
Arkansas Local Police and Fire Retirement System

LOPFI

COMPREHENSIVE ANNUAL FINANCIAL REPORT

**Fiscal Years Ended
December 31, 2016 and
December 31, 2015**



LOPFI

Thirty-Fourth
Comprehensive Annual
Financial Report
Fiscal Years Ended
December 31, 2016 and
December 31, 2015

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Arkansas Local Police and Fire Retirement System
David B. Clark, Executive Director
Denise Collins, Chief Financial Officer

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The graphic features the text "Introductory Section" in a large, bold, black sans-serif font. The text is centered within a light gray rounded rectangular border. Behind the text is a stylized, light gray silhouette of two human profiles facing each other, with their heads touching at the top. The overall design is clean and professional.

Introductory Section

BOARD OF TRUSTEES



MIKE GASKILL
Chairman, Employer Trustee
Paragould
Term Expires Jan. 1, 2019



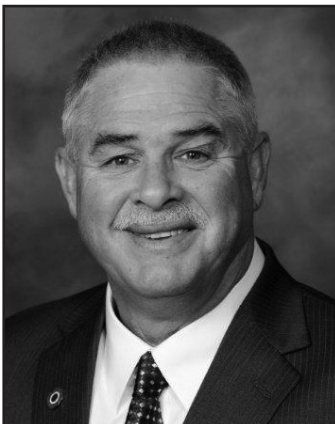
CATHERINE COOK
Employer Trustee
Hope
Term Expires Jan. 1, 2018



J. SCOTT BAXTER
Police Employee Trustee
Jonesboro
Term Expires Jan. 1, 2018



DAMON REED
Fire Employee Trustee
Conway
Term Expires Jan. 1, 2020



JOHN NEAL
Retired Fire Employee Trustee
Harrison
Term Expires Jan. 1, 2020



JACK "TIM" HILL
Retired Police Employee Trustee
Springdale
Term Expires Jan. 1, 2020



BEV LAMBERT
Public Trustee
Little Rock
Term Expires Jan. 1, 2019

Certificate of Achievement



Government Finance Officers Association

Certificate of Achievement for Excellence in Financial Reporting

Presented to

Arkansas Local Police and Fire Retirement System

For its Comprehensive Annual
Financial Report
for the Fiscal Year Ended

December 31, 2015

A handwritten signature in black ink, reading "Jeffrey R. Enev". The signature is fluid and cursive.

Executive Director/CEO

LOPFI

ARKANSAS LOCAL POLICE & FIRE RETIREMENT SYSTEM

Letter of Transmittal

June 6, 2017

Board of Trustees
Arkansas Local Police and Fire Retirement System
620 W. 3rd, Suite 200
Little Rock, AR 72201-2223

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Dear Trustees:

We are pleased to provide to you the Comprehensive Annual Financial Report (CAFR) of the Arkansas Local Police and Fire Retirement System (LOPFI) for the year ended December 31, 2016. This CAFR offers details for the 34th year of LOPFI's administration of retirement benefits for the covered police officers and firefighters.

LOPFI was created by the 1981 General Assembly for the purpose of establishing a statewide defined benefit retirement system for police officers and firefighters of political subdivisions in the State of Arkansas. LOPFI's benefit structure is governed by State law and Board policy. A seven member Board of Trustees (the Board) appoints an Executive Director to administer the system consistent with law and Board policy.

Accounting, Financial Reporting and Internal Controls

The accounting policies of LOPFI have been established to conform to generally accepted accounting principles (GAAP) in the United States. LOPFI uses an accrual basis of accounting, which means member and employer contributions are recognized as additions in the period that member services were performed and deductions are recognized when they are incurred.

The disclosure of the financial condition of the retirement system is a central function of the system's management. Responsibility for the accuracy and fair presentation, including disclosures, is a key responsibility of management. The financial statements have been prepared in accordance with GAAP and are presented in a manner consistent with factors established by the Governmental Accounting Standards Board (GASB), including, but not limited to, GASB Statement No. 67, *Financial Reporting for Pension Plans* and GASB Statement No. 34, *Basic Financial Statements---and Management's Discussion and Analysis (MD&A)*.

Letter of Transmittal

(Continued)

This Letter of Transmittal is intended to complement the MD&A; not replace it. The MD&A provides information regarding the basic financial statements and is located within the report from the system's independent auditors, which can be found in the Financial Section of the CAFR. The audit is conducted annually to ensure proper internal controls are in place so that the financial statements are fairly presented. The auditors have unobstructed access to all records and staff, which ensures a comprehensive examination occurs with each audit. LOPFI received an unmodified opinion from its independent auditor regarding its financial statements for the year ended December 31, 2016.

The system employs internal controls to provide confidence that the system's assets are safe from misuse, theft and/or loss, and that appropriate accounting data is collected. Internal controls are structured to provide a reasonable, not absolute, assertion that the safeguarding of system assets is present and that the financial records used in the preparation of the financial statements and accounting of the assets are valid. The concept behind internal controls recognizes that the cost of a control should not exceed its expected benefit. LOPFI's internal controls are examined regularly in an effort to detect and correct potential errors before they occur. Management believes these internal controls demonstrate that the financial statements, supporting schedules, and statistical tables are presented in an accurate, clear and concise manner.

Funding

A primary objective for LOPFI is to meet each and every benefit promise through investment earnings and contributions that stay approximately level as a percent of member payroll over decades of time. The Schedule of Funding Progress located in the Actuarial Section of this report shows the system continues to meet this objective. As of December 31, 2016, the funded ratio for the entire portfolio was 71% (this includes liabilities for the 176 Local Plans administered by LOPFI), and is an improvement from the previous year. Considering the LOPFI-only portion of the portfolio i.e. excluding the Local Plans administered by LOPFI, the funded percentage was 76%. This, too, is an improvement over the preceding year. The amortization schedules also experienced progress. The 2016 results allowed the paid service amortization to decrease from 18.8 years to 16.8 years. Volunteer service, which previously was at 21.2 years, dropped to 18.5 years. Both amortizations use a closed period and follow the Board's quest to move the system back to a fully funded position. Further details regarding the funded condition of LOPFI is located in the Actuarial Section of this report.

Letter of Transmittal

(Continued)

Investment Process and Performance

For the 2016-year, the system realized a 6.25% investment return. This result was a net return i.e. post investment fees. Since LOPFI began its operations in 1983 it has, on average, exceeded the assumed rate of return, which is currently 7.75%. The long term cumulative average for the investment return was 9.04% at the end of 2016. These facts are important as the members can have confidence that assets will always be available to pay the promised lifetime benefits for each covered police officer and firefighter. Once a career member steps into retired status, they will have a livable monthly retirement all through their retired years.

The investment process conforms to a Board-approved investment rule—Board Rule 20. The comprehensive rule lays out the responsibilities of the Board, its advisors, and the investment objectives for the system. The Board allocates assets among a number of investment management firms who are charged with investing those assets within a carefully defined framework. The framework includes investment style, expected return, level of risk, and other metrics. The Board continuously monitors performance through the use of an investment consultant and investment monitor. Both firms provide an independent analysis of each investment manager. The Board reviews the associated reports at least quarterly to ensure compliance with the stated objectives and investment rule. Ultimately the Board retains the sole authority for how the investment program is administered. The Investment Section of this CAFR provides greater details regarding the system's investments.

Certificate of Achievement for Excellence in Financial Reporting

The Government Finance Officers Association of the United States and Canada (GFOA) awarded a *Certificate of Achievement for Excellence in Financial Reporting* to LOPFI for its comprehensive annual financial report for the fiscal year ended December 31, 2015. This was the fourteenth consecutive year that LOPFI has achieved this prestigious award. In order to be awarded a Certificate of Achievement, a government must publish an easily readable and efficiently organized comprehensive annual financial report. This report must satisfy both generally accepted accounting principles and applicable legal requirements.

A Certificate of Achievement is valid for a period of one year only. We believe that our current comprehensive annual financial report continues to meet the Certificate of Achievement Program's requirements and we are submitting it to the GFOA to determine its eligibility for another certificate.

Letter of Transmittal (Continued)

Acknowledgments

This report was created as a result of the collective work performed by system staff and advisors and is truly appreciated. Each year LOPFI makes its CAFR easily accessible from the system's website. This allows interested parties such as the retirement system members, public, legislature, and all participating employer groups unfettered access to the report. The format remains clear and is intended to provide a report that is understandable as well as being a useful resource to the end-users.

LOPFI encourages all active and retired participants and participating employer groups to communicate your thoughts with us on how we may improve our service to you. You are welcome to visit with any member of staff to provide your feedback.

David B. Clark
Executive Director

Denise Collins
Chief Financial Officer

Administrative Organization

STAFF

David B. Clark
Executive Director

Denise Collins
Chief Financial Officer

ACTUARY

Gabriel, Roeder, Smith and Company
David Hoffman and Mita Drazilov
Southfield, Michigan

