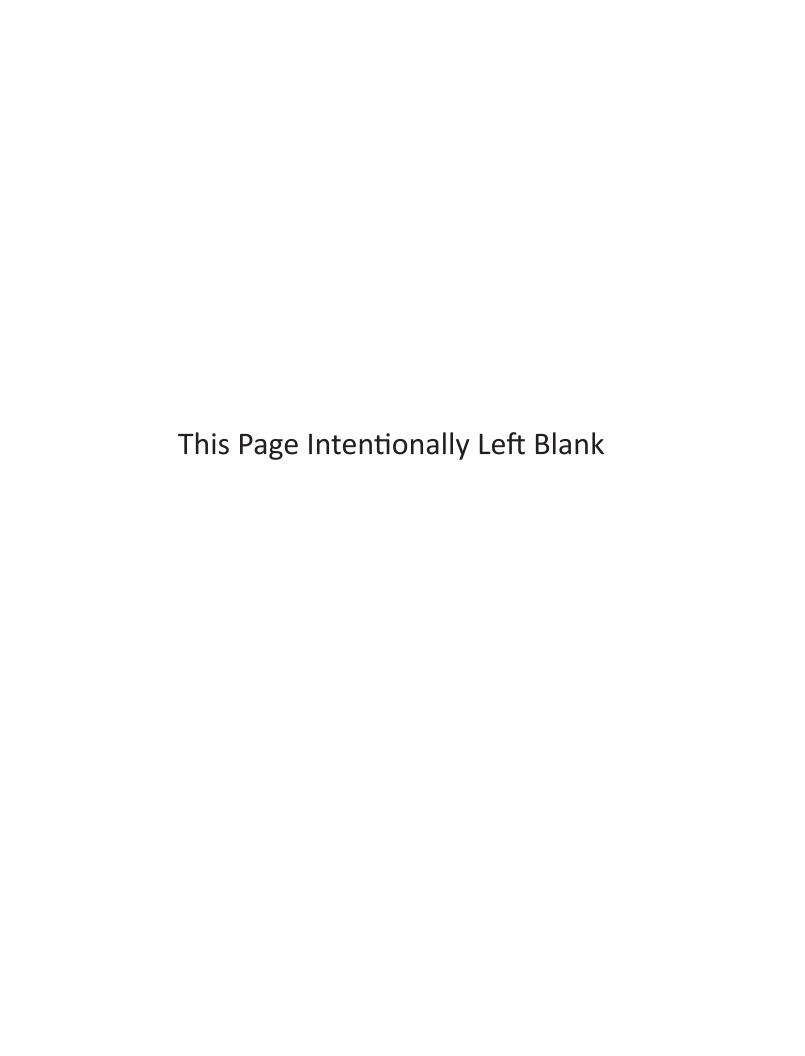


ANNUAL FINANCIAL REPORT For the year ending June 30, 2020

Arkansas Public Employees Retirement System Annual Financial Report

For the Fiscal Year Ended June 30, 2020





Public Pension Coordinating Council

Public Pension Standards Award For Funding and Administration 2020

Presented to

Arkansas Public Employees Retirement System

In recognition of meeting professional standards for plan funding and administration as set forth in the Public Pension Standards.

Presented by the Public Pension Coordinating Council, a confederation of

National Association of State Retirement Administrators (NASRA) National Conference on Public Employee Retirement Systems (NCPERS) National Council on Teacher Retirement (NCTR)

Alan H. Winkle

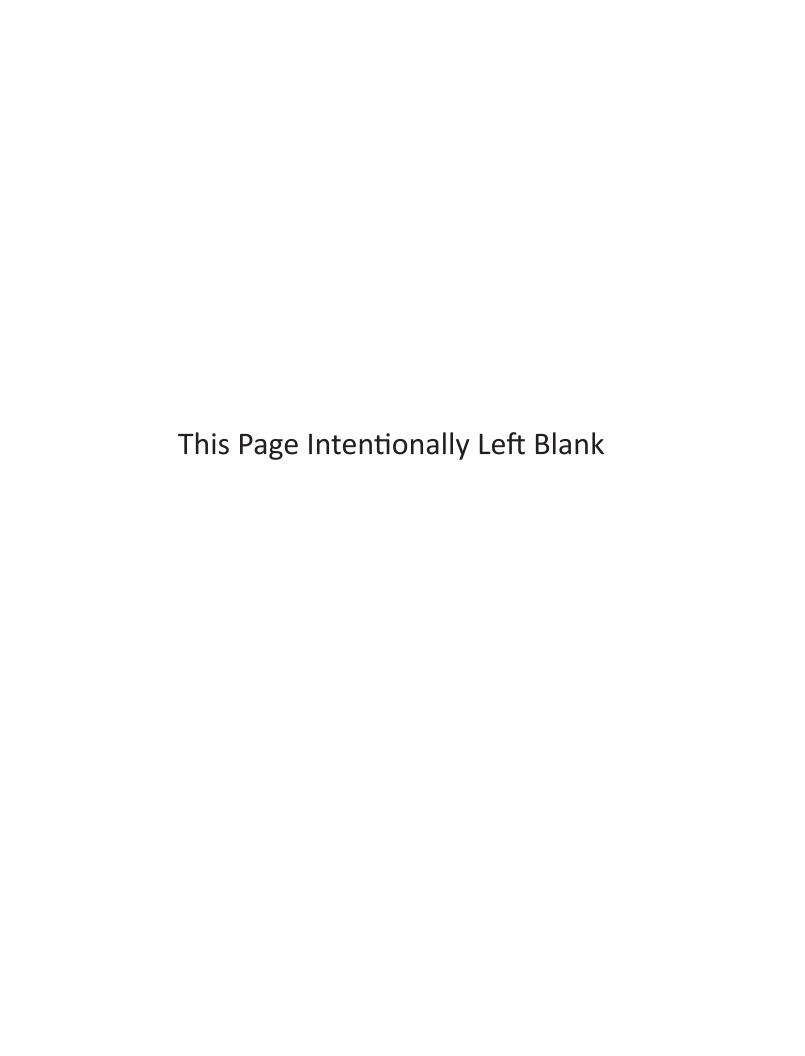
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Introduction

System Overview

Letter of Transmittal

Chair's Letter

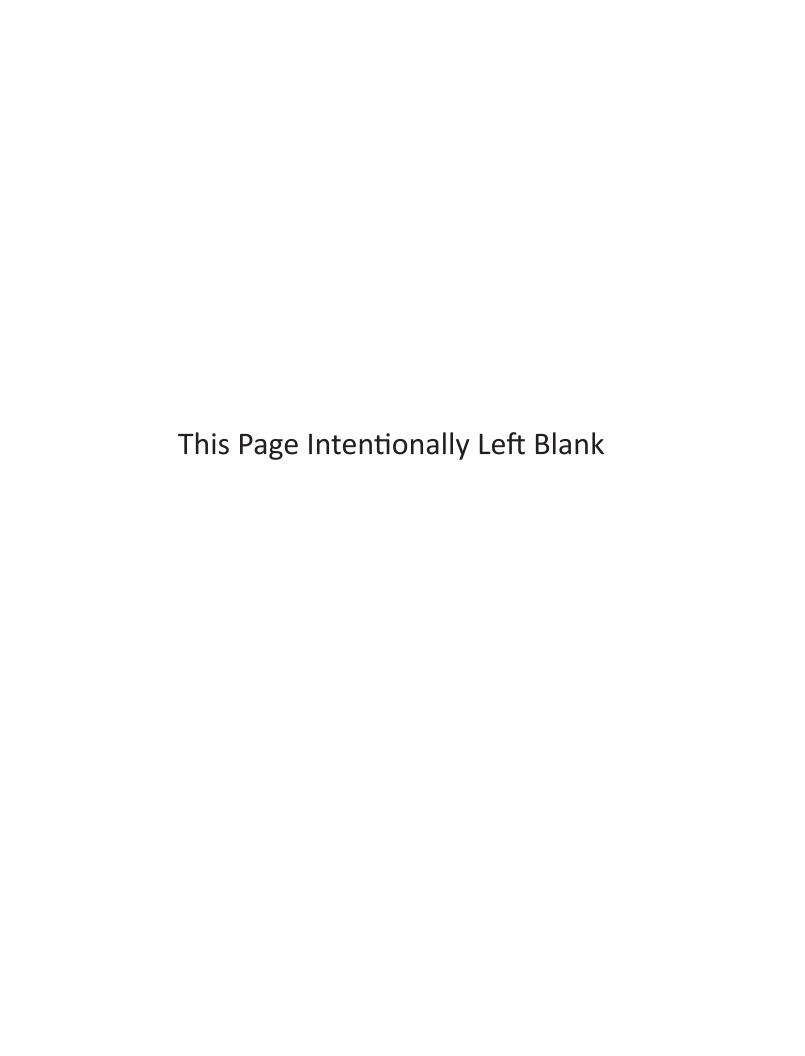
Board of Trustees

APFRS Senior Staff

Professional Service Providers







SYSTEM OVERVIEW

for the year ended June 30, 2020

VALUATION ASSETS (In Millions)	\$9,090		RATE OF RETURN		2.41%
FUNDED RATIO	799	%	BENEFITS PAID (In Millions)		\$ 587.4
OUR MEMBERS					
ACTIVE			RETIF	RED	
TOTAL ACTIVE MEMBERS	44,373		TOTAL RETIRED MEME	BERS	39,805
AVERAGE AGE	44.4		AVERAGE MONTHLY P	ENSION	\$1,334
AVERAGE YEARS SERVICE	8.9		INACT	TIVE	
AVERAGE SALARY	\$40,469		TOTAL INACTIVE MEM	BERS	14,711
COVERED EMPLOYERS					
TOTAL COVERED EMPLOYE	oc .		654		

LETTER OF TRANSMITTAL

December 20, 2020 Board of Trustees Arkansas Public Employees Retirement System Little Rock, AR 72201

To the Board of Trustees and members of the Arkansas Public Employees Retirement System:

I am pleased to present to you the 2020 Annual Financial Report of the Arkansas Public Employees Retirement System (APERS) for the fiscal year ended June 30, 2020. Responsibility for both the accuracy of the data and the completeness and fairness of the presentation, including all disclosures, rests with the management of the System. To the best of our knowledge, the enclosed data is accurate in all material respects and is reported in a manner designed to present fairly the financial status of the System and changes therein.

The compilation of this report reflects the combined efforts of APERS' management under the leadership of the Board of Trustees of the Arkansas Public Employees Retirement System (the Board). The report is intended to provide extensive and reliable information for making management decisions, determining compliance with legal provisions, and determining responsible stewardship for the assets contributed by the System's members and their employers.

Plan Basics

APERS was established for state employees by legislation enacted in 1957 and subsequently expanded to include the employees of counties, municipalities, schools, and other political subdivisions. The mission of the System is to provide a secure benefit in retirement to our members and their beneficiaries. All services provided by management are performed to meet this objective. The summary of plan provisions is presented in the Actuarial Section and a comprehensive list of all participating employers is provided in the Statistical Section.

Major Initiatives

During this fiscal year, management engaged in several important initiatives for the system, including the following:

Legislative town hall Meetings – During the Fall of 2019, APERS staff participated in 11 statewide Legislative town hall meetings attended by over 2,000 individuals. The staff listened to the concerns, input, ideas, and suggestions from members and retirees regarding changes to benefits and contribution rates. This information was faithfully relayed to the Board and incorporated into their discussions and analysis of proposed changes.

Preparation of a 2021 Legislative Package – The Board has undertaken a multi-year effort to evaluate ways to improve the long-term financial health of the system, including reviewing and discussing various future scenarios with the system's professional actuary. In 2020, the Board continued their discussion and analysis with the professional actuary at 5 separate special and regular meetings. These Board meetings resulted in 11 separate packages that were narrowed down to 1 final package of changes for referral to the Legislature.

Review of Asset Classes through the Investment Workplan – In 2019, the Board reaffirmed the current investment asset allocation at the conclusion of the Asset-Liability Study. Going forward, management

suggested that a detailed analysis be conducted of each of the asset classes so that they could be fine tuned for performance. In 2020, the Board completed a review of the international equities asset class. The Trustees changed the benchmark for this asset class and conducted a search for a manager which resulted in the hiring of two international small capitalization managers.

Financial Information and Management Responsibility

The financial statements of the System have been prepared by management, which is responsible for the integrity and fairness of the data presented, including those figures that are based on estimates and judgments. The 2020 Annual Financial Report has been prepared to conform to the accounting principles generally accepted in the United States.

The executive management of APERS is responsible for establishing and maintaining adequate internal control over financial reporting. The System's internal control over financial reporting is designed to provide reasonable assurance that transactions are executed in accordance with management's general or specific authorization and are recorded as necessary to maintain accountability for assets and to permit the preparation of financial statements in accordance with generally accepted accounting principles. APERS has written policies and procedures adopted by the Board and promulgated in accordance with the Arkansas Administrative Procedures Act.

Investments

The investments of APERS are governed primarily by an investment authority known as the "prudent investor rule." The rule established a standard for all fiduciaries, which includes anyone who has investment authority with respect to a fund. The Board has established an Investment Policy Statement that guides management in the investment of fund assets. Through the diversification of the investment portfolio, the fund seeks to reduce overall risks and increase returns. A summary of the asset allocation can be found in the Investments Section.

For the fiscal year ending June 30, 2020, the fund recognized a positive 2.41% rate of return. For the last five years, the System's annualized rate of return has been 6.11%. Each quarter, the investment consultant provides a summary of performance compared to the established benchmarks and comparable funds. A comparable analysis of rates of return is presented in the Investments Section.

Actuarial Analysis

A pension is well-funded when it has enough assets to meet the future obligations to plan participants. A greater level of funding results in a larger ratio of assets accumulated to the actuarial accrued liability. The advantage of a well-funded plan is that the participants can be assured that enough assets exist to pay all promised benefits to members and their beneficiaries.

The System's statutory funding objective is to meet long-term benefit promises through contributions that remain approximately level as a percentage of member payroll. According to the System actuary, "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." The Board has established an Actuarial Funding Policy that targets a funding level of 100%.

The actuarial accrued liability and actuarial funding value of assets of the System as of June 30, 2020 amounted to \$11.51 billion and \$9.09 billion respectively. On a funding value of assets basis, the funding status of the System remained at 79% in fiscal 2020 as compared to fiscal 2019. A detailed discussion of funding and actuarial measures is provided in the Actuarial Section of this report.

Professional Services

The Board retains independent consultants to perform professional services that are essential to the system's long-term strength and stability. Actuarial services are provided by GRS, investment consulting is provided by Callan, and the annual financial audit is conducted by Arkansas Legislative Audit in accordance with A.C.A. § 24-2-702.

Awards and Acknowledgments

The Arkansas Public Employees Retirement System was awarded the Public Pension Standards Award for Funding and Administration for the 15th year in a row by the Public Pension Coordinating Council, a confederation of the National Association of State Retirement Administrators, The National Conference on Public Employee Retirement Systems, and the National Council on Teacher Retirement. This award is in recognition of meeting professional standards for plan funding and administration as set forth in the Public Pension Standards.

I would like to express my sincere thanks to the entire staff of APERS for their hard work and dedication throughout the year. Our team works diligently each day to provide professional service to our members and efficiently operate each division of the agency. In addition, I want to say thank you to the Trustees for their prudent leadership and the high expectations they set for the System.

Sincerely,

Duncan Baird Executive Director

CHAIRPERSON'S LETTER

Dear APERS Members:

On behalf of the Board of Trustees, I am pleased to present the Annual Financial Report of the Arkansas Public Employees Retirement System for the fiscal year ended June 30, 2020. This report is designed to provide a detailed look at the financial, investment, and actuarial aspects of the System.

Throughout the year, the Board has worked diligently to fulfill our fiduciary responsibility to the System and has worked to maintain and build upon the strength of the System.

During this fiscal year, the Board moved forward with an investment work plan for reviewing the structure within each asset class. As part of this process, we made an adjustment to the benchmark used for international equities and began the process of hiring two International small-cap managers. This multi-year process of reviewing our asset classes will ensure that the System's investment portfolio is well-positioned for the future.

In addition, the Board began its work early in preparing for the 2021 legislative session. Though challenged by the pandemic, the Board still held a series of special meetings via Zoom during the year to review data and scenarios with our actuary. Through this process, the Board developed a package of legislative changes for the Legislature to consider. These changes incorporate feedback that we received from members and stakeholders, and they will provide a path to improved financial strength and stability over the long term.

As Board chair, I can assure you that each Trustee understands the importance of maintaining a strong retirement system in order to fulfill the promises made to our members. We continue working toward that goal at each Board meeting and throughout the year. I also recognize the dedication and fine work of the entire administrative staff of APERS. As a Board of Trustees, we appreciate the commitment of the staff to delivering high-quality, professional service to each APERS member and stakeholder.

Sincerely,

Candace Franks, Chair APERS Board of Trustees

Cance Frueto

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BOARD OF TRUSTEES

Candace Franks, Chair

State Employee Representative Expiration of Term, March 9, 2025

Larry Walther, Vice Chair

Secretary of the Department of Finance and Administration Ex-Officio Member

David Hudson

County Employee Representative Expiration of Term, March 9, 2021

Joe Hurst

Municipal Employee Representative Expiration of Term, March 9, 2022

Dale Douthit

State Employee Representative Expiration of Term, March 9, 2023

Gary Carnahan

Municipal Employee Representative Expiration of Term, March 9, 2024

Daryl Bassett

State Employee Representative Expiration of Term, March 9, 2026

Dennis Milligan

Treasurer of State Ex-Officio Member

Andrea Lea

Auditor of State Ex-Officio Member

APERS SENIOR STAFF

Duncan Baird

Executive Director

Allison Woods

Deputy Director

Jason Willett

Chief Financial Officer

Carlos Borromeo

Chief Investment Officer

Laura Gilson

Chief Legal Counsel

Phillip Norton

Director of Information Technology

Abbi Bruno

Director of Operations

Jennifer Taylor

Director of Benefits Administration

Jacobia Twiggs

Manager, Educational Outreach

Jon Aucoin

Manager, Communications Section

Cheryl Wilburn

Manager, Member and Retiree Services Section

John Owens

Internal Auditor

Usha Doolabh

Accounting Operations Manager, Investments

PROFESSIONAL SERVICE PROVIDERS

Custodian Bank

The Bank of New York Mellon

Pittsburgh, PA 15258

Actuary

Gabriel, Roeder, Smith & Co.

Southfield, MI 48076

Investment Consultant

Callan Associates, Inc.

Chicago, IL 60602

Investment Managers

AQR Capital Management

Greenwich, CT 06830

Artisan Partners

Milwaukee, WI 53202

Baillie Gifford Overseas Ltd.

Edinburgh, Scotland

Blackstone Alternative Asset Management, LP

New York, NY 10154

CastleArk Management, LLC

Chicago, IL 60606

Double Line Capital

Los Angeles, CA 90071

Heitman America Real Estate

Chicago, IL 60606

Horrell Capital Management

Little Rock, AR 72211

INTECH

West Palm Beach, FL 33401

Invesco Real Estate

Dallas, TX 75240

LaSalle Investment Management

San Francisco, CA 94111

Lazard Asset Management

New York, NY 10020

LSV Asset Management

Chicago, IL

MacKay Shields

New York, NY 10105

Mellon Capital Management

Pittsburgh, PA 15258

Newton Capital Management

New York, NY 10166-0005

Pinnacle Forest Investments, LLC

Little Rock, AR 72211

PGIM, Inc.

Newark, NJ 07102

SSI Investment Management

Beverly Hills, CA 90210

Stephens Investment Management Group

Houston, TX 77046

TA Associates Realty

Boston, MA 02109

Wellington Management Company

Boston, MA 02210

Wells Fargo Asset Management

(formerly Golden Capital)

Charlotte, NC 28262

Financial Section

Management's Discussion and Analysis

Statement of Fiduciary Net Position

Statement of Changes in Fiduciary Net Position

Notes to the Financial Statements

Note 1: Plan Description

Note 2: Summary of Significant Accounting Policies

Note 3: Deposits and Investments

Note 4: Other Post-Employment Benefits

Note 5: Legally Required Reserves

Note 6: Net Pension Liability

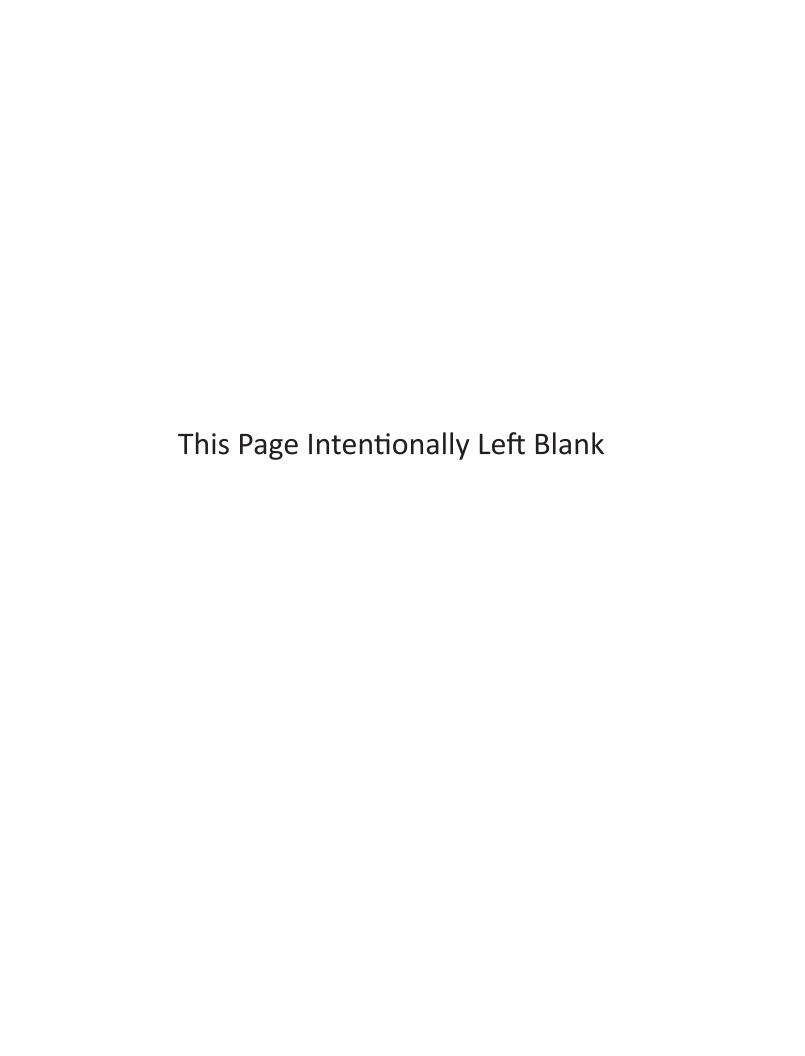
Note 7: Deferred Retirement Option Plan

Note 8: Capital Assets

Required Supplementary Information
Schedule of Employer Contributions
Notes to Schedule of Contributions
Schedule of Net Pension Liability
Schedule of Investment Returns
Schedule of Changes in Net Pension Liability and
Related Ratios

Notes to Required Supplementary Information Schedule of Administrative Expenses Schedule of Investment Expenses Payments for Professional Consultants





MANAGEMENT'S DISCUSSION AND ANALYSIS

To help facilitate a better understanding of the financial condition of the Arkansas Public Employees Retirement System (APERS or the System) as of June 30, 2020, the results of its operation for the fiscal year ended, and the fiscal policies that govern its significant business operations, management has prepared this narrative analysis. The narrative is intended to supplement the System's financial statements and, as such, should be read in conjunction with these statements, which are presented beginning on page 24.

Overview of the Financial Statements

This overview is intended to serve as an introduction to the System's financial reporting. Collectively, all the information contained in the Financial Section of this annual report presents the net assets held in trust for pension benefits as of June 30, 2020.

The basic financial statements contained in the Financial Section of the annual report consist of the following:

The Statement of Fiduciary Net Position

The Statement of Fiduciary Net Position (see page 24) reports the pension trust fund's assets, liabilities, and resulting net position such that assets – liabilities = net position at the end of the fiscal year. It is a snapshot of the financial position of the pension trust fund at that specific time. Below is a summary of the statement that includes total assets, total liabilities, and resulting net position for fiscal years 2019 and 2020.

Summary of Fiduciary Net Position

	2020	2019
Assets		
Cash and Cash Equivalents	\$ 178,653,677	\$ 237,010,673
Receivables	77,865,314	92,918,407
Investments	8,566,566,609	8,572,265,974
Securities Lending Collateral	750,717,605	997,624,181
Property and Equipment	14,405,957	16,558,434
Other Assets	288,944	269,888
Total Assets	9,588,498,106	9,916,647,558
Liabilities		
Other Liabilities	67,057,201	84,513,856
Securities Lending Collateral	752,430,215	998,806,043
Total Liabilities	819,487,416	1,083,319,899
Net Position Restricted For Pension Benefits	\$ 8,769,010,690	\$ 8,833,327,659

The Statement of Changes in Fiduciary Net Position

The Statement of Changes in Fiduciary Net Position (page 25) reports the pension trust fund's financial transactions that have occurred during the fiscal year such that additions – deductions = net change in net position. It supports the change that has occurred to the prior year's net position value on the Statement of Fiduciary Net Position. Below is a summary of the statement that indicates the financial transactions of the trust fund for fiscal years 2019 and 2020.

Summary of Changes in Fiduciary Net Position

	2020		2019
Additions			
Employer Contributions	\$ 298,918,947	\$	293,013,342
Plan Member Contributions	71,470,967		68,206,685
Supplemental Contributions	578,619		561,765
Net Investment Income	174,561,773		450,493,098
Other Additions	4,870,799		5,115,404
Total Contributions	550,401,105		817,390,295
Deductions			
Benefits	587,453,797		555,352,597
Refunds on Contributions	15,835,290		16,239,928
Administrative Expenses	 11,428,987		15,222,244
Total Deductions	614,718,074		586,814,769
Net Increase (Decrease)	(64,316,969)		230,575,527
Net Position			
Beginning of the Year	 8,833,327,659		3,602,752,132
End of the Year	\$ 8,769,010,690	\$ 8	3,833,327,659

Additions to Fiduciary Net Position

The reserves needed to finance retirement benefits are accumulated through the collection of employer and employee contributions and through earnings on investments. Accumulations for fiscal year 2020 totaled approximately \$550.4 million (see the following table):

Operating Additions

operating manifolis		
	2020	2019
Employer Contributions	\$ 298,918,947	\$ 293,013,342
Plan Member Contributions	71,470,967	68,206,685
Supplemental Contributions	578,619	561,765
Investment Earnings	174,561,773	450,493,098
Miscellaneous Additions	580,375	569,970
Transfers From Other Retirement Systems and State Agencies	4,290,424	4,545,434
Total	\$ 550,401,105	\$ 817,390,295

The overall decrease in additions was approximately \$267 million when compared to fiscal year 2019 and was due primarily to lower investment returns. The Investments Section of this report reviews investment activity and the results of the investment portfolio for fiscal year 2020.

Deductions to Fiduciary Net Position

The primary deductions from the System include the payment of benefits to members and beneficiaries, the refund of contributions to former members, and the cost of administering the System. Deductions for fiscal year 2020 totaled approximately \$615 million (see the following table):

Operating Deductions

53,797 \$ 55!	5,352,597
	3,002,007
35,290 10	6,239,928
28,987 1	5,222,244
18,074 \$ 580	6,814,769
	28,9871

The overall increase in deductions was approximately \$28 million when compared with fiscal year 2019. The increase in benefit payments resulted primarily from an increase in both the number and average amount of benefits paid and from cost-of-living increases granted. The overall net decrease in the System's net position was approximately \$64 million during fiscal year 2020.

The Notes to the Financial Statements

The Notes to the Financial Statements are provided as an integral component of the financial statements to help explain in narrative form some of the more complex or less obvious elements of the statements. Further, the Notes to the Financial Statements provide additional information that is essential for a comprehensive understanding of the System's financial condition and the results of its operations.

- Note 1 provides a general description of the System, including information regarding membership and employers.
- Note 2 summarizes significant accounting policies, including the basis of accounting, management's use of estimates, and other accounting policies.
- Note 3 describes deposits, discloses investment risks, and addresses securities lending as well as derivative instruments.
- Note 4 addresses other post-employment benefits (OPEB).
- Note 5 provides information regarding legally required reserves.
- Note 6 provides information regarding the System's net pension liability.
- Note 7 describes the System's Deferred Retirement Option Plan.
- Note 8 provides capital assets activity.

The required supplementary information provides additional detail and historical information considered to be useful in evaluating the condition of the plan administered by APERS. The System provides certain required schedules and related note disclosures that collectively demonstrate the System's annual progress

toward funding its actuarial accrued liability and disclose the annual employer contributions required and the percentage contributed.

The other supplementary schedules summarize the major categories of administrative and investment expenses and detail the amounts paid to professional consultants.

Funding

The System's overall funding objective is to accumulate sufficient assets over time to meet its long term benefit obligations as they become due. Accordingly, collecting employer and member contributions and earning an adequate long term rate of return on its investments are essential components of the System's plan for accumulating the funds needed to finance future retirement benefits.

APERS' overall pension fund net position decreased during the fiscal year ended June 30, 2020 by \$64,316,969. This decrease can be primarily attributed to the decrease in the value of investments and their associated income.

System Investments as of June 30, 2020

The investments of the pension trust fund generated a 2.41% return for the fiscal year, which is lower than the prior year's return of 5.78%. The 2.41% return placed APERS in the 69th percentile when compared with a median return of 3.26% for large public plans. Investment results over time are compared with the System's benchmarks in the schedule of comparative investment results located in the Investments Section of this annual report. Below is a summary of the performance of the System's assets by class:

- Domestic Equity: the System had \$3.632 billion in U.S. domestic equity securities, which is an increase of approximately 0.43% from fiscal year 2019. Domestic equity posted a return of 6.07% for the fiscal year. The Russell 3000 Index posted a return of 6.53%.
- International Equity: the System had \$2.165 billion in assets, which is a decrease of approximately 1.79% from fiscal year 2019. International Equity posted a return of -1.45%. The MSCI EAFE Index posted a return of -5.13%
- Fixed Income: the System had \$1.550 billion in assets which is an increase of approximately 7.11% from fiscal year 2019. Fixed Income posted a return of 6.81%. The Barclays Aggregate Index posted a return of 8.74%.
- Diversified Strategies: the System had \$445 million in assets, which is a decrease of approximately 1.90% from fiscal year 2019. Diversified Strategies posted a return of -1.17%.
- Real Assets: the System had \$1.231 billion in assets, which is a decrease of approximately 7.66% from fiscal year 2019. Real Assets posted a return of -4.37%.

Securities Lending

The System earns additional investment income by lending investment securities to broker-dealers. This is done by the System's custodian bank, Bank of New York Mellon (BNYM). The broker-dealers provide collateral to BNYM and generally use the borrowed securities to cover short sales and failed trades for their clients. BNYM invests cash collateral to earn interest. For the fiscal year 2020, securities lending income to the System amounted to \$4.864 million.

Actuarial Valuations and Funding Progress

An actuarial valuation of the System is performed annually as of June 30. The actuarial accrued liability and actuarial value of assets of the System as of June 30, 2020 amounted to \$11.51 billion and \$9.09 billion, respectively.

As of June 30, 2020, the System experienced a slight decrease in its funded status on a market value basis from 79% to 76%. On a funding basis, the System continued to remain at 79%.

