L-1	no	5	0	no	04-2011
Kirksville	141	L-6	no	5	0	yes	01-1977
Knob Noster	15	LT-4 (Age 65)	yes	5	0	no	02-1999
La Grange	11	L-12	no	3	0	yes	02-1977
La Plata	13	L-7	no	5	0	yes	11-1972
Laddonia	1	L-1	yes	3	0	no	03-2021
Lake Lotawana	17	L-6	yes	5	0	no	08-2002
Lake Ozark	29	L-12	yes	3	2	no	05-2000
Lake Saint Louis	90	LT-8 (Age 65)	yes	3	0	yes	11-1985
Lake Winnebago	11	L-1	no	3	4	no	04-1999
Lamar	63	L-7	no	5	0	no	09-1998
Lathrop	10	L-3	no	5	0	no	07-1996
Lawson	16	L-3	no	5	0	no	08-2000
Lebanon	160	L-7	no	5	0	no	11-1984
Lee's Summit	659	L-6	no	5	0	yes	04-1970
Lexington	36	L-3	no	5	4	no	08-2013
Liberty	254	L-6	no	5	0	no	07-1970
Licking	13	L-12	no	3	0	no	01-1985
Lincoln	5	L-1	no	5	0	no	02-2012
Linn	6	L-7	yes	5	2	no	05-2003
Linn Creek	3	L-1	no	5	2	no	05-2023
Lockwood	4	L-9	no	3	0	no	04-1968
Lone Jack	15	L-3	yes	3	4	no	01-2018
Louisiana	16	L-7	no	5	0	no	07-1968
Macon	67	LT-8 (Age 65)	yes	3	0	no	06-1968
Madison	3	L-1	no	3	0	no	08-2022
Malden	49	L-6	no	5	4	no	07-1976
Manchester	78	L-7	no	3	4	no	07-2022
Mansfield	13	L-1	no	3	4	no	04-2003
Maplewood	73	L-6	no	3	4	no	04-1970
Maplewood (Legacy)							04-2022
Marceline	31	L-6	no	5	4	no	04-1981
Marionville	7	L-7	no	3	4	no	12-1988
Marshall	168	L-12	no	5	0	no	04-1971
Marshfield	40	L-6	no	5	4	no	01-1990
Maryland Heights	191	L-6	no	5	0	no	01-2004
Maryville	79	L-6	no	3	0	no	01-1973
Matthews	7	L-1	yes	5	0	no	08-2006
Memphis	20	L-6	yes	3	4	no	01-1972
Mercer	2	L-3	no	3	4	no	06-1988

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Merriam Woods	5	L-1	no	5	4	no	11-2006
* Mexico	68	L-6	yes	3	0	no	04-1968
Milan	18	L-1	no	3	0	yes	01-1987
Miner	17	L-6	yes	3	0	no	03-1995
Moberly	118	LT-8 (Age 65)	yes	3	0	yes	08-1968
Moline Acres	11	LT-5 (Age 65)	no	5	0	no	04-1974
Monett	113	L-6	yes	3	4	no	03-1978
Montgomery City	20	L-12	no	3	0	yes	03-1971
Moscow Mills	16	L-3	no	5	4	no	11-2018
Mound City	7	L-6	no	3	4	no	04-1971
Mount Vernon	28	L-7	yes	5	0	yes	09-1972
Mountain Grove	46	LT-8 (Age 65)	no	5	0	no	07-1987
Mountain View	37	L-7	no	5	0	yes	07-1989
Neosho	100	LT-8 (Age 65)	yes	3	0	yes	07-1971
Nevada	80	LT-8 (Age 65)	yes	5	0	no	11-1968
New Haven	12	L-6	no	3	4	no	01-2013
New London	5	L-3	no	5	4	no	01-2011
New Madrid	29	L-6	no	3	0	no	08-1968
Nixa	136	L-6	no	5	0	no	01-1990
Norborne	2	L-3	no	5	4	no	09-1969
Normandy	29	L-7	no	5	0	no	06-1969
North Kansas City	77	L-6	yes	3	0	no	11-1969
Northwoods	22	L-6	no	5	0	no	07-1972
Oak Grove	47	L-7	no	3	0	no	08-1969
Oak Grove Village	1	L-1	no	5	4	no	02-2012
Oakland	0	LT-8 (Age 65)	no	5	0	no	04-2004
Oakview	5	L-1	no	5	4	no	05-2009
Odessa	42	L-7	yes	3	0	yes	07-1975
O'Fallon	441	L-6	no	5	4	no	02-1975
Osceola	8	L-1	no	3	4	no	09-2001
Owensville	17	L-6	yes	5	0	no	05-1972
Ozark	114	L-6	no	3	0	yes	07-1990
Pacific	44	L-6	yes	5	0	yes	04-1987
Pagedale	27	L-6	no	5	0	no	03-1972
Palmyra	32	LT-14 (Age 65)	yes	3	0	no	04-1968
Paris	10	L-7	no	3	0	no	02-1969
Parkville	39	L-6	no	5	4	no	08-2009
Parkway	3	L-6	no	5	4	no	01-2014
Pattonsburg	3	L-1	no	5	4	no	06-1975
Peculiar	27	L-6	yes	3	0	yes	10-1986
Perry	7	L-6	no	3	4	no	01-1971
Perryville	86	L-6	no	3	0	yes	03-1969
Pevely	38	L-7	no	5	4	no	10-2015
Piedmont	17	LT-5 (Age 65)	yes	3	0	yes	08-1974
Pilot Knob	5	L-7	no	3	4	no	06-1992
Pine Lawn	4	L-1	no	5	0	no	07-1970
Pineville	8	L-1	no	5	4	no	09-2018
Platte City	32	L-7	no	5	4	no	05-1987
Platte Woods	3	L-6	no	5	0	no	02-2018