DATA PROCESSING

Tegrit Technologies
Livonia, Michigan

INVESTMENT MONITOR

AndCo Consulting
John McCann
Orlando, Florida

AUDITOR

BKD, LLP CPAs & Advisors
Andy Richards, CPA
Little Rock, Arkansas

INVESTMENT CONSULTANT

Stephens, Inc.
Larry Middleton
Little Rock, Arkansas

LEGAL COUNSEL

Eichenbaum Liles, P.A.
Richard L. Ramsay
Little Rock, Arkansas

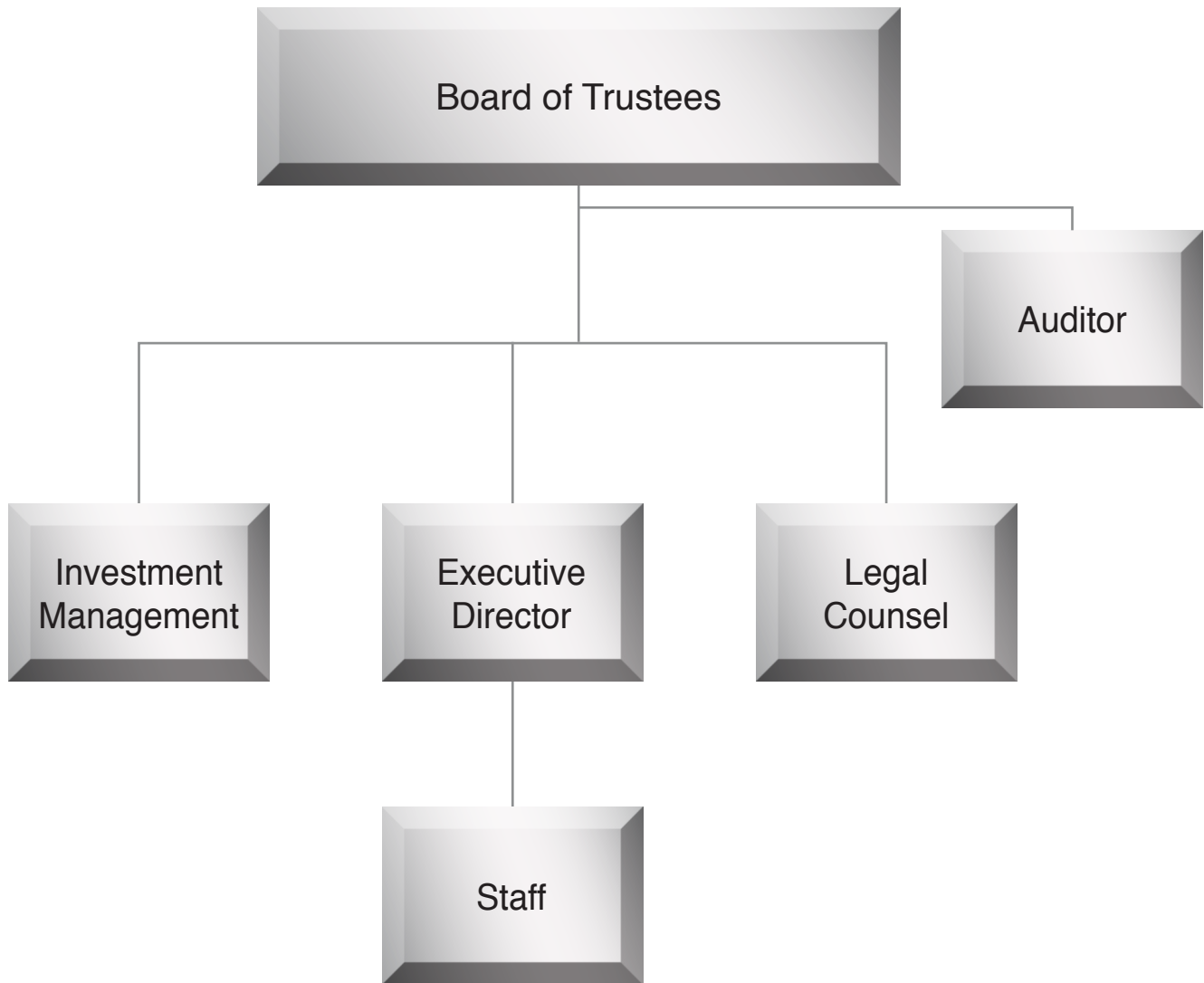
INVESTMENT MANAGEMENT

- *Aberdeen Asset Management*
Philadelphia, Pennsylvania
- *Alternative Investment Management (AIM)*
New York, New York
- *Barrow, Hanley, Mewhinney & Strauss*
Dallas, Texas
- *Candlewood Credit Value Fund*
New York, New York
- *Chickasaw Capital Management*
Memphis, Tennessee
- *Citigroup Private Equity*
New York, New York
- *ClearBridge*
Wilmington, Delaware
- *Congress Asset Management*
Boston, Massachusetts
- *Dodge & Cox*
Braintree, Massachusetts
- *Fisher Investments*
(International Bond & Emerging Markets)
Woodside, California
- *Garcia, Hamilton & Associates*
Houston, Texas
- *Goldentree Select Offshore Fund, LTD*
New York, New York
- *Goldman Sachs*
New York, New York
- *JP Morgan Investment Management, Inc.*
(Real Estate & Infrastructure)
New York, New York
- *KKR Mezzanine Partners*
(Energy & Direct Lending)
San Francisco, California
- *Lazard Asset Management*
New York, New York
- *Macquarie Infrastructure Partners, Inc.*
New York, New York
- *Neuberger Berman*
(Private Equity & Private Debt)
Dallas, Texas
- *New South Capital Management*
Memphis, Tennessee
- *Owl Rock Capital Corporation*
New York, New York
- *Pacific Investment Management Company*
(PIMCO) (International Bond & Distressed Debt)
Newport Beach, California
- *State Street Global Advisors*
Boston, Massachusetts
- *Wellington Management Company*
Boston, Massachusetts
- *Western Asset Management Company (WAMCO)*
(Domestic Bonds & High Yield)
Pasadena, California

Detailed information regarding investment management can be found in the Investment Section beginning on page 53.

Organization Chart

Members of the Retirement System



Summary of LOPFI Plan Provisions

PURPOSE

The Arkansas Local Police and Fire Retirement System (LOPFI) is a statewide retirement plan for police officers and firefighters of political subdivisions of the State of Arkansas. It is a qualified trust established under the authority of Act 364 of 1981, and bears a fiduciary obligation to the participants of the plan.

ADMINISTRATION

The general administration and the responsibility for the proper operation of the system is vested in a seven (7) member Board of Trustees. All Trustees are appointed by the Governor. The normal term of office for a Trustee is four (4) years. Four (4) of the appointed Trustees are employee representatives: an active firefighter and an active police officer, and a retired firefighter and a retired police officer are selected from lists submitted by the Joint Committee on Public Retirement and Social Security Programs. Two (2) members are employer trustees, who possess management experience and may be elected or appointed city officials. The remaining member is the public trustee, who represents the citizenry of the State of Arkansas. The public trustee is not a member of any governing body of a political subdivision of the State and is selected from a list submitted by the Legislative Joint Committee on Public Retirement and Social Security Programs. A list of the Board of Trustees and their terms of office is included in this report.

The Board of Trustees has vested the day to day management of LOPFI with an Executive Director. The Executive Director acts as an advisor to the Board on matters pertaining to the System and, with the approval of the Board, employs the remaining staff and seeks professional consultants needed to operate the System.

PARTICIPATION

LOPFI became effective July 1, 1981 and has different provisions for participation.

(1) Political subdivisions which had a local pension

and relief fund (Local Plan) for its firefighters and police officers as of July 1, 1981:

(a) All employees hired after January 1, 1983 (operative date), who would have participated under the Local Plans, will become LOPFI members.

(b) By voluntary mutual agreement of a political subdivision's governing body and the LOPFI Board, arrangement can be made for the Local Plan to be administered by LOPFI. This is not mandatory and does not mean there would be a change in the benefit provisions applicable to Local Plan members. It would be a change only in administrative structure.

(2) Political subdivisions which did not have a Local Plan for its firefighters and police officers as of July 1, 1981:

(a) Effective July 1, 1981, no new Local Plans may be established.

(b) The governing body of a political subdivision may elect to cover its firefighters and police officers under LOPFI. Memberships become effective the first day of the month after the LOPFI Board is notified that the local governing body has elected to provide such coverage.

CREDITED SERVICE

Credited service is the combination of a Member's total accrued years and months of paid service and/or volunteer service with one or more LOPFI-covered employer. Service may be granted simultaneously for both paid and volunteer service with the same location, but at separate departments (Ex: paid police officer who also serves as a volunteer firefighter or a paid firefighter who also serves as a volunteer police officer). Members are limited to earning paid or volunteer service at one LOPFI-covered department at a time.

Because LOPFI is a statewide retirement system with many participating political subdivisions, credited service can be a combination of service with more than one (1) employer.

NORMAL RETIREMENT

A member may retire after completing age and service requirements. The minimum service retirement age is 55, if the member has at least 20 years of service. For those desiring retirement with less than twenty years of service, but who have at least five (5) years, unless hired on or after July 1, 2013, which means the member must have ten (10) years of actual LOPFI credited service, the minimum age is 60 or a member may retire at any age with 28 years of credited service.

EARLY RETIREMENT

An active member may retire with an early retirement benefit after completing 25 years of paid service or at least age 50 and has at least 20 years of credited service. With early retirement the benefit is computed as a normal benefit, but is then reduced to account for the fact that benefit payments began at a younger age. The amount of the reduction is $\frac{1}{2}$ of 1% per month for each month that the retirant is younger than 55.

DEFERRED RETIREMENT

When the member is eligible for a deferred benefit, benefit payments may begin when normal retirement age is attained (age 55 with 20 years of credited service, age 60 with 5 years of credited service for members hired prior to July 1, 2013, age 60 with 10 years of actual LOPFI service credit for members hired on or after July 1, 2013, or any age with 28 years of credited service).

The deferred benefit is computed in the same manner as a normal benefit; however, when the effective date of the annuity is at least twelve (12) full months after termination the final average pay (FAP) is adjusted for changes in inflation. The amount of the adjustment is one-half of any percentage increase in the Consumer Price Index (CPI) for the period from three (3) months immediately preceding termination to three (3) months immediately preceding the effective date of retirement. In addition, if the member's paid service was covered by Social Security the 1% temporary annuity shall not be paid.

FINAL AVERAGE PAY

Final Average Pay (FAP) is the average of a member's

monthly pay during the 36 consecutive months of paid service producing the highest income, which is contained within the last 120 months of paid service. In the majority of cases, this is the last 3 years of employment. The pays usable in the determination of FAP are limited by the following tests: Pays during any twelve (12) consecutive months shall be usable only to the extent that the pays do not exceed thirty-one percent (31%) of the total pays in the final average pay period; and that if the final average pay period is less than four (4) full years, the maximum usable 31% shall be increased proportionally. FAP is not applicable to volunteer service.

AGE AND SERVICE BENEFIT

The normal retirement benefit is payable monthly to the member for life. The monthly benefit equals a specified amount multiplied by the member's number of years of credited service. The monthly amount depends on: 1) the amount and type of credited service the member has; 2) whether or not the member's paid service is covered by social security; and, 3) the member's FAP. The following formulas apply under the stated conditions:

(a) Paid service position not covered by social security
 $2.94\% \times \text{FAP} \times \text{Years of Service}$

(b) Paid service position covered by social security
 $2.94\% \times \text{FAP} \times \text{Years of Service}$ until first eligible for an unreduced social security benefit

THEN

$1.94\% \times \text{FAP} \times \text{Years of Service}$ when first eligible for unreduced social security benefit

(c) Volunteer

$\$6.39 \text{ per month} \times \text{Years of Service}$

(The \$6.39 benefit is indexed annually for inflation).

The maximum benefit for paid service is 100% of the member's FAP. For volunteer service the maximum benefit is attained at forty (40) years of credited volunteer service.

DUTY DISABILITY BENEFIT

A member who becomes totally and permanently disabled from duty-related injury or disease is eligible for a disability benefit. The benefit shall either be equal to 65% of FAP or equal to the annuity paid to retirants

for each year of paid service resulting from employment as provided for in ACA 24-10-602, whichever is greater.