Requests for Information

This annual report is designed to provide a general overview of the finances of the System. Questions concerning any of the information provided in this report or requests for additional information should be addressed as follows:

Arkansas Public Employees Retirement System 124 W. Capitol, Suite 400 Little Rock, AR 72201

STATEMENT OF FIDUCIARY NET POSITION

as of June 30, 2020

	2020	2019
ASSETS		
Cash and Cash Equivalents	\$ 178,653,677	\$ 237,010,673
Receivables	77,865,314	92,918,407
Investments, At Fair Value		
Government Securities	300,670,790	334,730,750
Corporate Securities	3,876,308,981	3,743,915,795
International Securities	2,274,739,727	2,320,173,896
Core Plus Bond Fund	525,152,547	487,641,642
Real Estate	965,834,008	1,024,948,753
Diversified Strategies	429,122,315	436,767,652
Timberland	87,471,711	87,551,690
Global Energy Fund	97,370,766	124,292,584
Commercial Loans	9,895,764	12,243,211
Total Investments	8,566,566,609	8,572,265,974
Securities Lending Collateral Investments, At Fair Value	750,717,605	997,624,181
Prepaids and Other Assets	288,944	269,888
Fixed Assets, Net	14,405,957	16,558,434
TOTAL ASSETS	9,588,498,106	9,916,647,558
LIABILITIES		
Accrued Expenses and Other Liabilities	8,856,237	9,184,948
Investment Principal Payable	53,114,956	70,325,708
Other Post Employment Benefits	5,086,008	5,003,200
Securities Lending Liability	752,430,215	998,806,043
TOTAL LIABILITIES	819,487,416	1,083,319,898
NET POSITION RESTRICTED FOR PENSION BENEFITS	\$8,769,010,690	\$8,833,327,659

STATEMENT OF CHANGES IN FIDUCIARY NET POSITION

for the fiscal year ended June 30, 2020

	2020	2019
ADDITIONS		
Contributions		
Employer	\$ 298,918,947	\$ 293,013,342
Plan Members	71,470,967	68,206,685
Supplemental	578,619	561,765
Total Contributions	370,968,532	361,781,793
Investment Income		
Interest	18,390,071	31,764,698
Dividends	93,845,724	89,935,832
Investment Gain/Loss	55,145,650	314,185,114
Security Lending Income	15,769,226	27,280,723
Real Estate Income	36,762,972	42,695,133
Other	0	1,285,541
Total Investment Income	219,913,643	507,147,041
Less: Investment Expense	45,351,870	56,653,942
Net Investment Income	174,561,773	450,493,099
Other Sources		
Miscellaneous Additions	580,375	569,970
Transfers from Other Public Employees Retirement Systems	4,013,300	4,272,395
Miscellaneous Transfers from State Agencies	277,124	273,039
Total Other Additions	4,870,799	5,115,404
TOTAL ADDITIONS	550,401,105	817,390,296
DEDUCTIONS		
Benefits	587,453,797	555,352,597
Refunds of Contributions	15,835,290	16,239,928
Administrative Expenses	11,682,726	14,739,700
TOTAL DEDUCTIONS	614,971,813	586,332,225
ADJUSTMENTS		
Actuarial Adjustment to DJ Unfunded Liability	253,739	(482,544)
NET INCREASE (DECREASE)	(64,316,969)	230,575,528
Net Position Restricted for Pension Benefits		
Beginning of Year	8,833,327,659	8,602,752,132
End of Year	\$8,769,010,690	\$ 8,833,327,659

NOTES TO THE FINANCIAL STATEMENTS

Note 1: Plan Description

General Information

The Arkansas Public Employees Retirement System (APERS or the System) is a cost-sharing, multiple employer, defined benefit pension plan established by authority of the Arkansas General Assembly with the passage of Act 177 of 1957. Its purpose is to provide retirement benefits for eligible employees and elected officials of state and local governmental entities in Arkansas. The laws governing the operations of APERS are set forth in Arkansas Code Annotated (A.C.A.), Title 24, Chapter 4, with related laws in Chapter 2 and Chapter 7.

The general administration and responsibility for the proper operation of the System is vested in the nine member Board of Trustees of the Arkansas Public Employees Retirement System (the Board). Membership includes three state and three non-state employees, all appointed by the Governor, and three ex-officio trustees, including the Auditor of State, the Treasurer of State, and the Director of the Department of Finance and Administration.

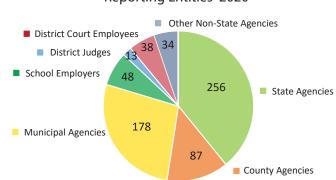
Reporting Entity

The executive director and administrative staff of APERS also serve as the executive director and administrative staff of two other state retirement systems, the Arkansas State Police Retirement System and the Arkansas Judicial Retirement System. These systems do not constitute part of the APERS reporting entity under the provisions of *GASB Statement No. 14: The Financial Reporting Entity* because these systems are legally separate, fiscally independent entities with separate boards of trustees. The nature of the relationship between these systems and APERS is merely a sharing of administrative resources and, as such, does not require inclusion of these systems in APERS financial statements.

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	2020	2019
State	256	257
County	87	87
Municipal	178	180
School	48	51
District Judges	13	14
District Court	38	35
Other Non-State	34	32
Total	654	656

Reporting Entities 2020



Membership

APERS covers all state employees who are not covered by another authorized plan, all county employees, municipal employees whose municipalities have elected coverage under the System, college and university employees, certain non-teaching school employees, and other public entities specifically defined by law.

Membership

	2020	2019
Retirees and Beneficiaries Receiving Benefits (includes DROP participants)	39,805	38,543
Terminated Plan Members Entitled to But Not Yet Receiving Benefits	14,711	14,862
Active Plan Members	44,371	45,965

Employer Contributions

All participating employers are required to contribute a portion of their eligible employees' salaries into the System. The Board establishes the provisions for these employer contributions based on the rates the independent actuary determines are necessary to fund the System. Because of the cost of providing enhanced service credit to certain members classified as public safety employees, and pursuant to the provisions of Act 625 of 1983 and Act 1097 of 1993, certain agencies employing individuals in public safety positions are required to remit additional contributions in amounts determined by the actuary.

Employer Contribution Rates

	2020	2019
State Division	15.32%	15.32%
Wildlife Subdivision	27.32	27.32
State Capitol Police Subdivision	15.32	15.32
County Division	15.32	15.32
Municipal Division	15.32	15.32
School Division	4.00	4.00
Other Non-State Division	15.32%	15.32%

Employee Contributions

The System was established as a contributory plan in which member-employees also contributed a portion of their salaries to the System. However, with the passage of Act 793 of 1977, existing members and previous members were offered the opportunity to choose to become non-contributory members. Anyone who joined the System subsequent to January 1, 1978 and had not previously been a member was automatically enrolled as a non-contributory member.

Act 2084 of 2005 directed APERS to establish a new contributory plan effective July 1, 2005. It required that all covered employees first hired on or after July 1, 2005 contribute 5% of their salary into the System. Employees hired before June 30, 2005 who were in the non-contributory plan were given the option to join the new contributory plan by December 31, 2005. Non-contributory members who did not join the new contributory plan by that deadline remain non-contributory members.

Members may have employee contributions in the System if (a) they were members of APERS on or before January 1, 1978, (b) they are members first hired after July 1, 2005, or (c) they have purchased service in the System. A member's employee contributions are refundable if the member terminates APERS-covered employment before a monthly benefit is payable. Employee contributions remaining on deposit with APERS earn interest (at the rate of 2% per year beginning July 1, 2020), which is included in the refund. Contribution refunds do not include contributions made by an employer.

System Administration

The costs of administering the System are paid out of investment earnings.

Benefits

Benefit provisions are established by state law and may be amended only by the Arkansas General Assembly. Members are eligible for full benefits under the following conditions:

- at age 65 with five years of actual service,
- at any age with 28 years of actual service,
- at age 60 with 20 years of actual service if under the old contributory plan (prior to July 1, 2005), or
- at age 55 with 35 years of credited service for local elected officials.

The normal retirement benefit amount, paid on a monthly basis, is determined by the member's final average salary and years of service. A member may retire with a reduced benefit at age 55 with at least five years of actual service or at any age with 25 years of actual service. APERS also provides for disability and survivor benefits.

Note 2: Summary of Significant Accounting Policies

Basis of Accounting

APERS' accounts and records are maintained using fund accounting principles, and its financial statements are prepared using the accrual basis of accounting. Expenses are recorded when the liability is incurred, revenues are recorded in the accounting period in which they are earned and become measurable, and investment purchases and sales are recorded as of their trade dates. Member and employer contributions are established by statute as a percentage of salaries and are recognized when due, pursuant to legal requirements. Benefits and refunds are recognized when due and payable in accordance with the terms of the plan.

Investments

The System is authorized to invest in eligible investments as approved by the Board as set forth in its investment policy. System investments are reported at fair value. Short-term investments, debt securities, and equity securities are reported at fair value, as determined by the System's custodial agent, using pricing services or prices quoted by independent brokers based on the latest reported sales prices at current exchange rates for securities traded on national or international exchanges. The fair value of the pro rata share of units owned by the System in equity index and commingled trust funds is determined by the respective fund trustee based on quoted sales prices of the underlying securities.

Net investment income (loss) includes net appreciation (depreciation) in the fair value of investments, interest income, dividend income, securities lending income and expenses, and investment expenses, which include investment management and custodial fees and all other significant investment related costs. The System's international investment managers may enter into forward foreign exchange contracts to protect against fluctuation in exchange rates between the trade date and the settlement date of foreign investment transactions. Any gains and losses on these contracts are included in income in the period in which the exchange rates change.

Investment securities and investment securities underlying commingled or mutual fund investments are exposed to various risks, such as interest rate and credit risks. Due to the risks associated with certain investment securities, it is at least reasonably possible that changes in the values of investment securities may occur in the near term, and those changes could materially affect the amounts reported in the *Statement of Fiduciary Net Position*.

Use of Estimates

The preparation of the System's financial statements in conformity with accounting principles generally accepted in the U.S. requires the System administrator to make significant estimates and assumptions that affect various data in the report, including the following:

- The net position restricted for pensions at the date of the financial statements
- The net pension liability and other actuarial information presented in Note 6
- The required supplementary information as of the benefit information date
- The changes in fiduciary net position during the reporting period

Estimates may also be involved in formulating disclosures of contingent assets and liabilities at the date of the financial statements. Actual results could differ from these estimates.

Cash and Cash Equivalents

Cash and cash equivalents include demand accounts, imprest accounts, cash in the state treasury, and short-term investment funds (STIF). The STIF accounts are created through daily sweeps of excess cash by the System's custodian bank into bank-sponsored commingled funds that are invested in U.S. Government and agency securities and other short-term investments. The STIF accounts had an average weighted maturity of 90 days or less and are stated at fair value.

Capital Assets

Capital assets purchased and in the custody of APERS were recorded as expenditures at the time of purchase. Assets with costs exceeding \$5,000 and an estimated useful life exceeding one year are reported at historical cost, including ancillary costs (such as professional fees and costs, freight costs, preparation and setup costs, and installation costs). Depreciation is reported for capital assets based on a straight-line method with no salvage value. The estimated useful life generally assigned by APERS to capital assets held ranges from five to 20 years. A schedule of capital asset activity for the fiscal year can be found on page 48.

Risks and Uncertainties

Certain data in this report – including contributions to the System and the net pension liability, as well as other actuarial information in Note 6 and the required supplementary information – has been formulated based on certain projections about interest rates, inflation rates, and employee compensation and demographics. Due to the dynamic nature of these factors, it is possible that these projections will need to be revised in the near term. Moreover, because of the uncertainties inherent in making such projections, the effect of any such changes could be material to the financial statements.

Note 3: Deposits and Investments

Deposits

Deposits are carried at cost and are included in "cash and cash equivalents." Cash and cash equivalents include demand accounts, cash in state treasury, short-term investment funds, and petty cash. As of June 30, 2020, these totals were \$60,779, \$6,100,017, \$172,492,681, and \$200 respectively. State Treasury Management Law governs the management of funds held in the State Treasury (cash in state treasury), and it is the responsibility of the Treasurer of State to ensure the funds are adequately insured and collateralized.

Custodial Credit Risk for Deposits

Custodial credit risk for deposits is the risk that, in the event of the failure of a depository financial institution, the System will not be able to recover deposits or collateral securities. The System's policy is to place deposits only in collateralized or insured accounts. As of June 30, 2020, the System's only deposits exposed to potential custodial credit risk were those holding its foreign currency balance of -\$333. The System holds foreign currency in banks outside the United States as a result of transactions by international investment managers.

Investments

Arkansas Code Annotated §§ 24-2-601 – 24-2-619 authorize the Board to have full power to invest and reinvest monies of the System and to hold, purchase, sell, assign, transfer or dispose of any of the investments or proceeds of the investment in accordance with the prudent investor rule. Security transactions and any resulting gains or losses are accounted for on a trade basis. Net investment income includes net appreciation in the fair value of investments, interest income, dividend income, and total investment expense, which includes investment management fees, custodial fees, and all other significant investment-related costs.

Arkansas Code Annotated § 24-2-608 also states that the System shall seek to invest not less than 5% nor more than 10% of the System's portfolio in Arkansas-related investments. APERS recognizes a legal responsibility to seek to invest in the Arkansas economy while realizing that its primary, legal, and fiduciary commitment is to beneficiaries of the retirement system. As stated in A.C.A. § 24-2-608 (d), "nothing in this section shall in any way limit or impair the responsibility of a fiduciary to invest in accordance with the prudent investor rule set forth in §§ 24-2-610 - 24-2-619."

Investments are reported at fair value as determined by the custodian bank. The custodian bank's determination of fair values includes, among other things, using pricing services or quotes by major independent brokers at current exchange rates as available. The schedule on the facing page reflects the fair value of investments.

Statement of Invested Assets by Type (fair value as of June 30, 2020)

	Combined	ASPRS		
Government Securities		APERS		
U.S. Government Securities	\$ 156,797,099	\$ 151,105,081	\$ 5,692,017	
U.S. Fixed Futures	(227,418)	(219,162)	(8,256)	
Agency Pooled	105,863,522	102,020,485	3,843,037	
Municipal Bonds	2,360,394	2,274,707	85,687	
Agency CMO	47,203,240	45,489,678	1,713,563	
Corporate Securities				
Collateralized Obligations	151,535,091	146,034,094	5,500,997	
U.S. Corporate Bonds	283,664,372	273,366,844	10,297,528	
Convertible Bonds	273,145,332	263,229,664	9,915,668	
Convertible Preferred Stock	42,546,318	41,001,810	1,544,508	
Common Stock	2,863,642,054	2,759,686,685	103,955,369	
U.S. Equity Index Fund	292,325,210	281,713,278	10,611,932	
Co-Mingled Funds	51,479,714	49,610,907	1,868,806	
High Yield Income Bond Fund	59,723,195	57,555,135	2,168,060	
Preferred Stock	4,265,406	4,110,564	154,842	
International Securities				
Global Government Fixed	2,457,112	2,367,914	89,198	
Global Corporate Bonds	83,194,014	80,173,922	3,020,093	
Equity Securities	1,336,384,362	1,287,871,200	48,513,161	
Global Preferred Stock	24,461,963	23,573,950	888,013	
Global Co-Mingled Funds	87,123,135	83,960,408	3,162,727	
International Equity Index Fund	758,289,624	730,762,344	27,527,280	
Global Collateralized Obligations	18,436,538	17,767,259	669,280	
Global Convertible Bonds	23,915,162	23,046,999	868,163	
Emerging Market	26,165,590	25,215,731	949,858	
Core Plus Bond Fund	544,934,658	525,152,547	19,782,110	
Real Estate	1,002,216,265	965,834,008	36,382,257	
Diversified Strategies	445,287,037	429,122,315	16,164,722	
Timberland	90,766,706	87,471,711	3,294,995	
Global Energy Fund	101,038,651	97,370,766	3,667,885	
Commercial Loans	10,268,530	9,895,764	372,766	
Total Investments	8,889,262,876	8,566,566,609	322,696,267	
Securities Lending Collateral Investments at Fair	r Value			
Commercial Paper	169,067,795	162,930,330	6,137,465	
Receivables/Payables	212,660	204,940	7,720	
Repurchase Agreements	74,201,404	71,507,759	2,693,645	
Floating Rate Notes	330,784,145	318,776,086	12,008,059	
Asset Backed Securities	204,730,579	197,298,490	7,432,089	
Total Securities Lending Collateral Investments	778,996,583	750,717,605	28,278,978	
-	\$ 9,668,259,459	\$ 9,317,284,214	\$ 350,975,245	

Financial

Investment Policy

A summary of APERS' investment policy, including its asset allocation guidelines, can be found in the Investment Section of this report, which begins on page 59.

Custodial Credit Risk for Investments

Custodial credit risk for investments is the risk that, in the event of failure of the counterparty to a transaction, the System will not be able to recover the value of its investments or collateral securities that are in the possession of an outside party. Investment securities are exposed to custodial credit risk if the securities are (a) uninsured, (b) not registered in the name of the government, and (c) held by either the counterparty or the counterparty's trust department or agent but not in the System's name. Arkansas Code Annotated § 24-2-606 does address the custodianship of assets, and the investment policy states that "the custodian bank shall, by nominee agreement, hold any and all securities for the beneficial interest of the APERS fund." As of June 30, 2020, there were no investments exposed to custodial credit risk.

Credit Risk for Investments

Credit risk of investments is the risk that the issuer or other counterparty will not fulfill its obligation to the holder of the investment. Credit risk exposure is dictated by each investment manager's agreement. This credit risk is measured by the credit quality of investment in debt securities as described by nationally recognized statistical rating organizations. Each portfolio is managed in accordance with investment guidelines that are specific as to permissible credit quality ranges, exposure levels within individual security quality rating tiers, and the average credit quality of the overall portfolio.

The schedule on the facing page indicates the System's exposure to credit risk for investments.

The System's Exposure to Credit Risk (as of June 30, 2020)*

Moody's Credit Ratings	Aaa	Aa	А	Ваа	Ва	В	Caa or below	Not Rated	Base Market Value
Government Securities	\$ 301,647,709	0	0	1,586,867	0	0	0	2,174,249	\$ 305,408,825
U.S. Government Securities	156,797,099	0	0	0	0	0	0	0	156,797,099
Agency CMO	38,987,088	0	0	1,586,867	0	0	0	2,401,666	42,975,622
Agency Pooled	105,863,522	0	0	0	0	0	0	0	105,863,522
U.S. Fixed Futures	0	0	0	0	0	0	0	(227,418)	(227,418)
Corporate Securities	26,636,398	15,880,440	61,861,236	151,389,287	43,427,313	38,836,038	10,575,928	406,549,877	755,156,519
Collateralized Obligations	25,400,410	7,910,502	3,269,433	4,050,651	2,633,438	11,382,171	6,748,271	90,140,216	151,535,091
Convertible Bonds	0	0	3,390,953	7,028,266	1,782,014	3,467,791	0	257,476,308	273,145,332
Preferred Stock	0	0	540,525	3,061,581	663,300	0	0	0	4,265,406
Convertible Preferred Stock	0	0	0	0	0	0	0	42,546,318	42,546,318
U.S. Corporate Bonds	1,235,988	7,969,938	54,660,326	137,248,789	38,348,562	23,986,077	3,827,657	16,387,036	283,664,372
International Securities	932,018	2,937,435	20,287,082	55,188,390	22,678,822	7,753,309	968,947	43,422,414	154,168,416
Emerging Market	0	0	3,556,377	12,131,808	4,062,697	764,002	525,813	5,124,893	26,165,590
Global Collateralized Obligations	932,018	0	478,956	7,051,198	918,599	0	0	9,055,767	18,436,538
Global Government Fixed	0	1,062,840	776,772	435,000	182,500	0	0	0	2,457,112
Global Convertible Bonds	0	0	0	0	4,886,138	0	0	19,029,025	23,915,162
Global Corporate Bonds	0	1,874,596	15,474,976	35,570,384	12,628,889	6,989,307	443,134	10,212,729	83,194,014
Floating Rate Fund	0	0	0	0	0	0	0	15,952,803	15,952,803
Core Plus Bond Fund	0	0	0	0	0	0	0	544,934,658	544,934,658
Commercial Loans	0	0	0	0	2,984,067	5,609,547	0	1,674,916	10,268,530
Municipal Bonds	0	2,059,775	300,619	0	0	0	0	0	2,360,394
Co-Mingled Funds	0	0	0	0	0	0	0	35,526,910	35,526,910
High Yield Income Fund	0	0	0	0	0	0	0	59,723,195	59,723,195
Grand Total	\$ 329,216,125	20,877,650	82,448,937	208,164,544	69,090,202	52,198,894	11,544,875	1,109,959,023	\$ 1,883,500,250

S&P Credit Ratings	AAA	AA	А	ВВВ	ВВ	В	CCC or below	Not Rated		Base Market Value
Government Securities	\$ 0	163,947,588	0	0	0	0	0	141,461,237	\$	305,408,825
U.S. Government Securities	0	19,096,977	0	0	0	0	0	137,700,122		156,797,099
Agency CMO	0	38,987,088	0	0	0	0	0	3,988,533		42,975,622
Agency Pooled	0	105,863,522	0	0	0	0	0	0		105,863,522
U.S. Fixed Futures	0	0	0	0	0	0	0	(227,418)		(227,418)
Corporate Securities	28,819,042	8,315,711	66,751,667	175,488,699	47,939,259	44,790,533	19,858,734	363,192,873		755,156,519
Collateralized Obligations	23,298,750	2,406,407	8,203,481	2,501,683	213,238	5,490,098	13,287,436	96,133,998		151,535,091
Convertible Bonds	0	0	5,852,187	7,341,882	11,213,181	20,292,852	3,467,791	224,977,439		273,145,332
Preferred Stock	0	0	0	3,602,106	663,300	0	0	0		4,265,406
Convertible Preferred Stock	0	0	0	6,244,763	0	0	0	36,301,555		42,546,318
U.S. Corporate Bonds	5,520,292	5,909,305	52,696,000	155,798,265	35,849,541	19,007,582	3,103,508	5,779,881		283,664,372
International Securities	0	2,824,589	21,395,617	55,620,069	22,616,148	8,673,274	1,039,406	41,999,313		154,168,416
Emerging Market	0	0	3,118,742	11,196,017	5,383,389	1,146,919	242,085	5,078,438		26,165,590
Global Collateralized Obligations	0	964,370	3,611,612	2,441,884	416,063	0	0	11,002,611		18,436,538
Global Government Fixed	0	1,062,840	0	435,000	182,500	0	0	776,772		2,457,112
Global Convertible Bonds	0	0	0	1,693,856	6,992,588	1,337,875	0	13,890,843		23,915,162
Global Corporate Bonds	0	797,379	14,665,263	39,853,313	9,641,609	6,188,480	797,321	11,250,649		83,194,014
Floating Rate Fund	0	0	0	0	0	0	0	15,952,803		15,952,803
Core Plus Bond Fund	0	0	0	0	0	0	0	544,934,658		544,934,658
Commercial Loans	0	0	0	324,782	4,007,097	5,936,651	0	0		10,268,530
Municipal Bonds	0	2,059,775	300,619	0	0	0	0	0		2,360,394
Co-Mingled Funds	0	0	0	0	0	0	0	35,526,910		35,526,910
High Yield Income Fund	0	0	0	0	0	0	0	59,723,195		59,723,195
Grand Total	\$ 28,819,042	177,147,662	88,447,903	231,433,551	74,562,504	59,400,458	20,898,140	1,202,790,990	\$ 1	1,883,500,250
Securities Lending Collateral	\$ 173,964,404	168,880,710	307,268,414	0	0	0	1,594,025	127,289,031\$		778,996,583

^{*}Figures are APERS and ASPRS combined. Totals may not add due to rounding.

Financial

Concentration of Credit Risk for Investments

The concentration of credit risk is the risk of loss attributed to the magnitude of the System's investment in a single issuer (not including investments issued or guaranteed by the U.S. government or investments in mutual funds or external investment pools). The System has a formal investment policy for concentration of credit risk. None of the System's investments in any one issuer (other than those issued or guaranteed by the U.S. government) represented more than 5% of total investments.

Interest Rate Risk for Investments

Interest rate risk is the risk that changes in interest rates will adversely affect the fair value of investments. Investments can be highly sensitive to changes in interest rates due to their terms or characteristics. Interest rate risk is the greatest risk faced by an investor in the debt securities market since the price of a debt security will often move in the opposite direction of the change in interest rates.

The System's external fixed income investment managers use the measurement of effective duration to mitigate the interest rate risk of the fixed income investments. Each fixed income investment manager monitors and reports the effective duration monthly. The effective duration of the investment portfolio is required to be +/- 10% of the benchmark's duration. The benchmark for the U.S. fixed income markets is the Barclays Capital U.S. Aggregate Bond Index.

As of June 30, 2020, the System had the following debt security investments and maturities (facing page):

Debt Security Investments and Maturities (as of June 30, 2020)*

Investment Type		Investment M	aturity (In Years)			
	Fair Value*	Less than 1	1-5	6 - 10	More than 10	Fund - No Maturities
Government Securities						
U.S. Government Securities	\$ 156,797,099	\$ 2,021,598	\$ 46,155,264	\$ 57,276,326	\$ 51,343,911	\$ 0
Agency CMO	42,975,622	0	0	3,988,533	38,987,088	0
Agency Pooled	105,863,522	1,919	0	8,286,189	97,575,413	0
U.S. Fixed Futures	(227,418)	(227,418)	0	0	0	0
Corporate Securities						
Collateralized Obligations	151,535,091	0	11,300,687	6,571,799	133,662,605	0
Convertible Bonds	273,145,332	5,967,035	187,501,861	68,595,177	11,081,259	0
U.S. Corporate Bonds	283,664,372	531,232	74,641,127	125,508,294	82,983,719	0
Preferred Stock	4,265,406	0	540,525	0	3,724,881	0
Convertible Preferred Stock	42,546,318	42,546,318	0	0	0	0
International Securities						
Emerging Market	26,165,590	202,100	6,258,607	11,300,527	8,404,355	0
Global Collateralized Obligations	18,436,538	0	0	6,322,078	12,114,460	0
Global Government Fixed	2,457,112	0	1,683,610	591,002	182,500	0
Global Convertible Bonds	23,915,162	1,693,856	14,247,334	6,190,060	1,783,912	0
Global Corporate Bonds	83,194,014	3,629,153	27,413,114	35,800,920	16,350,828	0
Floating Rate Fund	15,952,803	0	0	0	0	15,952,803
Core Plus Bond Fund	544,934,658	0	0	0	0	544,934,658
Commercial Loans	10,268,530	0	8,595,936	1,672,594	0	0
Municipal Bonds	2,360,394	0	152,983	0	2,207,410	0
Co-Mingled Funds	35,526,910	0	0	0	0	35,526,910
High Yield Income Fund	59,723,195	59,723,195	0	0	0	0
	\$ 1,883,500,250	\$ 116,088,988	\$ 378,491,048	\$332,103,499	\$460,402,343	\$596,414,371
Securities Lending Collateral						
Asset-Backed Securities	\$ 204,730,579	\$ 186,645,033	\$ 16,491,520	\$ 0	\$ 1,594,025	
Commercial Paper	169,067,795	169,067,795	0	0	0	
Floating Rate Notes	330,784,146	323,551,886	7,232,260	0	0	
Repo	74,201,404	74,201,404	0	0	0	
	\$ 778,783,923	\$ 753,466,118	\$ 23,723,780	\$ 0	\$ 1,594,025	

Foreign Currency Risk

Foreign currency risk is the risk that changes in exchange rates will adversely affect the fair value of an investment. The System's currency risk resides within the international equity investments as well as within the fixed income investments and the fixed income managers. The System's policy is to allow the external investment managers to decide what action to take regarding their respective portfolio's foreign currency exposure using currency forward contracts. The System has a formal investment policy for foreign currency risk which limits foreign currency exposure to 10% of the investment manager's respective portfolio.

The System's exposure to foreign currency risk on June 30, 2020, was as follows (next page):

^{*}Figures are APERS and ASPRS combined. Totals may not add due to rounding.

Foreign Currency Risk (as of June 30, 2020)*

Currency	%		Equities	Cash	Forv	vard Contracts		Fair Value
Australian Dollar	1.29%	\$	17,812,449	\$ 0	\$	0	\$	17,812,449
Brazilian Real	1.19		16,383,610	0		0		16,383,610
British Pound Sterling	12.74		175,353,594	8		(7,598)		175,346,004
Canadian Dollar	6.13		84,322,328	0		0		84,322,328
Chinese Yuan Renminbi	6.18		85,128,446			(103,379)		85,025,067
Danish Krone	1.65		22,642,814	3		0		22,642,817
Euro Currency	34.54		475,387,511	(189)		(39,749)		475,347,573
Hong Kong Dollar	2.74		37,670,059	0		0		37,670,059
Indian Ruphia	0.00		0	0		0		0
Israeli Shekel	1.22		16,798,945	0		0		16,798,945
Japanese Yen	12.08		166,206,014	18		37,120		166,243,151
Liberian Dollar	0.15		2,112,333	0		0		2,112,333
Malaysian Ringgit	0.00		0	0		0		0
Mauritian Rupee	0.09		1,230,380	0		0		1,230,380
Mexican New Peso	0.18		2,493,409	0		0		2,493,409
Norwegian Krone	0.27		3,649,420	4		0		3,649,424
New Zealand Dollar	0.48		6,542,444	0		0		6,542,444
Papua New Guinea Kina	0.00		0	0		0		0
Philippines Peso	0.00		0	0		0		0
Russian Ruble	0.00		0	0		0		0
Singapore Dollar	1.06		14,636,288	0		0		14,636,288
South African Rand	0.00		0	0		0		0
South Korean Won	4.69		64,488,216	0		0		64,488,216
Swedish Krone	2.31		31,819,169	0		0		31,819,169
Swiss Franc	9.42		129,678,292	(173)		(163)		129,677,956
Taiwan Dollar	1.32		18,129,945	0		0		18,129,945
Thailand Baht	0.27		3,726,572	 0		0		3,726,572
	100.00%	\$1	,376,212,238	\$ (330)	\$	(113,769)	\$1	,376,098,139

Asset-Backed Securities

Asset-backed securities (ABSs) are bonds or notes backed by loan paper or accounts receivable originated by banks, credit card companies, or other credit providers. The System's ability to recover the amount of principal invested in these securities depends on the performance and quality of the trust assets.

Mortgage-Backed Securities

A mortgage-backed security (MBS) is a type of asset-backed security that is secured by a mortgage or collection of mortgages. MBSs depend on the underlying pool of mortgage loans to provide cash flow to make principal and interest payments on the security to its holders. The payments are usually periodic, similar to coupon payments. MBSs are subject to credit risk, prepayment risk, and extension risk.

A collateralized mortgage obligation (CMO) is an MBS that comprises classes of bonds created by prioritizing

^{*}Figures are APERS and ASPRS combined. Totals may not add due to rounding.

the cash flows of the underlying mortgage pool. CMOs may be collateralized by whole-loan mortgages, mortgage pass-through securities, or stripped mortgage-backed securities.

The System invests in MBSs and CMOs for diversification and to enhance fixed income returns. These instruments are reported at fair value in the Statement of Fiduciary Net Position.