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Plattsburg	15	L-3	no	5	0	yes	02-1972
Pleasant Hill	38	L-6	yes	3	0	yes	05-1978
Pleasant Valley	16	L-1	no	5	4	no	02-2022
Poplar Bluff	225	L-6	no	5	0	yes	02-1971
Portageville	30	L-3	no	5	0	no	09-1996
Potosi	31	L-12	no	3	0	yes	04-1973
Princeton	6	L-6	no	5	4	no	01-1973
Purdy	6	L-1	no	5	0	no	02-2017
Puxico	4	L-7	no	5	4	no	07-2007
Ravenwood	0	L-1	no	3	4	no	11-2000
Raymore	101	L-6	no	3	0	no	01-1990
Raytown	95	L-12	no	5	4	no	07-2003
Republic	147	L-3	no	3	0	no	03-2009
Richland	12	L-3	no	5	0	yes	07-1988
Richmond	44	L-3	no	3	0	no	12-1990
Richmond Heights	41	L-6	no	3	4	no	05-1968
Riverside	72	L-6	no	5	0	no	01-1997
Riverview	11	L-7	no	5	4	no	08-1989
Rock Hill	30	L-3	no	5	0	no	04-1968
Rock Hill (Legacy)							02-2022
Rogersville	23	L-1	no	3	4	no	07-2017
Rolla	186	LT-14 (Age 65)	yes	3	0	yes	01-1969
Russellville	1	L-7	no	3	0	no	05-1999
Salem	49	L-6	yes	3	4	no	12-1984
Salisbury	16	L-6	yes	5	4	no	07-2016
Savannah	23	L-12	no	5	0	yes	07-1976
Scott City	31	L-7	no	5	4	no	01-1993
Sedalia	213	L-6	no	3	0	yes	08-1972
Sedalia (Legacy)							06-2019
Seneca	12	L-3	no	3	0	no	05-1975
Seymour	28	L-9	no	3	0	no	04-1996
Shelbina	20	L-6	yes	3	4	no	11-1969
Shelbyville	3	L-1	no	5	4	no	12-2006
Sheldon	2	LT-4 (Age 65)	yes	3	4	no	01-2008
* Shrewsbury	56	LT-8 (Age 65)	no	3	0	yes	04-1968
* Sikeston	115	LT-8 (Age 65)	no	3	0	yes	04-1968
Slater	12	L-7	no	5	0	no	02-1969
Smithton	1	L-1	no	5	4	no	07-2017
Smithville	59	L-7	no	3	2	no	01-2004
Sparta	8	L-7	no	3	0	no	07-2007
Springfield	1,641	L-6	no	3	0	no	06-1968
St. Ann	98	L-6	yes	3	4	no	06-1968
* St. Charles	437	LT-8 (Age 65)	yes	3	0	yes	04-1968
St. Clair	30	L-6	no	5	0	yes	05-1980
St. James	39	L-6	no	3	4	no	06-1974
St. John	42	L-7	no	5	0	yes	03-1970
St. Joseph	582	L-6	no	3	4	no	04-1970
St. Mary	1	L-1	no	5	4	no	11-2007
St. Peters	406	L-6	yes	3	4	no	01-1976

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St. Robert	91	L-7	no	3	4	no	04-1983
Stanberry	9	L-6	yes	5	4	no	01-2015
Ste. Genevieve	17	LT-8 (Age 65)	no	5	4	no	10-1984
Steelville	17	L-7	no	3	0	no	03-1997
Stockton	7	L-1	no	5	4	no	10-1988
Strafford	14	L-7	no	3	0	no	02-2009
Sugar Creek	54	L-12	no	3	0	yes	05-1968
Sullivan	57	L-6	yes	3	0	yes	03-1972
Sunrise Beach	8	L-3	no	3	0	no	06-2005
Sunset Hills	68	L-7	no	3	0	yes	10-1972
Sweet Springs	7	L-3	yes	5	0	yes	04-1973
Thayer	16	L-1	no	5	4	no	01-1997
Tipton	8	L-7	yes	3	4	no	04-1981
Town And Country	47	LT-14 (Age 65)	no	3	0	no	02-2007
Trenton	34	L-6	no	5	0	yes	05-1979
Troy	53	L-3	no	5	0	no	08-2008
Truesdale	6	L-1	no	3	4	no	10-2020
Twin Oaks	4	L-7	no	3	4	no	01-2007
Union	65	L-6	no	3	0	yes	01-1974
Unionville	13	L-6	yes	5	4	no	10-1982
Valley Park	21	L-6	no	5	4	no	11-1972
Van Buren	9	L-1	no	5	0	no	01-2003
Vandalia	18	L-7	no	5	0	no	05-1988
Verona	1	L-1	no	5	4	no	01-2013
Vienna	6	L-1	no	5	0	no	09-2002
Viburnum	3	L-1	no	5	4	no	05-2023
Vinita Park	52	L-6	no	3	0	no	08-1971
Walnut Grove	7	L-7	no	3	4	no	05-2021
Warrensburg	104	L-7	no	5	0	yes	07-1968
Warrenton	58	L-1	no	5	4	no	08-2015
Warsaw	18	L-7	no	5	0	no	05-1999
Washington	117	LT-10 (Age 65)	yes	3	0	no	01-1971
Waverly	4	L-3	no	5	4	no	10-1986
Waynesville	52	L-6	no	3	0	yes	09-1985
Webb City	98	L-12	no	3	0	no	03-1975
Webster Groves	126	L-12	no	5	4	no	07-2013
Weldon Spring	6	L-7	no	5	4	no	08-2020
Wellston	1	L-1	no	5	0	no	07-1971
Wellsville	0	L-3	no	3	4	no	06-2023
Wentzville	274	L-6	no	5	4	no	02-1973
West Plains	168	L-6	yes	3	0	no	02-1973
Weston	8	L-3	no	3	4	no	07-1997
Willard	34	L-7	no	5	4	no	04-2004
Willow Springs	35	L-7	no	5	0	no	06-1993
Winchester	3	LT-5 (Age 62)	no	5	0	no	10-1982
Windsor	8	L-9	no	3	4	no	08-1973
Winfield	8	L-1	no	5	4	no	05-2003
Winona	6	L-1	no	3	4	no	11-2013
Wood Heights	1	L-3	no	3	4	no	01-1999

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Woodson Terrace	28	L-7	no	5	0	yes	12-1969
Wright City	22	L-12	no	5	6	no	02-2014
<b>Counties:</b>							
Adair County	68	L-6	no	5	0	yes	03-1977
Andrew County	68	L-6	no	3	0	no	03-1976
Atchison County	45	L-6	no	3	0	no	01-1974
Audrain County	85	L-12	no	3	0	no	04-1968
Buchanan County	216	L-6	no	5	0	yes	06-1971
Butler County	117	L-6	yes	3	0	yes	04-1968
Caldwell County	77	L-1	no	5	4	no	01-1984
Callaway County	151	L-7	no	5	0	yes	01-1977
Camden County	279	L-6	yes	5	0	yes	02-1969
Cape Girardeau County	225	L-6	no	3	0	yes	01-1985
Cass County	265	L-3	no	3	0	yes	01-1991
Chariton County	26	L-12	no	3	4	no	01-1988
Christian County	212	L-9	no	3	0	yes	03-1989
Clark County	37	L-1	no	5	4	no	01-1980
Clay County	469	L-6	no	3	0	yes	11-1975
Clinton County	55	L-3	no	5	4	no	01-1986
* Cole County	300	L-7	no	5	0	yes	04-1968
Dekalb County	40	L-3	no	3	0	no	12-1983
Dunklin County	79	L-7	no	3	4	no	01-1969
Franklin County	304	L-6	yes	3	0	yes	01-1970
Gasconade County	40	L-7	no	5	0	yes	01-1974
Greene County	1,015	L-7	no	3	0	yes	01-1972
Holt County	35	L-3	no	3	4	no	01-1974
Howard County	40	L-7	no	5	0	no	06-1976
Howell County	112	L-6	yes	3	0	yes	01-1974
Iron County	37	L-7	no	5	4	no	01-1970
Jasper County	262	L-6	no	3	0	yes	01-1983
Jefferson County	585	L-12	no	3	0	yes	03-1969
Lafayette County	97	L-6	no	3	4	no	01-1970
Lawrence County	93	L-7	no	3	4	no	01-1973
Lewis County	32	LT-8 (Age 65)	no	3	0	yes	11-1974
Livingston County	41	L-3	no	3	0	yes	12-1988
Macon County	57	L-3	no	5	4	no	01-1990
Marion County	101	L-6	no	3	0	yes	02-1972
Miller County	105	L-6	no	5	4	no	01-1976
Mississippi County	38	L-6	no	5	4	no	02-1973
Monroe County	40	L-7	no	3	0	no	02-1980
Montgomery County	67	LT-8 (Age 65)	no	3	4	no	02-1973
* New Madrid County	66	L-6	yes	5	0	yes	04-1968
Nodaway County	50	L-7	no	5	4	no	07-1973
* Pemiscot County	84	L-7	no	3	0	yes	04-1968
Perry County	89	L-12	no	3	0	yes	05-1968
Pettis County	157	L-12	yes	3	0	no	10-1971
Phelps County	152	L-6	yes	3	4	no	01-1969
Pike County	59	L-6	yes	3	4	no	12-1971