NON-DUTY DISABILITY BENEFIT

A paid member with five (5) years of credited service, unless hired on or after July 1, 2013, which means the member must have ten (10) years of actual LOPFI credited service who becomes totally and permanently disabled from causes other than duty-related receives a non-duty benefit computed in the same manner as an age and service benefit, but based upon actual service and FAP at time of disability.

SURVIVOR BENEFIT

Upon the death of a member from duty-related causes, regardless of length of service, the designated beneficiary benefit is computed as if the member had 25 years of credited service and elected Option B50. When a paid member dies from non-duty related causes, who has at least five (5) years or more of credited service, unless hired on or after July 1, 2013, which means the member must have ten (10) years of actual LOPFI credited service the designated beneficiary benefit is computed as if the member had retired on the death date and elected Option B50.

POST RETIREMENT ADJUSTMENT

Beginning the first July following twelve (12) months of retirement, there is an annual redetermination of the monthly benefit amount. The redetermined amount shall be the amount of the benefit as of the immediately preceding July 1 increased by three percent (3%).

OPTIONAL FORMS OF PAYMENT

When a LOPFI member makes application for retirement, benefits may be calculated in four (4) optional forms and the member selects the one that best fits his/her retirement needs. Once the member's first benefit payment becomes payable the option is irrevocable, except with a life changing event. The options are:

Option A60: Under Option A60 a retirant receives an annuity for life, with the added provision that if he/she dies before being paid a total of 60 monthly payments, the same amount will be continued to his/her designated eligible beneficiary until a total of 60 monthly payments have been made. Option A60 pays an amount equal to 100% of the life benefit.

Option A120: This option has the same general provisions as Option A60 but the guaranteed payment period is 120 months rather than 60 months. This option pays a benefit equal to 98% of the life benefit.

Option B50: Under Option B50 a retirant receives a reduced monthly lifetime benefit with the added provision that should he/she die before his/her designated eligible beneficiary, the beneficiary will receive a monthly benefit for life equal to 50% of the reduced amount received by the retirant.

Option B75: Option B75 has the same general provisions as Option B50, but the percent of the reduced life benefit to the designated beneficiary is 75% instead of 50%.

DEFERRED RETIREMENT OPTION PLAN

The Deferred Retirement Option Plan (DROP) allows any LOPFI-covered paid service member who has at least 28 years of paid service or who has at least 20 years of paid service and is at least age 55, to accumulate a portion of their retirement benefit in a separate account, without terminating employment. The member defers receipt of benefits as described below.

For purposes of a DROP benefit calculation, total credited service shall not include purchased service credit. However, military service credit earned under ACA 24-10-502 shall count towards the total credited service. In addition, Act 829 of 2015 allows up to 36 months of actual LOPFI volunteer service credit to be used toward DROP eligibility.

When a paid member elects to enter DROP, their future monthly retirement benefit is calculated as though the member was leaving employment at the time of entry into DROP and means no further paid or volunteer service credit accrual, for retirement benefit purposes, will occur. For members who have at least 28 years of service before electing to participate in DROP, 75% of the member's monthly benefit is placed into the member's DROP account. Members who have at least 20 years of service, but less than 28 years of service, and are at least age 55 before electing to participate in DROP, 72% of the member's monthly benefit is placed into the member's DROP account. The member's DROP account balance earns 6% annual interest and is awarded based on the average balance in the member's DROP account. During DROP the member contributions and employer contributions

shall continue and are credited to the retirement system.

The member may remain in DROP up to a maximum of seven (7) years. DROP participants will begin receiving a 3% compound cost of living adjustment (COLA) to their future monthly retirement benefit in July once they reach year six (6) in DROP. At the conclusion of DROP, the member shall terminate employment and begin receiving the full monthly retirement benefit calculated at the time they entered DROP including the benefit attributable to any LOPFI volunteer service credit accrual prior to enrollment in DROP, plus any applicable COLA. At the option of the member, the DROP account balance can be received either as a lump-sum payment equal to the payments into their DROP account, or as a monthly annuity that is the actuarial equivalent of the lump-sum to be paid in the form of the benefit option elected at the time of enrollment in DROP, which is also effective with the first retirement benefit payment.

If a DROP annuity is chosen and the member dies during the DROP annuity period and before the total of the monthly DROP annuity payments equals or exceeds the original DROP account balance prior to distribution, that difference shall be paid to the member's survivor(s), or if none, the member's estate. The survivor(s) may choose to either continue the DROP annuity payments or accept a lump-sum distribution. If the balance is paid to an estate it shall be paid in a lump-sum distribution.

If a member becomes disabled while participating in DROP, the member shall be treated as though they had concluded DROP.

PARTIAL-ANNUITY and LUMP-SUM OPTION

Any active vested member who is eligible for an unreduced retirement benefit and was not eligible or did not elect to participate in the DROP, may elect to participate in the partial-annuity and lump-sum (PALS) option.

A member who elects to participate in this PALS option shall be eligible to receive, at the time of retirement, a lump-sum distribution in an amount not exceeding one (1) month of benefit for each completed month of service beyond eligibility for an unreduced retirement benefit. The lump-sum shall not exceed an amount equal to 60 months of retirement benefits.

If a member elects to participate in the PALS option, the member's retirement benefit shall be reduced by an amount that is the actuarial equivalent of the withdrawn amount.

MEMBER CONTRIBUTIONS

Member contribution rates are dependent upon the type of service rendered and whether or not that service is also covered by Social Security. Effective July 1, 2009, all member contributions remitted to the system are on a pre-tax basis. The different member contribution rates are:

- (1) Paid service not covered by Social Security: 8.5% of pay.
- (2) Paid service also covered by Social Security: 2.5% of pay.
- (3) Paid service under Benefit Program 2: 8.5% of pay.
- (4) Volunteer service: No contribution.

EMPLOYER CONTRIBUTIONS

LOPFI requires that each employer make the actuarially required contribution in order to finance the benefits that political subdivisions have promised their employees. The actuary adjusts the rates annually to reflect each employer's experience.

Summary of Plan Provisions

For Local Fire and Police Pension and Relief Funds Under LOPFI Administration

HISTORY

Legislative action dating back to 1921 and 1937 provided cities and towns with the option to establish retirement and relief fund programs (Local Plans) for firefighters and police officers, respectively. However, such authority was cancelled with the effective date of LOPFI, July 1981. Therefore, all Local Plans were established prior to this date.

ADMINISTRATION

By voluntary mutual agreement, the City's governing body may enter into a management agreement for the administration of a Local Plan with the LOPFI Board of Trustees. Under the arrangement coverage provided by LOPFI is administrative only and does not change the benefit structure of the Local Plan.

PARTICIPANTS

Under the Local Plans, membership is extended to certified uniformed personnel of police and fire departments in cities and towns with established plans.

CREDITED SERVICE

Credited service is the combination of an employee's years of covered employment in paid and/or volunteer service. For police members and paid fire members, only service credit that is accrued under one employer is counted. However, volunteer fire members may combine service of five-year increments or more from other employers for retirement.

MEMBER CONTRIBUTIONS

Paid members contribute 6% of salary if they do not participate in social security. For members participating in social security, the required contribution is 4% of salary. Volunteer members contribute \$12 per year.

NORMAL RETIREMENT

A member may retire with 20 years of service regardless of age.

SERVICE BENEFIT

Paid Members

Annual benefits equal to 50% of final pay attached to rank for firefighters and 50% of the highest salary for police officers. The minimum benefit is \$4,200 per year. If more than 20 years of service credit is accrued, \$240 annually is granted for each additional year of service credit, up to \$1,200 for 25 years of service. For retirants who accrue more than 25 years of service prior to the enrollment in their Local Plan's deferred retirement option plan (DROP), if applicable, and are age 60, an additional benefit of 1.25% of final pay is payable for each year over 25 years of service to a maximum of 100% of final pay or salary.

Volunteer Members

The minimum annual benefit is \$1,200 per year. An additional benefit of \$120 annual for each additional year of service over 20 years is granted up to a maximum amount of \$1,800 annually for 25 years of service or more.

DISABILITY RETIREMENT

Members with a total and permanent physical or mental disability resulting from a duty related injury are granted 65% of final pay attached to rank for firefighters and 65% of highest salary for police officers. Members found to be suffering with a non-duty disability are granted 50% of final pay or highest compensation.

Volunteer members receive a disability benefit that equals the same as a regular retirement benefit. The minimum benefit is \$100 per month.

SURVIVOR BENEFITS

A widow receives the same amount the member was receiving or eligible for, excluding the 1.25% additional formula for service over 25 years. Surviving children may receive \$1,500 annually up to age 19 for fire, up to age 18 for police or until marriage if occurs before the age limit. The age limit may be extended to age 23 if attending college.

The spouse of a volunteer member receives the benefit the member received or would have received. Surviving children may receive \$300 annually up to age 19 or marriage, whichever occurs first.



Financial Section

Independent Auditor's Report

Board of Trustees
Arkansas Local Police and Fire Retirement System
Little Rock, Arkansas

Report on the Financial Statements

We have audited the accompanying financial statements of the Arkansas Local Police and Fire Retirement System (the System) as of and for the years ended December 31, 2016 and 2015, and the related notes to the financial statements, which collectively comprise the System's basic financial statements as listed in the table of contents.

Management's Responsibility for the Financial Statements

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

Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audits. We conducted our audits in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audits to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinion

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of the Arkansas Local Police and Fire Retirement System as of December 31, 2016 and 2015, and the changes in its financial position for the years then ended in accordance with accounting principles generally accepted in the United States of America.

Required Supplementary Information

Accounting principles generally accepted in the United States of America require that the management's discussion and analysis and pension information listed in the table of contents be presented to supplement the financial statements. Such information, although not part of the basic financial statements, is required by the Governmental Accounting Standards Board, who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements and other knowledge we obtained during our audits of the financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

BKD, LLP

Little Rock, Arkansas
May 26, 2017

Arkansas Local Police and Fire Retirement System

Management's Discussion and Analysis

December 31, 2016 and 2015

This discussion and analysis of the Arkansas Local Police and Fire Retirement System (hereafter referred to as LOPFI or the System) is for the years ended December 31, 2016 and 2015. This analysis provides a summary of the financial position of LOPFI, including highlights and comparisons. For more detailed information regarding LOPFI financial activities, the reader should also review the actual financial statements, including notes and supplementary schedules.

The basic financial statements consist of:

The *Statement of Fiduciary Net Position*, which reports the pension fund assets, liabilities and net position restricted for pensions at the end of the calendar year. The *Statement of Fiduciary Net Position* is prepared on the accrual basis and for the most part, the plan's net position restricted for pensions are reported on a fair value basis.