Corporate Bonds

Corporate bonds are a debt security issued by a corporation. The backing for the bond is usually the payment ability of the company, which is typically money to be earned from future operations.

Convertible Corporate Bonds

Convertible bonds convey an option to the bondholders to be exchanged for another asset, generally a fixed number of shares of common stock at a pre-stated price.

Pooled Funds

Pooled funds are funds from many individual investors that are aggregated for the purposes of investment and benefit from economies of scale. The System could be indirectly exposed to credit and market risks associated with forward currency contracts to the extent that these pooled funds hold forward currency contracts for purposes of managing exposure to fluctuations in foreign exchange rates. APERS and ASPRS have approximately \$87 million invested in international pooled funds.

Securities Lending

Arkansas Code Annotated § 24-2-602 and the Board's investment policy permit the System to participate in a securities lending program to augment investment income. The System lends its securities to brokers-dealers and other entities with a simultaneous agreement to return the collateral for the same securities in the future.

U.S. securities are loaned versus collateral valued at 101.24% of the market value of the securities plus any accrued interest for domestic loans. Non-U.S. securities are loaned versus collateral valued at 101.40% of the market value of the securities plus any accrued interest. Collateral is marked-to-market daily if price movements exceed certain minimal thresholds.

As of June 30, 2020, the cash collateral investments had an average weighted maturity of 28 days, whereas the weighted average loan maturity was 2 days. Investments with cash collateral were approximately \$780.7 million (market value).

Derivative Instruments

The System adheres to *GASB Statement No. 53: Accounting and Financial Reporting for Derivative Instruments*, which addresses the recognition, measurement, and disclosure of information regarding derivative instruments entered into by state and local governments.

Derivative instruments are financial contracts or agreements whose values depend on the values of one or more underlying assets, reference rates, or financial indexes. Derivative instruments include futures contracts, forward contracts, swap contracts, options contracts, and forward foreign currency exchange. APERS, through

its external investment managers, could hold such instruments.

APERS does comply with GASB No. 53 and will disclose its exposure to derivative instruments if there is exposure. APERS had no exposure to any GASB No. 53 Derivative Instruments at June 30, 2020.

Foreign Currency Forward Contracts

A foreign currency forward is a contractual agreement between two parties to pay or receive specific amounts of foreign currency at a future date in exchange for another currency at an agreed upon exchange rate. Forward commitments are not standardized and carry credit risk due to the possible nonperformance by one of the counterparties. The maximum potential loss is the aggregate face value in U.S. dollars at the time the contract was opened. These transactions are entered in order to hedge risks from foreign currency rate fluctuation and to facilitate trade settlement of foreign security transactions. Forwards carry foreign currency risk resulting from adverse fluctuations in foreign exchange rates.

Foreign Currency Forwards (as of June 30, 2020)*

	Pay	Receive	Notional Value	Market Value	Unrealized Gain/Loss
Swiss Franc	CHF	USD	\$ (33,958)	\$ (34,120)	\$ (163)
Chinese Yuan Renminbi	CNY	USD	(23,434,354)	(23,558,321)	(123,968)
Euro Currency	EUR	USD	(1,186,603)	(1,226,050)	(39,447)
British Pound	GBP	USD	(2,132,343)	(2,139,941)	(7,598)
Japanese Yen	JPY	USD	(6,475,974)	(6,438,854)	37,120
U.S. Dollar	USD	CNY	1,605,348	1,625,937	20,589
U.S. Dollar	USD	EUR	184,910	184,607	(303)
			\$ (31,472,974)	\$(31,586,742)	\$ (113,769)

Financial Futures

A financial future is an agreement to purchase or sell a specific amount of an asset at a specified delivery or maturity date for an agreed upon price. These derivative securities are used to improve yield, adjust duration of the portfolio, circumvent changes in interest rates, or to replicate an index. Futures contracts are standardized and traded on organized exchanges, thereby reducing credit risk.

Financial Futures (as of June 30, 2020)*

Futures Contracts	Expiration Notional Value				Fair Value	Unrealized Gain/(Loss)		
U.S. 2-year Treasury Note	Sept 2020	\$	51,880,156	\$	51,894,610	\$	14,453	
U.S. 5-year Treasury Note	Sept 2020		(19,301,771)	(19,364,297)		(62,526)	
U.S. 10-year Treasury Note	Sept 2020		(6,803,721)		(6,819,422)		(15,701)	
U.S. 10-year Ultra Treasury Note	Sept 2020		(36,181,831)	(36,378,891)		(197,060)	
U.S. Ultra Long Bond Treasury	Sept 2020		13,928,585		13,962,000		33,415	
		\$	3,521,418	\$	3,294,000	\$	(227,418)	

^{*}Figures are APERS and ASPRS combined. Totals may not add due to rounding.

Fair Value Measurements

The Arkansas Public Employees Retirement System categorizes their fair value measurements within the fair value hierarchy 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 of liabilities (Level 1 measurements) and the lower 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(s) on the following pages shows the fair value leveling of the investments for the System.

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, timberland, 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.

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

Investments and Derivative Instruments at Fair Value (as of June 30, 2020)

U.S. Domestic Equities \$ 2,710,967,507 \$ 2,710,967,507 \$ 0 \$	el 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Convertible Securities 303,014,577 35,991,778 267,022,799 Preferred Securities 2,950,440 0 2,950,440 International Equities 1,420,550,798 1,420,550,798 0 Lazard 0 0 0 Convertible Securities 24,266,996 1,216,898 23,050,098 Preferred Securities 24,734,073 23,573,950 1,160,124 Fixed Income 123,774,127 0 123,774,127 Loans/JV interest 1,298,884 0 0 0 Global Bond Fund 34,237,219 34,237,219 0 Infrastructure Fund 0 0 0 U.S. Government Securities 149,156,872 149,156,872 0 Futures (219,162) (219,162) 0	0 0 0 0 0 0 0 0 0,298,884
Preferred Securities 2,950,440 0 2,950,440 International Equities 1,420,550,798 1,420,550,798 0 Lazard 0 0 0 Convertible Securities 24,266,996 1,216,898 23,050,098 Preferred Securities 24,734,073 23,573,950 1,160,124 Fixed Income 123,774,127 0 123,774,127 Loans/JV interest 1,298,884 0 0 0 Domestic Fixed Income 0 0 0 0 Global Bond Fund 34,237,219 34,237,219 0 0 Infrastructure Fund 0 0 0 0 0 0 U.S. Government Securities 149,156,872 149,156,872 0 </td <td>0 0 0 0 0 0 0 0,298,884</td>	0 0 0 0 0 0 0 0,298,884
Preferred Securities 2,950,440 0 2,950,440 International Equities 1,420,550,798 1,420,550,798 0 Lazard 0 0 0 Convertible Securities 24,266,996 1,216,898 23,050,098 Preferred Securities 24,734,073 23,573,950 1,160,124 Fixed Income 123,774,127 0 123,774,127 Loans/JV interest 1,298,884 0 0 0 Domestic Fixed Income 0 0 0 0 Global Bond Fund 34,237,219 34,237,219 0 Infrastructure Fund 0 0 0 U.S. Government Securities 149,156,872 149,156,872 0 Futures (219,162) (219,162) 0	0 0 0 0 0 0 ,298,884
International Equities 1,420,550,798 1,420,550,798 0 Lazard 0 0 0 Convertible Securities 24,266,996 1,216,898 23,050,098 Preferred Securities 24,734,073 23,573,950 1,160,124 Fixed Income 123,774,127 0 123,774,127 Loans/JV interest 1,298,884 0 0 0 Domestic Fixed Income 0 0 0 0 Global Bond Fund 34,237,219 34,237,219 0 Infrastructure Fund 0 0 0 U.S. Government Securities 149,156,872 149,156,872 0 Futures (219,162) (219,162) 0	0 0 0 0 0 0 ,298,884
Convertible Securities 24,266,996 1,216,898 23,050,098 Preferred Securities 24,734,073 23,573,950 1,160,124 Fixed Income 123,774,127 0 123,774,127 Loans/JV interest 1,298,884 0 0 1 Domestic Fixed Income 0 0 0 0 Global Bond Fund 34,237,219 34,237,219 0 0 Infrastructure Fund 0 0 0 0 0 U.S. Government Securities 149,156,872 149,156,872 0 0 0 Futures (219,162) (219,162) 0 0 0 0	0 0 0 ,298,884
Preferred Securities 24,734,073 23,573,950 1,160,124 Fixed Income 123,774,127 0 123,774,127 Loans/JV interest 1,298,884 0 0 1 Domestic Fixed Income 0 0 0 0 Global Bond Fund 34,237,219 34,237,219 0 Infrastructure Fund 0 0 0 U.S. Government Securities 149,156,872 149,156,872 0 Futures (219,162) (219,162) 0	0 0 ,298,884 0
Preferred Securities 24,734,073 23,573,950 1,160,124 Fixed Income 123,774,127 0 123,774,127 Loans/JV interest 1,298,884 0 0 1 Domestic Fixed Income 0 0 0 0 Global Bond Fund 34,237,219 34,237,219 0 Infrastructure Fund 0 0 0 U.S. Government Securities 149,156,872 149,156,872 0 Futures (219,162) (219,162) 0	0 ,298,884 0
Fixed Income 123,774,127 0 123,774,127 Loans/JV interest 1,298,884 0 0 1 Domestic Fixed Income 0 0 0 0 Global Bond Fund 34,237,219 34,237,219 0 0 Infrastructure Fund 0 0 0 0 U.S. Government Securities 149,156,872 149,156,872 0 Futures (219,162) (219,162) 0	,298,884 0
Loans/JV interest 1,298,884 0 0 1 Domestic Fixed Income 0 0 0 0 Global Bond Fund 34,237,219 34,237,219 0 0 Infrastructure Fund 0 0 0 0 U.S. Government Securities 149,156,872 149,156,872 0 Futures (219,162) (219,162) 0	0
Domestic Fixed Income 0 0 0 Global Bond Fund 34,237,219 34,237,219 0 Infrastructure Fund 0 0 0 U.S. Government Securities 149,156,872 149,156,872 0 Futures (219,162) (219,162) 0	0
Global Bond Fund 34,237,219 34,237,219 0 Infrastructure Fund 0 0 0 U.S. Government Securities 149,156,872 149,156,872 0 Futures (219,162) (219,162) 0	Λ
Infrastructure Fund 0 0 0 U.S. Government Securities 149,156,872 149,156,872 0 Futures (219,162) (219,162) 0	0
U.S. Government Securities 149,156,872 149,156,872 0 Futures (219,162) (219,162) 0	0
Futures (219,162) (219,162) 0	0
	0
	0
Corporate Bonds 1,160,490,374 0 1,160,490,374	0
	,596,880
	,895,764
φ σ,σ,σ,σ,σ,σ,σ,σ,σ,σ,σ,σ,σ,σ,σ,σ,σ,σ,σ,	,000,70.
Securities Lending Collateral Investments at Fair Value	
Repo \$ 71,507,759 \$ 0 \$ 71,507,759 \$	0
Commercial Paper 162,930,330 0 162,930,330	0
Floating Rate Notes 318,776,086 0 318,776,086	0
Asset Backed Floating Securities 197,298,490 0 197,298,490	0
Total Securities Lending Collateral 750,512,665 0 750,512,665	0
Total Investments at Fair Value \$ 6,729,705,939 \$ 4,390,849,548 \$ 2,328,960,627 \$ 9	,895,764
Investments at the Net Asset Value (NAV)	
High Yield Core Fund \$ 9,595,892	
Defensive Bond Fund 47,959,243	
Domestic Equity Index Funds 281,713,279	
Core Plus Bond Fund 525,152,549	
Timberland 81,621,250	
Global Energy Plus Fund 97,370,766	
Global Equity Pooled Funds	
MCM REIT Index 96,917,920	
MCM ACWI ex-US Index 730,762,346	
Real Estate	
Invesco Core 451,884,561	
Heitman Core 289,041,974	
Heitman Value Add 32,458,312	
TA Fund X 3,272,229	
TA Fund XI 48,297,173	
TA Fund XII 5,850,461	
LaSalle Fund Fund VI 9,745,478	
LaSalle Fund Fund VII 34,216,364	
Diversified Strategies	
AQR Global Risk Premium 131,908,926	
Newton Global Real Return 120,579,433	
Blackstone 176,633,957	
Total Investments at the NAV \$ 3,174,982,113	
7 3,177,302,113	

Investments classified as level 1 in the preceding table are exchange-traded securities whose values are based on published market prices and quotations from either national security exchanges or active markets for those securities.

Investments classified as level 2 in the preceding table include publicly traded debt securities and exchange traded stocks in inactive markets. Investments in this category are sourced from reputable pricing vendors using pricing matrix models and techniques. Matrix pricing is used to value securities based on the securities' relationship to benchmark quoted prices. Fair value is defined as the quoted market value on the last trading day of the period. These prices are obtained from various pricing sources by APERS custodian bank which maintains the book of record for all investments.

Investments classified as level 3 in the preceding table are unobservable, meaning that the assets lack an independent pricing source. Values are provided by the investment manager or an external pricing source such as an independent appraiser.

Investments Measured at the Net Asset Value (NAV)

The fair value of investments that are organized as commingled funds or limited partnerships have no readily ascertainable fair value. The value is determined by using the net asset value per share or its equivalent. Commingled fund values are based on each investor's proportionate share of the total underlying assets in the fund less any liabilities for client withdrawals, investment purchases or other accrued expenses. Limited partnership values are based on the capital account balance the general partner reports at the end of each reporting period, adjusted by subsequent contributions, distributions, management fees, and changes in values of foreign currency and published market prices for certain securities. Even though the limited partnerships and commingled funds issue annual financial statements audited by independent auditors, the year-end for the state and these entities do not always agree. There are inherent uncertainties in estimating fair values for these types of investments, and it is possible that the estimates will change in the near-term or the subsequent sale of assets will be different from the reported net asset value. With certain exceptions, mainly the equity and the fixed income funds, these investments cannot be redeemed, or, have certain restrictions regarding redemption. The real estate investments distributions are through the liquidation of the underlying assets or net operating cash flows. Each investment has a different redemption frequency and notice period as noted in the following table (facing page):

Financial

Investments Measured at the Net Asset Value (as of June 30, 2020)

	Fair Value	Strategy Type	Fund Life of Non-redeem- able Mandates	Unfunded Commitments	Redemption Frequency (if currently eligible)	Redemption Notice Period	Other Redemption Restrictions	Restriction Time Remaining
High Yield Core Fund	\$ 9,595,892	Active High Yield Fixed Income	N/A	\$ none	monthly	T + 3	N/A	N/A
Defensive Bond Fund	47,959,243	Income Oriented	l N/A	none	daily	T + 1	N/A	N/A
Domestic Equity Index Funds	281,713,279	9 S & P 500 Index	N/A	none	daily	T + 3	N/A	N/A
Core Plus Bond Fund	525,152,549	Active Global Fixed Income	N/A	none	daily	T + 3	N/A	N/A
Timberland	81,621,250	Timber	N/A	none	none	N/A	N/A	partnership termi- nates in Decembe 2027
Global Energy Fund	97,370,766	Global Energy stocks	N/A	none	daily	T + 3	N/A	N/A
International Equity Poo	oled Funds							
MCM REIT Index	96,917,920	Global Real Es- tate securities	N/A	none	daily	T + 1	N/A	N/A
MCM ACWI ex-US Index	730,762,346	International Equities	N/A	none	daily	T + 1	N/A	N/A
Real Estate								
Invesco	451,884,561	L Core Real Estate	N/A	none	quarterly	T + 45	N/A	N/A
Heitman	289,041,974	1 Core Real Estate	N/A	none	quarterly	T + 90	N/A	N/A
Heitman Value Part- ners IV	32,458,312	Value Add Real Estate	N/A	39,788,531	7-year lock up	N/A	N/A	the lock up period starts on the day of the last capital call
TA Fund X	3,272,229	Value Add Real Estate	N/A	none	7-year lock up	N/A	N/A	currently in capita redistribution phase
TA Fund XI	48,297,173	Value Add Real Estate	N/A	none	7-year lock up	N/A	N/A	the lock up period starts on the day of the last capital call
TA Fund XII	5,850,461	Value Add Real Estate	N/A	65,049,629	7-year lock up	N/A	N/A	the lock up period starts on the day of the last capital call
LaSalle Fund Fund VI	9,745,478	Value Add Real Estate	N/A	1,376,712	7-year lock up	N/A	N/A	currently in capita redistribution phase
LaSalle Fund Fund VII	34,216,364	Value Add Real Estate	N/A	3,190,944	7-year lock up	N/A	N/A	starts on the day of the last capital call
Diversified Strategies								Can
AQR Global Risk Premium	131,908,926	6 Risk Premia	N/A	none	weekly and monthly	T + 2	N/A	N/A
Newton Global Real Return	120,579,433	Global Real Return	N/A	none	daily	T + 3	N/A	N/A
Blackstone	176,633,957	7 Fund of Funds	N/A	none	last day of each quarter	1yr; 2yrs; 3yrs; >3yrs	55% liquidity; then 20%; then 15%; then 10%	N/A
	\$ 3,174,982,11	_		\$ 108,029,104	_			

High Yield Core Fund

The High Yield Active Core philosophy is centered on the belief that the best risk-adjusted returns and, ultimately, the best absolute returns are generated by a strategy of yield capture and error avoidance.

Defensive Bond Fund

The investment objective is to exploit different sources of return available in high yield corporate securities in a way that generates risk-adjusted returns superior to those available from conventional high yield securities. The investment strategy is based on the assumption and observation that numerous market inefficiencies exist throughout the capital markets (particularly in the high yield bond markets) and that the prudent, active and systematic exploitation of these inefficiencies can generate returns consistent with these objectives.

Domestic Equity Index Funds

This is an S&P 500 Index fund.

Core Plus Bond Fund

The Core Plus Fixed Income Strategy seeks excess return from multiple sources, including sector allocation and subsector and security selection. Duration, yield curve, and currency positioning is moderate. The largest component of the Core Plus Fixed Income risk budget is allocated to portfolio strategies that have consistently generated the highest return for the lowest unit of risk over time, such as sector allocation and subsector security selection. The Core Plus Fixed Income portfolios may emphasize spread product in the sector allocation process and therefore may hold larger-than-benchmark allocations to corporate bonds, structured product, high yield bonds, and emerging markets debt. As a result, the strategy would likely outperform in a 'risk on' environment where corporate bonds, for example, are outperforming. The reverse would also likely be true. The Core Plus Fixed Income portfolios take an actively-managed, relative-value driven approach. The Strategy is expected to perform best in markets with excess spread dislocations that it can capitalize on through relative value trading.

Timberland

An objective of a timber investment is to provide the fund with diversification from traditional asset classes. The goal of the timber investment is to get a stable core-type return with very low or little volatility.

Global Energy Fund

The fund seeks to invest globally in opportunities found in the energy industry. The fund invests, both long and short, in the equity securities, and related instruments, of energy and energy related businesses, including companies that are not in the Benchmark, which are expected to outperform the energy sector as a whole.

International Equity Pooled Funds

• The MCM EB DV Non-SL REIT Index Fund — This REIT Index Fund seeks to match the performance and the characteristics of the Dow Jones U.S. Select REIT Index which tracks the performance of publicly traded REITs and REIT-like securities and designed to serve as a proxy for direct real estate investments.

- MCM ACWI ex-US Index The MSCI ACWI ex USA Index captures large and mid-cap representation across 22 of 23 Developed Markets (DM) countries (excluding the U.S.) and 24 Emerging Markets (EM) countries. With 2,166 constituents, the index covers approximately 85% of the global equity opportunity set outside the U.S.
- Fidelity Select International Strategy The Select International strategy utilizes a disciplined investment approach that capitalizes on fundamental research by combining qualitative stock selection with quantitative risk control. The available investment universe is comprised of stocks in Japan, the United Kingdom, Europe ex UK, and Asia Pacific ex Japan rated attractive by Fidelity's analysts. The strategy uses a quantitative model to match the regional weights of the portfolio to the index. This approach is designed to diversify specific risk, reduces tracking error and factor risk, and controls transaction costs.

Real Estate

This asset class provides diversification to the total portfolio and strives to reduce total fund volatility while also enhancing the total return of the portfolio. Real estate has a low, and in some cases, negative, correlation with other major investment asset classes. The following are the strategies that comprise the Real Estate asset class and are explained in greater detail:

- Invesco Core Real Estate (ICRE) The ICRE strategy is a portfolio of U.S. properties diversified by property type and geographic location, with an emphasis on attractive current income returns and the opportunity for both income and capital growth. It is based on top-down economic fundamentals combined with bottom-up local market intelligence.
- Heitman America Real Estate Trust (HART) The HART strategy creates a high-quality, low-risk
 portfolio of stabilized, income-producing assets diversified by property type and economic exposure
 through acquiring assets in infill locations within major metropolitan areas, focusing on strong site
 attributes such as proximity to amenities and transportation networks, and ensuring that assets are
 well constructed with features that will appeal to tenants over long periods of time.
- TA Realty Funds X, XI, and XII TA Realty has managed value-add, commingled real estate funds for approximately 30 years. They have investments in 35 markets, and 4 property types (office, industrial, multifamily, and retail). The firm has developed and refined a consistent approach focused on creating diversified real estate portfolios that can generate strong cash flow, benefit from an intensive asset management approach and result in the long-term creating of value of the life of the fund(s).
- LaSalle Funds VI and VII The Funds pursue non-core properties that exhibit strong fundamentals
 and are expected to generate both income and appreciation. The sectors that are focused on are
 office, multifamily, retail, industrial, and specialty.
- Heitman Value Partners IV ("HPV IV") is the fourth offering in Heitman's North American value-add series. It is a closed-end, commingled fund that will pursue a diverse set of real estate opportunities with value-added business plans. The objective is to provide investors with attractive risk-adjusted returns. The strategy seeks to benefit from Heitman's extensive research, real estate, and capital markets expertise to identify emerging investment opportunities and trends before they are fully appreciated by the broader market. The Fund will execute investment strategies that capitalize on those opportunities.

Diversified Strategies

This 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 following are the strategies that comprise the Diversified Strategies asset class and are explained in greater detail:

- Global Risk Premium Tactical Fund (GRPT) The AQR Global Risk Premium Tactical Fund seeks to efficiently deliver exposure to a broadly diversified set of global risk premia. In many institutional portfolios, equity risk is the predominant risk, a concentration driven by the need for high expected return that cannot be satisfied in a traditionally constrained, well-diversified portfolio. Rather than diversifying by capital, this strategy seeks to diversify based on risk across global equities, global nominal bonds, inflation sensitive assets, and credit/default related assets. Starting from this strategic risk-parity base, GRPT then employs modest tactical tilts across sub-sectors and across individual exposures, attempting to exploit temporary opportunities which may arise within markets. Following basic financial theory, AQR designed its Risk Parity strategies based on what they believe to be the most optimal liquid portfolio of global market betas, and AQR offers that same portfolio at various levels of leverage to target a desired amount of risk as approximated by ex-ante volatility. AQR's approach employs modest leverage to scale up a lower-risk, broadly-diversified portfolio.
- Newton Global Real Return (US\$) Newton's global real return US\$ strategy is an actively managed, unconstrained, multi-asset strategy, which aims to achieve a return of one-month USD LIBOR +4 % p.a. over rolling five-year periods. The strategy seeks to add value through security selection and asset type flexibility and it also has an emphasis on capital preservation. The strategy is long only, does not use leverage or short securities and is daily valued.
- Blackstone (Fund of Funds) The System hired Blackstone to manage a fund-of-funds strategy. As
 the name suggests Blackstone invests APERS funds in other hedge funds. The number of funds that
 APERS invests in varies on market conditions. The types of strategies that are contained within the
 APERS portfolio also vary. For full disclosure purposes on June 30 there were fundamental equity
 strategies, event driven strategies, fundamental credit strategies, credit trading strategies, distressed
 credit strategies, RMBS strategies, structured ABS strategies, multi-strat strategies, commodity
 strategies, macro rates strategies, thematic macro strategies, quantitative strategies, CTA strategies,
 and special situation strategies in the portfolio.

Note 4: Other Post-Employment Benefits

GASB Statement No. 75: Accounting and Financial Reporting by Employers for Post Employment Benefits Other Than Pensions, requires that OPEB expense of proprietary and fiduciary funds be recognized on the accrual basis in the fund financial statements. APERS is considered a fiduciary fund in the state-wide comprehensive annual financial report.

The 2020 charge of \$58,203 is a prorated amount from the Arkansas Department of Finance and Administration based on a state-wide actuarial study. The amount charged to APERS is based on budgeted employees of the agency. *The State of Arkansas 2020 Comprehensive Annual Financial Report* will contain the complete OPEB footnote required by GASB Statement No.75.

Note 5: Legally Required Reserves

By law, APERS must maintain reserve accounts showing the equity in the System's net position restricted for benefits. Significant reserve accounts and a brief description of those accounts are as follows:

- The Members' Deposit Account (MDA) represents members' contributions held in trust until member retirement, at which time contributions are transferred to the Retirement Reserve Account, described below.
- The MDA Interest Reserve Account represents the accumulated interest paid on the MDA held in trust until member retirement, at which time interest on member contributions is transferred to the Retirement Reserve Account, described below.
- The Employers' Accumulation Account accumulates employers' contributions to be used in providing
 the reserves required for transfer to the Retirement Reserve Account as members retire or become
 eligible for disability benefits.
- The Retirement Reserve Account is the account to which member contributions, interest on those contributions, and employer contributions are transferred upon member retirement.
- The Deferred Annuity Account is the amount set up to cover estimated retirement benefits to inactive vested members who are not currently receiving benefit payments.

As a by-product of achieving level contribution financing, actuarial accrued liabilities usually become increasingly well funded over a period of years. Funded ratios in the 70% to 90% range are common in public sector retirement plans.

The reserve strength of APERS remains strong both by absolute and relative measures. Sufficient assets were available to pay estimated retirement benefits applicable to retired individuals or beneficiaries currently receiving benefits and inactive vested individuals who are not currently receiving benefits.

Reserve Balances (as of June 30, 2020)*

Account	System Total
Members' Deposit Account	\$ 464,165,972
Members' Deposit Account Interest Reserve	89,346,264
Employer Accumulation Account	1,683,714,597
Retirement Reserve	5,883,564,444
Deferred Annuity	542,692,998
DROP Reserve	85,272,616
Delinquent Receivable Reserve	73
Refund Overpayment Receivable Reserve	351
Outlawed Warrants	80,515
Partial Purchase of Service Reserve	1,605
Dec 31, 2004 Accrued Liability Reserve	20,171,055
Petty Cash Reserve	 200
Total	\$ 8,769,010,690

^{*}Before recommended actuarial transfers. Totals may not add due to rounding.

Note 6: Net Pension Liability

Net Pension Liability (as of June 30, 2020)

	Fiscal 2020	Fiscal 2019
Total pension liability	\$ 11,632,595,177	\$ 11,245,856,457
Plan fiduciary net position	\$ 8,769,010,690	\$ 8,833,327,660
Net pension liability	\$ 2,863,584,487	\$ 2,412,528,797
Plan fiduciary net position as a percentage of total pension liability	75.38%	78.55%

Long-Term Expected Return on Plan Assets

The System's policy in regard to the allocation of its invested assets was established by the Board and is reviewed at least annually to determine if the asset allocation is consistent with an acceptable level of risk and volatility.

The long-term expected rate of return on pension plan investments was determined using a building block method in which best-estimate ranges of expected future real rates of return 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 current asset allocation percentage and by adding expected price inflation. Best estimates of arithmetic real rates of return for the 10-year period from 2020 to 2029 were based upon capital market assumptions provided by the System's investment consultant. For each major asset class that is included in the pension plan's current asset allocation as of June 30, 2020, these best estimates are summarized in the following table:

Long-Term Expected Return on Plan Assets by Class (as of June 30, 2020)

Asset Class	Current Allocation	Long-Term Expected Real Rate of Return
Broad Domestic Equity	37%	6.22%
International Equity	24	6.69
Real Estate	16	4.81
Absolute Return	5	3.05
Domestic Fixed	18	0.57
Total	100%	
Total Real Rate of Return		4.93%
Plus: Price Inflation - Actuary's Assumption		2.50
Less: Investment Expenses (Passive)		0.00
Net Expected Return		7.43%

Discount Rate

A single discount rate of 7.15% was used to measure the total pension liability. This single discount rate was based on the expected rate of return on pension plan investments of 7.15%. The projection of cash flows used to determine this single discount rate assumed that plan member contributions will be made at the current contribution rate and that employer contributions will be made at rates equal to the difference between actuarially determined contribution rates and the member rate. Based on these assumptions, the pension plan's fiduciary net position was projected to be available to make all projected future benefit payments of current plan members. Therefore, the long-term expected rate of return on pension plan investments was applied to all periods of projected benefit payments to determine the total pension liability.

Sensitivity of the Net Pension Liability

Regarding the sensitivity of the net pension liability to changes in the single discount rate, the following presents the plan's net pension liability, calculated using a single discount rate of 7.15%, as well as what the plan's net pension liability would be if it were calculated using a single discount rate that is 1-percentage-point lower or 1-percentage-point higher:

Sensitivity of the Net Pension Liability as of June 30, 2020

	1% Decrease	С	urrent Discount Rate	1% Increase
	6.15%		7.15%	8.15%
APERS	\$ 4,361,451,033	\$	2,863,584,487	\$ 1,627,505,456

Note 7: Deferred Retirement Option Plan

A Deferred Retirement Option Plan (DROP) is available to members of the System as authorized by A.C.A. §§ 24-4-801 - 24-4-806. In lieu of terminating employment and accepting a retirement benefit under the System, any member who has at least 28 years of actual service in the System can elect to participate in the DROP. The DROP allows a member to defer the receipt of retirement benefits for a maximum of seven years. During that time, a percentage of a member's chosen benefit is deposited into an account that accrues interest at a rate of 2% annually. The System had a balance of \$85,272,616 in the DROP reserve as of June 30, 2020.

Note 8: Capital Assets

Capital Asset Activity for the Year Ended June 30, 2020

	Beginning Balance		Additions		tirements	Ending Balance		
Fixed Assets	\$	21,431,644	\$ 26,037	\$	25,293	\$	21,432,388	
Less Accumulated Depreciation		(4,873,210)	(2,178,514)		25,293		(7,026,431)	
Total	\$	16,558,434	\$ (2,152,477)	\$	0	\$	14,405,957	
								

REQUIRED SUPPLEMENTARY INFORMATION

The following data on historical trends indicate the System's progress in accumulating sufficient assets to pay benefits when due. It is required supplemental information.