† See Summary of Plan Provisions for benefit program description.

\*Charter Member

Political Subdivision:	Employee Members	Benefit Program†	Rule of 80	Final Average Salary Period	Employee Contribution	Non-Contributory Refund	Membership Date
Platte County	252	L-12	no	3	0	no	01-1974
Ralls County	50	L-7	no	5	0	yes	01-1973
Randolph County	77	L-9	no	3	4	no	04-1969
Ray County	71	L-7	no	3	0	no	04-1969
Scott County	88	L-7	no	3	0	yes	05-1969
Shannon County	33	L-7	no	5	4	no	02-1978
St. Charles County	944	LT-8 (Age 65)	no	3	0	yes	08-1973
St. Clair County	68	L-3	no	5	4	no	07-1979
St. Francois County	181	L-6	no	3	4	no	10-1969
Ste. Genevieve County	129	L-6	no	3	4	no	05-1970
Stoddard County	71	L-7	no	5	0	no	01-1969
Taney County	279	L-6	yes	5	0	yes	08-1985
Texas County	58	L-6	yes	3	0	yes	09-1975
Vernon County	75	L-7	no	3	0	yes	01-1969
Webster County	108	L-7	no	3	6	no	10-2021
Wright County	72	L-12	yes	3	0	no	12-1981

## Health Agencies:

Adair County Health Dept.	12	L-1	no	5	4	no	07-1981
Andrew County Health Dept.	8	L-3	no	3	4	no	01-2011
Audrain County Health Dept.	12	L-1	no	5	0	no	01-2013
Bates County Health Center	7	L-6	no	5	0	no	08-1992
Benton County Health Dept.	42	L-1	no	3	0	no	01-2018
Butler County Health Dept.	22	L-6	yes	5	0	yes	08-1968
Caldwell County Health Dept.	6	LT-8 (Age 65)	yes	5	4	no	01-1984
Cape Girardeau County Health Dept.	29	L-7	no	3	0	yes	01-1985
Carter County Health Center	7	L-3	no	5	0	no	06-1978
Chariton County Health Dept.	4	L-3	yes	5	4	no	05-2006
Clark County Health Dept.	15	L-6	no	3	0	yes	01-1981
Clay County Health Dept.	53	L-9	no	3	0	yes	11-1975
Clinton County Health Dept.	7	L-3	no	5	4	no	01-1986
Cooper County Health Center	6	L-1	no	5	4	no	01-2013
Dallas County Health Dept.	8	L-1	no	5	4	no	01-1991
Daviess County Health Dept.	7	L-7	no	3	4	no	07-2003
Dent County Health Center	12	L-3	no	3	4	no	02-1991
Douglas County Health Dept.	10	L-7	no	3	4	no	06-2010
Dunklin County Health Dept.	15	LT-10 (Age 65)	no	3	4	no	02-1969
Gasconade County Health Dept.	6	L-3	no	5	0	yes	04-1981
Grundy Co Nursing Home District	75	L-1	no	5	0	no	07-2005
Henry County Health Dept.	11	L-1	yes	3	0	no	01-2009
Hickory County Health Dept	8	L-1	no	5	4	no	07-2022
Iron County Health Dept.	7	L-3	yes	5	4	no	03-1973
Jefferson County Health Dept.	69	L-7	yes	3	0	no	10-1987
Laclede County Health Center	14	L-12	no	5	4	no	08-1991
Lafayette County Health Dept.	12	L-6	no	3	0	no	01-1982
Lewis County Health Dept.	12	L-12	no	3	0	yes	05-1974
Lincoln County Health Dept.	17	L-7	no	3	4	no	01-2002
Linn County Health Dept.	6	L-7	no	3	4	no	05-1993
Livingston County Health Dept.	7	L-7	yes	3	4	no	12-1988

† See Summary of Plan Provisions for benefit program description.

\*Charter Member

Political Subdivision:	Employee Members	Benefit Program†	Rule of 80	Final Average Salary Period	Employ- ee Contri- bution	Non- Contrib- utory Refund	Membership Date
Macon County Health Dept.	10	L-7	yes	5	0	no	08-1974
Madison County Health Dept.	12	L-1	no	5	4	no	03-1998
Madison Medical Center	165	L-1	yes	5	0	no	10-1972
Marion County Health Dept.	7	L-9	no	3	4	no	02-1972
Miller County Health Dept.	13	L-3	yes	5	0	no	01-1976
Mississippi County Health Dept.	12	L-12	yes	3	0	yes	07-1977
Moniteau County Health Center	8	L-7	no	5	0	no	11-1990
Monroe County Health Dept.	4	L-7	no	5	0	no	04-1981
Montgomery County Health Dept.	9	LT-8 (Age 65)	no	3	4	no	02-1973
Nevada City Hospital	260	L-1	no	5	0	yes	09-1970
Nevada City Nursing Home	50	L-3	no	5	0	yes	10-1978
New Madrid County Health Dept.	10	L-6	yes	5	0	yes	06-1968
Nodaway County Health	6	L-1	no	3	4	no	03-2018
Pemiscot County Health Dept.	7	L-7	yes	3	0	yes	10-1968
Pemiscot County Memorial Hospital	170	L-7	yes	3	0	no	02-1981
Pettis County Health Center	21	L-9	no	3	4	no	01-1987
Pike County Health Dept.	25	L-11	yes	3	4	no	12-1971
Platte County Health Dept.	28	L-7	no	3	0	no	01-1974
Polk County Health Center	12	L-1	no	3	4	no	02-1991
Pulaski County Health Dept.	11	L-6	yes	3	4	no	01-1979
Putnam County Health Dept.	5	L-7	yes	3	0	no	03-1995
Ralls County Health Dept.	7	L-12	no	3	0	yes	04-1973
Randolph County Health Dept.	14	L-7	no	5	4	no	04-1981
Ray County Public Health Dept.	7	L-6	yes	3	4	no	01-1988
Saline County Health Dept.	13	L-1	no	3	4	no	03-2005
Schuyler County Health Dept.	3	L-1	no	5	2	no	09-2021
Scotland County Health Dept.	6	L-3	no	3	0	no	06-2020
Scott County Health Dept.	15	L-7	yes	3	0	yes	10-1970
Shannon County Health Center	7	L-7	no	5	4	no	07-1982
St. Clair County Health Dept.	2	L-3	no	5	0	no	01-1981
St. Francois County Health Dept.	20	L-7	yes	3	4	no	01-1983
Ste. Genevieve County Health Dept.	9	L-7	no	3	4	no	09-1982
Stoddard County Public Health Center	13	L-7	yes	3	0	no	07-1989
Stone County Health Dept.	13	L-3	no	5	4	no	06-2016
Sullivan County Memorial Hospital	3	L-1	no	5	4	no	01-2013
Sullivan County Health Dept.	7	LT-8 (Age 65)	no	3	0	no	04-1995
Texas County Health Dept.	8	L-12	no	5	0	yes	07-1987
Vernon County Health Dept.	9	L-6	yes	3	0	yes	05-1987
Washington County Health Dept.	11	L-7	no	3	0	no	01-1991
Wayne County Health Center	4	L-12	yes	3	0	no	05-1996
Webster County Health Unit	18	L-7	no	3	4	no	07-1999