The *Statement of Changes in Fiduciary Net Position*, which reports the pension fund transactions that occurred during the calendar year where additions – deductions = net increase (decrease) in fiduciary net position. It is an operating statement that reports the net increase or decrease in net position restricted for pensions from the beginning of the year until the end of the year.

The *Notes to the Financial Statements* are an integral part of the above financial statements and include additional information not readily evident in the statements themselves.

The *Required Supplementary Information and Schedules* following the *Notes to the Financial Statements* provide added historical and detailed information considered useful in evaluating the condition of LOPFI.

The following pages contain summary comparative statements of LOPFI's pension trust fund for years 2016 and 2015.

Arkansas Local Police and Fire Retirement System

Management's Discussion and Analysis

December 31, 2016 and 2015

Summary Statements of Net Position Restricted for Pensions

	2016	2015	2014	2016 Percentage Change	2015 Percentage Change
Cash and cash equivalents	\$ 139,403,804	\$ 144,832,792	\$ 113,376,254	-3.75%	27.75%
Total receivables	7,745,199	7,308,563	3,865,919	5.97%	89.05%
Prepaid expenses	7,100,260	7,089,358	5,656,335	0.15%	25.33%
Total investments, at fair value	1,615,820,171	1,488,064,365	1,487,784,135	8.59%	0.02%
Property and equipment, net	2,395,153	730,084	660,949	228.07%	10.46%
Other assets	6,329	159,462	9,864	-96.03%	1516.61%
Total assets	\$ 1,772,470,916	\$ 1,648,184,624	\$ 1,611,353,456	7.54%	2.29%
Accounts payable and accrued expenses	1,214,905	1,042,925	962,561	16.49%	8.35%
Refunds payable	64,751	236,825	145,244	-72.66%	63.05%
Due to Pension Review Board	352,259	226,562	153,952	55.48%	47.16%
Total liabilities	1,631,915	1,506,312	1,261,757	8.34%	19.38%
Net position restricted for pensions	1,770,839,001	1,646,678,312	1,610,091,699	7.54%	2.27%
Total net position and liabilities	\$ 1,772,470,916	\$ 1,648,184,624	\$ 1,611,353,456	7.54%	2.29%

December 31, 2016

Cash and cash equivalents decreased as a result of capital call commitments and increased allocations due to alternative asset managers previously added to the portfolio. Total investments increased, which reflects the improvements of the financial markets in 2016. The gain in total receivables is due to continued growth in active membership coupled with augmented wages reported by LOPFI-covered employer groups and the receipt of \$9.8 million from the newly consolidated local plan assets. The increase in fixed assets, net of accumulated depreciation, includes a reclassification of certain assets from investments to fixed assets.

December 31, 2015

Cash and cash equivalents increased due to market conditions that indicated a higher cash position was appropriate. There was an increase in total receivables due to continued growth in employer and member contributions. The total investments increased slightly due to returns and the addition of \$11 million in assets from newly consolidated local plans.

Arkansas Local Police and Fire Retirement System

Management's Discussion and Analysis

December 31, 2016 and 2015

Summary Statements of Changes in Net Position Restricted for Pensions

	2016	2015	2014	2016 Percentage Change	2015 Percentage Change
Total contributions	\$ 130,581,208	\$ 123,004,633	\$ 116,236,817	6.16%	5.82%
Net investment income	98,810,912	2,229,569	107,518,419	4331.84%	-97.93%
Total additions	229,392,120	125,234,202	223,755,236	83.17%	-44.03%
Benefits paid to participants	88,975,265	79,109,425	70,660,012	12.47%	11.96%
Refunds of contributions	1,860,721	1,628,853	1,425,245	14.24%	14.29%
Administrative expenses	3,106,088	2,971,482	2,554,870	4.53%	16.31%
Deferred retirement option distributions	11,289,357	4,937,829	6,999,389	128.63%	-29.45%
Total deductions	105,231,431	88,647,589	81,639,516	18.71%	8.58%
Net increase in fiduciary net position	\$ 124,160,689	\$ 36,586,613	\$ 142,115,720	239.36%	-74.26%

December 31, 2016

Employer and member contributions continued to increase due to rising active paid membership and associated wages reported by LOPFI-covered employer groups. The net investment income increased as a result of portfolio generated a return of 6.25%. Both the domestic and international equity markets have continued to gain momentum as corporate earnings remain strong, unemployment rates remain low, and interest rates remain low for debt issuance. An increase in benefits paid to participants is a combination of the growing number of retired LOPFI members as well as the addition of retirees from the newly consolidated local plans. There was a slight increase in administrative expenses in 2016 as a result of investment related costs, features added to enhance the workflow processes and an upgrade to the Microsoft Dynamics accounting software. The Deferred Retirement Option Plan (DROP) distributions increased as a natural result of more DROP participants, both LOPFI and local plans administered by LOPFI, retiring in the current year.

December 31, 2015

Employer and member contributions increased due to a rise of active paid membership and associated wages reported by LOPFI-covered employer groups. The net investment income decreased as a result of lower investment returns as compared to the preceding year. An 11.96% increase in benefits paid to participants is a combination of an increase in the number of retired LOPFI members as well as the addition of retirees from the newly consolidated local plans. Refunds of member contributions increased slightly in 2015, which indicate that a greater number of members terminating coverage with the System elected to remove their member contributions. There was a slight increase to administrative expenses in 2015 primarily the result of data processing improvements designed to improve workflow efficiencies, enhancing the Member Portal for online Retirement and Refund applications, as well as the ability to electronically receive their Form 1099-R. The DROP distributions decreased due to members choosing to remain in DROP as opposed to terminating employment and electing retirement.

Arkansas Local Police and Fire Retirement System

Statements of Fiduciary Net Position

December 31, 2016 and 2015

	2016	2015
Assets		
Cash and equivalents	\$ 139,403,804	\$ 144,832,792
Receivables		
Contributions	7,717,990	7,283,450
Other receivables	27,209	25,113
Total receivables	7,745,199	7,308,563
Prepaid expenses	7,100,260	7,089,358
Investments, at fair value		
Equity securities – U.S. companies	265,267,512	233,546,314
Equity securities – international companies	63,028,463	59,462,876
Mutual funds	1,019,961,335	816,356,320
U.S. Treasury securities	57,933,795	79,039,080
Corporate bonds	23,529,095	48,621,171
Foreign bonds	-	279,909
Mortgage-backed securities	16,775,333	37,160,197
Collateralized mortgage obligations	258,532	24,611,276
Municipal obligations	-	120,156
Alternative investments	169,066,106	186,998,739
Real estate investment	-	1,868,327
Total investments, at fair value	1,615,820,171	1,488,064,365
Property and equipment, net of accumulated depreciation; 2016 – \$1,983,576, 2015 – \$769,150	2,395,153	730,084
Other assets	6,329	159,462
Total assets	1,772,470,916	1,648,184,624
Liabilities		
Accounts payable and accrued expenses	1,214,905	1,042,925
Refunds payable	64,751	236,825
Due to Pension Review Board	352,259	226,562
Total liabilities	1,631,915	1,506,312
Net Position Restricted for Pensions	\$ 1,770,839,001	\$ 1,646,678,312

See Notes to Financial Statements

Arkansas Local Police and Fire Retirement System

Statements of Changes in Fiduciary Net Position

Years Ended December 31, 2016 and 2015

	2016	2015
Additions		
Contributions		
Member contributions	\$ 22,247,783	\$ 21,229,760
Employer contributions	98,532,455	90,771,991
Local plan administrative mergers and paid military time	9,800,970	11,002,882
Total contributions	130,581,208	123,004,633
Investment Income		
Net increase (decrease) in fair value of investments	68,214,663	(39,608,710)
Interest, dividends and other income	35,485,084	47,446,832
Less investment expenses	(4,888,835)	(4,696,665)
Securities lending loss	-	(888,367)
Securities lending expenses	-	(23,521)
Net investment income	98,810,912	2,229,569
Total additions	229,392,120	125,234,202
Deductions		
Benefits paid to participants	88,975,265	79,109,425
Refunds of contributions	1,860,721	1,628,853
Administrative expenses	3,106,088	2,971,482
Deferred retirement option distributions	11,289,357	4,937,829
Total deductions	105,231,431	88,647,589
Net Increase in Net Position Restricted for Pensions	124,160,689	36,586,613
Net Position Restricted for Pensions, Beginning of Year	1,646,678,312	1,610,091,699
Net Position Restricted for Pensions, End of Year	\$ 1,770,839,001	\$ 1,646,678,312

See Notes to Financial Statements

Arkansas Local Police and Fire Retirement System

Notes to Financial Statements

December 31, 2016 and 2015

Note 1: Reporting Entity and Summary of Significant Accounting Policies

The Arkansas Local Police and Fire Retirement System (the System or LOPFI) is a statewide retirement plan for police officers and firefighters of political subdivisions of the State of Arkansas. It was established under the authority of Act 364 of 1981 and bears a fiduciary obligation to the participants of the System. LOPFI maintains a cost-sharing multiple-employer defined benefit pension plan for participants hired by the respective local government unit after January 1, 1983. Political subdivisions that had a local pension and relief fund (local plan) for its firefighters and police officers prior to the establishment of LOPFI may transfer their local plan to LOPFI for administration. All local plans that are now being administered by LOPFI are agent multiple-employers defined benefit pension plans. The assets of all plans are pooled and maintained in one trust. All accumulated plan assets are available to pay any benefit (or to refund any contribution) to any plan member or beneficiary.

LOPFI policy is established by a seven-member Board of Trustees (Board): two trustees who are active members of the system; one police officer and one firefighter nominated by their respective employee groups and appointed by the Governor; two employer representatives from governing bodies of participating political subdivisions and appointed by the Governor from a list submitted by the Arkansas Municipal League; two retired members, one police officer and one firefighter, appointed by the Governor from a list provided by the Joint Committee on Public Retirement and Social Security Programs; and one citizen who is neither an employee nor employer of the System, appointed by the Governor from a list submitted by the Joint Committee on Public Retirement and Social Security Programs. An Executive Director is appointed by the Board and administers the System in a manner consistent with law and Board policy.

Basis of Accounting

The accounting policies of the System have been established to conform to generally accepted accounting principles for state and local governments as promulgated by authoritative pronouncements issued by the Governmental Accounting Standards Board. The System is accounted for on an economic resources measurement focus using the accrual basis of accounting. Plan member and employer contributions are recognized as additions in the period in which plan member services are performed. Benefits and refunds are recognized when paid in accordance with the terms of the Plan. Deductions are recognized as incurred.

Valuation of Investments

Investments are stated at fair value in the accompanying statements of fiduciary net position. The fair value of marketable investments, including U.S. government securities, mutual funds, corporate bonds and stocks, is determined by the latest bid price or by the closing exchange price at statement of fiduciary net position dates. The fair values of private equities are based on management's valuation of estimates and assumptions from information and representations provided by the respective general partners, in the absence of readily ascertainable market values.