Schedule of Employer Contributions

Employer Contributions in Millions for Fiscal Years Ended June 30

Fiscal Year Actual Ontribution Deficiency Contribution Covered (Excess) Covered Payroll Actual Contribution as a % of Covered Payroll 2011 \$ 197.6 \$ 197.6 \$ 0 \$ 1,626 12.15% 2012 231.4 231.4 0 1,689 13.70 2013 251.4 251.4 0 1,696 14.82 2014 264.1 264.1 0 1,748 15.11 2015 263.3 263.3 0 1,757 14.98 2016 264.2 264.2 0 1,795 14.72 2017 261.3 261.3 0 1,788 14.61 2018 276.3 276.3 0 1,849 14.94 2019 293.0 293.0 0 1,936 15.13 2020 \$ 298.9 \$ 298.9 \$ 0 \$ 1,929 15.49%		1/				-)								
2012 231.4 231.4 0 1,689 13.70 2013 251.4 251.4 0 1,696 14.82 2014 264.1 264.1 0 1,748 15.11 2015 263.3 263.3 0 1,757 14.98 2016 264.2 264.2 0 1,795 14.72 2017 261.3 261.3 0 1,788 14.61 2018 276.3 276.3 0 1,849 14.94 2019 293.0 293.0 0 1,936 15.13		Fiscal Year	D	etermined	Cor			Def	iciency				a % of Covered	
2013 251.4 251.4 0 1,696 14.82 2014 264.1 264.1 0 1,748 15.11 2015 263.3 263.3 0 1,757 14.98 2016 264.2 264.2 0 1,795 14.72 2017 261.3 261.3 0 1,788 14.61 2018 276.3 276.3 0 1,849 14.94 2019 293.0 293.0 0 1,936 15.13		2011	\$	197.6	\$	197.6		\$	0	\$	1,626		12.15%	
2014 264.1 264.1 0 1,748 15.11 2015 263.3 263.3 0 1,757 14.98 2016 264.2 264.2 0 1,795 14.72 2017 261.3 261.3 0 1,788 14.61 2018 276.3 276.3 0 1,849 14.94 2019 293.0 293.0 0 1,936 15.13		2012		231.4		231.4			0		1,689		13.70	
2015 263.3 263.3 0 1,757 14.98 2016 264.2 264.2 0 1,795 14.72 2017 261.3 261.3 0 1,788 14.61 2018 276.3 276.3 0 1,849 14.94 2019 293.0 293.0 0 1,936 15.13		2013		251.4		251.4			0		1,696		14.82	
2016 264.2 264.2 0 1,795 14.72 2017 261.3 261.3 0 1,788 14.61 2018 276.3 276.3 0 1,849 14.94 2019 293.0 293.0 0 1,936 15.13	-	2014		264.1		264.1			0		1,748		15.11	
2017 261.3 261.3 0 1,788 14.61 2018 276.3 276.3 0 1,849 14.94 2019 293.0 293.0 0 1,936 15.13		2015		263.3		263.3			0		1,757		14.98	
2018 276.3 276.3 0 1,849 14.94 2019 293.0 293.0 0 1,936 15.13	-	2016		264.2		264.2		***************************************	0		1,795		14.72	
2019 293.0 293.0 0 1,936 15.13		2017		261.3		261.3		_	0		1,788		14.61	
		2018		276.3		276.3			0		1,849		14.94	
2020 \$ 298.9 \$ 298.9 \$ 0 \$ 1,929 15.49%		2019		293.0		293.0			0		1,936		15.13	
	_	2020	\$	298.9	\$	298.9		\$	0	\$	1,929		15.49%	

^{*}Actual contributions are based on covered payroll at the time of the contribution. This payroll is not reported to the actuary.

The covered payroll shown on this page is the valuation payroll. Based upon the limitations of this schedule, the final column cannot be compared to the contribution rates actually charged to APERS participating employers.

Notes to Schedule of Contributions

Method and Assumptions used to determine Fiscal Year 2020 Contribution Rates:

Valuation Date June 30, 2018 (excluding District Judges)

June 30, 2019 (District Judges)

Actuarial Cost Method Entry Age Normal

Amortization Method Level Percentage of Payroll, Closed (Level Dollar, Closed for District

Judges New Plan and Paid Off Old Plan and District Judges Still Paying

Old Plan)

Remaining Amortization Period 26 years (7.6 years for District Judges New Plan/Paid Off Old Plan

and 16 years for District Judges Still Paying Old Plan)

Asset Valuation Method 4-Year smoothed market; 25% corridor (market value for Still Paying

Old Plan)

Inflation 3.25% wage inflation and 2.5% price inflation

Salary Increases 3.25% to 9.85% including inflation (3.25% to 6.96% including

inflation for District Judges)

Investment Rate of Return 7.15%

Retirement Age Experience-based table of rates that are specific to the type of

eligibility condition

Mortality Based on the RP-2006 Healthy Annuitant benefit weighted

generational mortality tables for males and females. Mortality rates are multiplied by 135% for males and 125% for females and are adjusted for fully generational mortality improvements using Scale

MP-2017

Notes and Other Information None

Schedule of the Net Pension Liability

Net Pension Liability for Fiscal Years Ended June 30

Fiscal Year	Total Pension Liability	Fiduciary Net Position	Net Pension Liability	Fiduciary Net Position as a % of Total Pension Liability	Co	overed Payroll	Net Pension Liability as a % of Covered Payroll
2014	\$ 8,950,456,656 \$	7,531,544,420 \$	1,418,912,236	84.15%	\$	1,748,350,136	81.16%
2015	9,391,975,712	7,550,242,341	1,841,733,371	80.39		1,757,056,813	104.82
2016	9,762,106,222	7,370,758,150	2,391,348,072	75.50		1,795,174,463	133.21
2017	10,612,937,270	8,028,796,790	2,584,140,480	75.65		1,788,074,570	144.52
2018	10,808,687,173	8,602,752,132	2,205,935,041	79.59		1,849,202,619	119.29
2019	11,245,856,457	8,833,327,660	2,412,528,797	78.55		1,936,042,263	124.61
2020	\$ 11,632,595,177 \$	8,769,010,690 \$	2,863,584,487	75.38%	\$	1,929,343,374	148.42%

Schedule of Investment Returns

Annual Money-Weighted Rate of Return Net of Investment Expense for Fiscal Years Ended June 30

Fiscal Year	Return
2014	18.97%
2015	2.28%
2016	(0.06)%
2017	11.89%
2018	9.90%
2019	5.31%
2020	2.00%

Schedule of Changes in Net Pension Liability and Related Ratios

Year Ended June 30		2020		2019
Total Pension Liability				
Service Cost	\$	198,416,559	\$	189,567,873
Interest		789,604,504		759,163,751
Benefit Changes		0		(62,984)
Differences Between Expected And Actual Experience		2,007,866		60,093,169
Assumption Changes		0		0
Benefit Payments, including refunds of employee contributions		(603,290,209)		(571,592,525)
Net Change In Total Pension Liability	\$	386,738,720	\$	437,169,284
Total Pension Liability, Beginning of Year	1	1,245,856,457	1	10,808,687,173
Total Pension Liability, End of Year (A)	\$ 1	1,632,595,177	\$1	11,245,856,457
iduciary Net Position				
Contributions - Employer	\$	298,919,954	\$	292,951,695
Contributions - Member		70,923,737		67,221,706
Net Investment Income		174,561,773		450,493,099
Benefit Payments, including refunds of employee contributions		(603,290,209)		(571,592,525)
Administrative Expense		(11,681,604)		(14,739,700)
Other Additions		6,249,379		6,241,253
Net Change In Fiduciary Net Position		(64,316,970)		230,575,528
Fiduciary Net Position, Beginning of Year	\$	8,833,327,660	\$	8,602,752,132
Fiduciary Net Position, End of Year (B)	\$	8,769,010,690	\$	8,833,327,660
Net Pension Liability, End of Year (A) - (B)	\$	2,863,584,487	\$	2,412,528,797
Fiduciary Net Position as a Percentage of the Total Pension Liability		75.38%		78.55%
Covered-Employee Payroll	\$	1,929,343,374	\$	1,936,042,263
Net Pension Liability as a Percentage of Covered-Employee Payroll		148.42%		124.61%

2018	2017	2016	2015	2014
\$ 181,557,602	\$ 174,663,657	\$ 169,112,934	\$ 168,811,990	\$ 160,924,334
745,846,405	719,134,258	692,210,941	682,217,546	658,535,986
0	0	0	0	0
(6,960,593)	62,849,281	2,912,566	(137,672,890)	(23,038,076)
(180,097,868)	416,146,405	0	192,273,597	214,798,742
 (544,595,643)	(521,962,553)	(494,105,931)	(464,111,187)	(424,003,992)
\$ 195,749,903	\$ 850,831,048	\$ 370,130,510	\$ 441,519,056	\$ 587,216,994
 10,612,937,270	9,762,106,222	9,391,975,712	8,950,456,656	8,363,239,662
\$ 10,808,687,173	\$ 10,612,937,270	\$ 9,762,106,222	\$ 9,391,975,712	\$ 8,950,456,656
\$ 276,282,425	\$ 261,334,560	\$ 264,216,252	\$ 263,332,831	\$ 264,050,160
63,430,545	57,711,427	55,000,117	50,750,458	47,215,843
782,326,766	862,824,701	(4,260,175)	168,929,698	1,207,897,156
(544,595,643)	(521,962,553)	(494,105,931)	(464,111,187)	(424,003,992)
(11,497,216)	(9,495,869)	(6,929,103)	(6,949,282)	(6,854,975)
8,008,465	7,626,374	6,594,649	6,745,403	8,302,355
 573,955,342	658,038,640	(179,484,191)	18,697,921	1,096,606,547
\$ 8,028,796,790	\$ 7,370,758,150	\$ 7,550,242,341	\$ 7,531,544,420	\$ 6,434,937,873
\$ 8,602,752,132	\$ 8,028,796,790	\$ 7,370,758,150	\$ 7,550,242,341	\$ 7,531,544,420
\$ 2,205,935,041	\$ 2,584,140,480	\$ 2,391,348,072	\$ 1,841,733,371	\$ 1,418,912,236
79.59%	75.65%	75.50%	80.39%	84.15%
\$ 1,849,202,619	\$ 1,788,074,570	\$ 1,795,174,463	\$ 1,757,056,813	\$ 1,748,350,136
119.29%	144.52%	133.21%	104.82%	81.16%

NOTES TO REQUIRED SUPPLEMENTARY INFORMATION

Schedule of Administrative Expenses (for the year ended June 30, 2020)

	2020	2019
Personnel Services		
Salaries and Wages	\$ 3,655,540	\$ 3,658,706
Employee Benefits	826,617	826,699
Insurance	408,240	413,280
Other	 4,357	 8,891
Total Personnel Services	4,894,754	4,907,576
Communications		
Postage	173,494	222,997
Telecommunications	62,436	73,099
Printing and Advertising	31,597	46,906
Freight and Express	549	253
Subscriptions and Publications	 8,049	 3,871
Total Communications	276,125	347,126
Purchases		
Office Supplies	 128,986	 92,039
Total Purchases	128,986	92,039
Services and Charges		
Professional Fees and Services	277,000	253,100
Rent Expense	804,495	858,565
Travel and Conference Fees	22,934	28,988
Taxes, Licenses and Permits	499	400
Repairing and Servicing	359,224	348,295
Insurance and Surety Bonds	7,812	4,999
Bank and Federal Service Charges	58,138	57,017
Other Services and Charges	83,174	 85,876
Total Services and Charges	1,613,277	1,637,239
Bad Debt Expense	65,265	716,682
Depreciation Expense	2,178,514	2,175,693
Post Employment Benefits	58,203	1,656,182
Data Processing Charges	 2,467,603	 3,207,163
Total Administrative Expenses	\$ 11,682,727	\$ 14,739,700

Schedule of Investment Expenses

Expenses for the Fiscal Years Ended June 30	2020			2019		
Investment Consultant Fee	\$	301,761		\$	301,085	
Money Manager Fees*		32,838,081		3	2,679,184	
Custodian Bank Fees		497,640			504,279	
Other Investment Expenses+		11,714,388		2	3,169,394	
Total Investment Expenses#	\$	45,351,870	:	\$ 5	6,653,942	

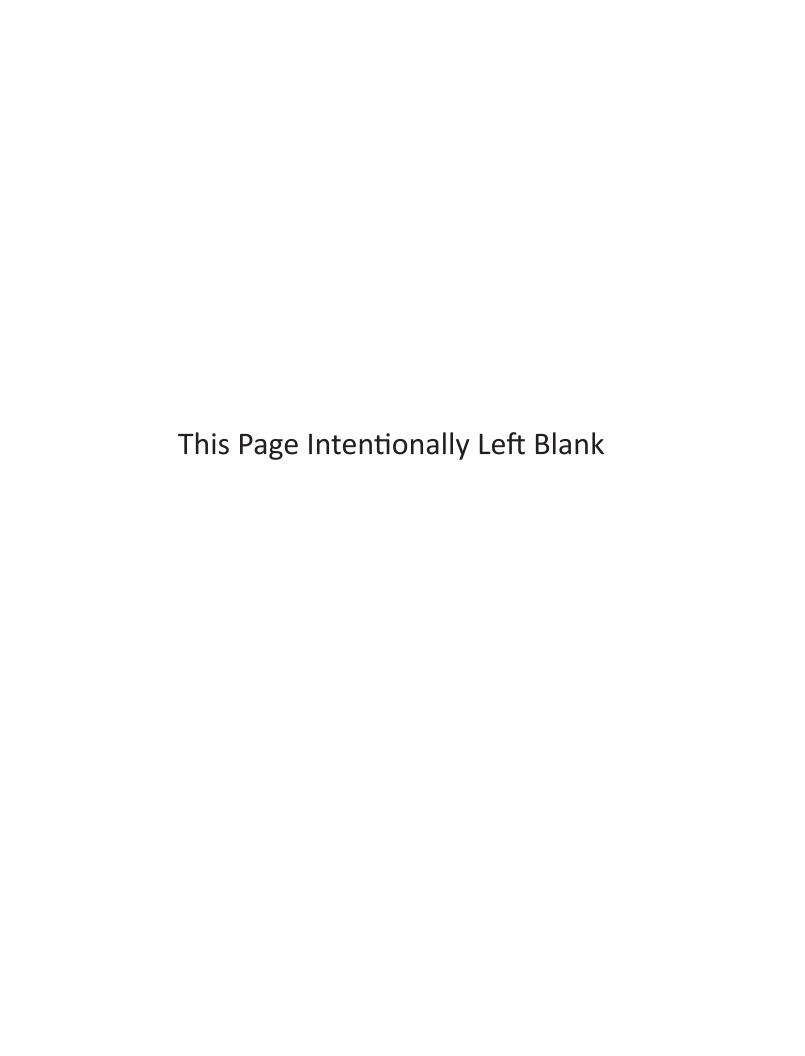
^{*}For fees paid to investment managers, please see the schedule of investment fees shown on page 74 in the Investments Section of this report.

Payments for Professional Consultants

Expenses for the Fiscal Years Ended June 30	2020	2019
Gabriel, Roeder, Smith & Company	\$ 277,000	\$ 253,100
Linea Solutions	0	1,082,390
Total	\$ 277,000	\$1,335,490

⁺Decrease due to smaller securities lending portfolio and expense.

#Total investment expenses include international withholding taxes, which are not included in the schedule of investment fees referenced above.



Investments Section

Chief Investment Officer's Report

Investment Consultant's Report

Investment Policy Summary
Review of Investment Policies
Asset Allocation
Actual vs Target allocation

Schedule of Manager Distribution

Portfolio Characteristics

Schedule of Comparative Investment Results by Year

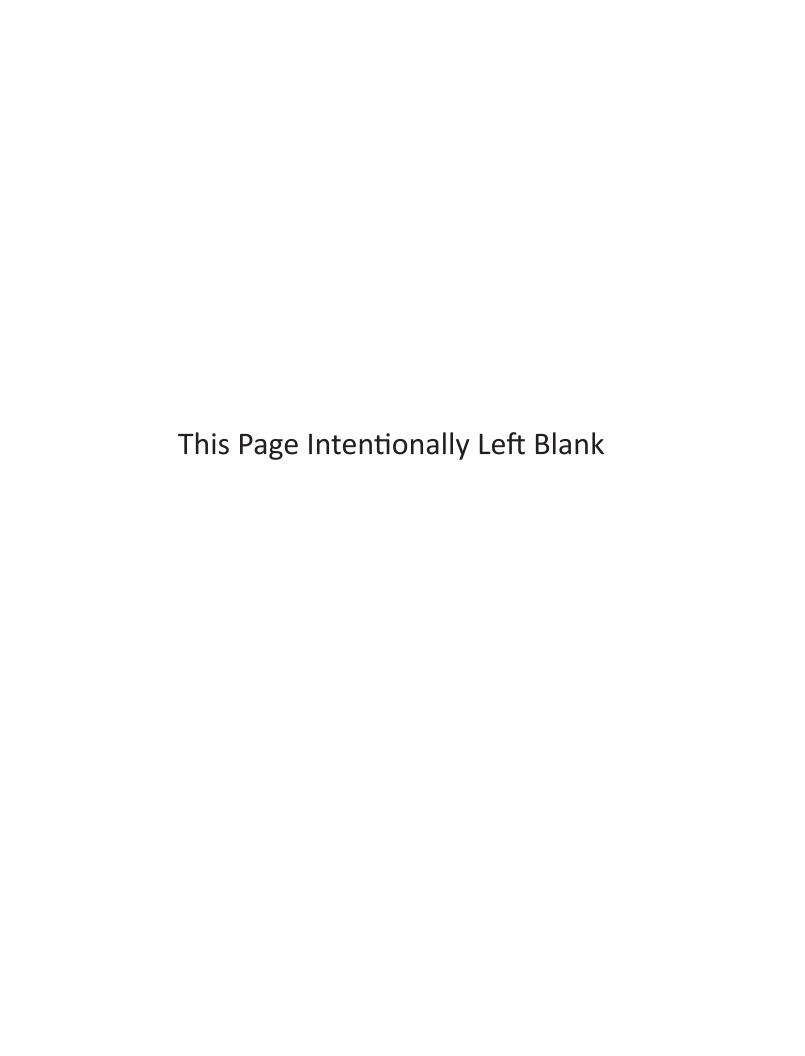
Schedule of Comparative Annualized Investment Results

Ten Largest Holdings

Schedule of Brokerage Commissions

Schedule of Investment Fees





CHIEF INVESTMENT OFFICER'S REPORT

Dear Members,

Oh behalf of the APERS Investment Department, it is my pleasure to present the Investment Section of the APERS Annual Financial Report for the fiscal year ended June 30, 2020.

Performance and Stability

For fiscal year 2020, the APERS investment portfolio closed with total investments and cash of \$9,025,426,027. The investment return for the fiscal year was 2.41%.

Positive performance in domestic equities and fixed income was able to overcome negative performance by international equities, diversified strategies, and real assets.

Domestic equities as an asset class contributed 6.06% to the performance of the investment fund. The Dow Jones was able to set a new high in February 2020, right before the Coronavirus COVID-19 pandemic caused the financial markets to tumble in March 2020. The markets were able to rebound and post a positive gain for the fund at the end of the fiscal year (June 2020.)

Diversified strategies turned in -1.17% of the total performance of the investment fund. Fixed income as an asset class contributed 6.81 to the total performance of the investment fund.

International equities and real assets posted returns of -1.45% and -4.37% respectively to the total performance of the fund.

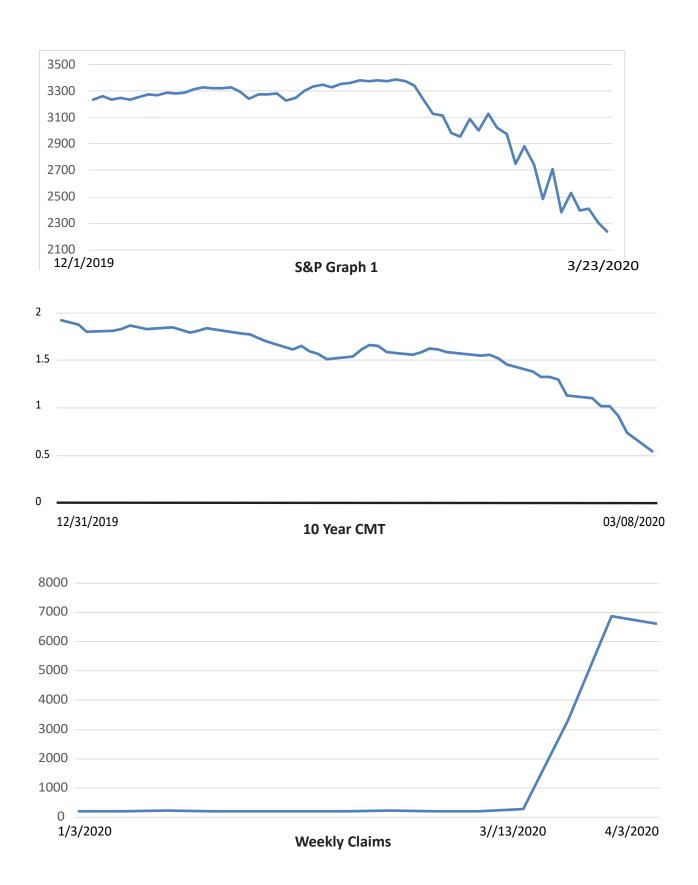
Fiscal Year 2020 Global Financial Market Recap

I normally would spend time recapping the first and second quarters of fiscal year 2020. I would point out that at the end of the 2019 fiscal year the portfolio was up 6.40%. As good it was to finish 2019 with a strong first half performance, fiscal year 2020 will be remembered for one thing, the Novel Coronavirus (COVID-19) pandemic which erased all gains for the financial markets in a matter of days.

On February 19, 2020 the S&P 500 Index set a new all-time high of 3,386. A month later, on March 23, 2020 the S&P 500 closed at 2,237. The index suffered a 33% peak-to-trough sell-off.

In response to the coronavirus economic disruption, the Federal Reserve announced two emergency rate cuts in the first quarter of 2020. U.S. Treasury interest rates plunged. To relieve the economic contraction fiscal policy stepped in, and Congress passed the CARES Act at the end of March. The fiscal support package totaled over \$2 trillion. It was an attempt to cushion the economic blow of the virus and the new social distancing policies. Oil prices plunged given the pandemic's economic disruption as well as a tit-for-tat price war between Saudi Arabia and Russia. The March non-farm payroll figure saw the U.S. labor markets lose 701,000 jobs, wiping out the jobs added in January and February. Worse was the record 6.6 million that filed for unemployment benefits in the week ending March 28.

They say a picture is worth a thousand words, the following graphs illustrate how the markets reacted in March to the COVID-19 pandemic.



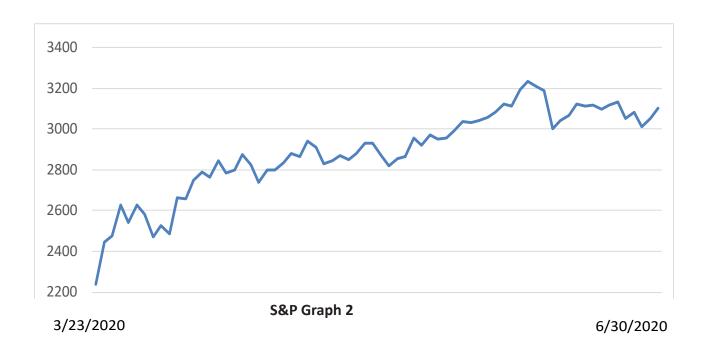
As the fourth quarter of the fiscal year began, the economic impact of COVID-19 could clearly be seen. In April 2020, 20.5 million non-farm payroll jobs were lost, the largest drop ever recorded. The unemployment rate reached 14.7% and more than 33 million Americans filed for unemployment claims. First quarter GDP contracted 5.0%, and second quarter GDP contracted 32.9%.

Those workers who were laid off in March and April started to come back in May as non-farm payrolls added 2.5 million jobs. In June the labor markets added 4.8 million jobs, and the unemployment rate nudged down to 11.1%. The fiscal year ended showing signs of easing pressure on the global markets. Retail sales grew a record 18%. Durable goods orders increased 16% in May. Housing got a boost from relatively low mortgage rates. Pending home sales were up 44%.

As rapidly as the global markets fell in March, they were able to reverse course. However, it took a tsunami of central bank support and fiscal stimulus to fuel confidence and inject liquidity into the markets. The U.S. Federal Reserve cut rates to zero, commenced QE (quantitative easing), instituted multiple facilities to backstop money markets, credit markets, and therefore the economy. Total fiscal stimulus approached \$3 trillion, which was nearly 14% of U.S. GDP. Speculation of a "V-shaped" recovery started to be discussed.

However, I will issue a disclaimer as well as a warning. The positive performance was concentrated. Five stocks represent a bulk of the S&P's return. Jobless claims continued to hover around 1.5 million people per week with those receiving state benefits at around 18 million. There are still certain segments of the economy that have not participated in the strong rebound and are likely to be impacted for a prolonged period. Hotels, restaurants, airlines, and many small businesses have been among the hardest hit.

As a result, the S&P 500 posted its best quarter since 1998 with a 20.5% return, nearly erasing its first quarter loss.



Any economic recovery will be uncertain as COVID-19 infections continue at an alarming rate. Business reopenings may be reversed. The upcoming 2021 fiscal year will be choppy.

I would like to thank each of our Trustees, the ultimate fiduciaries of APERS. APERS' staff is committed to placing the system in the best position to continue to face the challenges of the global financial markets and to ensure that the APERS assets are positioned to provide long-term financial stability for you, the members.

Respectfully yours,

Carlos Borromeo

Chief Investment Officer

INVESTMENT CONSULTANT'S REPORT



Callan LLC 120 North LaSalle Street Suite 2400 Chicago, IL 60602



October 2, 2020

Dear Trustees:

We are pleased to provide a brief review of the progress of the APERS Retirement Plan for the fiscal year ending June 30, 2020.

Introduction and Background

As with all retirement plans, there are three factors which influence performance:

- Manager Investment Strategies
- · Investment Policy adopted by the Fund
- The Investment Environment

During the fiscal year ending June 30, 2020, asset class returns were mixed. The Russell 3000 Index, a broad-based U.S. equity index, returned 6.53% for the year while the MSCI EAFE Index, an international equity index, was down 5.13%. Fixed income markets, as measured by the Bloomberg Aggregate Index, added 8.74% during the fiscal year. The real estate market, as measured by the NCREIF Total Index, was up 2.69%.

Fund Progress and Results

The APERS portfolio structure is based on the Fund's Investment Policy. The target asset mix is established based on an analysis of the financial needs of the Fund and the Trustees' tolerance for investment risk. The target asset mix and the actual allocation as of June 30, 2020, are listed below:

<u>Target</u>	<u>Actual</u>
37%	40%
24%	24%
18%	17%
5%	5%
16%	14%
	37% 24% 18% 5%

For fiscal year ended June 30, 2020, the total fund rate of return, including gains, losses and income was 2.41%. The performance calculations presented above were prepared by Callan LLC using a time-weighted rate of return methodology based upon the market value of assets and are GIPS compliant.

Over the past five years, the Fund has had an annualized return of 6.11%. The return was below the actuarially assumed interest rate of 7.15%.

Callan

At the beginning of the fiscal year, the assets of the fund totaled \$9.2 billion; at June 30, 2020, the Fund assets totaled \$9.1 billion. The Fund experienced a decrease in value, despite positive investment returns, due to benefit payments distributed during the fiscal year.

Summary

The operations of the investment program continue to function within the long-term guidelines established by the Board of Trustees.

Sincerely,

Brianne R. Weymouth, CAIA Senior Vice President

B. Wymouth

INVESTMENT POLICY SUMMARY

The investment objective of the Arkansas Public Employees Retirement System (APERS) shall be to

- 1. Protect the APERS fund (the fund) so that its assets are preserved for providing benefits to participants and their beneficiaries, and
- 2. Maximize total return either in the form of income or capital appreciation or both in a manner that is consistent with prudent risk taking on the amounts available to provide such benefits.

For this purpose, short-term fluctuations in value shall be considered secondary to long-term investment results. The long-term return objective for the fund shall be to achieve a real rate of return of 4.5%. This is the return over the rate of inflation (as measured by the Consumer Price Index). This objective is not to be a goal from year to year but is intended as a long-term guideline to those involved in investing the fund's assets.

An additional overall investment objective will be to achieve a total fund return of at least the actuarial rate of 7.15%. The investments of the fund shall be so diversified as to minimize the risk of large losses, unless under particular circumstances it is clearly prudent not to do so. Investments will be further diversified by hiring an appropriate number of managers whose investment styles are varied enough to provide a balance to the overall risk of the fund.

Review of Investment Process

- 1. On a timely basis, at least twice a year, the Board will review actual results achieved by the investment managers (with a perspective toward a three to five-year period or a peak-to-peak or trough-to-trough market cycle) to determine whether their performance
 - a. followed APERS' investment philosophy and policy guidelines,
 - b. achieved the investment objectives, and
 - c. compared satisfactorily with the performance of other similarly managed funds.
- 2. In addition to reviewing each investment manager's results, the Board will periodically reevaluate its progress in achieving its objectives for the total fund and its equity, fixed-income, and international equity segments.
- 3. The periodic re-evaluation will also consider the continuing appropriateness of
 - a. the manager structure,
 - b. the allocation of assets among the managers, and
 - c. the investment objectives for the fund's assets.
- 4. The Board may appoint investment consultants to assist in the ongoing evaluation process. The consultants selected by the Board are expected to be familiar with the investment practices of other similar retirement plans and will be responsible for suggesting appropriate changes in the fund's investment program over time.

Asset Allocation

In order to ensure that the System's investments are prudently diversified, the Board has established the following asset allocation on guidelines:

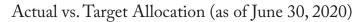
Asset Allocation Guidelines

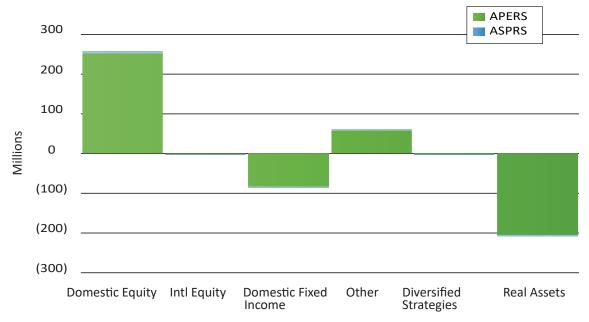
Asset Type	Allocation Target	Lower and Upper Limits
Equities	37%	32% - 42%
International Equities	24%	19% - 29%
Fixed Income	18%	13% - 23%
Diversified Strategies	5%	0% - 10%
Real Assets	16%	11% - 21%
	100%	

Actual vs. Target Allocation (as of June 30, 2020)

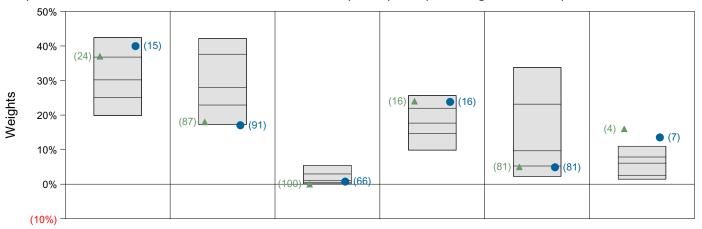
Asset Class	\$\$\$ Actual	\$\$\$ APERS	Weight Actual	Target	% Difference	\$\$\$ Difference	APERS \$\$\$ Difference
Domestic Equity	\$ 3,632,992	\$ 3,501,108	40.0%	37.0%	3.0%	\$ 268,397	\$ 258,654
Int'l Equity	\$ 2,165,607	\$ 2,086,992	23.8%	24.0%	(0.2)%	\$ (16,832)	\$ (16,221)
Domestic Fixed Income	\$ 1,550,524	\$ 1,494,237	17.1%	18.0%	(0.9)%	\$ (86,306)	\$ (83,173)
Other	\$ 68,072	\$ 65,601	0.7%	0.0%	0.7%	\$ 68,072	\$ 65,601
Diversified Strategies	\$ 445,287	\$ 429,122	4.9%	5.0%	(0.1)%	\$ (9,388)	\$ (9,047)
Real Assets	\$ 1,231,016	\$ 1,186,328	13.5%	16.0%	(2.5)%	\$(223,943)	\$ (215,813)
Total	\$ 9,093,498	\$ 8,763,388	100.0%	100.0%			

Asset Class	\$\$\$ Actual	\$\$\$ ASPRS	Weight Actual	Target	% Difference	\$\$\$ Difference	ASPRS \$\$\$ Difference
Domestic Equity	\$ 3,632,992	\$ 131,884	40.0%	37.0%	3.0%	\$ 268,397	\$ 9,743
Int'l Equity	\$ 2,165,607	\$ 78,615	23.8%	24.0%	(0.2)%	\$ (16,832)	\$ (611)
Domestic Fixed Income	\$ 1,550,524	\$ 56,287	17.1%	18.0%	(0.9)%	\$ (86,306)	\$ (3,133)
Other	\$ 68,072	\$ 2,471	0.7%	0.0%	0.7%	\$ 68,072	\$ 2,471
Diversified Strategies	\$ 445,287	\$ 16,165	4.9%	5.0%	(0.1)%	\$ (9,388)	\$ (341)
Real Assets	\$ 1,231,016	\$ 44,688	13.5%	16.0%	(2.5)%	\$(223,943)	\$ (8,130)
Total	\$ 9,093,498	\$ 330,110	100.0%	100.0%			





The illustration below shows the average percentage of asset allocations by asset type for the Public Plan Sponsor Database. Due to different asset allocations of public plans, percentages will not equal 100%.