## Special Districts:

Abilities First Greene Co. SB 40	122	L-6	no	3	0	no	01-2001
Adair Co. SB 40 Developmental Disability Board	18	L-7	no	5	0	no	10-2010
Andrew Co. SB 40 (Sunshine Factory)	2	L-1	no	3	0	no	09-2017
Audrain Developmental Disability Services	60	L-12	no	5	0	no	04-1996
Boone Co. Family Resources	110	L-6	no	3	4	no	07-2004
Boonslick Regional Planning Commission	10	L-3	yes	5	4	no	07-2006

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\*Charter Member

Political Subdivision:	Employee Members	Benefit Program†	Rule of 80	Final Average Salary Period	Employ- ee Contri- bution	Non- Contrib- utory Refund	Membership Date
Bootheel Regional Planning Commission	5	LT-4 (Age 65)	yes	5	4	no	01-2005
Callaway Co. Special Services	9	L-6	yes	3	0	no	07-1996
Camden Co. SB 40	14	L-1	no	3	0	no	01-2008
Carthage Utilities	84	L-6	no	3	0	no	07-1982
Chariton Co. Sheltered Workshop	1	L-1	no	5	4	no	02-2000
Chillicothe Township	3	L-7	no	3	4	no	08-1995
Chillicothe Utilities	45	LT-14 (Age 65)	no	3	0	yes	05-1978
Christian Co. Bd. For The Developmental Disabled	22	L-6	no	3	0	no	02-2013
Clay Co. Childrens Service Fund	2	L-7	no	3	0	no	02-2020
Clay Co. Senior Services	4	L-3	no	3	0	no	07-2020
Daviess/Dekalb Co. Regional Jail	32	L-7	no	3	4	no	11-2007
Developmental Disability Resource Board of Jasper Co.	44	L-7	no	3	0	no	01-2001
Duckett Creek Sanitary Dist	42	L-7	no	3	4	no	07-2019
Franklin Co. Community Resource Board	3	L-7	yes	3	0	no	11-2020
Gasconade Co. SB 40	1	L-12	no	5	0	no	07-2001
Green Hills Regional Planning Commission	7	L-7	no	3	4	no	02-2011
Hannibal Public Works	68	LT-14 (Age 65)	yes	5	0	yes	11-1969
Harry S. Truman Coordinating Council	3	L-12	no	3	4	no	07-2005
Howell Co. Sheltered Workshop	7	L-6	no	3	0	no	08-2013
Independence Township	3	L-1	no	3	0	no	07-2006
Jackson Co. Community Childrens Services Fund	4	L-6	no	3	4	no	05-2020
Jefferson Co. Public Sewer Dist.	7	L-3	no	5	4	no	02-2015
Kaysinger Basin Regional Planning Commission	6	L-1	yes	5	0	no	01-2012
Kennett Utilities	59	L-7	yes	3	0	yes	07-1968
Lawrence Co. Board For Developmental Disabled	8	L-7	no	3	0	no	01-2017
Liberty Township	12	L-6	yes	3	0	no	06-1995
Madison Co. Council For Developmental Disabled	9	L-6	no	5	0	no	04-1998
Mark Twain Regional Council of Governments	5	L-7	no	5	4	no	04-2017
Mid-Missouri Regional Planning Commission	4	L-7	no	5	4	no	09-2007
Missouri Joint Municipal Electric Utility Comm.	40	L-6	no	3	0	no	01-1990
Mokan Regional Council	7	L-7	no	5	4	no	09-2017
Moniteau Co. SB 40 Board	17	L-7	no	5	0	no	02-2009
Montgomery Co. SB 40	19	L-7	no	5	0	no	08-2001
New Madrid Co. Port Authority	1	L-1	yes	5	0	no	02-2022
Northeast Missouri Regional Planning	6	L-1	no	5	4	no	10-2004
Ozark Foothills Regional Planning Commission	16	L-7	no	5	4	no	10-2021
Ozark Transportation Organization	5	L-6	no	5	0	no	01-2019
Pemiscot Co. Port Authority	2	L-1	no	5	4	no	08-2017
Pike Co. SB 40	42	LT-14 (Age 65)	yes	3	0	no	10-1998
Pike Creek Common Sewer Dist.	4	L-1	no	3	0	no	08-2009
Platte Co. Regional Sewer Dist.	6	L-7	no	5	6	no	05-2012
Progressive Community Services	36	L-12	no	3	0	no	04-2000
Pulaski Co. Sewer Dist. # 1	15	L-6	yes	5	0	no	03-2016
Randolph Co. Developmental Disabled Services	15	L-7	no	5	0	no	01-2018
Rock Creek Public Sewer	12	L-6	yes	3	0	no	03-2000
Rolla Municipal Utilities	58	L-6	no	3	0	yes	01-1969
Salisbury Township	3	L-1	no	3	4	no	04-1989
Sedalia Water Department	14	L-6	no	3	0	yes	08-1972
Sikeston Utilities	129	L-6	no	3	0	yes	04-1968

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\*Charter Member

Political Subdivision:	Employee Members	Benefit Program†	Rule of 80	Final Average Salary Period	Employee Contribution	Non-Contributory Refund	Membership Date
South Central Ozark Council Of Governments	8	L-6	no	3	4	no	11-2005
Southeast Missouri Regional Planning	7	L-7	no	5	0	no	01-2005
Springfield Utilities	885	L-6	no	3	0	yes	06-1968
St. Charles Co. Development Handicapped	57	L-7	no	3	0	no	03-1996
St. Francois Co. Joint Communications Center	28	L-6	yes	3	4	no	06-2007
St. Francois Co. Bd. For Developmentally Disabled	38	L-3	no	5	4	no	07-2005
St. Louis MR Developmentally Disabled Resources	32	L-7	no	5	0	no	05-1996
Taney Co. Regional Sewer Dist.	13	L-6	yes	3	0	no	02-2012
Trenton Municipal Utilities	29	L-6	no	5	0	yes	05-1979
Webster Co. SB 40	10	L-6	no	3	0	no	04-2017