Arkansas Local Police and Fire Retirement System

Notes to Financial Statements

December 31, 2016 and 2015

Purchases and sales of securities are recorded on a trade-date basis. Interest income is recorded on the accrual basis. Dividends are recorded on the ex-dividend date.

Net increase in fair value of investments reflected in the accompanying statements of changes in fiduciary net position represents gains or losses realized during the year plus or minus the change in the net unrealized gains or losses on investments. The change in net unrealized gains or losses on investments represents the change in the difference between the cost and fair value of investments at the beginning versus the end of the year.

Use of Estimates

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires the System's management to make estimates and assumptions that affect reported amounts of assets and liabilities and disclosure of contingent assets and liabilities and the actuarial valuation of the System's benefits at the date of the financial statements and the reported changes in plan net position during the reporting period. Actual results may differ from those estimates.

Arkansas Local Police and Fire Retirement System

Notes to Financial Statements

December 31, 2016 and 2015

Plan Descriptions

As of December 31, 2016 and 2015, the number of participating political subdivisions was 511 and 507, respectively. At December 31, 2016 and 2015, the System's membership consisted of the following:

Membership Classification	Number of Employees	
	2016	2015
Retired plan members or beneficiaries currently receiving benefits:		
Local plan fire without Social Security	717	702
Local plan police with Social Security	182	186
Local plan police without Social Security	677	696
Local plan volunteer fire	976	951
Subtotal for agent multiple-employer plans	<u>2,552</u>	<u>2,535</u>
LOPFI fire benefit program 2 – with Social Security	16	11
LOPFI fire benefit program 2 – without Social Security	99	88
LOPFI fire with Social Security	43	34
LOPFI fire without Social Security	738	640
LOPFI police benefit program 2 – with Social Security	17	14
LOPFI police benefit program 2 – without Social Security	117	92
LOPFI police with Social Security	1,013	913
LOPFI police without Social Security	502	418
LOPFI staff	3	3
LOPFI volunteer fire	2,218	2,029
LOPFI volunteer police	140	122
Subtotal for cost-sharing multiple-employer plans	<u>4,906</u>	<u>4,364</u>
Subtotal for retirees and beneficiaries	<u>7,458</u>	<u>6,899</u>
Active plan members:		
Local plan fire without Social Security	3	3
Local plan part paid contributory fire	2	1
Local plan police without Social Security	1	1
Local plan volunteer fire	14	13
Subtotal for agent multiple-employer plans	<u>20</u>	<u>18</u>
LOPFI fire benefit program 2 – with Social Security	47	44
LOPFI fire benefit program 2 – without Social Security	175	165
LOPFI fire with Social Security	74	76
LOPFI fire without Social Security	2,320	2,270
LOPFI police benefit program 2 – with Social Security	51	52
LOPFI police benefit program 2 – without Social Security	222	217
LOPFI police with Social Security	2,038	2,016
LOPFI police without Social Security	1,278	1,294
LOPFI staff	9	9
LOPFI volunteer fire	6,995	6,938
LOPFI volunteer police	396	366
Subtotal for cost-sharing multiple-employer plans	<u>13,605</u>	<u>13,447</u>
Subtotal for active employees	<u>13,625</u>	<u>13,465</u>
Inactive plan members entitled to but not yet receiving benefits	<u>7,132</u>	<u>6,798</u>
Total membership	<u>28,215</u>	<u>27,162</u>

Arkansas Local Police and Fire Retirement System

Notes to Financial Statements

December 31, 2016 and 2015

Contributions: The employee contribution rate depends on the type of service being rendered and whether or not the service is also covered by Social Security. The different employee contribution rates are:

- a. Paid service not covered by Social Security: 8.5% of gross pay beginning July 1, 2009; 6% prior to that date
- b. Paid service also covered by Social Security: 2.5% of gross pay beginning July 1, 2009; no employee contributions prior to that date
- c. Paid service-benefit program 2: 8.5% of gross pay beginning July 1, 2009; 6% prior to that date
- d. Volunteer service: no employee contribution

The employer contribution rate is adjusted automatically every year to reflect changes in the composition of the employee group and other factors which affect cost. Contributions are determined on an actuarial basis in order to insure that the individual system employers can honor their benefit commitments to covered employees. The individual entry age actuarial cost method of valuation is used in determining normal cost.

Benefit Terms: The benefits terms for the cost-sharing multiple-employer plan are established in accordance with the provisions of the Arkansas Code.

Benefit Program 1: Pension benefits to a member with five or more years (10 or more years for members hired on or after July 1, 2013) of credited service in force who has attained his normal retirement age consist of an annuity equal to the following:

- a. For each year of paid service resulting from employment in a position not also covered by Social Security, 2.94% of his final average pay (2.7% for those with retirement date prior to July 1, 2009); plus
- b. For each year of paid service resulting from employment in a position also covered by Social Security, 1.94% of his final average pay (1.7% for those with retirement date prior to July 1, 2009). In addition, if such member is retiring and if such member's age at retirement is younger than Social Security's minimum age for an unreduced retirement benefit, then such member receives a temporary annuity equal to 1% of his final average pay for each such year of paid service. Such temporary annuity terminates at the end of the calendar month in which the earliest of the following events occur: such member's death; or his attainment of such Social Security minimum age for unreduced benefits.
- c. In no event will the total of *a.* plus *b.* exceed, at time of retirement, 100% of such final average pay; plus
- d. Effective July 1, 2016, for each year of volunteer service, \$6.41 per month, to a maximum of \$256.40 monthly.

Arkansas Local Police and Fire Retirement System

Notes to Financial Statements

December 31, 2016 and 2015

- e. Before the date that the first payment of his annuity becomes due, but not thereafter, a member may elect in writing to receive his annuity as a life annuity or he may elect to have his life annuity reduced but not any temporary annuity which may be payable, and nominate a beneficiary in accordance with the provisions of one of four options. If a member does not elect an option, his annuity shall be paid to him as a life annuity.

Benefit Program 2: For each year of paid service rendered on or after the election date of Benefit Program 2 and resulting from employment in a position not also covered by Social Security, 3.28% of his or her final average pay, plus for each year of paid service rendered on or after the election date of Benefit Program 2 and resulting from employment in a position also covered by Social Security, 2.94% of his or her final average pay.

A member will receive disability benefits computed in the same manner as normal retirement benefits if the member has five or more years of credited service (or 10 years of actual service if hired on or after July 1, 2013) and terminates employment because of becoming totally and permanently disabled from non-duty related causes. If the disability is determined to be duty related, a benefit is 65% of the member's final average pay. Prior to that date, the benefit was computed as if the member had completed 25 years of service.

Deferred Retirement Option Plan (DROP): During 1993, the Arkansas General Assembly passed legislation (Acts 757 and 1004) allowing paid policemen and firefighters to elect to continue working for a period of 10 years past normal retirement age if a member of a local plan. In 2003, the Arkansas General Assembly passed legislation (Act 1734) affording paid members of LOPFI the same opportunity to continue working past normal retirement age with the maximum term being seven years. This DROP is only available to participants having at least 20 years of paid service. In addition, Act 829 of 2015 allows up to 36 months of actual LOPFI volunteer service credit to be used towards DROP eligibility. The DROP member continues his payroll withholding, the employee's contribution is credited according to law to the defined benefit pension plan and the DROP, and the monthly benefits that would have been payable had the member elected to cease employment and receive a service retirement shall be paid into a separate DROP account. At December 31, 2016 and 2015, the DROP accounts total \$21,876,222 and \$17,017,608, respectively.

Arkansas Local Police and Fire Retirement System

Notes to Financial Statements

December 31, 2016 and 2015

Note 2: Net Pension Liability

The components of the net pension liability of all entities participating in the cost-sharing pension plan at December 31, 2016 and 2015, were as follows:

	<u>2016</u>	<u>2015</u>
Total pension liability	\$ 2,206,296,314	\$ 2,035,497,083
Plan's fiduciary net position	<u>1,598,732,002</u>	<u>1,473,950,749</u>
Net pension liability	<u>\$ 607,564,312</u>	<u>\$ 561,546,334</u>
Plan's fiduciary net position as a percentage of total pension liability	72.46%	72.41%

Actuarial Assumptions

The total pension liability as of December 31, 2016 and 2015, was determined by actuarial valuations as of December 31, 2016 and 2015, using the following actuarial assumptions:

<u>Paid Service Assumptions</u>	
Wage inflation	3.75%
Price inflation	3%
Salary increases	2015 – 4.25% to 18.75%, including inflation
	2016 – 4.5% to 19.0%, including inflation
Investment rate of return	7.75%
Actuarial cost method	Entry age normal
Asset valuation method	5-year smoothed market; 20% corridor
<u>Volunteer Service Assumptions</u>	
Inflation	3%
Investment rate of return	7.75%
Actuarial cost method	Entry age normal
Asset valuation method	5-year smoothed market; 20% corridor

The mortality assumption was based on the RP-2000 combined project to 2017 table, set forward two years for men. Disability postretirement mortality was assumed to be the same as standard postretirement mortality set forward an additional 10 years.

The actuarial assumptions used in the December 31, 2016 and 2015 valuations were based on the results of an experience study of the period 2008–2011.

Arkansas Local Police and Fire Retirement System

Notes to Financial Statements

December 31, 2016 and 2015

The long-term expected rate of return on pension plan investments was determined using a building-block method in which expected future real rates of return (expected returns, net of pension plan investment expense and inflation) are developed for each major asset class.

2016		
Asset Class	Target Allocation	Long-Term Expected Real Rate of Return
Domestic fixed income	30.00%	2.97%
International fixed income	6.00%	1.50%
Domestic equity	33.00%	5.88%
Foreign equity	7.00%	6.25%
Index	11.00%	6.73%
Alternative investments	10.00%	6.13%
Cash	3.00%	-0.40%
Total	100.00%	

2015		
Asset Class	Target Allocation	Long-Term Expected Real Rate of Return
Domestic fixed income	30.00%	2.97%
International fixed income	6.00%	1.50%
Domestic equity	33.00%	5.88%
Foreign equity	7.00%	6.25%
Index	11.00%	6.73%
Alternative investments	10.00%	6.13%
Cash	3.00%	-0.40%
Total	100.00%	

Single Discount Rate

A single discount rate of 7.75% 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 7.75%. 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.