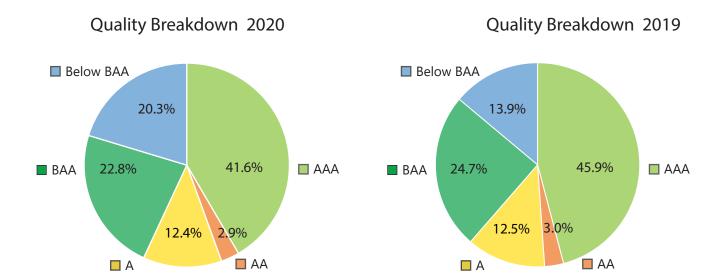
	Domestic Equity	Domestic Fixed-Income	in house	Intl Equity	Other Alternatives	Real Assets
10th Percentile	42.44	42.19	5.47	25.66	33.75	10.98
25th Percentile	36.78	37.61	2.96	21.99	23.16	7.86
Median	30.18	28.00	1.10	17.68	9.66	6.09
75th Percentile	25.01	22.91	0.50	14.66	5.26	2.59
90th Percentile	19.88	17.22	0.08	9.86	2.27	1.44
Fund	39.95	17.05	0.75	23.81	4.90	13.54
▲Target	37.00	18.00	0.00	24.00	5.00	16.00
% Group Invested	97.83%	98.55%	79.09%	97.10%	39.44%	23.19%

SCHEDULE OF MANAGER DISTRIBUTION (for the year ended June 30, 2020)

Asset Allocation	Λ	larket Value	% of Total	APERS		ASPRS	
Domestic Equity							
MCM S&P 500 Index Fund	\$	292,325,246	3.21%	\$	281,713,314	\$	10,611,933
LSV Asset Management		196,177,983	2.16		189,056,369		7,121,614
CastleArk Management		662,166,664	7.28		638,128,822		24,037,842
Golden Capital Management		219,966,493	2.42		211,981,313		7,985,180
INTECH		592,661,269	6.52		571,146,598		21,514,671
Wellington Management Co.		402,828,210	4.43		388,204,821		14,623,389
Westwood Management		0	0.00		0		0
Lazard Asset Management		386,109,165	4.25		372,092,708		14,016,458
SSI Investment Management		351,447,432	3.86		338,689,258		12,758,174
Horrell Capital Management		132,022,663	1.45		127,230,003		4,792,660
Stephens Investment Management Group		397,286,460	4.37		382,864,247		14,422,214
	\$:	3,632,991,587	39.95%	\$	3,501,107,453	\$	131,884,134
International Equity							
Mellon ACWI ex-US Fund	\$	758,289,684	8.34%	\$	730,762,403	\$	27,527,280
Lazard Asset Management		454,065,772	4.99		437,582,367		16,483,405
Artisan Partners		425,212,019	4.68		409,776,058		15,435,962
Baillie Gifford		527,752,854	5.80		508,594,475		19,158,379
Manning & Napier		286,869	0.00		276,455		10,414
Fidelity		, 0	0.00		0		0
,	\$:	2,165,607,198	23.81%	\$	2,086,991,759	\$	78,615,439
Fixed Income	·			•	, , ,	·	, ,
Doubleline Capital	\$	479,486,950	5.27%	\$	462,080,710	\$	17,406,239
MacKay Shields	7	526,102,200	5.79	*	507,003,743	7	19,098,457
Prudential Investments		544,934,658	5.99		525,152,549		19,782,109
	\$	1,550,523,807	17.05%	\$	1,494,237,002	\$	56,286,805
Real Assets							
INVESCO Real Estate	\$	472,768,790	5.20%	\$	455,606,432	\$	17,162,358
MCM REIT Index Fund		100,568,746	1.11		96,917,920		3,650,827
TA Associates Realty Fund X		3,395,491	0.04		3,272,229		123,262
TA Associates Realty Fund XI		50,116,492	0.55		48,297,173		1,819,319
TA Associates Realty Fund XII		6,070,844	0.07		5,850,461		220,383
CastleArk Management		33,132,705	0.36		31,929,928		1,202,777
CastleArk Management Global Energy Fund		101,038,651	1.11		97,370,766		3,667,885
Pinnacle Forest Investments		84,695,862	0.93		81,621,250		3,074,612
Heitman Real Estate Trust LP		299,929,972	3.30		289,041,974		10,887,998
Heitman Value Partners		33,680,993	0.37		32,458,312		1,222,681
LaSalle Inc & Growth VI LP		10,112,583	0.11		9,745,478		367,105
LaSalle Inc & Growth VII LP		35,505,269	0.39		34,216,364		1,288,905
	\$	1,231,016,399	13.54%	\$	1,186,328,287	\$	44,688,111
Diversified Strategies				·			
AQR Capital	\$	136,877,838	1.51%	\$	131,908,926	\$	4,968,912
Blackstone Hedge	7	183,287,628	2.02	r	176,633,957	7	6,653,671
Newton Capital		125,121,572	1.38		120,579,433		4,542,138
- 1011 Capton	\$	445,287,037	4.90%	\$	429,122,316	\$	16,164,721
Short-term Investment Fund	\$	68,071,675	0.75%	\$	57,798,320	\$	10,273,355
Composite Fund		9,093,497,703	100.00%	<u>ر</u> ۲	8,755,585,137	_	337,912,566
Composite runu	۲	J,UJJ, 4 J1,7UJ	100.00/0	ر 	0,733,303,137	ې	337,312,300

PORTFOLIO CHARACTERISTICS

Fiscal Years Ended June 30	2020	2019	
Selected Bond Characteristics			
Yield to Maturity (Market)	2.78%	3.15%	
Current Yield	3.09%	3.53%	
Average Coupon Rate	3.48%	3.73%	
Average Maturity	8.13 yrs.	7.41 yrs.	
Quality Breakdown			
AAA (includes Govts & Agencies)	41.6%	45.9%	
AA	2.9%	3.0%	
A	12.4%	12.5%	
BAA	22.8%	24.7%	
Below BAA	20.3%	13.9%	
Selected Stock Characteristics			
Average P/E Ratio	27.13x	23.8x	
Estimated Earnings Growth Rate (Next 5 Years)	12.35%	14.82%	
Current Yield	1.42%	1.52%	



Investments

SCHEDULE OF COMPARATIVE INVESTMENT RESULTS BY YEAR

Fiscal Years Ended	2020	2019	2018	2017	2016	2015	2014
Total Fund							
APERS	2.41%	5.78%	10.25%	12.30%	0.30%	2.45%	19.68%
Callan Total Public Fund Median	3.26	6.19	8.23	12.42	0.54	3.24	16.30
APERS Benchmark	4.91	6.68	8.40	12.90	0.27	2.77	17.37
Equities							
APERS	6.06%	8.12%	16.27%	17.52%	(0.38)%	7.25%	24.48%
Callan Total Equity Database Median	3.18	7.73	15.02	19.48	(1.58)	7.17	25.26
Russell 3000 Index	6.53	8.98	14.78	18.51	2.14	7.29	25.22
International Equities							
APERS	(1.45)%	1.98%	7.22%	18.39%	(6.88)%	(2.38)%	24.43%
Callan Total Non-U.S. Equities Database Median	(4.14)	0.57	8.05	20.86	(8.20)	(1.80)	23.34
MSCI-EAFE Index	(5.13)	1.08	6.84	20.27	(10.16)	(4.22)	23.57
Fixed Income							
APERS	6.81%	8.57%	0.79%	3.04%	5.06%	1.32%	7.03%
Callan Total Fixed Income Database Median	6.93	7.34	0.26	1.16	4.48	1.59	5.54
Bloomberg Aggregate Index	8.74	7.87	(0.40)	(0.31)	6.00	1.86	4.37
Diversified Strategies							
APERS	(1.17)%	10.20%	6.43%	5.51%	2.86%	1.97%	13.91%
Callan Int'l/Global Balanced Database Median	0.55	2.31	6.53	7.54	(1.73)	0.59	13.59
Real Assets							
APERS	(4.37)%	1.72%	11.34%	3.27%	8.29%	0.19%	14.51%
Consumer Price Index - U + 4%	4.65	5.65	6.87	5.63	5.01	4.13	6.07

SCHEDULE OF COMPARATIVE ANNUALIZED INVESTMENT RESULTS

Investment Results for Fiscal Year Ended June 30, 2020 and the Preceding 3 and 5 Year Periods*

Investment results for risear rear Enaca sune 30, 2020	2020	3-Year Annualized	5-Year Annualized
Total Fund			
APERS	2.41%	6.10%	6.11%
Callan Total Public Fund Median	3.26	5.81	6.02
Inflation (Consumer Price Index)	1.65	1.72	1.56
APERS Benchmark	4.91	6.65	6.55
Equities			
APERS	6.06%	10.06%	9.32%
Callan Total Equity Database Median	3.18	8.70	8.88
Russell 3000 Index	6.53	10.04	10.03
International Equities			
APERS	(1.45)%	2.52%	3.50%
Callan Total Non-U.S. Equities Database Median	(4.14)	1.53	2.92
MSCI-EAFE Index	(5.13)	0.81	2.05
Fixed Income			
APERS	6.81%	5.34%	4.82%
Callan Total Fixed Income Database Median	6.93	4.89	4.31
Bloomberg Aggregate Index	8.74	5.32	4.30
Diversified Strategies			
APERS	(1.17)%	5.04%	4.69%
Callan International/Global Balanced Database Median	0.55	3.07	3.81
Real Assets			
APERS	(4.37)%	2.69%	3.91%
Consumer Price Index - U + 4%	4.65	5.72	5.56

^{*}Source: Callan Associates Inc. Returns are reported gross of fees.

TEN LARGEST HOLDINGS (for

(for the year ended June 30, 2020)*

Domestic Fixed Income Holdings	ings Par Value Ma		APERS	ASPRS
1 U.S. Treasury 2.00 02/15/2050	\$ 14,910,000	\$ 17,075,379	\$ 16,455,512	\$ 619,867
2 U.S. Treasury 0.25% 06/15/2023	11,330,000	11,353,906	10,941,739	412,167
3 U.S. Treasury 4.375% 11/15/2039	6,431,000	10,112,233	9,745,141	367,092
4 FNMA 2.500% 07/01/2046	9,675,542	9,993,287	9,630,513	362,774
5 U.S. Treasury 0.25% 05/31/2025	9,500,000	9,488,505	9,144,055	344,450
6 U.S. Treasury 1.625% 08/15/2029	8,500,000	9,274,605	8,937,920	336,685
7 U.S. Treasury 0.875% 01/15/2029	7,627,306	8,689,485	8,374,041	315,444
8 U.S. Treasury 0.50% 05/31/2027	7,970,000	7,978,129	7,688,509	289,620
9 U.S. Treasury 1.75% 11/30/2021	7,330,000	7,493,532	7,221,504	272,029
10 FHLMC 3.000% 03/01/2042	6,989,909	7,489,268	7,217,394	271,874
Total		\$ 98,948,331	\$ 95,356,328	\$ 3,592,003

Domestic Equity Holdings	Shares	Market Value	APERS	ASPRS
1 Microsoft Corporation	700,223	\$ 142,502,383	\$ 137,329,290	\$ 5,173,093
2 Apple Inc.	283,062	103,261,018	99,512,457	3,748,561
3 Amazon.Com Inc.	28,673	79,103,646	76,232,041	2,871,605
4 Alphabet Inc. Class A Shares	31,579	44,780,601	43,154,985	1,625,616
5 McDonald's Corporation	241,390	44,529,213	42,912,723	1,616,491
6 Medtronic PLC	466,197	42,750,265	41,198,353	1,551,912
7 Lowe's Cos. Inc.	284,957	38,503,390	37,105,647	1,397,742
8 Alphabet Inc. Class C Shares	26,587	37,583,649	36,219,295	1,364,354
9 S&P Global Inc.	111,175	36,629,939	35,300,206	1,329,733
10 Nvidia Corporation	87,031	33,063,947	31,863,666	1,200,281
Total		\$ 602,708,050	\$ 580,828,663	\$21,879,387

International Equity Holdings	Shares	Market Value	APERS	ASPRS
1 Samsung Electronics Co. Ltd.	598,165	\$ 26,256,904	\$ 25,303,732	\$ 953,173
2 ABB Ltd.	1,087,838	24,487,979	23,599,021	888,958
3 Naver Corporation	92,751	20,588,204	19,840,815	747,389
4 Compass Group PLC	1,382,433	18,994,452	18,304,920	689,533
5 UBS Group AG	1,577,847	18,158,853	17,499,654	659,199
6 Fresenius Medical Care AG & Co.	197,214	16,900,519	16,287,000	613,519
7 Novartis AG	172,050	14,965,290	14,422,024	543,267
8 CIE Financiere Richemont SA	228,526	14,576,657	14,047,498	529,159
9 ASML Holding NV	37,324	13,703,795	13,206,323	497,472
10 Sanofi	133,889	13,631,714	13,136,858	494,856
Total		\$ 182,264,369	\$ 175,647,845	\$ 6,616,525
 6 Fresenius Medical Care AG & Co. 7 Novartis AG 8 CIE Financiere Richemont SA 9 ASML Holding NV 10 Sanofi 	197,214 172,050 228,526 37,324	16,900,519 14,965,290 14,576,657 13,703,795 13,631,714	16,287,000 14,422,024 14,047,498 13,206,323 13,136,858	62 54 52 49

^{*}By market value. Totals may not add due to rounding.

SCHEDULE OF BROKERAGE COMMISSIONS (for the year ended June 30, 2020)

	Number of	Total	Commission		
Brokerage Firm	Shares Traded	Commission	Per Share	APERS	ASPRS
J.P. Morgan Securities, NY	8,899,443	\$ 169,058	\$ 0.02	\$ 162,921	\$ 6,137
Citigroup Global Markets Inc., NY	4,687,125	139,185	0.03	134,133	5,053
Morgan Stanley & Co. Inc., NY	5,706,792	118,404	0.02	114,106	4,298
Credit Suisse, New York	12,754,516	115,395	0.01	111,205	4,189
Merrill Lynch Pierce Fenner Smith Inc., NY	8,098,964	103,003	0.01	99,264	3,739
Goldman Sachs & Co., NY	7,498,877	99,942	0.01	96,314	3,628
UBS Securities LLC, Stamford	4,225,891	71,009	0.02	68,431	2,578
Sanford Bernstein & Co., NY	4,359,207	70,328	0.02	67,775	2,553
Jefferies & Co. Inc., NY	4,080,380	61,240	0.02	59,017	2,223
Liquidnet Inc., NY	2,817,937	54,752	0.02	52,764	1,988
Barclays Capital Inc., New Jersey	2,058,863	51,309	0.02	49,447	1,863
Investment Tech Group Inc., NY	3,047,562	49,747	0.02	47,941	1,806
Piper Jaffray & Co., Jersey City	2,036,770	49,186	0.02	47,400	1,786
RBC Capital Markets LLC	3,718,228	47,513	0.01	45,788	1,725
Instinet Clearing Services Inc., NY	2,910,369	47,028	0.02	45,321	1,707
BMO Capital Markets, NY	1,356,038	42,939	0.03	41,381	1,559
Knight Equity Markets LP, NY	1,806,142	42,374	0.02	40,835	1,538
SG Securities	1,942,482	37,155	0.02	35,806	1,349
William Blair & Co., Chicago	1,172,598	35,202	0.03	33,924	1,278
ISI Group, NY	1,258,227	33,763	0.03	32,538	1,226
Robert W. Baird & Co. Inc., Milwaukee	968,186	32,900	0.03	31,705	1,194
Pershing Securities, LTD	2,808,924	28,616	0.01	27,577	1,039
MacQuarie Securities	2,517,416	27,316	0.01	26,325	992
National Financial Services Corp., NY	1,146,303	26,246	0.02	25,293	953
Wells Fargo Securities LLC	871,007	26,151	0.03	25,201	949
Others (including 95 brokerage firms)	26,789,428	430,984	0.02	415,339	15,646
	119,537,675	\$ 2,010,746	- - -	\$ 1,937,752	\$ 72,994

SCHEDULE OF INVESTMENT FEES (for the year ended June 30, 2020)

				Basis	API	ERS			ASP	RS	
Investment Category	Market Value		Fee	Points	Market Value		Fee	i	Market Value		Fee
Domestic Equity											
MCM S&P 500 Index Fund	\$ 292,325,246	\$	60,072.35	0.02	\$ 281,713,314	\$	57,892	\$	10,611,933	\$	2,181
MCM RU2000 Value Fund	0		0		0		0		0		0
LSV Asset Management	196,177,983		1,282,200	0.65	189,056,369		1,235,654		7,121,614		46,546
CastleArk Management	662,166,664		1,854,751	0.28	638,128,822		1,787,420		24,037,842		67,331
Golden Capital Management	219,966,493		471,725	0.21	211,981,313		454,601		7,985,180		17,124
INTECH	592,661,269		1,987,206	0.34	571,146,598		1,915,067		21,514,671		72,139
Wellington Management Co.	402,828,210		1,260,600	0.31	388,204,821		1,214,838		14,623,389		45,762
* Westwood Management	0		0		0		0		0		0
Lazard Asset Management	386,109,165		1,144,007	0.30	372,092,708		1,102,478		14,016,458		41,530
SSI Investment Management	351,447,432		1,263,052	0.36	338,689,258		1,217,201		12,758,174		45,851
Horrell Capital Management	132,022,663		218,987	0.17	127,230,003		211,038		4,792,660		7,950
Stephens Inv. Management Group	397,286,460		2,299,661	0.58	382,864,247		2,216,179		14,422,214		83,482
	\$ 3,632,991,587	\$	11,842,261		\$3,501,107,453	\$	11,412,366	\$	131,884,134	\$	429,895
International Equity	, -, , ,		,- , -		, -, , - ,	Ċ	, ,	ľ	- , , -		-,
Mellon ACWI ex-US Fund	\$ 758,289,684	\$	429,821	0.06	\$ 730,762,403	\$	414,218	\$	27,527,280	Ś	15,603
Lazard Asset Management	454,065,772	Ψ.	1,499,235	0.33	437,582,367	~	1,444,810	Ψ.	16,483,405	Ψ.	54,425
Artisan Partners	425,212,019		2,385,773	0.56	409,776,058		2,299,165		15,435,962		86,608
Baillie Gifford	527,752,854		1,919,290	0.36	508,594,475		1,849,616		19,158,379		69,674
*# Manning & Napier	286,869		0	0.00	276,455		0		10,414		0
*# Fidelity	0		0	0.00	0		0		0		0
	\$ 2,165,607,198	Ś	6,234,119		\$2,086,991,759	\$	6,007,809	\$	78,615,439	\$	226,310
Fixed Income	ψ 2,100,007,100	Ψ.	0,20 .,225		ψ 2,000,00 2,700	~	0,007,003	Ψ.	, 0,010, .00	Ψ.	220,020
Doubleline Capital	\$ 479,486,950	¢	839,661	0.18	\$ 462,080,710	\$	809,180	\$	17,406,239	¢	30,481
MacKay Shields CP II	526,102,200	ٻ	1,004,628	0.19	507,003,743	٦	968,158	Ţ	19,098,457	Ų	36,470
Prudential Investments	544,934,658		1,046,089	0.19	525,152,549		1,008,114		19,782,109		37,975
Tradential investments	\$ 1,550,523,807	\$	2,890,378	0.13	\$1,494,237,002	\$	2,785,452	\$	56,286,805	ς	104,926
Real Assets	Ţ 1,330,323,007	Υ	2,030,370		ψ1, 13 1,237,002	7	2,703,132	Υ	30,200,003	7	101,520
INVESCO Real Estate	\$ 472,768,790	\$	1,646,000	0.35	\$ 455,606,432	\$	1,586,247	\$	17,162,358	Ś	59,753
*# INVESCO Global REITs	0	Ψ.	0	0.00	0	~	0	Ψ.	0	Ψ.	0
MCM REIT Index Fund	100,568,746		65,827	0.07	96,917,920		63,437		3,650,827		2,390
+ TA Associates Realty Fund X	3,395,491		435,029	12.81	3,272,229		419,237		123,262		15,792
+ TA Associates Realty Fund XI	50,116,492		1,384,384	2.76	48,297,173		1,334,128		1,819,319		50,256
++ TA Associates Realty Fund XII	6,070,844		573,333	9.44	5,850,461		552,520		220,383		20,813
CastleArk Mgmt. Global Energy Fnd	33,132,705		375,798	1.13	31,929,928		362,156		1,202,777		13,642
CastleArk Mgmt. Global Energy Plus	101,038,651		1,264,818	1.25	97,370,766		1,218,903		3,667,885		45,915
Pinnacle Forest Investments	84,695,862		781,151	0.92	81,621,250		752,794		3,074,612		28,357
Heitman Real Estate Trust LP	299,929,972		2,176,754	0.73	289,041,974		2,097,734		10,887,998		79,020
+ Heitman Value Partners	33,680,993		300,578	0.89	32,458,312		289,666		1,222,681		10,912
+ LaSalle Inc & Growth VI LP	10,112,583		91,445	0.90	9,745,478		88,126		367,105		3,320
+ LaSalle Inc & Growth VII LP	35,505,269		465,317	1.31	34,216,364		448,425		1,288,905		16,892
2000.0000000000000000000000000000000000	\$ 1,231,016,399	\$		1.01	\$1,186,328,287	\$	9,213,372	\$	44,688,111	\$	347,061
Diversified Strategies	7 1,231,010,333	Y	3,300,433		71,100,320,207	Y	3,213,372	Y	44,000,111	Y	347,001
AQR Capital	\$ 136,877,838	ć	950,007	0.60	\$ 131,908,926	ć	915,520	ċ	4,968,912	¢	34,487
AQR Capital Blackstone Hedge	\$ 136,877,838 183,287,628	۶		0.69 1.01	\$ 131,908,926 176,633,957	۶	1,775,834	Ş	6,653,671	ې	
· ·			1,842,729								66,894
Newton Capital	125,121,572	_	752,991	0.60	120,579,433	<u>,</u>	725,656	<u>_</u>	4,542,138	<u>-</u>	27,335
Other Investment Service Fore	\$ 445,287,037	\$	3,545,726		\$ 429,122,316	\$	3,417,010	\$	16,164,721	Ş	128,716
Other Investment Service Fees Bank of New York Mellon (Custodian)		\$	516,386			\$	497,640			\$	18,746
Callan Associates (Consultant)		Ş				Ş	301,761			ڔ	
,			313,128								11,367
Total Investment Service Fees		\$	34,902,432			\$:	33,635,411			\$ 1	,267,021

^{*} Terminated manager / # terminated strategy / + management fee is base fee plus performance fee / =++ management fee accrued, new account to be funded.

Actuarial Section

Actuary's Certification Letter

Summary of Actuarial Assumptions

Single Life Retirement Values

Seperations from Active Employment Before Retirement

Probabilities of Retirement for Members eligible to Retire

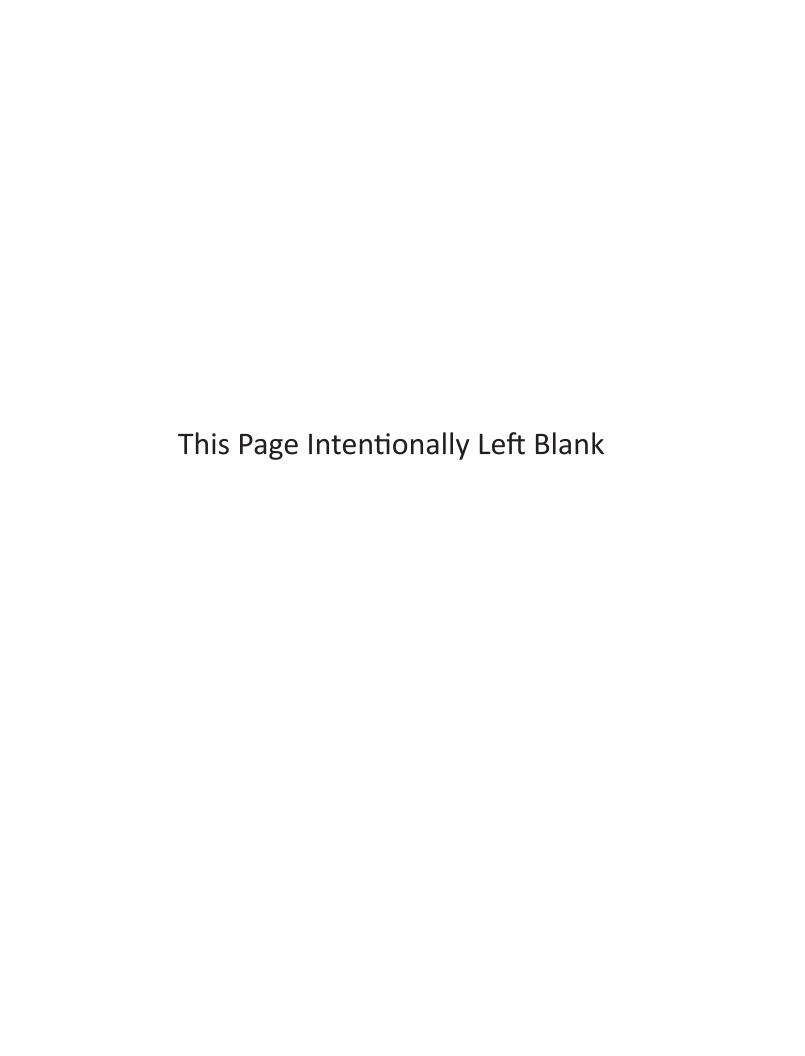
State and Local Government Division General Assembly Division

Short Condition Test
Ten-Year Comparative Statement

Analysis of Experience
Changes in Unfunded Actuarial Accruid Liability
Gains/(Losses) by Risk Area

Summary of Plan Provisions





ACTUARY'S CERTIFICATION LETTER



November 30, 2020

800.521.0498 | P: 248.799.9000 | www.grsconsulting.com

Board of Trustees Arkansas Public Employees Retirement System Little Rock, Arkansas

Dear Board Members:

The basic financial objective of the Arkansas Public Employees Retirement System (APERS) as provided in the Arkansas Code is to establish and receive contributions which, expressed as percents of active member payroll, will remain approximately level from generation to generation of Arkansas citizens and when combined with present assets and future investment return will be sufficient to meet the financial obligations of APERS to present and future benefit recipients. The progress towards meeting this financial objective is illustrated in the Schedule of Funding Progress and the Schedule of Employer Contributions.

We performed an actuarial valuation and issued an actuarial valuation report for APERS as of June 30, 2020. The purpose of the June 30, 2020 annual actuarial valuation was to determine the contribution requirements for the year beginning July 1, 2022 and to measure the System's funding progress. The actuarial valuation report should not be relied upon for any other purpose. The valuation process develops contribution rates that are sufficient to fund the plan's normal cost (i.e., the cost assigned by the valuation method to the year of service about to be rendered) as well as to fund unfunded actuarial accrued liabilities as a level percent of active member payroll (level dollar for the District Judges portion of APERS) over a period of up to thirty years. The most recent valuations were completed based upon population data, asset data, and plan provisions as of June 30, 2020. In addition, a separate report was issued (dated October 30, 2020) to provide actuarial information for GASB Statement No. 67 and GASB Statement No. 68.

The APERS administrative staff provides the actuary with data for the actuarial valuation. The actuary relies on the data after reviewing it for internal and year-to-year consistency. The actuary summarizes and tabulates population data in order to analyze longer term trends. The plan's external auditor also audits the actuarial data annually. We are not responsible for the accuracy or completeness of the data provided by staff.

The actuarial valuation report and GASB Statement Nos. 67 and 68 report contain the following supporting schedules for use in the Actuarial and Financial Sections of the Comprehensive Annual Financial Report:

Actuarial Section

Summary of Assumptions Used
Summary of Actuarial Methods and Assumptions
Active Member Valuation Data
Short Condition Test
Analysis of Financial Experience
Analysis of Financial Experience – Gains and Losses by Risk Area

Board of Trustees Arkansas Public Employees Retirement System November 30, 2020 Page 2

Financial Section

Schedule of Funding Progress
Schedule of Changes in Net Pension Liability and Related Ratios
Schedule of the Net Pension Liability
Schedule of Contributions
Notes to Schedule of Contributions

For actuarial valuation purposes, assets are valued on a market related basis that recognizes each year's difference between actual and assumed investment return over a closed four-year period with the exception of the old plan still paying District Judges portion of APERS, where assets are valued on a market basis.

Actuarial valuations are based upon assumptions regarding future activity in specific risk areas including the rates of investment return and payroll growth, eligibility for the various classes of benefits, and longevity among retired lives. These assumptions are adopted by the Board after considering the advice of the actuary and other professionals. The assumptions and the methods comply with the requirements of the Actuarial Standards of Practice. Each actuarial valuation takes into account all prior differences between actual and assumed experience in each risk area and adjusts the contribution rates as needed. The June 30, 2020 valuations were based upon assumptions that were recommended in connection with a study of experience covering the period 2012-2017. The investment return assumption was changed for the June 30, 2018 valuation.

On the basis of the June 30, 2020 actuarial valuations and the benefits and contribution rates then in effect, it is our opinion that the Arkansas Public Employees Retirement System continues to satisfy the general financial objective of level contribution financing.

Future actuarial measurements may differ significantly from those presented in the annual valuations due to such factors as experience differing from that anticipated by actuarial assumptions, or changes in plan provisions, actuarial assumption/methods or applicable law. Due to the limited scope of the assignment, we did not perform an analysis of the potential range of future measurements.

The signing individuals are independent of the plan sponsor.

Mita D. Drazilov and Heidi G. Barry 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.