Water District Name:	Employee Members	Benefit Program†	Rule of 80	Final Average Salary Period	Employee Contribution	Non-Contributory Refund	Membership Date
Adair County PWSD No. 1	7	L-3	no	3	0	yes	01-1992
Audrain County PWSD No. 2	3	L-7	yes	3	0	no	01-2008
Boone County PWSD No. 4	8	L-7	no	3	0	no	08-1984
Boone County PWSD No. 10	3	L-12	no	5	4	no	01-1998
Butler County PWSD No. 1	10	L-6	no	3	4	no	07-1995
Butler County PWSD No. 3	2	L-7	yes	3	4	no	03-1995
Callaway 2 Water Dist.	10	L-6	yes	3	0	yes	02-1985
Callaway County PWSD No. 1	7	L-11	no	3	0	no	01-1994
Camden County PWSD No. 4	8	L-1	no	3	0	no	01-2007
Carroll County PWSD No. 1	0	L-1	no	3	4	no	06-2008
Clarence Cannon Wholesale Water Commission	5	L-12	no	3	0	no	10-2004
Clark County PWSD No. 1	6	L-3	no	3	0	no	07-2000
Clay County PWSD No. 2	5	L-3	no	3	4	no	12-1984
Cole County PWSD No. 2	6	L-6	no	5	0	no	02-1974
Cole County PWSD No. 4	4	L-7	no	5	0	no	02-2001
Daviess County PWSD No. 1	3	L-3	no	5	0	no	06-2000
Greene County PWSD No. 5	2	L-6	no	3	4	no	08-1991
Harrison County PWSD No. 2	4	LT-10 (Age 65)	no	3	0	no	08-1998
Jackson County PWSD No. 1	17	L-6	no	3	0	yes	03-1969
Jasper County PWSD No. 1	6	L-3	no	5	4	no	01-2002
Jefferson County PWSD No. 3	12	L-7	no	3	4	no	01-2020
Jefferson County PWSD No. 6	6	L-12	yes	3	4	no	08-1997
Jefferson County PWSD No. 12	5	L-1	no	5	0	no	06-2000
Jefferson County PWSD No. 1	12	L-6	no	5	4	no	04-1972
Jefferson County PWSD No. 2	16	L-6	no	5	4	no	01-1983
Jefferson County PWSD No. 5	5	L-7	no	3	0	no	01-1987
Jefferson County PWSD No. 7	5	L-12	no	3	0	yes	06-1975
Jefferson County PWSD No. 10	5	L-3	no	5	4	no	02-1989
Laclede County PWSD No. 3	8	L-1	yes	5	4	no	03-2016
Lewis County PWSD No. 1	2	L-9	no	5	4	no	09-1997
Linn-Livingston PWSD No. 3	3	L-3	no	3	4	no	08-1999
Livingston County PWSD No. 2	2	L-3	no	5	0	no	09-2007
Livingston County PWSD No. 3	3	L-7	no	3	0	no	05-1991
Macon County PWSD No. 1	7	LT-8 (Age 65)	yes	5	0	no	11-1990
Madison County PWSD No. 1	2	L-7	no	3	0	no	07-2002
Monroe County PWSD No. 2	4	L-3	no	5	0	no	02-2008
North Central Missouri Regional Water Commission	3	L-3	no	3	0	no	06-2007

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\*Charter Member

Political Subdivision:	Employee Members	Benefit Program†	Rule of 80	Final Average Salary Period	Employee Contribution	Non-Contributory Refund	Membership Date
Platte County PWSD No. 4	5	L-6	no	5	0	no	07-2003
Putnam County PWSD No. 1	6	L-6	no	3	4	no	02-2001
Southwest Rural Water Supply Dist. No. 1	3	L-6	no	3	4	no	03-2019
Stoddard County PWSD No. 1	2	L-6	yes	5	4	no	07-2009
Sullivan County PWSD No. 1	5	L-1	no	5	6	no	04-2023
Wayne & Butler County PWSD No. 4	3	L-7	yes	5	4	no	05-2009

## Road Districts:

Audrain County Special Road Dist. No. 13	1	L-7	no	5	4	no	01-2013
Cameron Special Road Dist.	2	L-12	yes	5	0	no	11-2000
Cape Special Road Dist.	7	L-6	no	5	0	yes	09-1981
Carl Junction Special Road Dist.	1	L-1	no	5	4	no	04-2001
Carthage Special Road Dist.	7	L-12	no	3	4	no	05-2000
Eldorado Springs Spec Road Dist.	2	L-1	no	5	0	no	04-1982
Farley Special Road Dist.	0	L-3	yes	3	0	no	07-1999
Festus Special Road Dist.	4	L-6	no	3	0	yes	02-1969
Grand River Township	2	L-7	yes	5	0	no	08-2022
Higginsville Special Road Dist.	1	L-7	no	3	0	no	05-1970
Horseshoe Bend Spec Rd Dist. No. 1	8	L-1	no	5	4	no	05-2008
Hudson Township Special Road Dist.	2	LT-10 (Age 65)	yes	5	0	no	04-1990
La Plata Township Special Road Dist.	1	L-1	no	5	4	no	10-1991
Lexington Special Road Dist.	1	L-1	no	5	4	no	06-2000
Marshall Special Road Dist.	2	L-7	no	3	4	no	09-1998
Moberly Special Road Dist.	4	L-3	no	5	4	no	01-2001
Monett Special Road Dist.	2	L-7	no	3	4	no	05-2014
Neosho Special Road Dist.	5	LT-10 (Age 65)	no	3	0	no	04-1997
Odessa Special Road Dist.	6	L-7	no	3	0	no	09-1999
Osceola Special Road Dist.	0	L-1	no	5	4	no	03-2002
Parkville Special Road Dist.	9	L-7	no	3	0	no	06-2019
Platte City Special Road Dist.	3	L-6	no	5	0	no	01-1998
Plattsburg Special Road Dist.	1	L-3	no	3	4	no	02-1991
Richmond Special Road Dist.	2	L-9	no	5	4	no	03-2001
Slater Special Road Dist.	1	L-7	yes	3	0	no	11-2006
Ste. Genevieve Special Road Dist. A	3	L-3	no	3	4	no	07-1990
Union Special Road Dist.	1	L-7	no	5	4	no	09-1978
Washington Special Road Dist.	0	L-3	yes	3	0	no	05-1974
Weston Special Road Dist.	3	L-3	no	5	4	no	07-1997