Arkansas Local Police and Fire Retirement System

Notes to Financial Statements

December 31, 2016 and 2015

Plan assets are expected to be invested using a strategy to achieve the expected rate of return. 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. Regarding the sensitivity of the net pension liability to changes in the single discount rate, the following presents the net pension liability, calculated using a single discount rate of 7.75%, as well as what the net pension liability would be if it were calculated using a single discount rate that is 1 percent lower or 1 percent higher:

2016			
Current Single Discount			
	1% Decrease	Rate Assumption	1% Increase
	6.75%	7.75%	8.75%
Net pension liability	\$ 947,185,807	\$ 607,564,312	\$ 329,541,291

2015			
Current Single Discount			
	1% Decrease	Rate Assumption	1% Increase
	6.75%	7.75%	8.75%
Net pension liability	\$ 878,600,994	\$ 561,546,334	\$ 296,492,539

Note 3: Deposits and Investments

The System's deposits and investments are managed by various investment managers who have discretionary authority over the assets managed by them, within the investment guidelines established by LOPFI, under contracts with the System.

Custodial Credit Risk

Custodial credit risk is the risk that, in the event of the failure of the custodian, 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.

Arkansas Local Police and Fire Retirement System

Notes to Financial Statements

December 31, 2016 and 2015

The System's deposits and investments are held by the System's custodian in the System's name. Investments are uninsured and generally consist of short-term securities, U.S. and foreign government securities, domestic and foreign corporate debt and equity securities, real estate and real estate trusts. The state law requires collateralization of all deposits with federal depository insurance and other acceptable collateral in specific amounts. The System's investment policy does not directly address custodial credit risk. At December 31, 2016, all of the System's deposits were either insured or collateralized with securities pledged in the System's name.

	<u>2016</u>	<u>2015</u>
Carrying value		
Deposits	\$ 19,938,502	\$ 5,137,224
Investments	<u>119,465,302</u>	<u>139,695,568</u>
	<u>\$ 139,403,804</u>	<u>\$ 144,832,792</u>

And included in the following statements of fiduciary net position caption:

Cash and equivalents	\$ 139,403,804	\$ 144,832,792
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Credit Risk

Credit risk is the risk that an issuer or other counterparty to an investment will not fulfill its obligations to the System. The System's investment policy does not allow for more than 10% of the current market value of the Fixed Income Portfolio to be invested in securities rated less than Baa by Moody's bond rating service or BBB by Standard & Poor's, or the equivalent by a recognized rating agency. In addition, the minimum security quality shall be B or better.

Arkansas Local Police and Fire Retirement System

Notes to Financial Statements

December 31, 2016 and 2015

The following table summarizes the System's fixed income portfolio exposure levels and credit qualities at December 31, 2016 and 2015:

	<u>2016</u>	<u>2015</u>
Fixed Income Security Type by S&P Rating		
Corporate and Foreign Bonds		
AAA	\$ -	\$ 1,088,404
AA	-	3,900,470
A	17,334,080	19,294,619
BBB	6,195,015	20,523,156
BB	-	3,001,014
B	-	194,000
CCC	-	-
Not rated	-	899,417
	<u>23,529,095</u>	<u>48,901,080</u>
Collateralized Mortgage Obligations		
AAA	-	2,917,627
AA	-	1,210,004
A	-	3,955,779
BBB	-	1,058,276
BB	258,532	745,340
B	-	1,024,162
CCC	-	1,828,247
CC	-	330,487
Not rated	-	11,541,354
	<u>258,532</u>	<u>24,611,276</u>
Municipal Obligations		
Not rated	-	120,156
Mortgage-Backed Securities		
Not rated	<u>16,775,333</u>	<u>37,160,197</u>
	<u>\$ 40,562,960</u>	<u>\$ 110,792,709</u>

Arkansas Local Police and Fire Retirement System

Notes to Financial Statements

December 31, 2016 and 2015

Interest Rate Risk

Interest rate risk is the risk that changes in interest rates will adversely affect the fair value of an investment. In accordance with its investment policy, the System manages its exposure to declines in fair values by limiting the duration of the fixed income portfolio to the comparative indices by no more than +/-25%. As of December 31, 2016, the System's effective duration by investment type was:

Fixed Income Security Type	Duration	
	2016	2015
U.S. Government and Government Related	0.61	0.64
Non-U.S. Government and Government Related	2.37	2.25
U.S. Credit	0.98	0.99
Non-U.S. Credit	0.23	0.27
Mortgage-Backed	0.81	0.79
Non-Agency Mortgage-Backed	0.04	0.04
Asset-Backed	0.03	0.02
Other	0.20	0.17
Cash	-0.11	-0.14
Total Duration	5.16	5.03

Rate of Return

For the years ended December 31, 2016 and 2015, the annual money-weighted rate of return on pension plan investments, net of pension plan investment expense, was 5.76% and -0.05%, respectively. The money-weighted rate of return expresses investment performance, net of investment expense, adjusted for the changing amounts actually invested.

Investment Policies

The LOPFI Board (the Board) has been appointed by the Governor to oversee the investments of LOPFI. The Board is responsible for establishing overall financial objectives and setting the investment policy. The Board will carry out its responsibilities by acting on recommendations made to it by the Investment Committee (the Committee). The Committee shall consist of at least three trustees of the Board. An amendment to the investment policy first requires a majority approval of the Committee and then review and approval by the Board.

Arkansas Local Police and Fire Retirement System

Notes to Financial Statements

December 31, 2016 and 2015

Note 4: Disclosures About Fair Value of Assets and Liabilities

Fair value is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. Fair value measurements must maximize the use of observable inputs and minimize the use of unobservable inputs. There is a hierarchy of three levels of inputs that may be used to measure fair value:

- Level 1** Quoted prices in active markets for identical assets or liabilities
- Level 2** Observable inputs other than Level 1 prices, such as quoted prices for similar assets or liabilities; quoted prices in markets that are not active; or other inputs that are observable or can be corroborated by observable market data for substantially the full term of the assets or liabilities
- Level 3** Unobservable inputs supported by little or no market activity and are significant to the fair value of the assets or liabilities

Arkansas Local Police and Fire Retirement System

Notes to Financial Statements

December 31, 2016 and 2015

The following tables present the fair value measurements of assets and liabilities recognized in the accompanying financial statements measured at fair value on a recurring basis and the level within the fair value hierarchy in which the fair value measurements fall at December 31, 2016 and 2015:

	Fair Value	Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
December 31, 2016				
Investments by Fair Value Level				
Equity securities – diversified	\$ 265,267,511	\$ 265,267,511	\$ -	\$ -
Equity securities – foreign	63,028,463	63,028,463	-	-
Equity mutual funds	574,876,320	-	574,876,320	-
International equity mutual funds	30,367,211	-	30,367,211	-
Fixed income mutual funds	414,717,805	-	414,717,805	-
U.S. government obligations	57,933,795	-	57,933,795	-
Corporate bonds	23,529,095	-	23,529,095	-
Collateralized mortgage obligations	258,532	-	258,532	-
Mortgage-backed securities	16,775,333	-	16,775,333	-
	<u>1,446,754,065</u>	<u>328,295,974</u>	<u>1,118,458,091</u>	<u>-</u>
Investments Measured at the Net Asset Value (NAV) ^(A)				
Private equity funds	53,872,974			
Private debt funds	23,049,216			
Equity long/short hedge funds	18,647,882			
Commercial real estate funds	23,524,451			
Commodity long/short hedge funds	14,316,229			
Bank recapitalization and value opportunities funds	11,928,304			
Energy funds	7,571,127			
Opportunistic credit funds	16,155,924			
	<u>169,066,107</u>			
Total investments measured at fair value	<u>\$1,615,820,172</u>	<u>\$ 328,295,974</u>	<u>\$ 1,118,458,091</u>	<u>\$ -</u>

Arkansas Local Police and Fire Retirement System

Notes to Financial Statements

December 31, 2016 and 2015

	Fair Value	Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
December 31, 2015				
Investments by Fair Value Level				
Equity securities – diversified	\$ 233,795,570	\$ 233,795,570	\$ -	\$ -
Equity securities – foreign	59,462,876	59,462,876	-	-
Equity mutual funds	546,225,000	-	546,225,000	-
International equity mutual funds	28,945,410	-	28,945,410	-
Fixed income mutual funds	292,547,508	-	292,547,508	-
U.S. government obligations	79,039,080	-	79,039,080	-
Corporate bonds	48,621,171	-	48,621,171	-
Corporate bonds – foreign	279,909	-	279,909	-
Municipal obligations	120,156	-	120,156	-
Collateralized mortgage obligations	24,611,276	-	24,611,276	-
Mortgage-backed securities	37,160,197	-	37,160,197	-
	<u>1,350,808,153</u>	<u>293,258,446</u>	<u>1,057,549,707</u>	<u>-</u>
Total investments by fair value level				
Investments Measured at the Net Asset Value (NAV) ^(A)				
Private equity funds	45,095,985			
Private debt funds	17,446,103			
Equity long/short hedge funds	18,251,570			
Commercial real estate funds	21,702,981			
Commodity long/short hedge funds	15,538,243			
Bank recapitalization and value opportunities funds	12,155,965			
Energy funds	5,297,036			
	<u>135,487,883</u>			
Total investments measured at the NAV	<u>135,487,883</u>			
Total investments measured at fair value	<u>\$1,486,296,036</u>	<u>\$ 293,258,446</u>	<u>\$ 1,057,549,707</u>	<u>\$ -</u>

(A) Certain investments that are measured using the net asset value per share (or its equivalent) practical expedient have not been classified in the fair value hierarchy. The fair value amounts included above are intended to permit reconciliation of the fair value hierarchy to the amounts presented in the statement of financial position.

Arkansas Local Police and Fire Retirement System

Notes to Financial Statements

December 31, 2016 and 2015

Investments

Where quoted market prices are available in an active market, securities are classified within Level 1 of the valuation hierarchy. If quoted market prices are not available, then fair values are estimated by using quoted prices of securities with similar characteristics or independent asset pricing services and pricing models, the inputs of which are market-based or independently sourced market parameters, including, but not limited to, yield curves, interest rates, volatilities, prepayments, defaults, cumulative loss projections and cash flows. Such securities are classified in Level 2 of the valuation hierarchy. In certain cases where Level 1 or Level 2 inputs are not available, securities are classified within Level 3 of the hierarchy.

Information that regarding the nature and risks of the investments and whether the investments are probable of being sold at amounts different from the NAV per share (or its equivalent) is presented below.