Respectfully submitted,

Mita D. Drazilov, ASA, FCA, MAAA

Heidi A Barry, ASA, FCA, MAAA

David L. Hoffman

SUMMARY OF ACTUARIAL ASSUMPTIONS*

Economic Assumptions

The investment return rate used in making the valuation was 7.15% per year, compounded annually (net after investment expenses). This rate of return is not the assumed real rate of return. The real rate of return is the portion of investment return which is more than the wage inflation rate. Considering the assumed wage inflation rate of 3.25%, the 7.15% investment return rate translates to an assumed net real rate of return of 3.90%. The wage inflation assumption was first used for the June 30, 2015 valuation, including also the District Judges division. The investment return assumption was first used for the June 30, 2017 valuation, including also the District Judges division.

Pay increase assumptions for individual active members are shown on pages E-8 and E-10. Part of the assumption for each age is for a merit and/or seniority increase, and the other 3.25% recognizes wage inflation. The wage inflation assumption consists of 2.50% for price inflation and 0.75% for real wage growth. These assumptions were first used for the June 30, 2018 valuation and for the District Judges division for the June 30, 2015 valuation.

Total active member payroll is assumed to increase 3.25% a year, which is the portion of the individual pay increase assumptions attributable to wage inflation. This assumption was first used for the June 30, 2015 valuation and for the District Judges division for the June 30, 2015 valuation.

The number of active members is assumed to continue at the present number.

Non-Economic Assumptions

The mortality tables used to measure retired life mortality were the RP-2006 Healthy Annuitant benefit weighted generational mortality tables for males and females. The disability post-retirement mortality tables used were the RP-2006 Disabled Retiree benefit weighted generational mortality tables for males and females. The death-in-service mortality tables used were the RP-2006 Employee benefit weighted generational mortality tables for males and females. Mortality rates are multiplied by 135% for males and 125% for females and are adjusted for fully generational mortality improvements using Scale MP-2017. This assumption was first used for the June 30, 2018 valuation.

The probabilities of retirement for members eligible to retire are shown on pages E-4 through E-7. These probabilities were first used for the June 30, 2018 valuation and for the June 30, 2007 valuation for the District Judges division.

The probabilities of withdrawal from service, death-in-service and disability are shown for sample ages on pages E-8 through E-10. These probabilities were first used for the June 30, 2018 valuation and for the District Judges division for the June 30, 2018 valuation.

The individual entry-age normal actuarial cost method of the valuation was used in determining liabilities and normal cost.

Differences in the past between assumed experience and actual experience (actuarial gains and losses) become part of actuarial accrued liabilities.

^{*}The data referenced in this section is taken from the actuary's report, Arkansas Public Employees Retirement System Actuarial Valuation and Experience Gain/(Loss) Analysis June 30, 2020, prepared by Gabriel Roeder Smith & Co. A PDF copy of the report is available for download at www.apers.org.

Actuarial

Unfunded actuarial accrued liabilities are amortized to produce contribution amounts (principal and interest) which are level percent-of-payroll contributions. For the District Judges division, unfunded actuarial accrued liabilities are amortized as a level dollar contribution.

Recognizing the special circumstances of the General Assembly division, modifications of the above assumptions were made where appropriate.

Present assets (cash & investments) were valued on a market related basis in which differences between actual and assumed returns are phased-in over a four-year period (including District Judges New Plan and Paid Off Old Plan). The funding value of assets may not deviate from the market value of assets by more than 25%. District Judges Still Paying Old Plan present assets (cash & investments) were valued on a market value basis. 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.

The actuarial valuation computations were made by or under the supervision of a Member of the American Academy of Actuaries (MAAA).

SINGLE LIFE RETIREMENT VALUES

Sample Attained Ages	Present Value of \$1.00 Monthly for Life			\$1.00 Mo	nthl	alue of Future Lif Ily for Life Expectancy (Y 6 Annually 2020*			(Years)	
	Men		Women		Men		Women		Men	Women
40	\$ 156.04	\$	159.90	Ş	229.33	\$	239.04	4	41.05 yrs.	44.75 yrs.
45	150.92		155.90		216.34		227.64	3	36.15	39.77
50	144.42		150.52		201.40		214.01	3	31.39	34.85
55	136.40		143.37		184.56		197.93	2	26.82	30.01
60	126.59		134.42		165.79		179.69	2	22.45	25.36
65	114.88		123.53		145.33		159.53	:	18.36	20.96
70	101.09		110.25		123.32		137.25	:	14.55	16.80
75	85.16		94.51		100.11		113.27	-	11.06	12.94
80	67.86		76.97		76.92		88.85		8.00	9.52
85	\$ 50.77	\$	59.12	Ş	55.66	\$	65.87		5.48 yrs.	6.66 yrs.

Sample Attained	•	Portion of Lives Sti	Il Alive*
Ages	•	Men	Women
60	\$100	100%	100%
65	116	93	96
70	134	84	89
75	155	72	80
80	\$180	56%	66%

^{*}Applicable to calendar year 2020. Life expectancies and rates in future years are determined by the fully generational MP-2017 projection scale.

SEPARATIONS FROM ACTIVE EMPLOYMENT BEFORE RETIREMENT

State and Local Government Division as of June 30, 2020

	Years			_	Active Mem			Pay Increase Assumptions For An Individual Employee		
Sample Ages	of Service	With	drawal	Deat	:h*	Disability		Merit & Seniority	Base (Economy)	Increase Next Year
		Men	Women	Men	Women	Men	Women			
	0	40.0%	40.0%							
	1	25.0	25.0							
	2	20.0	20.0							
	3	15.0	15.0							
	4	12.0	12.0							
20	5+	11.0	11.0	0.05%	0.02%	0.01%	0.01%	6.60%	3.25%	9.85%
25		11.0	11.0	0.07	0.02	0.04	0.04	5.16	3.25	8.41
30		9.7	9.7	0.07	0.03	0.07	0.07	3.30	3.25	6.55
35		6.8	6.8	0.08	0.04	0.09	0.09	2.28	3.25	5.53
40		4.8	4.8	0.09	0.06	0.13	0.13	1.70	3.25	4.95
45		3.7	3.7	0.13	0.08	0.17	0.17	1.38	3.25	4.63
50		3.0	3.0	0.22	0.13	0.34	0.34	1.00	3.25	4.25
55		2.1	2.1	0.37	0.22	0.60	0.60	0.68	3.25	3.93
60		1.3%	1.3%	0.66%	0.34%	0.85%	0.85%	0.42%	3.25%	3.67%

^{*}Applicable to calendar year 2020. Rates in future years are determined by the above rates and the MP-2017 projection scale. Pay increase rates are age based only, and not service based.

PROBABILITIES OF RETIREMENT FOR MEMBERS ELIGIBLE TO RETIRE

State and Local Government Division as of June 30, 2020

Retirement Ages (with less than 28 years of service)	Active Mem	of Eligible* bers Retiring lext Year
	Unreduced	Reduced
55		2.5%
56		2.5
57		3.0
58		3.5
59		4.0
60		5.0
61		5.5
62		20.0
63	•	20.0
64		15.0%
65	22%	
66	25	
67	23	
68	18	
69	18	
70	18	
71	18	
72	18	
73	18	
74-84	20	
85 & Over	100%	-

^{*}A member was assumed eligible for unreduced retirement after attaining age 65 with 5 years of service or 28 years regardless of age. A member was assumed eligible for reduced retirement after attaining age 55 with 10 or more years of service.

PROBABILITIES OF RETIREMENT FOR MEMBERS ELIGIBLE TO RETIRE

General Assembly Division as of June 30, 2020

	,
Retirement Ages	Percentages of Eligible* Active Members Retiring Within Next Year
50	30%
51	30
52	30
53	30
54	30
55	30
56	30
57	30
58	30
59	30
60	30
61	30
62	50
63	30
64	30
65	50
66	30
67-79	20
80 & Over	100

^{*}Member may retire at age 50 with 20 or more years of service, age 60 with 16 or more years of service, or age 65 with 8 or more years of service.

SHORT CONDITION TEST

The APERS funding objective is to meet long-term benefit promises through contributions that remain approximately level from year to year as a percentage 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 condition test.

A short condition test is one means of checking a system's progress under its funding program. In a short condition test, the System's present assets (cash and investments) are compared with

- 1. Active member contributions on deposit,
- 2. The liabilities for future benefits to present retired lives, and
- 3. The liabilities for 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 (liability 1) and the liabilities for future benefits to present retired lives (liability 2) will be fully covered by present assets (except in unusual circumstances). In addition, the liabilities for service already rendered by active members (liability 3) will be partially covered by the remainder of present assets. The larger the funded portion of liability 3, the stronger the condition of the System. Liability 3 being fully funded is uncommon.

Ten-Year Comparative Statement

For Fiscal Years Ended June 30 (dollars in millions)

	Ent	try Age Accrued	Liability					
Valuation Date:	(1) Active Member	(2) Retirees and	(3) Active Members (Employer Financed	Valuation		Portion of Present	vered B	
June 30	Contributions	Beneficiaries	Portion)	Assets	(1)	(2)	(3)	Total
State Divisio	n (including subd	ivisions)						
1998@	\$ 17.2	\$ 640.3	\$ 1,395.9	\$ 2,328.5	100%	100%	119%	113%
1999@#	16.9	784.0	1,634.2	2,637.1	100	100	112	108
2000	15.8	747.5	1,865.7	2,943.3	100	100	117	112
Local Govern	nment Division							
1998@	\$ 8.8	\$ 337.9	\$ 501.1	\$ 968.1	100%	100%	124%	114%
1999#	8.8	446.9	587.9	1,074.7	100	100	105	103
2000	7.6	440.0	706.0	1,178.1	100	100	103	102
State And Lo	ocal Government	Division						
2011@	\$ 119.2	\$ 3,268.3	\$ 4,327.8	\$ 5,462.6	100%	100%	48%	71%
2012	122.1	3,518.7	4,521.9	5,625.4	100	100	44	69
2013@	147.9	3,855.2	4,281.1	6,159.3	100	100	50	74
2014@	176.3	4,246.7	4,440.6	6,894.9	100	100	56	78
2015@	201.1	4,654.5	4,439.2	7,351.7	100	100	56	79
2016	228.4	4,929.2	4,505.1	7,768.9	100	100	58	80
2017	291.1	5,547.3	4,671.8	8,157.0	100	100	50	78
2017@	291.1	5,460.9	4,568.5	8,157.0	100	100	53	79
2018	334.7	5,717.9	4,641.7	8,416.4	100	100	51	79
2019	376.0	6,015.8	4,737.0	8,738.7	100	100	50	79
2020	\$ 410.2	\$ 6,270.1	\$ 4,832.7	\$ 9,090.4	100%	100%	50%	79%

ANALYSIS OF EXPERIENCE

Purpose of Gain/(Loss) Analysis

Regular actuarial valuations give valuable information about the composite change in unfunded actuarial accrued liabilities – whether or not the liabilities are increasing or decreasing and by how much.

But valuations do not show the portion of the change attributable to each risk area within the retirement system: the rate of investment return which plan assets earn; the rates of withdrawal of active members who leave covered employment; the rates of mortality; the rates of disability; the rates of pay increases; and the ages at actual retirement. In an actuarial valuation, assumptions must be made as to what these rates will be, for the next year and for decades in the future.

The objective of a gain and loss analysis is to determine the portion of the change in actuarial condition (unfunded actuarial accrued liabilities) attributable to each risk area.

The fact that actual experience differs from assumed experience is to be expected – the future cannot be predicted with precision. The economic risk areas (particularly investment return and pay increases) are volatile. Inflation directly affects economic risk areas, and inflation seems to defy reliable prediction.

Changes in the valuation assumed experience for a risk area should be made when the differences between assumed and actual experience have been observed to be sizable and persistent. A gain and loss analysis covering a relatively short period may or may not be indicative of long-term trends, which are the basis of actuarial assumptions.

Changes in Unfunded Actuarial Accrued Liability

Dur	(ir	Total (in millions)		
1.	UAAL* at Beginning of Year	\$	2,390.0	
2.	Employer Normal Cost from Last Valuation		150.0	
3.	Actual Employer Contributions		298.1	
4.	Interest Accrual: [(1) + ½[(2) - (3)]]x .0715		165.6	
5.	Expected UAAL Before Changes: (1) + (2) - (3) + (4)		2,407.5	
6.	Increase from Benefit Changes		0.0	
7.	Changes from Revised Actuarial Assumptions and Methods		0.0	
8.	New Entrant Liabilities		57.5	
9.	Expected UAAL After Changes: $(5) + (6) + (7) + (8)$		2,465.0	
10.	Actual UAAL at End of Year		2,422.6	
11.	Gain/(Loss): (9) - (10)	\$	42.4	

^{*} Unfunded actuarial accrued liability.

Gains/Losses by Risk Area

During the Fiscal Year Ended June 30, 2020	Total (in millions)	% of Accrued Liabilities
Economic Risk Areas		
Pay Increases. If there are smaller pay increases than assumed, there is a gain. If greater increases, a loss.	\$ 2.2	0.0%
Investment Return. If there is greater investment return than assumed, there is a gain. If less return, a loss.	(25.7)	(0.2)
Non-Economic Risk Areas		
Non-Casualty Retirements. If members retire at older ages or with lower final average compensation (FAC) than assumed, there is a gain. If younger ages or higher FAC, a loss.	(0.5)	0.0
Disability Retirements. If there are fewer disabilities than assumed, there is a gain. If more, a loss.	1.0	0.0
Death-in-Service Benefits. If there are fewer claims than assumed, there is a gain. If more, a loss.	(3.1)	0.0
Withdrawal. If more liabilities are released by other separations than assumed, there is a gain. If smaller releases, a loss.	36.4	0.3
Total Active Member Actuarial Gains/(Losses)	\$ 10.3	0.1
Retired Life Mortality.	30.0	0.3
Other (includes data adjustments at retirement, timing of financial transactions, and miscellaneous unidentified sources)	2.1	0.0
Total Actuarial Gains/(Losses)	\$ 42.4	0.4%

SUMMARY OF PLAN PROVISIONS

The Old Contributory Plan is available to persons who became members of APERS before January I, 1978. The Non-Contributory Plan applies to all persons first hired after January I, 1978 and before July 1, 2005 in APERS-covered employment. The New Contributory Plan applies to all persons hired after July 1, 2005 in APERS-covered employment or Non-Contributory members who elected to participate in the New Contributory Plan.

New Contributory Plan

Non-Contributory Plan

Voluntary Retirement

With a full benefit, after either (a) age 65 with 5 years of service, or (b) 28 years of actual service, regardless of age. For sheriff and public safety members, the age 65 requirement is reduced 1 month for each 2 months of actual service, but not below age 55 (age 52 for sheriff members with a minimum of 10 years of actual service).

With a reduced benefit, after age 55 with 5 years of service or any age with 25 years of service. The reduction is equal to ½ of 1% for each month retirement precedes normal retirement age or 1% for each month below 28 years of actual service, whichever is less.

With a full benefit, after either (a) age 65 with 5 years of service, or (b) 28 years of actual service, regardless of age. For sheriff and public safety members, the age 65 requirement is reduced 1 month for each 2 months of actual service, but not below age 55 (age 52 for sheriff members with a minimum of 10 years of actual service).

after age 55 with 5 years of service or any age with 25 years of service. The reduction is equal to $\frac{1}{2}$ of 1% for each month retirement precedes normal retirement age or 1% for each month below 28 years of actual service, whichever is less.

Final Average Compensation (FAC)

Average of highest 36 calendar months of covered compensation.

Average of highest 36 calendar months of covered compensation.

Full Age and Service Retirement Benefit

2.00% of FAC times years of service (2.03% for service prior to July 1, 2007), plus .5% of FAC times years of service over 28 years for service after July 1, 2009. The minimum monthly benefit is \$150 minus any age and beneficiary option reductions.

1.72% of FAC times years and months of credited service (1.75% for service prior to July 1, 2007), plus .5% of FAC times years of service over 28 years for service after July 1, 2009. If retirement is prior to age 62, an additional .33% of FAC times years of service will be paid until age 62. The portion of the APERS benefit based on service before 1978 cannot be less than the amount provided by contributory provisions in effect at the time of retirement. The minimum monthly benefit is \$150 minus any age and beneficiary option reductions..

New Contributory Plan

Non-Contributory Plan

Benefit Increases After Retirement

Annually, there will be a cost-of-living adjustment equal to 3% of the current benefit.

Annually, there will be a cost-of-living adjustment equal to 3% of the current benefit.

Member Contribution Rates

5% of covered compensation (pre-tax). Member contributions are refundable if APERS-covered employment terminates before a monthly benefit is payable. Members will earn interest on the contributions at a rate of 4% annually.

No employee contributions for service after January 1, 1978. If there is service before January 1, 1978, contributions for that period are refundable later in the same manner as under the Contributory Plan.

Vested Retirement Benefits

5 or more years of service, and leaving APERS-covered employment before full retirement age. Deferred full retirement benefit, based on service and pay at termination, begins at age 65. A death benefit is payable to surviving spouse of member who dies before benefit commencement.

covered employment before full retirement age. Deferred full retirement benefit, based on service and pay at termination, begins at age 65. A death benefit is payable to surviving spouse of member who dies before benefit commencement.

5 or more years of service and leaving APERS-

In place of deferred full benefit, at age 55 or older a qualifying member can elect an immediate reduced benefit.

In place of deferred full benefit, at age 55 or older a qualifying member can elect an immediate reduced benefit.

Total and Permanent Disability

Disabled after 5 or more years of service, including credit for 18 of the 24 months preceding disability.

Disabled after 5 or more years of service, including credit for 18 of the 24 months preceding disability.

Amount is computed as an age & service benefit, based on service and pay at disability.

Amount is computed as an age & service benefit, based on service and compensation at disability.

New Contributory Plan

Non-Contributory Plan

Death After Retirement

If death occurs before total monthly benefit payments equal member's accumulated contributions, the difference is refunded.

A retiring member can also elect an optional form of benefit, which provides beneficiary protection paid for by reducing the retired member's benefit amount. Should the member elect a straight life benefit and decease within 12 months of the date of retirement, a benefit may be payable to the surviving spouse under certain conditions.

Member contributions before 1978 are protected in the same manner as under the Contributory Plan.

A retiring member can also elect an optional form of benefit, which provides beneficiary protection paid for by reducing the retired member's benefit amount. Should the member elect a straight life benefit and decease within 12 months of the date of retirement, a benefit may be payable to the surviving spouse under certain conditions.

Death While in APERS-Covered Employment

Member's accumulated contributions are refundable.

If the member had 5 years service, monthly benefits are payable instead. Surviving spouse receives a benefit computed as if member had retired and elected the Joint & 75% Survivor Option. Payment begins immediately.

Each dependent child receives benefit of 10% of compensation (maximum of 25% for all children).

Dependent parents benefits are payable if neither spouse nor children's benefits are payable.

Member's accumulated contributions before 1978 are refundable.

If the member had 5 years service, monthly benefits are payable instead. Surviving spouse receives a benefit computed as if member had retired and elected the Joint & 75% Survivor Option. Payment begins immediately.

Each dependent child receives benefit of 10% of compensation (maximum of 25% for all children).

Dependent parents benefits are payable if neither spouse nor children's benefits are payable.

Membership Group	Service Credits				
Public Safety Members (including State Capitol Police and Wildlife Sub-Division members) hired before July 1, 1997	1-1/2 times regular rate with 5 years actual service required to meet benefit eligibility rules.				
Governor (hired before July 1, 1999)	3 times regular rate with 5 years actual service required to meet death-in-service eligibility and 4 years actual service required for other benefit eligibility.				
Elected State Constitutional Officers (hired before July 1, 1999)	2-1/2 times regular rate with 5 years actual service required to meet benefit eligibility.				
General Assembly	Regular crediting rate with 5 years of actual service required to meet death-in-service eligibility and 10 years of actual service required for other benefit eligibility.				
Other Elected Public Officials (municipal and county officials)	2 times regular rate with 5 years actual service required to meet benefit eligibility.				
All Other Members	Regular rate.				

Arkansas Public Employees Deferred Retirement Option Plan

Members with 28 years of actual service in APERS or in combination with a reciprocal system are eligible to participate.

Members, for a maximum of 7 years, may continue employment and have 75% of their accrued benefit (at date of participation with 30 or more years of service) paid into the Deferred Retirement Option Plan in lieu of any further benefit accruals.

The payments into the Deferred Retirement Option Plan accumulate with interest at a rate established by the Board. The interest is paid on the mean balance and is paid to the member at termination of active membership in either a lump sum or as an annuity.

Employer contributions continue for members participating in the DROP.

Statistical Section

Investment Rate of Return - 30 Year Comparison

Schedule of Revenues By Source

Schedule of Expenses by Type

Summary of Administrative Expenses

Schedule of Benefit Expenses by Type

Membership

Summary of Active and Retired Member Valuation

Schedule of Average Benefit Payments

Comparison of Monthly Annuity by Credited Years of Service

Comparison of Retirees by Credited Years of Service

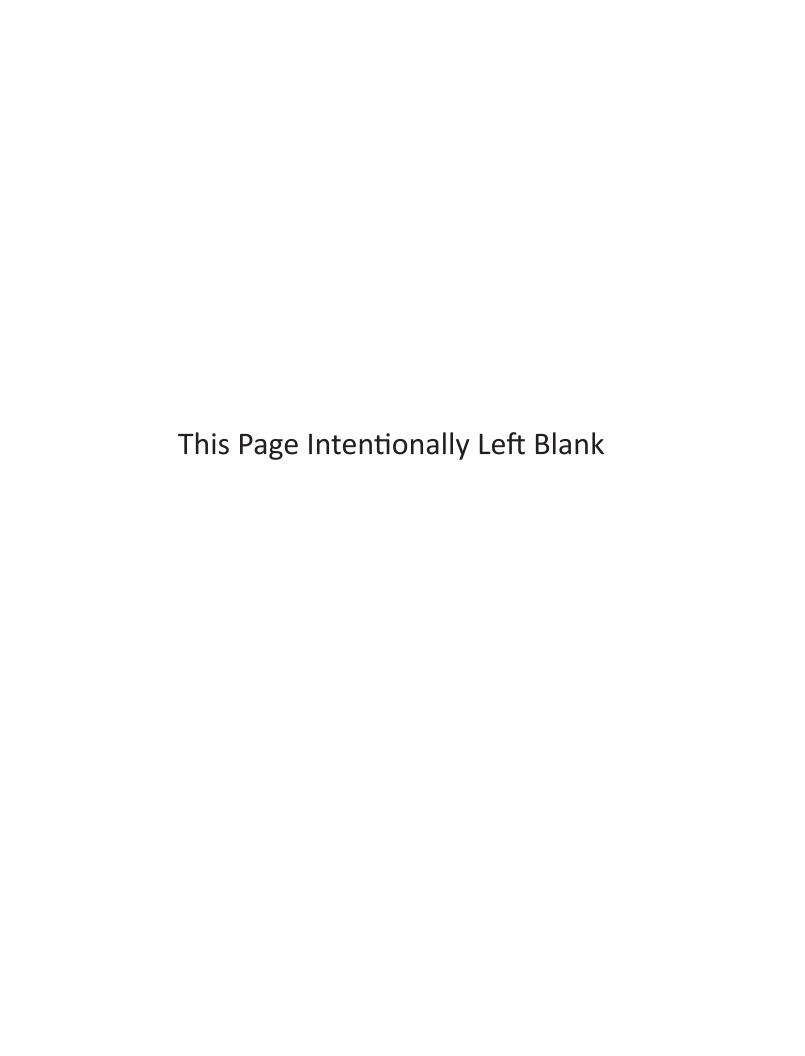
Schedule of Retired Members by Type of Benefit

Schedule of Retirees and Benefits Paid by County

Retirees and Benefits Paid by County & District

APERS Participating Employers
Reporting Entities by Category
Schedule of Employer Rates - 10 -Year Comparison
Schedule of Participating Employers



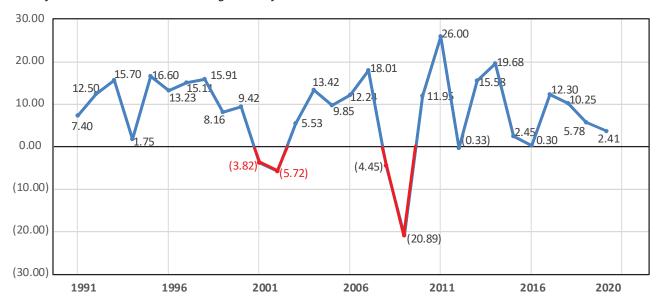


SCHEDULE OF INVESTMENT RETURN RATE

Table of Investment Return Percentage Rates for Fiscal Years Ended June 30

Year	Rate	Year	Rate	Year	Rate	
1991	7.40%	2001	(3.82)%	2011	26.00%	
1992	12.50	2002	(5.72)	2012	(0.33)	
1993	15.70	2003	5.53	2013	15.58	
1994	1.75	2004	13.42	2014	19.68	
1995	16.60	2005	9.85	2015	2.45	
1996	13.23	2006	12.24	2016	0.30	
1997	15.11	2007	18.01	2017	12.30	
1998	15.91	2008	(4.45)	2018	10.25	
1999	8.16	2009	(20.89)	2019	5.78	
2000	9.42%	2010	11.95%	2020	2.41%	

Chart of Investment Return Percentage Rates for Fiscal Years Ended June 30

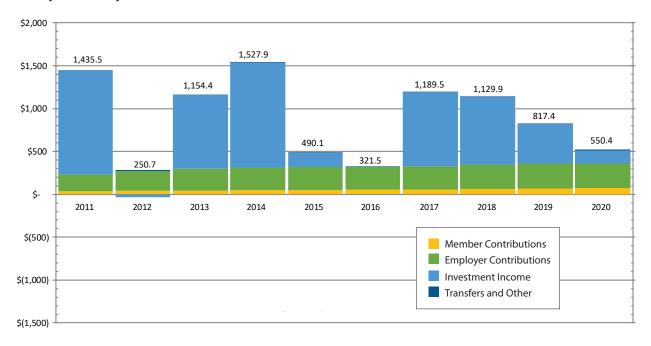


SCHEDULE OF REVENUES BY SOURCE

Table of Revenues for Fiscal Years Ended June 30

Table of Nevenues for Fiscar Tears Ended same so										
Year Ended June 30	Co	Member ontributions	C	Employer Contributions		Investment Income		Transfers and Other		Total
2011	\$	34,639,544	\$	196,428,733	\$	1,193,497,611	\$	8,966,315	\$	1,433,532,203
2012		40,220,553		231,511,392		(30,142,255)		9,105,829		250,695,519
2013		44,549,911		249,062,186		851,920,691		8,915,952		1,154,448,740
2014		48,237,869		264,477,703		1,208,430,494		6,786,822		1,527,932,888
2015		51,596,001		262,720,214		169,621,019		6,558,462		490,495,697
2016		55,944,132		263,545,822		(4,177,314)		6,271,067		321,583,707
2017		58,500,339		262,063,747		862,824,701		6,105,620		1,189,494,407
2018		64,730,519		276,784,232		782,326,767		6,069,774		1,129,911,292
2019		68,206,685		293,575,107		450,493,098		5,115,404		817,390,294
2020	\$	71,470,967	\$	299,497,566	\$	174,561,773	\$	4,870,799	\$	550,401,105

Chart of Revenues for Fiscal Years Ended June 30



SCHEDULE OF EXPENSES BY TYPE

Expenses for Fiscal Years Ended June 30

Fiscal Year	Benefit Payments (1)	Administrative Expenses (2)	Refunds	Total
2011	\$ 344,140,357	\$ 6,374,379	\$ 6,123,910	\$ 356,638,646
2012	359,330,673	6,794,526	7,420,785	373,545,984
2013	396,607,128	7,340,273	8,446,701	412,394,102
2014	414,548,645	7,209,769	9,455,348	431,213,761
2015	451,912,791	7,201,144	12,195,637	471,309,572
2016	480,913,495	7,181,913	13,188,729	501,284,137
2017	508,200,406	9,502,608	13,755,408	531,458,422
2018	530,861,312	11,503,639	13,727,908	556,092,859
2019	555,352,597	14,739,700	16,239,928	586,332,225
2020	\$ 587,453,797	\$ 11,682,726	\$ 15,835,290	\$ 614,971,813

¹ Includes DROP and PAW distributions.

SUMMARY OF ADMINISTRATIVE EXPENSES

Expenses for Fiscal Years Ended June 30*

	2020	2019	2018	2017	2016	2015
Personnel Services	\$ 4,894,754	\$ 4,907,576	\$ 4,654,834	\$ 4,732,341	\$ 4,399,166	\$ 4,148,088
Communications	276,125	347,126	226,678	238,294	221,680	267,909
Purchases	128,986	92,039	76,857	94,685	110,347	136,905
Services and Charges	1,613,277	1,637,239	1,634,717	1,484,973	1,299,726	1,358,106
Bad Debt Expense	65,265	716,682	0	0	0	0
Depreciation Expense	2,178,514	2,175,693	2,061,822	509,191	7,140	7,461
Post Employment Benefits	58,203	1,656,182	639,368	433,830	249,103	354,793
Data Processing Charges	2,467,603	3,207,163	2,209,363	2,009,294	894,750	927,882
Total Administrative Expenses	\$11,682,726	\$14,739,700	\$ 11,503,639	\$ 9,502,608	\$ 7,181,913	\$ 7,201,144

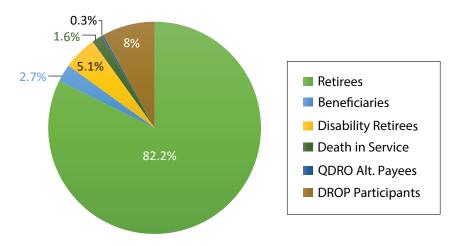
² A summary of administrative expenses can be found on the table below.

^{*}A more detailed schedule of administrative expenses can be found in the Notes To Supplemental Information on page 54.

SCHEDULE OF BENEFIT EXPENSES BY TYPE* (for fiscal years ended June 30)

Year Ended June 30			ervice Beneficiaries	Disability Retirees & Beneficiaries			Death in Service	QDRO Alternative Payees	DROP Participants	
2011	\$		\$	10,136,820	\$	20,302,152	\$	408,348	,	· a. a.a.paa
2012	т.	309,980,256	т	10,502,736	т.	21,950,568	<u>.</u>	347,292	-	
2013	••••••	333,567,174		11,125,082		26,158,872		336,180	-	
2014		363,644,841		12,006,363		27,648,624		320,928	-	
2015		392,995,993		13,555,679		26,854,608		7,428	1,346,409	49,188,840
2016	•	417,856,215		14,859,185		27,738,864		41,088	1,549,793	47,686,116
2017		449,127,264		13,258,740		29,710,308		8,837,724	1,798,296	37,399,188
2018	•	471,378,204		14,960,412		30,417,624		9,385,248	2,005,704	46,929,948
2019	•	500,098,272		15,582,348		31,298,916		9,604,896	2,159,076	50,352,876
2020	\$	523,802,448	\$	17,078,448	\$	32,792,592	\$	10,211,760	\$ 2,284,872	\$ 50,936,592

Percentage of Benefit Expenses by Type for the Fiscal Year Ended June 30, 2020



^{*} Expenses are based on annualized June 30 benefits amounts

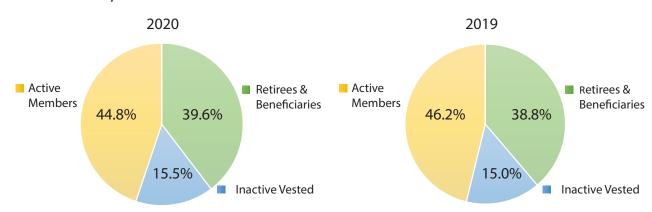
MEMBERSHIP

APERS covers all state employees who are not covered by another authorized plan, all county employees, municipal employees whose municipalities have elected coverage under the System, college and university employees, certain non-teaching school employees, and other public entities specifically defined by law.