## Fire Districts:

Antonia Fire Protection Dist. (Legacy)							01-2019
Antonia Fire Protection Dist.	21	L-6	no	3	0	no	07-2012
Battlefield Fire Protection Dist.	41	L-7	no	5	4	no	01-2013
Boles Fire Protection Dist.	23	L-7	no	3	4	no	05-2018
Boone Co. Fire Protection Dist.	23	L-6	no	5	0	no	02-2012
Brookline Fire Protection Dist.	11	L-7	no	5	4	no	01-2022
Butler Co. Fire Protection Dist.	6	LT-8 (Age 65)	no	3	4	no	11-1994
Carl Junction Fire Protection Dist.	10	L-6	no	5	0	no	08-2022
Central Cass County Fire Protection Dist.	14	L-6	yes	3	6	no	08-2022
Central Crossing Fire Protection Dist.	9	L-6	no	5	4	no	01-2014

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\*Charter Member



Political Subdivision:	Employee Members	Benefit Program†	Rule of 80	Final Average Salary Period	Employ- ee Contri- bution	Non- Contribu- tory Refund	Membership Date
Central Jackson Co. Fire Dist. No. 5	150	L-6	no	3	0	yes	09-1973
Desoto Rural Fire Protection Dist.	15	L-12	no	3	0	no	04-2014
Ebenezer Fire Protection Dist.	10	L-6	no	5	4	no	01-2013
Fair Grove Fire Protection Dist.	8	L-6	no	3	4	no	06-2016
Fort Osage Fire Protection Dist.	26	L-11	no	3	0	yes	04-1983
Goldman Fire Protection Dist.	7	L-3	no	5	0	no	01-2012
Gravois Fire Protection Dist.	20	L-3	yes	5	4	no	11-2017
Hematite Fire Protection Dist.	3	L-1	no	3	0	no	04-2017
High Ridge Fire Protection Dist.	37	L-12	no	5	2	no	10-2022
Hillsboro Fire Protection Dist.	12	L-7	yes	5	0	no	02-2011
Holt Community Fire Protection Dist.	6	L-7	yes	5	4	no	01-2019
Jefferson R-7 Fire Protection Dist.	10	L-6	no	3	4	no	07-2019
Johnson Co. Fire Protection Dist.	3	LT-8 (Age 65)	yes	3	0	no	01-2015
Johnson Co. Fire Protection Dist. No. 2	6	L-7	yes	5	0	no	05-2006
Kearney Fire & Rescue Protection Dist.	27	L-6	yes	3	4	no	01-1997
Lake Ozark Fire Protection Dist.	39	L-6	no	5	0	no	10-2016
Lawson Fire & Rescue Protection Dist.	13	L-7	no	5	4	no	05-2008
Little Dixie Fire Protection Dist.	2	L-1	yes	3	0	no	01-2003
Logan-Rogersville Fire Protection Dist.	25	L-3	no	3	4	no	06-2016
Lotawana Fire Protection Dist.	0	L-3	yes	3	0	no	01-2009
Marshfield Fire Protection Dist.	5	L-6	no	5	4	no	11-2020
Mid-Co. Fire Protection Dist.	17	L-6	no	5	2	no	05-2010
New Melle Fire Protection Dist.	13	L-6	no	3	0	no	01-2020
Nixa Fire Protection Dist.	33	L-12	no	3	0	no	01-2005
Odessa Fire & Rescue Protection Dist.	6	L-6	no	5	0	no	01-2010
Osage Beach Fire Protection Dist.	33	L-6	no	5	0	no	07-2006
Ozark Fire Protection Dist.	32	L-12	no	5	0	no	02-2009
Pleasant Hill Fire Protection Dist.	18	L-6	no	3	0	no	11-2008
Prairie Township Fire Dist.	0	L-3	no	3	0	no	01-2009
Raytown Fire Protection Dist.	42	L-6	no	5	4	no	09-1992
Redings Mill Fire Protection Dist.	18	L-3	no	5	4	no	01-2007
Rocky Mount Fire Protection Dist.	3	L-7	no	5	4	no	08-2007
Savannah Fire Protection Dist.	1	L-1	yes	5	4	no	06-2006
Smithville Fire Protection Dist.	15	L-7	no	5	0	no	04-2004
Sni Valley Fire Protection Dist.	29	L-11	no	3	0	no	07-1986
South Metro Fire Protection Dist.	56	L-11	no	3	0	no	11-1981
Southern Jackson Co. Fire Protection Dist.	33	L-11	yes	3	0	no	01-2021
Southern Platte Fire Protection Dist.	39	L-6	no	3	4	no	08-2010
Southern Stone Co. Fire Protection Dist.	17	L-7	no	5	4	no	01-2013
St. James Fire Protection Dist.	1	L-12	no	3	4	no	05-2007
Strafford Fire Protection Dist.	16	L-6	no	5	4	no	10-2009
Sullivan Fire Protection Dist.	11	L-1	no	5	4	no	01-2020
Sunrise Beach Fire Protection Dist.	22	L-1	no	5	4	no	01-2017
Union Fire Protection Dist.	24	L-6	no	3	0	no	11-2006
Warrenton Fire Protection Dist.	10	L-3	no	3	4	no	12-2017
Waynesville Rural Fire Protection Dist.	12	L-7	no	3	0	no	07-2008
West Overland EMS & Fire Protection Dist.	19	L-6	no	5	4	no	04-2016
West Peculiar Fire Protection Dist.	16	L-6	no	5	0	no	09-2006
Western Taney Co. Fire Protection Dist.	9	L-6	no	5	4	no	07-1993