	December 31, 2016			
	Fair Value	Unfunded Commitments	Redemption Frequency	Redemption Notice Period
Private equity funds ^(A)	\$ 53,872,974	\$ 26,346,508		
Private debt funds ^(B)	23,049,216	23,950,033		
Equity long/short hedge funds ^(C)	18,647,882	-	Quarterly	95 Days
Commercial real estate funds ^(D)	23,524,451	-	Quarterly	45 Days
Commodity long/short hedge funds ^(E)	14,316,229	-	Quarterly	
Bank recapitalization and value opportunities	11,928,304	10,250,000		
Energy funds ^(G)	7,571,127	10,286,507		
Opportunistic credit funds ^(H)	16,155,924	-		

	December 31, 2015			
	Fair Value	Unfunded Commitments	Redemption Frequency	Redemption Notice Period
Private equity funds ^(A)	\$ 45,095,985	\$ 23,390,940		
Private debt funds ^(B)	17,446,103	9,519,911		
Equity long/short hedge funds ^(C)	18,251,570	-	Quarterly	95 Days
Commercial real estate funds ^(D)	21,702,981	-	Quarterly	45 Days
Commodity long/short hedge funds ^(E)	15,538,243	-	Quarterly	
Bank recapitalization and value opportunities	12,155,965	3,750,000		
Energy funds ^(G)	5,297,036	12,356,378		

(A) This category includes investments in private investment companies are closed ended and redemptions are not permitted. Instead, the nature of the investments in this category is that distributions are received through the liquidation of underlying assets of the fund. The fair values of the investments in this category have been estimated using recent observable transaction information for similar investments.

(B) This category includes a diversified portfolio of private debt investments in transactions sponsored by private equity sponsors, including leverage buyouts, refinancings, acquisitions and growth capital. These investments can never be redeemed with the funds.

Arkansas Local Police and Fire Retirement System

Notes to Financial Statements

December 31, 2016 and 2015

- (C) This category includes investments in hedge funds that take both long and short positions in equities. Management of the funds has the ability to shift investments among differing investment strategies.
- (D) This category includes several real estate funds that invest primarily in U.S. commercial real estate. Distributions from each fund will be made as the underlying investments of the funds are liquidated.
- (E) This category includes both long and short positions in commodities. Management of the funds has the ability to shift investments among differing investment strategies. These investments can never be redeemed with the funds.
- (F) This category invest primarily in performing, underperforming or non-performing loans, asset-backed securities, residential and commercial real estate and other debt instruments. These investments can never be redeemed with the funds.
- (G) This fund invests primarily in oil and gas and minerals and royalties. These investments can never be redeemed with the funds.
- (H) This category includes a diversified portfolio of loans and bonds. These investments can never be redeemed with the funds.

Note 5: Risks and Uncertainties

The System invests in various investment securities. Investment securities are exposed to various risks, such as interest rate, market and credit risks. Due to the level of risk associated with certain investment securities, it is at least reasonably possible that changes in the values of investment securities will occur in the near term and that such changes could materially affect the amounts reported in the statements of fiduciary net position.

System contributions are made and the actuarial present value of accumulated plan benefits are reported based on certain assumptions pertaining to interest rates, inflation rates and employee demographics, all of which are subject to change. Due to uncertainties inherent in the estimation and assumption process, it is at least reasonably possible that changes in these estimates and assumptions in the near term would be material to the financial statements.

Arkansas Local Police and Fire Retirement System

Notes to Financial Statements

December 31, 2016 and 2015

Note 6: Combining Statements

The combining statements for plans administered by the System are as follows.

Statements of Fiduciary Net Position

	2016		
	Cost-Sharing Multiple- Employer	Agent Multiple- Employer	Total
Assets			
Cash	\$ 125,855,215	\$ 13,548,589	\$ 139,403,804
Receivables			
Contributions	6,967,881	750,109	7,717,990
Other receivables	24,565	2,644	27,209
Total receivables	<u>6,992,446</u>	<u>752,753</u>	<u>7,745,199</u>
Prepaid expenses	6,410,189	690,071	7,100,260
Investments, at fair value			
Equity securities – U.S. companies	239,486,289	25,781,223	265,267,512
Equity securities – international companies	56,902,757	6,125,706	63,028,463
Mutual funds	920,831,779	99,129,556	1,019,961,335
U.S. Treasury securities	52,303,237	5,630,558	57,933,795
Corporate bonds	21,242,313	2,286,782	23,529,095
Foreign bonds	-	-	-
Mortgage-backed securities	15,144,946	1,630,387	16,775,333
Collateralized mortgage obligations	233,405	25,127	258,532
Municipal obligations	-	-	-
Alternative investments	152,634,653	16,431,453	169,066,106
Real estate investment	-	-	-
Total investments, at fair value	<u>1,458,779,379</u>	<u>157,040,792</u>	<u>1,615,820,171</u>
Property and equipment, net of accumulated depreciation	2,162,369	232,784	2,395,153
Other assets	5,714	615	6,329
Total assets	<u>1,600,205,312</u>	<u>172,265,604</u>	<u>1,772,470,916</u>
Liabilities			
Accounts payable and accrued expenses	1,096,829	118,076	1,214,905
Refunds payable	58,458	6,293	64,751
Due to Pension Review Board	318,023	34,236	352,259
Total liabilities	<u>1,473,310</u>	<u>158,605</u>	<u>1,631,915</u>
Net Position Restricted for Pensions	<u>\$ 1,598,732,002</u>	<u>\$ 172,106,999</u>	<u>\$ 1,770,839,001</u>

Arkansas Local Police and Fire Retirement System

Notes to Financial Statements

December 31, 2016 and 2015

Statements of Fiduciary Net Position

	2015		
	Cost-Sharing Multiple- Employer	Agent Multiple- Employer	Total
Assets			
Cash	\$ 129,640,623	\$ 15,192,169	\$ 144,832,792
Receivables			
Contributions	6,519,456	763,994	7,283,450
Other receivables	22,479	2,634	25,113
Total receivables	6,541,935	766,628	7,308,563
Prepaid expenses	6,345,723	743,635	7,089,358
Investments, at fair value			
Equity securities – U.S. companies	209,048,581	24,497,733	233,546,314
Equity securities – international companies	53,225,545	6,237,331	59,462,876
Mutual funds	730,725,000	85,631,320	816,356,320
U.S. Treasury securities	70,748,312	8,290,768	79,039,080
Corporate bonds	43,521,076	5,100,095	48,621,171
Foreign bonds	250,548	29,361	279,909
Mortgage-backed securities	33,262,295	3,897,902	37,160,197
Collateralized mortgage obligations	22,029,688	2,581,588	24,611,276
Municipal obligations	107,552	12,604	120,156
Alternative investments	167,383,592	19,615,147	186,998,739
Real estate investment	1,672,350	195,977	1,868,327
Total investments, at fair value	1,331,974,539	156,089,826	1,488,064,365
Property and equipment, net of accumulated depreciation	653,502	76,582	730,084
Other assets	142,735	16,727	159,462
Total assets	1,475,299,057	172,885,567	1,648,184,624
Liabilities			
Accounts payable and accrued expenses	933,528	109,397	1,042,925
Refunds payable	211,983	24,842	236,825
Due to Pension Review Board	202,797	23,765	226,562
Total liabilities	1,348,308	158,004	1,506,312
Net Position Restricted for Pensions	<u>\$ 1,473,950,749</u>	<u>\$ 172,727,563</u>	<u>\$ 1,646,678,312</u>

Arkansas Local Police and Fire Retirement System

Notes to Financial Statements

December 31, 2016 and 2015

Statements of Changes in Fiduciary Net Position

	2016		
	Cost-Sharing Multiple- Employer	Agent Multiple- Employer	Total
Additions			
Contributions			
Member contributions	\$ 21,816,086	\$ 431,697	\$ 22,247,783
Employer contributions	75,298,216	23,234,239	98,532,455
Local plan administrative mergers and paid military time	38,872	9,762,098	9,800,970
Total contributions	<u>97,153,174</u>	<u>33,428,034</u>	<u>130,581,208</u>
Investment Income (Loss)			
Net depreciation in fair value of investments	61,160,043	7,054,620	68,214,663
Interest, dividends and other income	31,815,289	3,669,795	35,485,084
Less investment expenses	<u>(4,383,242)</u>	<u>(505,593)</u>	<u>(4,888,835)</u>
Net investment income	<u>88,592,090</u>	<u>10,218,822</u>	<u>98,810,912</u>
Total additions	<u>185,745,264</u>	<u>43,646,856</u>	<u>229,392,120</u>
Deductions			
Benefits paid to participants	49,159,426	39,815,839	88,975,265
Refunds of contributions	1,860,721	-	1,860,721
Administrative expenses	2,665,399	440,689	3,106,088
Deferred retirement option distributions	<u>7,278,465</u>	<u>4,010,892</u>	<u>11,289,357</u>
Total deductions	<u>60,964,011</u>	<u>44,267,420</u>	<u>105,231,431</u>
Net Increase in Net Position Restricted for Pensions	124,781,253	(620,564)	124,160,689
Net Position Restricted for Pensions, Beginning of Year	<u>1,473,950,749</u>	<u>172,727,563</u>	<u>1,646,678,312</u>
Net Position Restricted for Pensions, End of Year	<u>\$ 1,598,732,002</u>	<u>\$ 172,106,999</u>	<u>\$ 1,770,839,001</u>

Arkansas Local Police and Fire Retirement System

Notes to Financial Statements

December 31, 2016 and 2015

Statements of Changes in Fiduciary Net Position

	2015		
	Cost-Sharing Multiple- Employer	Agent Multiple- Employer	Total
Additions			
Contributions			
Member contributions	\$ 21,187,024	\$ 42,736	\$ 21,229,760
Employer contributions	67,624,600	23,147,391	90,771,991
Local plan administrative mergers and paid military time	34,066	10,968,816	11,002,882
Total contributions	<u>88,845,690</u>	<u>34,158,943</u>	<u>123,004,633</u>
Investment Income			
Net appreciation in fair value of investments	(29,175,873)	(10,432,837)	(39,608,710)
Interest, dividends and other income	34,949,453	12,497,379	47,446,832
Less investment expenses	(3,459,575)	(1,237,090)	(4,696,665)
Securities lending income	(654,373)	(233,994)	(888,367)
Securities lending expenses	(17,326)	(6,195)	(23,521)
Net investment income	<u>1,642,306</u>	<u>587,263</u>	<u>2,229,569</u>
Total additions	<u>90,487,996</u>	<u>34,746,206</u>	<u>125,234,202</u>
Deductions			
Benefits paid to participants	41,140,318	37,969,107	79,109,425
Refunds of contributions	1,628,853	-	1,628,853
Administrative expenses	2,482,123	489,359	2,971,482
Deferred retirement option distributions	2,638,408	2,299,421	4,937,829
Total deductions	<u>47,889,702</u>	<u>40,757,887</u>	<u>88,647,589</u>
Net Increase (Decrease) in Net Position Restricted for Pensions	42,598,294	(6,011,681)	36,586,613
Net Position Restricted for Pensions, Beginning of Year	<u>1,431,352,455</u>	<u>178,739,244</u>	<u>1,610,091,699</u>
Net Position Restricted for Pensions, End of Year	<u>\$ 1,473,950,749</u>	<u>\$ 172,727,563</u>	<u>\$ 1,646,678,312</u>