Members*

As of the June 30 End of the Fiscal Year	2020	2019
Retirees and Beneficiaries Receiving Benefits (includes DROP participants)	39,805	38,543
Terminated Plan Members Entitled to But Not Yet Receiving Benefits	14,711	14,862
Active Plan Members	44,371	45,965

Member Comparison



^{*}Includes members of the Arkansas District Judges Retirement System

SUMMARY OF ACTIVE AND RETIRED MEMBER VALUATION

Historical Comparative Schedule

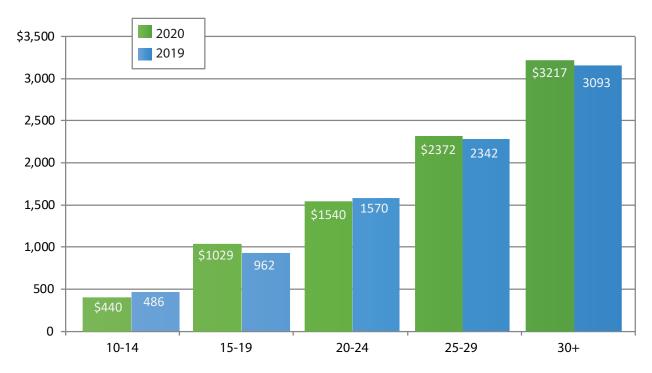
		Active	Members		Retired	d Lives (inclu	iding DROP m	embers)		
			Valuation Payro	oll			Annual Benefits			
Valuation Date	Number	Dollars in Millions	Average	% Increase	Number	Active per Retired	Dollars in Millions	As a % of Pay		
6/30/84	0	\$ 0	\$ 0	0%	7,036	0	\$ 19.10	4.49		
6/30/85	0	0	0	0	7,331	0	22.0	4.8		
6/30/86	0	0	0	0	7,649	0	24.1	4.9		
6/30/87	0	0	0	0	8,074	0	30.2	6.0		
6/30/88	0	0	0	0	9,155	0	39.6	7.5		
6/30/89	0	0	0	0	9,418	0	42.9	7.6		
6/30/90	0	0	0	0	9,747	0	44.9	7.4		
6/30/91	0	0	0	0	10,110	0	49.2	7.6		
6/30/92	39,752	698.2	17,564	0	10,456	3.8	51.9	7.4		
6/30/93	39,849	733.4	18,404	4.8	10,840	3.7	56.8	7.7		
6/30/94	40,940	778.7	19,021	3.3	11,213	3.7	60.7	7.8		
6/30/95	42,041	834.5	19,850	4.4	11,683	3.6	70.1	8.4		
6/30/96	42,712	889.3	20,821	4.9	12,073	3.5	76.2	8.6		
6/30/97	43,068	938.5	21,791	4.7	12,644	3.4	84.8	9.0		
6/30/98	43,047	974.7	22,644	3.9	13,480	3.2	94.6	9.7		
6/30/99	43,064	1,008.9	23,427	3.5	14,688	2.9	119.3	11.8		
6/30/00	43,121	1,050.0	24,351	3.9	15,544	2.8	133.6	12.7		
6/30/01	42,556	1,070.1	25,146	3.3	16,643	2.6	150.0	14.0		
6/30/02	42,230	1,111.5	26,320	4.7	17,748	2.4	167.6	15.1		
6/30/03	42,879	1,147.9	26,772	1.7	18,838	2.3	186.0	16.2		
6/30/04	42,826	1,175.8	27,455	2.6	19,872	2.2	203.4	17.3		
6/30/05	42,938	1,214.9	28,295	3.1	21,080	2.0	232.9	19.2		
6/30/06	43,453	1,267.1	29,159	3.1	22,234	2.0	254.7	20.1		
6/30/07	43,630	1,302.6	29,855	2.4	22,409	1.9	274.8	21.1		
6/30/08	44,357	1,379.8	31,106	4.2	23,555	1.9	297.0	21.5		
6/30/09	44,702	1,433.7	32,073	3.1	24,972	1.8	323.1	22.5		
6/30/10	45,394	1,522.7	33,544	4.6	25,880	1.8	342.2	22.5		
6/30/11	45,145	1,542.9	34,177	1.9	28,137	1.6	375.7	24.3		
6/30/12	45,937	1,606.1	34,962	2.3	29,282	1.6	399.5	24.9		
6/30/13	45,707	1,612.7	35,285	0.9	30,533	1.5	426.2	26.4		
6/30/14	45,841	1,638.0	35,735	1.3	31,914	1.4	457.1	27.9		
6/30/15	45,722	1,645.0	35,979	0.7	33,106	1.4	483.9	29.4		
6/30/16	45,676	1,686.5	36,923	2.6	34,214	1.3	509.7	30.2		
6/30/17	46,094	1,668.8	36,204	(1.9)	36,260	1.3	540.1	32.4		
6/30/18	46,207	1,723.6	37,302	3.0	37,398	1.2	575.1	33.4		
	•					•				
6/30/19	45,965 44,373	1,802.4 \$ 1,795.7	39,212	5.1	38,543 39,805	1.2	\$ 637.1	33.8		

SCHEDULE OF AVERAGE BENEFIT PAYMENTS

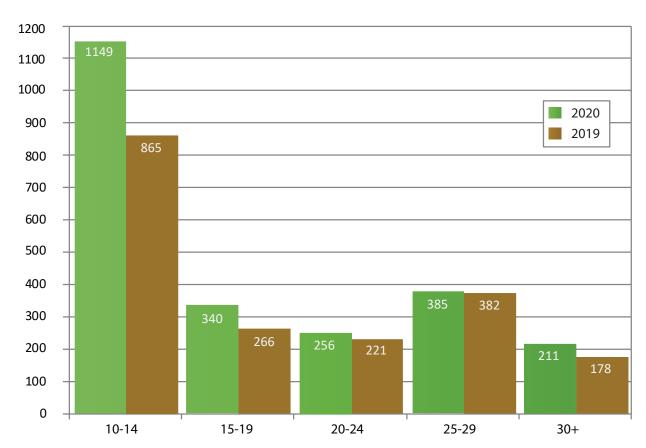
Voluntary Retirements Still Receiving Benefits as of June 30, 2020

Retirement Effective Dates - July 1, 2019 to June 30, 2020 Average Monthly Benefit \$ 439.55 \$ 1,029.09 \$ 1,540.36 \$2,372.23 \$3,217.2 Average Monthly Final Average Salary 2,791.36 3,379.30 3,786.62 2,781.00 2,412.3 Number of Active Retirees 1,149 340 256 385 21 Retirement Effective Dates - July 1, 2018 to June 30, 2019 485.59 961.56 1,569.79 2,342.18 3,093.5 Average Monthly Final Average Salary 2,735.94 3,260.28 3,679.97 2,784.56 2,464.5 Number of Active Retirees 865 266 221 382 17 Retirement Effective Dates - July 1, 2017 to June 30, 2018 455.14 991.06 1,472.39 2,325.23 2,954.5 Average Monthly Benefit 455.14 991.06 1,472.39 2,325.23 2,954.5 Average Monthly Final Average Salary 2,711.53 3,303.54 3,717.60 2,457.80 1,878.1 Number of Active Retirees 763 274 186 385 21
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Average Monthly Benefit 485.59 961.56 1,569.79 2,342.18 3,093.5 Average Monthly Final Average Salary 2,735.94 3,260.28 3,679.97 2,784.56 2,464.5 Number of Active Retirees 865 266 221 382 17 Retirement Effective Dates - July 1, 2017 to June 30, 2018 455.14 991.06 1,472.39 2,325.23 2,954.5 Average Monthly Benefit 455.14 991.06 1,472.39 2,325.23 2,954.5 Average Monthly Final Average Salary 2,711.53 3,303.54 3,717.60 2,457.80 1,878.1 Number of Active Retirees 763 274 186 385 21 Retirement Effective Dates - July 1, 2016 to June 30, 2017 481.50 1,029.89 1,490.30 2,351.32 3,060.0 Average Monthly FAS 2,827.35 3,284.51 3,442.16 3,618.77 3,900.0 Retirement Effective Dates - July 1, 2015 to June 30, 2016 473.37 1,010.25 1,480.91 2,306.85 2,930.0 Average Monthly Benefit 473.37 1,010.25 1,480.91 2,306.85 2,930.0 Avera
Average Monthly Final Average Salary 2,735.94 3,260.28 3,679.97 2,784.56 2,464.55 Number of Active Retirees 865 266 221 382 17 Retirement Effective Dates - July 1, 2017 to June 30, 2018 455.14 991.06 1,472.39 2,325.23 2,954.5 Average Monthly Benefit 455.14 991.06 1,472.39 2,325.23 2,954.5 Average Monthly Final Average Salary 2,711.53 3,303.54 3,717.60 2,457.80 1,878.1 Number of Active Retirees 763 274 186 385 21 Retirement Effective Dates - July 1, 2016 to June 30, 2017 481.50 1,029.89 1,490.30 2,351.32 3,060.0 Average Monthly FAS 2,827.35 3,284.51 3,442.16 3,618.77 3,900.0 Number of Active Retirees 843 286 203 454 21 Retirement Effective Dates - July 1, 2015 to June 30, 2016 473.37 1,010.25 1,480.91 2,306.85 2,930.0 Average Monthly FAS 2,836.80 3,278.34 3,734.49 3,726.51 4,058.2 Number of Active Retirees
Number of Active Retirees 865 266 221 382 17 Retirement Effective Dates - July 1, 2017 to June 30, 2018 455.14 991.06 1,472.39 2,325.23 2,954.5 Average Monthly Final Average Salary 2,711.53 3,303.54 3,717.60 2,457.80 1,878.1 Number of Active Retirees 763 274 186 385 21 Retirement Effective Dates - July 1, 2016 to June 30, 2017 481.50 1,029.89 1,490.30 2,351.32 3,060.0 Average Monthly FAS 2,827.35 3,284.51 3,442.16 3,618.77 3,900.0 Number of Active Retirees 843 286 203 454 21 Retirement Effective Dates - July 1, 2015 to June 30, 2016 473.37 1,010.25 1,480.91 2,306.85 2,930.0 Average Monthly Benefit 473.37 1,010.25 1,480.91 2,306.85 2,930.0 Average Monthly FAS 2,836.80 3,278.34 3,734.49 3,726.51 4,058.2 Number of Active Retirees 830 238 163 441 22
Retirement Effective Dates - July 1, 2017 to June 30, 2018 Average Monthly Benefit 455.14 991.06 1,472.39 2,325.23 2,954.5 Average Monthly Final Average Salary 2,711.53 3,303.54 3,717.60 2,457.80 1,878.1 Number of Active Retirees 763 274 186 385 21 Retirement Effective Dates - July 1, 2016 to June 30, 2017 481.50 1,029.89 1,490.30 2,351.32 3,060.0 Average Monthly FAS 2,827.35 3,284.51 3,442.16 3,618.77 3,900.0 Number of Active Retirees 843 286 203 454 21 Average Monthly Benefit 473.37 1,010.25 1,480.91 2,306.85 2,930.0 Average Monthly FAS 2,836.80 3,278.34 3,734.49 3,726.51 4,058.2 Number of Active Retirees 830 238 163 441 22
Average Monthly Benefit 455.14 991.06 1,472.39 2,325.23 2,954.55 Average Monthly Final Average Salary 2,711.53 3,303.54 3,717.60 2,457.80 1,878.1 Number of Active Retirees 763 274 186 385 21 Retirement Effective Dates - July 1, 2016 to June 30, 2017 481.50 1,029.89 1,490.30 2,351.32 3,060.0 Average Monthly FAS 2,827.35 3,284.51 3,442.16 3,618.77 3,900.0 Number of Active Retirees 843 286 203 454 21 Retirement Effective Dates - July 1, 2015 to June 30, 2016 473.37 1,010.25 1,480.91 2,306.85 2,930.0 Average Monthly Benefit 473.37 1,010.25 1,480.91 2,306.85 2,930.0 Average Monthly FAS 2,836.80 3,278.34 3,734.49 3,726.51 4,058.2 Number of Active Retirees 830 238 163 441 22
Average Monthly Final Average Salary 2,711.53 3,303.54 3,717.60 2,457.80 1,878.1 Number of Active Retirees 763 274 186 385 21 Retirement Effective Dates - July 1, 2016 to June 30, 2017 481.50 1,029.89 1,490.30 2,351.32 3,060.0 Average Monthly FAS 2,827.35 3,284.51 3,442.16 3,618.77 3,900.0 Number of Active Retirees 843 286 203 454 21 Retirement Effective Dates - July 1, 2015 to June 30, 2016 473.37 1,010.25 1,480.91 2,306.85 2,930.0 Average Monthly Benefit 473.37 1,010.25 1,480.91 2,306.85 2,930.0 Average Monthly FAS 2,836.80 3,278.34 3,734.49 3,726.51 4,058.2 Number of Active Retirees 830 238 163 441 22
Number of Active Retirees 763 274 186 385 21 Retirement Effective Dates - July 1, 2016 to June 30, 2017 481.50 1,029.89 1,490.30 2,351.32 3,060.0 Average Monthly FAS 2,827.35 3,284.51 3,442.16 3,618.77 3,900.0 Number of Active Retirees 843 286 203 454 21 Retirement Effective Dates - July 1, 2015 to June 30, 2016 473.37 1,010.25 1,480.91 2,306.85 2,930.0 Average Monthly Benefit 473.37 1,010.25 1,480.91 2,306.85 2,930.0 Average Monthly FAS 2,836.80 3,278.34 3,734.49 3,726.51 4,058.2 Number of Active Retirees 830 238 163 441 22
Retirement Effective Dates - July 1, 2016 to June 30, 2017 Average Monthly Benefit 481.50 1,029.89 1,490.30 2,351.32 3,060.0 Average Monthly FAS 2,827.35 3,284.51 3,442.16 3,618.77 3,900.0 Number of Active Retirees 843 286 203 454 21 Retirement Effective Dates - July 1, 2015 to June 30, 2016 473.37 1,010.25 1,480.91 2,306.85 2,930.0 Average Monthly Benefit 473.37 1,010.25 1,480.91 2,306.85 2,930.0 Average Monthly FAS 2,836.80 3,278.34 3,734.49 3,726.51 4,058.2 Number of Active Retirees 830 238 163 441 22
Average Monthly Benefit 481.50 1,029.89 1,490.30 2,351.32 3,060.00 Average Monthly FAS 2,827.35 3,284.51 3,442.16 3,618.77 3,900.00 Number of Active Retirees 843 286 203 454 21 Retirement Effective Dates - July 1, 2015 to June 30, 2016 473.37 1,010.25 1,480.91 2,306.85 2,930.00 Average Monthly FAS 2,836.80 3,278.34 3,734.49 3,726.51 4,058.2 Number of Active Retirees 830 238 163 441 22
Average Monthly FAS 2,827.35 3,284.51 3,442.16 3,618.77 3,900.00 Number of Active Retirees 843 286 203 454 21 Retirement Effective Dates - July 1, 2015 to June 30, 2016 473.37 1,010.25 1,480.91 2,306.85 2,930.00 Average Monthly FAS 2,836.80 3,278.34 3,734.49 3,726.51 4,058.20 Number of Active Retirees 830 238 163 441 22
Number of Active Retirees 843 286 203 454 21 Retirement Effective Dates - July 1, 2015 to June 30, 2016 473.37 1,010.25 1,480.91 2,306.85 2,930.0 Average Monthly FAS 2,836.80 3,278.34 3,734.49 3,726.51 4,058.2 Number of Active Retirees 830 238 163 441 22
Retirement Effective Dates - July 1, 2015 to June 30, 2016 Average Monthly Benefit 473.37 1,010.25 1,480.91 2,306.85 2,930.0 Average Monthly FAS 2,836.80 3,278.34 3,734.49 3,726.51 4,058.2 Number of Active Retirees 830 238 163 441 22
Average Monthly Benefit 473.37 1,010.25 1,480.91 2,306.85 2,930.0 Average Monthly FAS 2,836.80 3,278.34 3,734.49 3,726.51 4,058.2 Number of Active Retirees 830 238 163 441 22
Average Monthly FAS 2,836.80 3,278.34 3,734.49 3,726.51 4,058.2 Number of Active Retirees 830 238 163 441 22
Number of Active Retirees 830 238 163 441 22
Retirement Effective Dates - July 1, 2014 to June 30, 2015
Average Monthly Benefit 464.07 1,113.73 1,535.49 2,344.41 2,904.5
Average Monthly Final Average Salary 2,768.57 3,238.30 3,493.35 3,521.92 3,868.0
Number of Active Retirees 835 258 214 468 20
Retirement Effective Dates - July 1, 2013 to June 30, 2014
Average Monthly Benefit 439.94 957.40 1,422.04 2,261.50 2,850.4
Average Monthly Final Average Salary 2,691.68 2,991.31 3,400.22 3,512.88 3,727.8
Number of Active Retirees 750 230 174 470 16
Retirement Effective Dates - July 1, 2012 to June 30, 2013
Average Monthly Benefit 439.47 909.99 1,503.68 2,308.12 2,788.1
Average Monthly Final Average Salary 2,549.33 2,817.05 3,527.85 3,309.36 3,654.4
Number of Active Retirees 789 209 184 508 19
Retirement Effective Dates - July 1, 2011 to June 30, 2012
Average Monthly Benefit 415.01 948.47 1,383.72 2,315.59 2,718.9
Average Monthly Final Average Salary 2,538.35 2,940.64 3,205.23 3,408.59 3,383.4
Number of Active Retirees 731 209 165 432 15
Retirement Effective Dates - July 1, 2010 to June 30, 2011
Average Monthly Benefit 445.50 991.98 1,507.80 2,322.97 2,710.1
Average Monthly Final Average Salary 2,583.34 2,897.53 3,182.95 3,380.22 3,418.1
Number of Active Retirees 638 183 177 420 18
Retirement Effective Dates - July 1, 2010 to June 30, 2020
Average Monthly Benefit 454.41 998.68 1,496.11 2,323.74 2,931.4
Average Monthly Final Average Salary 2,712.85 3,168.10 3,531.75 3,277.24 3,272.5
Number of Active Retirees 8,193 2,493 1,943 4,345 1,94

COMPARISON OF MONTHLY ANNUITY BY CREDITED YEARS OF SERVICE



COMPARISON OF RETIREES BY CREDITED YEARS OF SERVICE

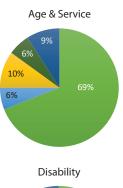


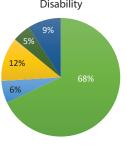
SCHEDULE OF RETIRED MEMBERS BY TYPE OF BENEFIT

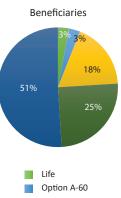
Annuities Being Paid as of June 30, 2020

Type of Annuity	Number	An	nual Annuities
Age & Service Retirees			
Life	22,021	\$	367,076,844
Option A-60 (5 years certain)	1,991		26,787,276
Option A-120 (10 years certain)	3,287		42,648,804
Option B-50 (joint and 50% survivor)	1,815		37,685,952
Option B-75 (joint and 75% survivor)	2,873		49,603,572
Total	31,987		523,802,448
Disability Retirees			
Life	2,179		22,545,528
Option A-60	186		1,748,052
Option A-120	400		3,978,600
Option B-50	163		1,731,672
Option B-75	287		2,788,740
Total	3,215		32,792,592
Beneficiaries of Age & Service Retirees			
Life	46		981,696
Option A-60	49		377,868
Option A-120	290		2,720,916
Option B-50	397		3,874,500
Option B-75	798		9,123,468
Total	1,580		17,078,448
Total Age & Service Retirees & Beneficiaries	33,567		540,880,896
Death-in-Service Beneficiaries	1,218		10,211,760
Total Death and Disability Retirees & Beneficiaries	4,433		43,004,352
QDRO Alternate Payees	285		2,284,872
Total Retirees & Beneficiaries	38,285		586,170,120
DROP Participants	1,520		50,936,592
Total Including DROP Participants	39,805	\$	637,106,712

Retired by Type of Benefit







Option A-120 Option B-50 Option B-75

The average monthly benefit is \$1,333.81.

SCHEDULE OF RETIREES AND BENEFITS PAID BY COUNTY*

(for the fiscal year ended June 30, 2020)

County	Retirees	Benefits Paid
Arkansas	207	\$ 2,962,432
Baxter	404	\$ 5,124,801
Chicot	264	\$ 3,255,154
Clay	193	\$ 1,962,524
Cleburne	394	\$ 5,552,965
Craighead	1,124	\$ 14,475,932
Crittenden	397	\$ 4,090,216
Cross	261	\$ 3,037,021
Desha	305	\$ 3,674,123
Fulton	166	\$ 1,900,767
Greene	408	\$ 4,769,711
Independence	468	\$ 5,471,365
Izard	225	\$ 2,683,148
Jackson	167	\$ 1,707,662
Jefferson**	239	\$ 3,364,367
Lawrence	233	\$ 3,003,319
Lee	175	\$ 2,328,443
Lincoln	287	\$ 4,188,186
Lonoke	969	\$ 15,102,367
Mississippi	381	\$ 4,746,839
Monroe	129	\$ 1,610,865
Phillips	280	\$ 2,907,214
Poinsett	258	\$ 2,608,501
Prairie	141	\$ 1,813,752
Randolph	247	\$ 2,866,669
St. Francis	418	\$ 4,583,125
Searcy	150	\$ 1,663,710
Sharp	258	\$ 3,040,678
Stone	260	\$ 3,056,290
Woodruff	107	\$ 1,103,286

District III

Retirees	Benefits Paid		
1,090	\$ 15,074,694		
452	\$ 5,442,105		
185	\$ 2,184,131		
478	\$ 7,693,896		
175	\$ 1,848,558		
87	\$ 1,146,766		
674	\$ 9,087,525		
701	\$ 9,258,127		
1,137	\$ 16,690,562		
	1,090 452 185 478 175 87 674 701		

District II

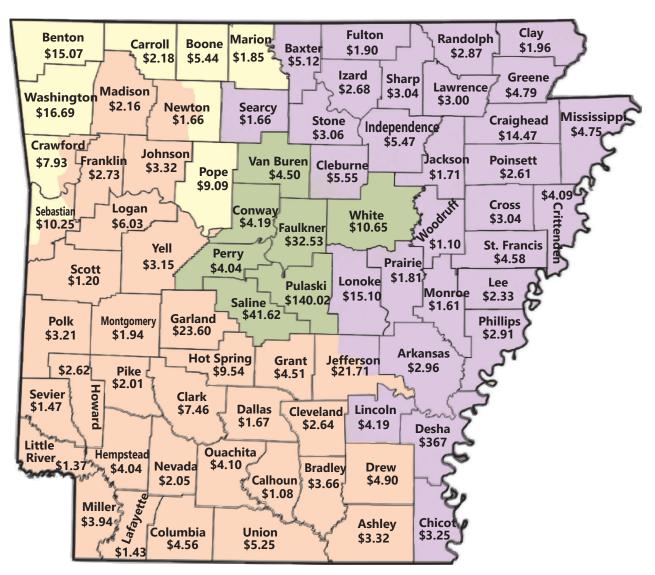
County	Retirees	Benefits Paid
Conway	334	\$ 4,186,174
Faulkner	1,973	\$ 32,529,459
Perry	279	\$ 4,043,239
Pulaski	6,811	\$ 140,021,234
Saline	2,299	\$ 41,618,507
Van Buren	320	\$ 4,505,769
White	827	\$ 10,653,973