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\*Charter Member

Political Subdivision:	Employee Members	Benefit Program†	Rule of 80	Final Average Salary Period	Employee Contribution	Non-Contributory Refund	Membership Date
Willard Fire Protection Dist.	17	L-7	no	5	4	no	09-2013
Wright City Fire Protection Dist.	14	L-1	no	3	4	no	01-2020
<b>Emergency Services:</b>							
Adair Co. Ambulance Dist.	31	L-6	no	5	4	no	02-2009
Audrain Ambulance Dist.	19	L-6	yes	5	0	no	03-2010
Audrain Co. Emergency Services	10	L-7	yes	5	0	no	01-2011
Barry Co. E-911 Emergency Services	20	L-12	yes	5	4	no	01-2013
Barry-Lawrence Co. Ambulance Dist.	18	L-6	yes	5	4	no	01-2014
Barton Co. Ambulance Dist.	12	L-3	yes	5	0	no	10-1998
Big River Ambulance Dist.	14	L-7	no	5	0	no	01-2011
Caldwell Co. Ambulance Dist.	4	L-1	no	5	4	no	01-2014
Callaway Co. Ambulance Dist.	34	L-9	yes	3	0	no	01-1996
Cameron Ambulance Dist.	11	L-3	yes	5	4	no	01-2010
Carroll Co. Ambulance Dist.	11	L-1	no	5	4	no	05-2017
Cass Co. Emergency Services	1	L-6	no	3	0	no	05-2013
Chariton Co. Ambulance Dist.	15	L-3	no	5	4	no	01-2013
Chariton Co. Enhanced 911	7	L-3	no	3	4	no	05-2004
Christian Co. Ambulance Dist.	1	LT-4 (Age 65)	no	5	4	no	07-2013
Christian Co. Emergency Services	19	L-6	no	3	0	no	04-2011
Clark Co. Ambulance Dist.	6	L-1	yes	3	4	no	01-2021
Clearwater Ambulance Dist.	10	L-3	no	3	4	no	11-2017
Cole Camp Community Ambulance Dist.	6	LT-4 (Age 65)	no	5	4	no	09-2018
Daviess Co. Community Ambulance Dist.	3	LT-10 (Age 65)	no	3	4	no	07-2000
Dekalb/Clinton Co. Ambulance Dist.	4	L-1	no	5	4	no	03-2017
East Central Dispatch Center	21	L-6	no	3	4	no	07-2013
Gasconade Co. 911 Board	10	L-7	no	5	0	no	07-2003
Grand River Regional Ambulance Dist.	11	L-1	no	5	4	no	11-2014
Henry Co. Emergency 911 Center	11	L-1	no	5	4	no	10-2015
Hermann Area Ambulance Dist.	9	L-3	no	5	0	no	10-2009
Howell Co. 911 Emergency Services	13	L-6	yes	5	0	no	03-2009
Iron Co. E911 Communications	1	L-3	no	3	4	no	06-2012
Iron Co. Ambulance Dist.	20	L-1	no	5	4	no	05-2019
Jefferson Co. 911 Dispatch Dist.	47	L-12	yes	3	0	no	01-2009
Joachim-Plattin Ambulance Dist.	42	L-6	no	3	0	no	01-2013
Johnson Co. Central Dispatch E-911	20	L-6	yes	5	0	no	01-2016
Johnson Co. Ambulance Dist.	39	L-7	yes	5	4	no	01-2004
Lawrence Co. Emergency Services 911	1	L-6	yes	5	6	no	06-2023
Lewis Co. Emergency E-911	0	L-1	no	5	0	no	03-2003
Lincoln Co. Ambulance Dist.	50	LT-8 (Age 65)	no	3	0	no	02-1990
Lincoln Co. Emergency Services	22	L-6	yes	5	4	no	03-2020
Linn Co. Ambulance Dist.	13	L-3	no	5	4	no	01-2010
Linn Co. E-911 Central Dispatch	7	L-3	no	3	0	no	09-2020
Madison Co. Ambulance Dist.	13	L-3	no	5	4	no	01-2014
Marion Co. E-911 Communications	21	LT-5 (Age 65)	yes	5	0	no	01-1997
McDonald Co. 911	16	L-1	no	5	4	no	03-2018
Meramec Ambulance Dist.	25	L-1	yes	5	4	no	03-2019
Monroe City Ambulance Dist.	4	L-7	no	5	4	no	01-2020
Monroe Co. Ambulance Dist.	4	L-1	no	5	0	no	08-2012

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\*Charter Member

Political Subdivision:	Employee Members	Benefit Program†	Rule of 80	Final Average Salary Period	Employ- ee Contri- bution	Non- Contrib- utory Refund	Membership Date
Montgomery Co. Ambulance Dist.	15	L-6	yes	5	4	no	04-1994
Newton County Ambulance Dist.	48	L-7	no	5	6	no	01-2023
Nodaway Co. Ambulance Dist.	19	L-6	no	5	6	no	05-2016
North Crawford Co. Ambulance Dist.	0	L-7	no	5	6	no	06-2023
North Scott Co. Ambulance Dist.	17	L-3	no	5	4	no	11-2012
Northland Regional Ambulance Dist.	29	LT-8 (Age 65)	no	5	4	no	07-2012
Pike Co. 911	10	L-1	no	3	4	no	06-2019
Pulaski Co. 911 Communications	11	L-12	yes	3	0	no	03-2008
Ralls Co. 911 Dist.	0	L-3	no	5	0	no	06-2001
Randolph Co. Ambulance Dist.	19	L-3	no	5	0	no	01-2008
Ray Co. 911 Emergency Services Board	9	L-12	no	3	0	no	09-1998
Ray Co. Ambulance Dist.	17	L-7	no	3	4	no	04-1997
Slater Ambulance Dist.	4	L-1	no	3	4	no	05-2023
South Scott Co. Ambulance Dist.	20	LT-14 (Age 65)	yes	5	4	no	07-2000
St. Francois Co. Ambulance Dist.	64	L-6	yes	5	4	no	01-2009
Ste. Genevieve Co. Ambulance Dist.	18	L-6	no	5	4	no	01-2012
Stoddard Co. Ambulance	32	L-6	yes	3	4	no	07-2001
Stone Co. Emergency Services	15	L-7	no	3	4	no	04-2002
Sullivan Co. E-911	6	L-3	no	5	4	no	04-2009
Sweet Springs Ambulance Dist.	3	L-7	no	5	4	no	06-2022
Taney Co. Ambulance Dist.	64	L-6	yes	3	4	no	01-1987
Texas Co. Emergency Services	9	L-12	yes	3	0	no	08-2015
Tri-County Ambulance Services	7	L-6	no	5	0	no	02-1996
Union Ambulance Dist.	20	L-7	no	5	4	no	01-2020
Valle Ambulance Dist.	22	L-7	no	5	0	no	11-2015
Warsaw Lincoln Ambulance Dist.	25	L-1	no	5	4	no	01-2020
Webster Co. E-911 Services	12	LT-8 (Age 65)	no	5	0	no	04-2006
West Central Dispatch Center	14	L-7	no	5	4	no	02-2017

## Libraries:

Adair County Public Library	1	L-3	no	3	4	no	01-1992
Brentwood Public Library	5	L-7	no	3	0	yes	04-1969
Brookfield Carnegie Library Dist.	1	L-1	no	3	0	no	06-1989
Camden County Library	17	L-7	no	3	0	yes	01-1978
Carthage Public Library	6	L-1	no	5	4	no	08-2001
Cass County Public Library	41	L-6	no	5	0	no	05-1988
Cedar County Library	1	L-3	no	3	4	no	05-1971
Christian County Library	21	L-6	no	5	0	no	06-1969
Daniel Boone Regional Library	93	L-3	no	5	0	no	04-2019
Douglas County Public Library	2	L-1	no	5	4	no	05-2013
Ferguson Municipal Library	6	L-1	no	5	4	no	07-1969
Gentry County Library	2	L-3	no	5	0	no	06-2018
Henry County Library	7	L-3	no	3	4	no	01-2006
Hickory County Library	1	L-1	no	3	4	no	05-1971
Jefferson County Public Library	31	L-7	no	3	4	no	01-1992
Lebanon-Laclede County Library	7	L-9	no	5	0	no	01-1970
Little Dixie Regional Libraries	9	L-7	no	5	0	no	06-1996
Livingston County Library	12	L-1	no	5	0	no	02-2006
Maplewood Library	4	L-6	no	3	4	no	04-1970