District IV

County Retirees Benefits Paid Ashley 281 \$ 3,315,403 Bradley 296 \$ 3,665,128 Calhoun 93 \$ 1,077,977 Clark 552 \$ 7,463,927 Cleveland 184 \$ 2,640,658 Columbia 317 \$ 4,564,821 Crawford** 25 \$ 238,801 Dallas 152 \$ 1,670,094 Drew 340 \$ 4,903,786 Franklin 206 \$ 2,730,571 Garland 1,457 \$ 23,604,052 Grant 305 \$ 4,513,783 Hempstead 310 \$ 4,042,610 Hot Spring 718 \$ 9,541,442 Howard 197 \$ 2,623,289 Jefferson** 1,254 \$ 18,346,075 Johnson 249 \$ 3,319,640 Lafayette 127 \$ 1,426,785 Little River 144 \$ 1,367,260 Logan 503 \$ 6,033,920 Madison 175 </th <th>District IV</th> <th></th> <th></th> <th></th>	District IV			
Bradley 296 \$ 3,665,128 Calhoun 93 \$ 1,077,977 Clark 552 \$ 7,463,927 Cleveland 184 \$ 2,640,658 Columbia 317 \$ 4,564,821 Crawford** 25 \$ 238,801 Dallas 152 \$ 1,670,094 Drew 340 \$ 4,903,786 Franklin 206 \$ 2,730,571 Garland 1,457 \$ 23,604,052 Grant 305 \$ 4,513,783 Hempstead 310 \$ 4,042,610 Hot Spring 718 \$ 9,541,442 Howard 197 \$ 2,623,289 Jefferson** 1,254 \$ 18,346,075 Johnson 249 \$ 3,319,640 Lafayette 127 \$ 1,426,785 Little River 144 \$ 1,367,260 Logan 503 \$ 6,033,920 Madison 175 \$ 2,289,503 Miller 336 \$ 3,935,941 Montgomery 143	County	Retirees	В	enefits Paid
Calhoun 93 \$ 1,077,977 Clark 552 \$ 7,463,927 Cleveland 184 \$ 2,640,658 Columbia 317 \$ 4,564,821 Crawford** 25 \$ 238,801 Dallas 152 \$ 1,670,094 Drew 340 \$ 4,903,786 Franklin 206 \$ 2,730,571 Garland 1,457 \$ 23,604,052 Grant 305 \$ 4,513,783 Hempstead 310 \$ 4,042,610 Hot Spring 718 \$ 9,541,442 Howard 197 \$ 2,623,289 Jefferson** 1,254 \$ 18,346,075 Johnson 249 \$ 3,319,640 Lafayette 127 \$ 1,426,785 Little River 144 \$ 1,367,260 Logan 503 \$ 6,033,920 Madison 175 \$ 2,289,503 Miller 336 \$ 3,935,941 Montgomery 143 \$ 1,941,442 Newton** 50	Ashley	281	\$	3,315,403
Clark 552 \$ 7,463,927 Cleveland 184 \$ 2,640,658 Columbia 317 \$ 4,564,821 Crawford** 25 \$ 238,801 Dallas 152 \$ 1,670,094 Drew 340 \$ 4,903,786 Franklin 206 \$ 2,730,571 Garland 1,457 \$ 23,604,052 Grant 305 \$ 4,513,783 Hempstead 310 \$ 4,042,610 Hot Spring 718 \$ 9,541,442 Howard 197 \$ 2,623,289 Jefferson** 1,254 \$ 18,346,075 Johnson 249 \$ 3,319,640 Lafayette 127 \$ 1,426,785 Little River 144 \$ 1,367,260 Logan 503 \$ 6,033,920 Madison 175 \$ 2,289,503 Miller 336 \$ 3,935,941 Montgomery 143 \$ 1,941,442 Newton** 50 \$ 514,056 Nevada 176	Bradley	296	\$	3,665,128
Cleveland 184 \$ 2,640,658 Columbia 317 \$ 4,564,821 Crawford** 25 \$ 238,801 Dallas 152 \$ 1,670,094 Drew 340 \$ 4,903,786 Franklin 206 \$ 2,730,571 Garland 1,457 \$ 23,604,052 Grant 305 \$ 4,513,783 Hempstead 310 \$ 4,042,610 Hot Spring 718 \$ 9,541,442 Howard 197 \$ 2,623,289 Jefferson** 1,254 \$ 18,346,075 Johnson 249 \$ 3,319,640 Lafayette 127 \$ 1,426,785 Little River 144 \$ 1,367,260 Logan 503 \$ 6,033,920 Madison 175 \$ 2,289,503 Miller 336 \$ 3,935,941 Montgomery 143 \$ 1,941,442 Newton** 50 \$ 514,056 Nevada 176 \$ 2,055,852 Ouachita 350 <td>Calhoun</td> <td>93</td> <td>\$</td> <td>1,077,977</td>	Calhoun	93	\$	1,077,977
Columbia 317 \$ 4,564,821 Crawford** 25 \$ 238,801 Dallas 152 \$ 1,670,094 Drew 340 \$ 4,903,786 Franklin 206 \$ 2,730,571 Garland 1,457 \$ 23,604,052 Grant 305 \$ 4,513,783 Hempstead 310 \$ 4,042,610 Hot Spring 718 \$ 9,541,442 Howard 197 \$ 2,623,289 Jefferson** 1,254 \$ 18,346,075 Johnson 249 \$ 3,319,640 Lafayette 127 \$ 1,426,785 Little River 144 \$ 1,367,260 Logan 503 \$ 6,033,920 Madison 175 \$ 2,289,503 Miller 336 \$ 3,935,941 Montgomery 143 \$ 1,941,442 Newton** 50 \$ 514,056 Nevada 176 \$ 2,055,852 Ouachita 350 \$ 4,105,169 Pike 152	Clark	552	\$	7,463,927
Crawford** 25 \$ 238,801 Dallas 152 \$ 1,670,094 Drew 340 \$ 4,903,786 Franklin 206 \$ 2,730,571 Garland 1,457 \$ 23,604,052 Grant 305 \$ 4,513,783 Hempstead 310 \$ 4,042,610 Hot Spring 718 \$ 9,541,442 Howard 197 \$ 2,623,289 Jefferson** 1,254 \$ 18,346,075 Johnson 249 \$ 3,319,640 Lafayette 127 \$ 1,426,785 Little River 144 \$ 1,367,260 Logan 503 \$ 6,033,920 Madison 175 \$ 2,289,503 Miller 336 \$ 3,935,941 Montgomery 143 \$ 1,941,442 Newton** 50 \$ 514,056 Nevada 176 \$ 2,055,852 Ouachita 350 \$ 4,105,169 Pike 152 \$ 2,007,052 Polk 263	Cleveland	184	\$	2,640,658
Dallas 152 \$ 1,670,094 Drew 340 \$ 4,903,786 Franklin 206 \$ 2,730,571 Garland 1,457 \$ 23,604,052 Grant 305 \$ 4,513,783 Hempstead 310 \$ 4,042,610 Hot Spring 718 \$ 9,541,442 Howard 197 \$ 2,623,289 Jefferson** 1,254 \$ 18,346,075 Johnson 249 \$ 3,319,640 Lafayette 127 \$ 1,426,785 Little River 144 \$ 1,367,260 Logan 503 \$ 6,033,920 Madison 175 \$ 2,289,503 Miller 336 \$ 3,935,941 Montgomery 143 \$ 1,941,442 Newton** 50 \$ 514,056 Nevada 176 \$ 2,055,852 Ouachita 350 \$ 4,105,169 Pike 152 \$ 2,007,052 Polk 263 \$ 3,215,540 Scott 132 <	Columbia	317	\$	4,564,821
Drew 340 \$ 4,903,786 Franklin 206 \$ 2,730,571 Garland 1,457 \$ 23,604,052 Grant 305 \$ 4,513,783 Hempstead 310 \$ 4,042,610 Hot Spring 718 \$ 9,541,442 Howard 197 \$ 2,623,289 Jefferson** 1,254 \$ 18,346,075 Johnson 249 \$ 3,319,640 Lafayette 127 \$ 1,426,785 Little River 144 \$ 1,367,260 Logan 503 \$ 6,033,920 Madison 175 \$ 2,289,503 Miller 336 \$ 3,935,941 Montgomery 143 \$ 1,941,442 Newton** 50 \$ 514,056 Nevada 176 \$ 2,055,852 Ouachita 350 \$ 4,105,169 Pike 152 \$ 2,007,052 Polk 263 \$ 3,215,540 Scott 132 \$ 1,200,897 Sebastian** 78	Crawford**	25	\$	238,801
Franklin 206 \$ 2,730,571 Garland 1,457 \$ 23,604,052 Grant 305 \$ 4,513,783 Hempstead 310 \$ 4,042,610 Hot Spring 718 \$ 9,541,442 Howard 197 \$ 2,623,289 Jefferson** 1,254 \$ 18,346,075 Johnson 249 \$ 3,319,640 Lafayette 127 \$ 1,426,785 Little River 144 \$ 1,367,260 Logan 503 \$ 6,033,920 Madison 175 \$ 2,289,503 Miller 336 \$ 3,935,941 Montgomery 143 \$ 1,941,442 Newton** 50 \$ 514,056 Nevada 176 \$ 2,055,852 Ouachita 350 \$ 4,105,169 Pike 152 \$ 2,007,052 Polk 263 \$ 3,215,540 Scott 132 \$ 1,200,897 Sebastian** 78 \$ 988,804 Sevier 132	Dallas	152	\$	1,670,094
Garland 1,457 \$ 23,604,052 Grant 305 \$ 4,513,783 Hempstead 310 \$ 4,042,610 Hot Spring 718 \$ 9,541,442 Howard 197 \$ 2,623,289 Jefferson** 1,254 \$ 18,346,075 Johnson 249 \$ 3,319,640 Lafayette 127 \$ 1,426,785 Little River 144 \$ 1,367,260 Logan 503 \$ 6,033,920 Madison 175 \$ 2,289,503 Miller 336 \$ 3,935,941 Montgomery 143 \$ 1,941,442 Newton** 50 \$ 514,056 Nevada 176 \$ 2,055,852 Ouachita 350 \$ 4,105,169 Pike 152 \$ 2,007,052 Polk 263 \$ 3,215,540 Scott 132 \$ 1,200,897 Sebastian** 78 \$ 988,804 Sevier 132 \$ 1,468,124 Union 422 \$ 5,252,258	Drew	340	\$	4,903,786
Grant 305 \$ 4,513,783 Hempstead 310 \$ 4,042,610 Hot Spring 718 \$ 9,541,442 Howard 197 \$ 2,623,289 Jefferson** 1,254 \$ 18,346,075 Johnson 249 \$ 3,319,640 Lafayette 127 \$ 1,426,785 Little River 144 \$ 1,367,260 Logan 503 \$ 6,033,920 Madison 175 \$ 2,289,503 Miller 336 \$ 3,935,941 Montgomery 143 \$ 1,941,442 Newton** 50 \$ 514,056 Nevada 176 \$ 2,055,852 Ouachita 350 \$ 4,105,169 Pike 152 \$ 2,007,052 Polk 263 \$ 3,215,540 Scott 132 \$ 1,200,897 Sebastian** 78 \$ 988,804 Sevier 132 \$ 1,468,124 Union 422 \$ 5,252,258	Franklin	206	\$	2,730,571
Hempstead 310 \$ 4,042,610 Hot Spring 718 \$ 9,541,442 Howard 197 \$ 2,623,289 Jefferson** 1,254 \$ 18,346,075 Johnson 249 \$ 3,319,640 Lafayette 127 \$ 1,426,785 Little River 144 \$ 1,367,260 Logan 503 \$ 6,033,920 Madison 175 \$ 2,289,503 Miller 336 \$ 3,935,941 Montgomery 143 \$ 1,941,442 Newton** 50 \$ 514,056 Nevada 176 \$ 2,055,852 Ouachita 350 \$ 4,105,169 Pike 152 \$ 2,007,052 Polk 263 \$ 3,215,540 Scott 132 \$ 1,200,897 Sebastian** 78 \$ 988,804 Sevier 132 \$ 1,468,124 Union 422 \$ 5,252,258	Garland	1,457	\$	23,604,052
Hot Spring 718 \$ 9,541,442 Howard 197 \$ 2,623,289 Jefferson** 1,254 \$ 18,346,075 Johnson 249 \$ 3,319,640 Lafayette 127 \$ 1,426,785 Little River 144 \$ 1,367,260 Logan 503 \$ 6,033,920 Madison 175 \$ 2,289,503 Miller 336 \$ 3,935,941 Montgomery 143 \$ 1,941,442 Newton** 50 \$ 514,056 Nevada 176 \$ 2,055,852 Ouachita 350 \$ 4,105,169 Pike 152 \$ 2,007,052 Polk 263 \$ 3,215,540 Scott 132 \$ 1,200,897 Sebastian** 78 \$ 988,804 Sevier 132 \$ 1,468,124 Union 422 \$ 5,252,258	Grant	305	\$	4,513,783
Howard 197 \$ 2,623,289 Jefferson** 1,254 \$ 18,346,075 Johnson 249 \$ 3,319,640 Lafayette 127 \$ 1,426,785 Little River 144 \$ 1,367,260 Logan 503 \$ 6,033,920 Madison 175 \$ 2,289,503 Miller 336 \$ 3,935,941 Montgomery 143 \$ 1,941,442 Newton** 50 \$ 514,056 Nevada 176 \$ 2,055,852 Ouachita 350 \$ 4,105,169 Pike 152 \$ 2,007,052 Polk 263 \$ 3,215,540 Scott 132 \$ 1,200,897 Sebastian** 78 \$ 988,804 Sevier 132 \$ 1,468,124 Union 422 \$ 5,252,258	Hempstead	310	\$	4,042,610
Jefferson** 1,254 \$ 18,346,075 Johnson 249 \$ 3,319,640 Lafayette 127 \$ 1,426,785 Little River 144 \$ 1,367,260 Logan 503 \$ 6,033,920 Madison 175 \$ 2,289,503 Miller 336 \$ 3,935,941 Montgomery 143 \$ 1,941,442 Newton** 50 \$ 514,056 Nevada 176 \$ 2,055,852 Ouachita 350 \$ 4,105,169 Pike 152 \$ 2,007,052 Polk 263 \$ 3,215,540 Scott 132 \$ 1,200,897 Sebastian** 78 \$ 988,804 Sevier 132 \$ 1,468,124 Union 422 \$ 5,252,258	Hot Spring	718	\$	9,541,442
Johnson 249 \$ 3,319,640 Lafayette 127 \$ 1,426,785 Little River 144 \$ 1,367,260 Logan 503 \$ 6,033,920 Madison 175 \$ 2,289,503 Miller 336 \$ 3,935,941 Montgomery 143 \$ 1,941,442 Newton** 50 \$ 514,056 Nevada 176 \$ 2,055,852 Ouachita 350 \$ 4,105,169 Pike 152 \$ 2,007,052 Polk 263 \$ 3,215,540 Scott 132 \$ 1,200,897 Sebastian** 78 \$ 988,804 Sevier 132 \$ 1,468,124 Union 422 \$ 5,252,258	Howard	197	\$	2,623,289
Lafayette 127 \$ 1,426,785 Little River 144 \$ 1,367,260 Logan 503 \$ 6,033,920 Madison 175 \$ 2,289,503 Miller 336 \$ 3,935,941 Montgomery 143 \$ 1,941,442 Newton** 50 \$ 514,056 Nevada 176 \$ 2,055,852 Ouachita 350 \$ 4,105,169 Pike 152 \$ 2,007,052 Polk 263 \$ 3,215,540 Scott 132 \$ 1,200,897 Sebastian** 78 \$ 988,804 Sevier 132 \$ 1,468,124 Union 422 \$ 5,252,258	Jefferson**	1,254	\$	18,346,075
Little River 144 \$ 1,367,260 Logan 503 \$ 6,033,920 Madison 175 \$ 2,289,503 Miller 336 \$ 3,935,941 Montgomery 143 \$ 1,941,442 Newton** 50 \$ 514,056 Nevada 176 \$ 2,055,852 Ouachita 350 \$ 4,105,169 Pike 152 \$ 2,007,052 Polk 263 \$ 3,215,540 Scott 132 \$ 1,200,897 Sebastian** 78 \$ 988,804 Sevier 132 \$ 1,468,124 Union 422 \$ 5,252,258	Johnson	249		3,319,640
Logan 503 \$ 6,033,920 Madison 175 \$ 2,289,503 Miller 336 \$ 3,935,941 Montgomery 143 \$ 1,941,442 Newton** 50 \$ 514,056 Nevada 176 \$ 2,055,852 Ouachita 350 \$ 4,105,169 Pike 152 \$ 2,007,052 Polk 263 \$ 3,215,540 Scott 132 \$ 1,200,897 Sebastian** 78 \$ 988,804 Sevier 132 \$ 1,468,124 Union 422 \$ 5,252,258	Lafayette	127	\$	1,426,785
Madison 175 \$ 2,289,503 Miller 336 \$ 3,935,941 Montgomery 143 \$ 1,941,442 Newton** 50 \$ 514,056 Nevada 176 \$ 2,055,852 Ouachita 350 \$ 4,105,169 Pike 152 \$ 2,007,052 Polk 263 \$ 3,215,540 Scott 132 \$ 1,200,897 Sebastian** 78 \$ 988,804 Sevier 132 \$ 1,468,124 Union 422 \$ 5,252,258	Little River	144	\$	1,367,260
Miller336\$ 3,935,941Montgomery143\$ 1,941,442Newton**50\$ 514,056Nevada176\$ 2,055,852Ouachita350\$ 4,105,169Pike152\$ 2,007,052Polk263\$ 3,215,540Scott132\$ 1,200,897Sebastian**78\$ 988,804Sevier132\$ 1,468,124Union422\$ 5,252,258	Logan	503	\$	6,033,920
Montgomery 143 \$ 1,941,442 Newton** 50 \$ 514,056 Nevada 176 \$ 2,055,852 Ouachita 350 \$ 4,105,169 Pike 152 \$ 2,007,052 Polk 263 \$ 3,215,540 Scott 132 \$ 1,200,897 Sebastian** 78 \$ 988,804 Sevier 132 \$ 1,468,124 Union 422 \$ 5,252,258	Madison	175	\$	2,289,503
Newton** 50 \$ 514,056 Nevada 176 \$ 2,055,852 Ouachita 350 \$ 4,105,169 Pike 152 \$ 2,007,052 Polk 263 \$ 3,215,540 Scott 132 \$ 1,200,897 Sebastian** 78 \$ 988,804 Sevier 132 \$ 1,468,124 Union 422 \$ 5,252,258	Miller	336	\$	3,935,941
Nevada 176 \$ 2,055,852 Ouachita 350 \$ 4,105,169 Pike 152 \$ 2,007,052 Polk 263 \$ 3,215,540 Scott 132 \$ 1,200,897 Sebastian** 78 \$ 988,804 Sevier 132 \$ 1,468,124 Union 422 \$ 5,252,258	Montgomery	143	\$	1,941,442
Ouachita 350 \$ 4,105,169 Pike 152 \$ 2,007,052 Polk 263 \$ 3,215,540 Scott 132 \$ 1,200,897 Sebastian** 78 \$ 988,804 Sevier 132 \$ 1,468,124 Union 422 \$ 5,252,258	Newton**	50		514,056
Pike 152 \$ 2,007,052 Polk 263 \$ 3,215,540 Scott 132 \$ 1,200,897 Sebastian** 78 \$ 988,804 Sevier 132 \$ 1,468,124 Union 422 \$ 5,252,258	Nevada	176		2,055,852
Polk 263 \$ 3,215,540 Scott 132 \$ 1,200,897 Sebastian** 78 \$ 988,804 Sevier 132 \$ 1,468,124 Union 422 \$ 5,252,258	Ouachita	350	\$	4,105,169
Scott 132 \$ 1,200,897 Sebastian** 78 \$ 988,804 Sevier 132 \$ 1,468,124 Union 422 \$ 5,252,258	Pike	152	\$	2,007,052
Sebastian** 78 \$ 988,804 Sevier 132 \$ 1,468,124 Union 422 \$ 5,252,258	Polk	263	\$	3,215,540
Sevier 132 \$ 1,468,124 Union 422 \$ 5,252,258	Scott	132	\$	1,200,897
Union 422 \$ 5,252,258	Sebastian**	78	\$	988,804
	Sevier	132		1,468,124
Yell 253 \$ 3,149,929	Union	422		5,252,258
	Yell	253	\$	3,149,929

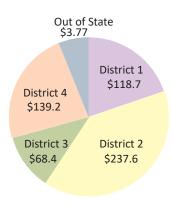
^{*}Does not include DROP or PAW lump sum payments. Totals may not add due to rounding.

^{**}County totals divided over two districts.



(The figures shown are benefits paid by county in millions of dollars)

Benefits By District	Total Retirees	٦	Total Amount
1st District	9,515	\$	118,655,433
2nd District	12,843	\$	237,558,355
3rd District	4,979	\$	68,426,365
4th District	10,372	\$	139,214,590
Out of State	3,768	\$	36,687,133
Total Retirees and Benefits	41,477	\$	600,541,876

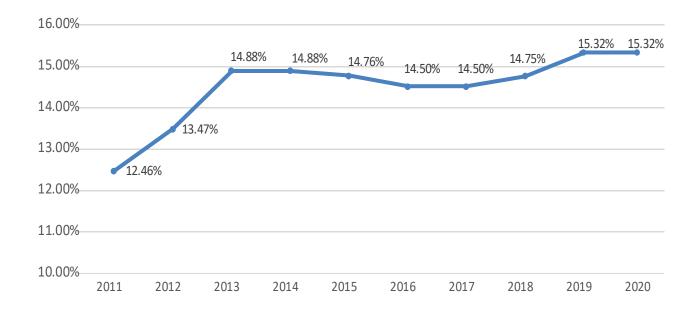


APERS PARTICIPATING EMPLOYERS

Reporting Entities by Category

8	8-7		
Fiscal Years Ended June 30	2020	2019	Reporting Entities 2020
State	256	253	Other Non-State Agencies
County	87	87	■ District Court Employees
Municipal	178	178	District Judges 13 38 34
School	48	53	School Employers 48
District Judges	13	14	256 State Agencies
District Court	38	39	1-0
Other Non-State	34	42	Municipal Agencies 178
Total	654	666	87
			■ County Agencies

Schedule of Employer Rates - 10 Year Comparison



Schedule of Participating Employers (as of June 30, 2020)

State Agencies

Abstractor's Board, Arkansas

Accountancy, Arkansas State Board of Public

Administrative Office of the Courts Aeronautics, Arkansas Department of Agriculture Department, Arkansas

Alcohol Abuse Program

Appraiser Licensing and Certification Board, Arkansas Architects, Landscape Architects and Interior Designers,

Arkansas Board of

Arkansas County Conservation District

Arkansas Northeastern College

Arkansas Senate

Arkansas State University

Arkansas State University - Beebe Arkansas State University - Newport Arkansas Technical University Ashley County Conservation District

Assessment Coordination Department, Arkansas

Athletic Commission, Arkansas State

Attorney General, Arkansas

Auctioneers Licensing Board, Arkansas

Auditor, Arkansas

Bail Bondsman Licensing Board, Arkansas

Bank Department, Arkansas State

Barber Examiners, Arkansas State Board of Baxter County Conservation District Benton County Conservation District

Black River Technical College Boone County Conservation District Buffalo Conservation District

Calhoun County Conservation District

Capitol Zoning District Commission, Arkansas

Carroll County Conservation District Chicot County Conservation District

Child Abuse and Neglect Prevention Board, Arkansas

Chiropractic Examiners, Arkansas State Board of

Claims Commission, Arkansas State
Clay County Conservation District
Cleburne County Conservation District
Collection Agencies, Arkansas State Board of

College of the Ouachitas

Columbia County Conservation District

Community Correction, Arkansas Department of

Constitutional Officers

Contractors Licensing Board, Arkansas Conway County Conservation District Correction, Arkansas Department of Cossatot Community College of the University of

Arkansas

Cossatot Conservation District

Counseling, Arkansas Board of Examiners in

Court of Appeals, Arkansas

Craighead County Conservation District Crawford County Conservation District Crime Information Center, Arkansas Crime Laboratory, Arkansas State

Crittenden County Conservation District Crooked Creek Conservation District Cross County Conservation District Dallas County Conservation District Dental Examiners, Arkansas State Board of

Department of Agriculture Department of Commerce Department of Correction Department of Education

Department of Energy and Environment Department of Finance and Administration

Department of Health

Department of Human Services
Department of Inspector General
Department of Labor and Licensing

Department of Parks, Heritage, and Tourism

Department of Public Safety Department of the Military

Department of Transformation and Shared Services

Department of Veterans Affairs
Deputy Prosecuting Attorneys
Desha County Conservation Districts
Development Finance Authority, Arkansas
Dietetics Licensing Board, Arkansas
Disabled Veterans Service Office

Disabled Veterans Service Office Drew County Conservation District East Arkansas Community College

Economic Development Commission, Arkansas Educational Television Network, Arkansas Election Commissioners, Arkansas State Board of Emergency Management, Arkansas Department of Engineers and Professional Surveyors, Arkansas Board of

Licensure for Professional

Environmental Quality, Arkansas Department of

Ethics Commission, Arkansas
Fair Housing Commission, Arkansas
Faulkner County Conservation District

Fifteenth (15th) Judicial District Victim Witness Office

Fifteenth (15th) Judicial Drug Task Force Fifth (5th) Judicial Drug Task Force

State Agencies continued

Finance and Administration, Arkansas Department of Fire Protection Licensing Board, Arkansas First (1st) Judicial Drug Task Force Fourteenth (14th) Judicial Drug Task Force

Franklin County Conservation District

Fulton County Conservation District

Game and Fish Commission, Arkansas

Garland County Conservation District

Geographic Information Office, Arkansas

Geological Survey, Arkansas

Geologists, Arkansas Board of Registration for Professional

Governor, Office of

Greene County Conservation District

Health Information Technology, Arkansas Office of

Health Services Permit Agency, Arkansas

Health, Arkansas Department of

Hearing Instrument Dispensers, Arkansas Board of

Hempstead County Conservation District

Henderson State University

Heritage, Arkansas Department of

Higher Education, Arkansas Department of

Home Inspector Registration Board, Arkansas

Hot Spring County Conservation District House of Representatives - Speaker's Office

House of Representatives, Arkansas

Human Services, Arkansas Department of

Independence County Conservation District

Information Systems, Arkansas Department of

Insurance Department, Arkansas Izard County Conservation District

Jackson County Conservation District

Jefferson County Conservation District

Johnson County Conservation District

Judicial Discipline and Disability Commission, Arkansas

Labor, Arkansas Department of Lafayette Conservation District

Law Enforcement Standards and Training, Arkansas

Commission

Lawrence County Conservation District Lee County Conservation District

Legislative Audit, Arkansas Division of

Legislative Research, Arkansas Bureau of

Library, Arkansas State

Lieutenant Governor, Office of Lincoln County Conservation District Liquefied Petroleum Gas Board, Arkansas

Logan County Conservation District

Lonoke County Conservation District

Lottery Commission, Arkansas

Madison County Conservation District

Manufactured Home Commission, Arkansas

Martin Luther King, Jr. Commission

Medicaid Inspector General, Office of

Medical Board, Arkansas State

Miller County Conservation District

Mine Creek Conservation District

Minority Health Commission, Arkansas

Mississippi County Conservation District

Monroe County Conservation District

Montgomery County Conservation District

Motor Vehicle Commission, Arkansas

National Park Community College

Natural Resources Commission, Arkansas

Nevada County Conservation District

Newton County Conservation District

North Arkansas College

Northwest Arkansas Community College

Nursing, Arkansas State Board of

Oil and Gas Commission, Arkansas

Opticians Arkansas Board of Dispensing

Optometry, Arkansas State Board of

Ouachita Conservation District

Ozarka College

Parks and Tourism, Arkansas Department of

Parole Board, Arkansas

Pharmacy, Arkansas State Board of

Phillips Community College of the University of Arkansas

Phillips County Conservation District

Physical Therapy, Arkansas State Board of

Pike County Conservation District

Poinsett County Conservation District

Pope County Conservation District

Poteau River Conservation District

Totala filori conscivation bistrict

Prairie County Conservation District

Prosecuting Attorney

Prosecutor Coordinator, Office of the

Psychology, Arkansas Board of

Public Defender Commission, Arkansas

Public Employees Retirement System, Arkansas

Public Service Commission, Arkansas

Pulaski Conservation District

Randolph County Conservation District

Real Estate Commission, Arkansas

Rehabilitation Services, Arkansas

Rich Mountain Conservation District

Riverside Vocational-Technical School

Saint Francis Conservation District

School for the Blind, Arkansas

State Agencies continued

School for the Deaf, Arkansas

Sebastian County Conservation District

Secretary of State, Arkansas Secretary of State, Office of Securities Department, Arkansas

Senate, Arkansas

Sentencing Commission, Arkansas Sharp County Conservation District Sixteenth (16th) Judicial Drug Task Force

Social Security Administration, Disability Determination

Social Work Licensing Board, Arkansas South Arkansas Community College

South Central Drug Task Force - Eighth (8th) Judicial

District

Southeast Arkansas College Southern Arkansas University Southern Arkansas University Tech

Speech-Language Pathology and Audiology, Arkansas

Board of Examiners in

Spinal Cord Commission, Arkansas

State District Courts

State Lands, Arkansas Commission of

State Military Department State Military Department

State Police, Arkansas Department of

Statewide Shared Services

Stone County Conservation District Student Loan Authority, Arkansas Supreme Court - Bar of Arkansas

Supreme Court, Arkansas

Tenth (10th) Judicial District Victim Assistance Office

Tenth (10th) Judicial Drug Task Force Third (3rd) Judicial Drug Task Force Thirteenth (13th) Judicial Drug Task Force

Tobacco Control Board, Arkansas

Tobacco Settlement Commission, Arkansas Towing and Recovery Board, Arkansas

Treasurer, Office of the

Twentieth (20th) Judicial District Drug Task Force Twenty-First (21st) Judicial Drug Task Force

Union County Conservation District

University of Arkansas - Pulaski Technical College

University of Arkansas at Fayetteville University of Arkansas at Fort Smith University of Arkansas at Little Rock University of Arkansas at Monticello University of Arkansas at Pine Bluff University of Arkansas College at Hope

University of Arkansas Community College at Batesville

University of Arkansas Community College at Morrilton University of Arkansas Cooperative Extension Service

University of Arkansas for Medical Sciences University of Arkansas Rich Mountain

University of Central Arkansas

Van Buren County Conservation District Veterans Affairs, Arkansas Department of

Veterans Child Welfare Service

War Memorial Stadium Commission

Veterinary Medical Examining Board, Arkansas

Washington County Conservation District Waterways Commission, Arkansas White County Conservation District Woodruff County Conservation District

Workers' Compensation Commission, Arkansas Workforce Services, Arkansas Department of

Yell County Conservation District

County Agencies

Arkansas Association of Counties

Arkansas County

Arkansas Valley Regional Library

Ashley County
Baxter County
Baxter County Library
Benton County
Boone County

Bradley County Calhoun County Carroll County Chicot County Clark County Clay County

Clay County - Western District

Cleburne County
Cleveland County
Columbia County
Conway County
Craighead County
Crawford County
Crittenden County
Cross County
Dallas County
Desha County
Drew County

East Central Arkansas Regional Library

Faulkner County
Franklin County

County Agencies continued

Fulton County Garland County Grant County

Grassy Lake and Tyronza Drainage District

Greene County Hempstead County Hot Spring County Howard County Independence County

Izard County
Jackson County
Jefferson County
Johnson County

Lafayette County
Lawrence County
Lee County
Lincoln County
Little River County
Logan County
Lonoke County
Madison County

Marion County
Miller County
Mississippi County
Monroe County
Montgomery County
Nevada County
Newton County
Ouachita County

Perry County
Phillips County
Phillips County Library
Pike County

Poinsett County Polk County Pope County Prairie County Pulaski County Randolph County

Randolph County Nursing Home

Saint Francis County
Saline County
Saline County Library

Scott County Searcy County Sebastian County Sevier County Sharp County Stone County Union County
Van Buren County
Washington County
White County

White County Public Library White River Regional Library

Woodruff County Yell County Yell County Library

Municipal Agencies

Alma Water and Sewer Department

Batesville Waterworks

Bradford Water and Sewer System

Brinkley Municipal Waterworks and Sewer Department

Camden Water and Utilities Central Arkansas Water

City of Alexander
City of Alma
City of Arkadelphia
City of Ash Flat
City of Ashdown
City of Augusta
City of Austin
City of Batesville

City of Beebe

City of Bentonville

City of Biscoe
City of Bono
City of Bradford
City of Brinkley
City of Bryant
City of Cabot
City of Caddo Valley
City of Calico Rock
City of Cammack Village

City of Carlisle
City of Cave City
City of Cave Springs
City of Cedarville
City of Centerton
City of Charleston
City of Cherry Valley
City of Clarksville
City of Clinton
City of Corning
City of Cotter

City of Crawfordsville City of Crossett

Municipal Agencies continued

City of Lowell
City of Decatur
City of Des Arc
City of Magnolia
City of Malvern

City of Dewitt City of Mammoth Spring City of Dierks City of Marked Tree City of Dover City of Marshall City of Elm Springs City of Marvell City of England City of McRae City of Eudora City of Melbourne City of Farmington City of Mena City of Flippin City of Monette City of Fordyce City of Monticello City of Foreman City of Morrilton City of Forrest City City of Mountain Home City of Gassville City of Mountain Pine City of Gentry City of Mountain View City of Goshen City of Mount Ida City of Gravette City of Nashville

City of Green Forest
City of Green Forest
City of Greenland
City of Hackett
City of Hamburg
City of Hampton
City of Hardy
City of Harrisburg
City of Harrisburg
City of Harrison
City of Perryville
City of Harrison
City of Plumerville

City of Harrison
City of Plumerville
City of Haskell
City of Hazen
City of Heber Springs
City of Helena-West Helena
City of Quitman

City of Highfill City of Rector City of Holly Grove City of Rison City of Hope City of Rogers City of Horatio City of Russellville City of Hot Springs City of Salem City of Huntington City of Searcy City of Huntsville City of Shannon Hills City of Huttig City of Sheridan

City of Jacksonville City of Smackover City of Jasper City of Stamps City of Junction City City of Star City City of Kibler City of Strong City of Knoxville City of Stuttgart City of Lamar City of Summit City of Lavaca City of Van Buren City of Lepanto City of Vilonia City of Leslie City of Waldron

City of Leslie City of Waldron
City of Lewisville City of Lincoln City of Lockesburg City of West Fork

Municipal Agencies continued

City of Wilmar City of Wynne City of Yellville

Clinton Water and Sewer Crossett Public Library Crossett Water Commission El Dorado Waterworks Fordyce Water and Sewer Forrest City Water Utility Fort Smith Public Library

Harrisburg Water and Gas Division

Hope Water and Light

Hot Springs Advertising and Promotion

Commission

Hot Springs Municipal Sewer System

Huntsville Water and Sewer Jacksonville Wastewater Utility Jacksonville Water Commission

Little Rock Water Reclamation Authority

Malvern Waterworks

McGehee Water and Sewer System

Mena Water and Sewer

Mount Pleasant Water Department Mountain View Water and Sewer System

Municipal League, Arkansas

North Little Rock Advertising & Promotion

Commission

Pangburn Water Department Piggott Light and Water System

Rogers Water Utilities Star City Water and Sewer

Stuttgart and North Arkansas County Library

Town of Arkansas City Town of Fountain Hill Town of Imboden Town of Ravenden Town of Shirley Town of Viola

Town of Western Grove Van Buren Municipal Utilities Vilonia Waterworks Association Warren Water and Sewer Wynne Water Utilities

Schools

Arkadelphia School District #1 Atkins School District #18 **Bald Knob School District** Benton School District #8 Bergman School District #3 Berryville School District Booneville School District #65 Cabot School District #4 Clarksville School District #17 Conway School District Cossatot River School District Des Arc School District #5 El Dorado School District #15 Fairview School District Fayetteville School District #1 Forrest City School District Fort Smith School District Greenwood School District #25 Helena-West Helena School District #2

Hope School District #1a Horatio School District #55 Hot Springs School District Huntsville School District Jonesboro Public Schools

Junction City School District #75 Lafayette County School District Lee County School District Little Rock School District McCrory Public Schools

Mountain Home School District #9 North Little Rock School District

Pine Bluff Schools

Pottsville School District #61

Pulaski County Special School District Russellville School District #14 Searcy County School District Sheridan School District #37 Siloam Springs School District #21

South Conway County School District

Two Rivers School District Van Buren School District #42 Waldron School District Warren School District #1 District Judges
Brinkley District Court
Camden District Court
Charleston District Court
Cherokee Village District Court

Clarksville District Court
East Camden District Court
Hot Springs District Court
Little Rock District Court
Newport District Court
Ouachita County District Cou

Ouachita County District Court Sharp County District Court

State District Judges

Woodruff County District Court

District Court Employers*

Alpena District Court Berryville District Court Booneville District Court Camden District Court

Cherokee Village District Court Clarendon District Court De Queen District Court Dermott District Court Devalls Bluff District Court Dumas District Court East Camden District Court

Elkins District Court

Eureka Springs District Court
Faulkner County District Court
Fayetteville District Court
Fort Smith District Court
Lake Village District Court
Little Rock District Court
Lonoke District Court
Marion District Court
Maumelle District Court
McCrory District Court
McGehee District Court
Newport District Court

North Little Rock District Court

Osceola District Court
Pine Bluff District Court
Sherwood District Court
Siloam Springs District Court
Springdale District Court
Texarkana District Court
Trumann District Court
Tyronza District Court

West Memphis District Court Wrightsville District Court

Other Non-State Employers

Alpine Public Water Authority Benton County Solid Waste District

Blytheville-Gosnell Regional Airport Authority

Boone County Airport

Boston Mountain Solid Waste Management District

Buffalo Island Regional Water District Clark County Country Water Facilities Fulton County Water Authority Highway 71 Water District No. 1

Hot Spring County Solid Waste Management District

James Fork Regional Water District Kimzey Regional Water District

Little River Rural Development Authority Water System

Madison County Water Facilities Board Magnet Butterfield Water Association Milltown-Washburn Water Users

Montgomery County Regional Water Authority

Nevada County-Prescott Solid Waste Management Authority

North Garland County Regional Water District

Northeast Arkansas Regional Solid Waste Management District

Northeast Public Water Authority Paragould Housing Authority

Pulaski Area Geographic Information System

Pulaski County Regional Solid Waste Management District

Riversouth Rural Water District

Saline County Regional Solid Waste Management District

Sardis Water Association South Bend Fire District #10

Southeast White County Water Authority Southwest Boone County Water Association

Southwest White County Regional Water Association

Upper Southwest Arkansas Solid Waste Management District

Washington Water Authority

Watson Chapel Public Water Authority

^{*}Employer doesn't participate in APERS with the exception of the district court judge and/or court clerk.