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Political Subdivision:	Employee Members	Benefit Program†	Rule of 80	Final Average Salary Period	Employ- ee Contri- bution	Non- Contrib- utory Refund	Membership Date
Maryville Public Library	3	L-7	yes	5	0	no	01-1973
Mexico-Audrain County Library	10	L-3	no	5	0	no	08-1984
* Mid-Continent Public Library	374	L-6	yes	3	0	yes	04-1968
Mississippi County Public Library	3	L-6	yes	3	4	no	02-1969
Missouri River Regional Library	32	L-7	no	3	4	no	01-2003
Neosho/Newton County Library	4	L-3	yes	5	0	no	01-2005
Nevada Public Library	2	L-6	no	3	0	no	04-1969
New Madrid County Library	2	L-7	no	3	4	no	04-1968
Ozark Regional Library	4	L-6	no	3	0	no	01-2016
Polk County Library	8	L-1	no	3	0	no	05-1971
Poplar Bluff Public Library	13	L-7	no	5	4	no	01-2013
Pulaski County Library	10	L-3	no	5	0	no	01-1970
Ray County Library	3	LT-10 (Age 65)	no	5	0	no	07-1970
Riverside Regional Library	10	L-12	no	3	0	no	08-1968
Rock Hill Public Library	2	L-3	no	3	4	no	01-1989
Rolla Free Public Library	3	L-6	no	3	4	no	05-1989
Rolling Hills Consolidated Library	16	L-1	no	5	0	no	07-2003
Salem Public Library	2	L-7	no	3	4	no	07-1993
Scenic Regional Library	29	L-6	no	5	4	no	01-1971
Sedalia Public Library	4	L-6	no	3	0	no	07-1987
Springfield-Greene County Library	99	L-7	no	3	0	yes	07-1969
St Charles City-County Library	96	L-7	no	3	0	yes	08-1973
St Joseph Public Library	34	L-1	no	5	0	no	09-2013
Stone County Library	8	L-1	no	5	4	no	02-1970
Texas County Library	0	L-3	no	3	4	no	08-1982
Trails Regional Library	31	L-7	no	3	0	no	10-1970
Washington County Library	4	L-1	no	5	0	no	01-2017
Webster County Library Dist.	4	L-3	yes	3	0	no	01-2007
Webster Groves Municipal Library	10	L-7	no	5	4	no	10-2013
Wright County Library	2	L-1	no	5	0	no	05-1982

## Soil & Water Conservation Districts:

Andrew County SWCD	2	L-7	no	3	0	no	07-2019
Atchison County SWCD	2	L-7	no	3	0	no	04-2020
Audrain County SWCD	3	L-7	no	3	0	no	11-2018
Barton County SWCD	2	L-7	no	3	0	no	04-2021
Bates County SWCD	2	L-7	no	3	0	no	07-2019
Benton County SWCD	3	L-7	no	3	0	no	01-2019
Callaway County SWCD	1	L-7	no	3	0	no	01-2019
Camden County SWCD	1	L-7	no	3	0	no	01-2020
Carroll County SWCD	4	L-7	no	3	0	no	01-2020
Carter County SWCD	2	L-7	no	3	0	no	07-2019
Cass County SWCD	0	L-7	no	3	0	no	07-2019
Cedar County SWCD	1	L-7	no	3	0	no	04-2019
Chariton County SWCD	2	L-7	no	3	0	no	01-2020
Christian County SWCD	2	L-7	no	3	0	no	10-2022
Clark County SWCD	2	L-7	no	3	0	no	01-2020
Cole County SWCD	2	L-7	no	3	0	no	10-2018
Crawford County SWCD	1	L-7	no	3	0	no	07-2019

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Political Subdivision:	Employee Members	Benefit Program†	Rule of 80	Final Average Salary Period	Employ- ee Contri- bution	Non- Contribu- tory Refund	Membership Date
Dade County SWCD	2	L-7	no	3	0	no	01-2019
Dekalb County SWCD	1	L-7	no	3	0	no	04-2019
Dent County SWCD	2	L-7	no	3	0	no	04-2023
Franklin County SWCD	2	L-7	no	3	0	no	01-2019
Gasconade County SWCD	2	L-7	no	3	0	no	04-2019
Gentry County SWCD	3	L-7	no	3	0	no	04-2020
Henry County SWCD	2	L-7	no	3	0	no	10-2018
Hickory County SWCD	2	L-7	no	3	0	no	01-2020
Holt County SWCD	1	L-7	no	3	0	no	01-2019
Howell County SWCD	2	L-7	no	3	0	no	04-2019
Iron County SWCD	2	L-7	no	3	0	no	08-2019
Jefferson County SWCD	3	L-7	no	3	0	no	01-2019
Johnson County SWCD	2	L-7	no	3	0	no	10-2019
Laclede County SWCD	2	L-7	no	3	0	no	08-2019
Lafayette County SWCD	0	L-7	no	3	0	no	07-2019
Lewis County SWCD	2	L-7	no	3	0	no	07-2019
Lincoln County SWCD	2	L-7	no	3	0	no	01-2019
Livingston County SWCD	3	L-7	no	3	0	no	10-2019
Maries County SWCD	2	L-7	no	3	0	no	07-2019
McDonald County SWCD	2	L-7	no	3	0	no	07-2019
Miller County SWCD	2	L-7	no	3	0	no	04-2019
Monroe County SWCD	4	L-7	no	3	0	no	04-2019
Montgomery County SWCD	3	L-7	no	3	0	no	10-2019
Morgan County SWCD	2	L-7	no	3	0	no	04-2019
Newton County SWCD	1	L-7	no	3	0	no	07-2019
Nodaway County SWCD	4	L-7	no	3	0	no	01-2020
Osage County SWCD	2	L-7	no	3	0	no	04-2019
Pettis County SWCD	4	L-7	no	3	0	no	01-2019
Phelps County SWCD	2	L-7	no	3	0	no	04-2019
Pike County SWCD	1	L-7	no	3	0	no	10-2019
Randolph County SWCD	3	L-7	no	3	0	no	01-2019
Ray County SWCD	2	L-7	no	3	0	no	01-2019
Saline County SWCD	3	L-7	no	3	0	no	01-2020
Schuyler County SWCD	1	L-7	no	3	0	no	07-2019
Scotland County SWCD	2	L-7	no	3	0	no	01-2019
Shelby County SWCD	2	L-7	no	3	0	no	01-2019
St. Charles County SWCD	2	L-7	no	3	0	no	07-2019
St. Clair County SWCD	3	L-7	no	3	0	no	01-2019
St. Francois County SWCD	2	L-7	no	3	0	no	01-2022
Ste. Genevieve County SWCD	2	L-7	no	3	0	no	01-2019
Stoddard County SWCD	3	L-7	no	3	0	no	07-2019
Stone County SWCD	2	L-7	no	3	0	no	01-2019
Sullivan County SWCD	2	L-7	no	3	0	no	07-2019
Taney County SWCD	2	L-7	no	3	0	no	10-2022
Texas County SWCD	3	L-7	no	3	0	no	04-2019
Vernon County SWCD	3	L-7	no	3	0	no	01-2020
Warren County SWCD	2	L-7	no	3	0	no	10-2019
Washington County SWCD	1	L-7	no	3	0	no	07-2019
Wright County SWCD	2	L-7	no	3	0	no	07-2019

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MISSOURI LOCAL GOVERNMENT  
EMPLOYEES RETIREMENT SYSTEM

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