Required Supplementary Information

Arkansas Local Police and Fire Retirement System

Required Supplementary Information

Schedule of Changes in Net Pension Liability and Related Ratios

	2016	2015	2014
Total Pension Liability			
Service cost	\$ 52,411,007	\$ 50,466,076	\$ 51,147,644
Interest on the total pension liability	157,522,879	146,226,976	134,748,677
Benefit changes	-	-	272,375
Differences between expected and actual experience	19,163,957	5,172,371	(1,779,051)
Assumption changes	-	53,731,281	-
Benefit payments	(49,159,426)	(41,140,318)	(33,460,992)
Refunds	(1,860,721)	(1,628,853)	(1,425,245)
Deferred retirement option distributions	(7,278,465)	(2,638,408)	(846,408)
Net Change in Total Pension Liability	<u>170,799,231</u>	<u>210,189,125</u>	<u>148,657,000</u>
Total Pension Liability, Beginning of Year	<u>2,035,497,083</u>	<u>1,825,307,958</u>	<u>1,676,650,958</u>
Total Pension Liability, End of Year	<u>\$ 2,206,296,314</u>	<u>\$ 2,035,497,083</u>	<u>\$ 1,825,307,958</u>
Plan Fiduciary Net Position			
Employer contributions	\$ 75,298,216	\$ 67,624,600	\$ 63,964,129
Employee contributions	21,816,086	21,187,024	21,844,747
Other contributions	38,872	34,066	56,744
Pension plan net investment income	88,592,090	1,642,306	95,052,926
Benefit payments	(49,159,426)	(41,140,318)	(33,460,992)
Refunds	(1,860,721)	(1,628,853)	(1,425,245)
Pension plan administrative expense	(2,665,399)	(2,482,123)	(2,258,660)
Deferred retirement option distributions	(7,278,465)	(2,638,408)	(846,408)
Net Change in Plan Fiduciary Net Position	<u>124,781,253</u>	<u>42,598,294</u>	<u>142,927,241</u>
Plan Fiduciary Net Position, Beginning of Year	<u>1,473,950,749</u>	<u>1,431,352,455</u>	<u>1,288,425,214</u>
Plan Fiduciary Net Position, End of Year	<u>\$ 1,598,732,002</u>	<u>\$ 1,473,950,749</u>	<u>\$ 1,431,352,455</u>
Net Pension Liability, End of Year	<u>\$ 607,564,312</u>	<u>\$ 561,546,334</u>	<u>\$ 393,955,503</u>
Plan's Fiduciary Net Position as a Percentage of the Total Pension Liability	72.46%	72.41%	78.42%
Covered-Employee Payroll	\$ 329,344,355	\$ 320,487,331	\$ 310,870,608
Plan's Net Pension Liability as a Percentage of Covered-Employee Payroll	184.48%	175.22%	126.73%

Note: This schedule is presented to illustrate the requirement to show 10 years of information. However, until a full 10-year trend is compiled, years for which the information is available will be presented.

Arkansas Local Police and Fire Retirement System

Required Supplementary Information

Schedule of Employer Contributions

Fiscal Year Ending	Actuarially Determined Contribution	Actual Contribution	Contribution Deficiency (Excess)	Covered Payroll	Actual Contribution as a % of Covered Payroll
12/31/2007	\$ 36,069,449	\$ 36,069,449	\$ -	\$ 230,177,530	15.67%
12/31/2008	40,015,631	40,015,631	-	244,703,982	16.35%
12/31/2009	41,959,589	41,959,589	-	261,756,026	16.03%
12/31/2010	42,909,816	42,909,816	-	265,628,662	16.15%
12/31/2011	50,273,110	50,273,110	-	274,656,592	18.30%
12/31/2012	52,566,774	52,566,774	-	282,170,105	18.63%
12/31/2013	58,394,334	58,394,334	-	296,617,370	19.69%
12/31/2014	63,964,129	63,964,129	-	310,870,608	20.58%
12/31/2015	67,624,600	67,624,600	-	320,487,331	21.10%
12/31/2016	75,298,216	75,298,216	-	329,344,355	22.86%

Valuation Date:

Notes

Actuarially determined contribution rates are calculated as of December 31, which is one year prior to the beginning of the fiscal year in which contributions are reported.

Methods and Assumptions Used to Determine Contribution Rates:

Actuarial Cost Method	Entry Age Normal
Amortization Method	Level Percentage of Payroll, Closed
Remaining Amortization Period	16.8 years beginning January 1, 2018
Asset Valuation Method	5-Year smoothed market, 20% corridor
Wage Inflation	4.00%
Price Inflation	3.00%
Salary Increases	4.5% to 19.0%, including inflation
Investment Rate of Return	8.00%
Retirement Age	Experience-based table of rates that are specific to the type of eligibility condition. Last update for the 2012 valuation pursuant to an experience study of the period 2008–2011.
Mortality	RP-2000 Combined Projected to 2017 Table, set forward two years for men. Disability postretirement mortality was assumed to be the same as standard postretirement mortality set forward an additional 10 years.

Other Information:

Notes

There were no method, assumption or benefit changes during the year.

Arkansas Local Police and Fire Retirement System

Required Supplementary Information

Schedule of Investment Returns

Fiscal Year Ending	Annual Money-Weighted Rate of Return, Net of Investment Expense
12/31/2007	8.61%
12/31/2008	-25.24%
12/31/2009	17.75%
12/31/2010	9.57%
12/31/2011	0.20%
12/31/2012	11.17%
12/31/2013	17.33%
12/31/2014	6.80%
12/31/2015	-0.05%
12/31/2016	5.76%

Note: This schedule provides the returns for the cost-sharing multiple-employer defined benefit pension plan and the agent multiple-employers defined benefit pension plans.

Other Supplementary Information

Arkansas Local Police and Fire Retirement System

Schedule of Administrative Expenses

Years Ended December 31, 2016 and 2015

	2016	2015
Personal Services		
Staff Expense	\$ 673,199	\$ 714,910
Professional Services		
Computer Operations/Process	1,532,695	1,391,524
Audit Services	67,000	60,790
Actuarial Services	295,298	275,900
Legal Services	120,426	116,563
Medical Advisor/Related	57,073	67,418
Total Professional Services	2,072,492	1,912,195
General Operating Expense		
Insurance Expense	50,531	50,189
Office Equipment	36,517	26,108
Office Supplies	28,107	81,611
Printing	15,409	18,559
Telephone	16,282	73,760
Postage	16,719	12,965
Publications	962	568
Travel/Prof.Education/Conf.	26,787	24,849
Board/Kitchen Supplies	3,280	1,650
Total General Operating Expense	194,594	290,259
 Total Cash Expenses	 2,940,285	 2,917,364
Depreciation Expense	-	4,333
Depreciation Expense - Building	165,803	49,785
Total Noncash Expense	165,803	54,118
 Total Administrative Expenses	 \$ 3,106,088	 \$2,971,482

Arkansas Local Police and Fire Retirement System
Schedule of Investment Expenses
Years Ended December 31, 2016 and 2015

	<u>2016</u>	<u>2015</u>
Investment Consulting Fees	\$ 400,000	\$ 400,000
Money Manager Fees	4,122,585	3,887,665
Custodial Fees	216,000	270,000
Investment Monitor Expenses	<u>150,250</u>	<u>139,000</u>
Total Investment Expenses	<u><u>\$ 4,888,835</u></u>	<u><u>\$ 4,696,665</u></u>



Stephens Inc.

May 2017

Dear Trustees:

For the benefit of the Arkansas Local Police and Fire Retirement System (LOPFI) Plan, we have prepared a year-end review of the Plan's investment returns and the portfolio's targeted/actual allocations among their respective asset classes (according to information provided by Thistle Asset Consulting). The Plan's investments are consistent with the stated Investment Policy.

LOPFI's targeted asset mix is based on the Fund's Investment Policy and includes but is not limited to the plan's investment time horizon, risk parameters, actuarial assumptions and cash flow needs. The Plan's investment platform is consistent with the long-term investment objectives and risk parameters of the Plan and utilizes both a passive and active strategy with an emphasis on achieving long-term risk adjusted rates of return. The portfolio's current allocations are as follows:

	Allocation As of 12/31/16	Permissible Range
Domestic Equities		
Large Cap	32	15-30%
Mid Cap	1	15-30%
Small Cap	2	0-20%
Foreign Equities	6	0-10%
Index	12	5-15%
US Bonds	24	20-50%
Foreign Bonds	4	0-10%
Alternative Investments	12	0-15%
Cash	7	0-20%

LOPFI's portfolio was up 6.49%* for the fiscal year ended 2016 versus the comparative index return of 7.59%* with an ending market value of \$1.735 billion* (which includes balances held in the liquidation account).

As the Investment Advisor to LOPFI, the above-referenced information was provided to assist the LOPFI Board of Trustees in their effort to provide financial disclosures about the plan.

The primary objective of the plan is to provide retirement plan benefits to the police and fire retirees. This policy oversight and implementation is governed by the Board of Trustees with additional guidance provided by an Investment Committee (comprised of LOPFI trustees) which is

more fully described in the plan's Investment Objectives and Guidelines. The responsibility of the trustees includes, but is not limited to, the allocation of assets, permissible investments, targeted ranges, manager oversight, and the review of performance standards.

Sincerely,



Larry Middleton
EVP/Managing Director

* Source: AndCo Consulting. AndCo Consulting reports that it employs monthly time-weighted performance measurement techniques that are consistent with the Charter Financial Analyst Institute performance presentation standards. Periodic discrepancies in returns may occur with subadvisors as a result of trade settlements, and/or lack of secondary markets, and/or pricing.

Please note: as reported by our international managers, the foreign currency exposure is less than 1% of the bond portion of the portfolio.

The statements contained herein, while not guaranteed, are taken from sources we consider to be reliable. Month-end statements should remain as your documents of record. Past performance is no guarantee of future results.

Investment Bankers
www.stephens.com

111 Center Street P.O. Box 3507 Little Rock, Arkansas 72203 501-377-3493 Fax 501-210-4619



LOPFI INVESTMENT PERFORMANCE
Ten Year History

ANNUAL VALUES					
Investment Return % (TW*) For Period					
[Asset Market Value (millions) End of Period]					
Period Ended	Total Fund	Inflation + 3%**	Equities	Fixed Income	Cash
12/31/07	11.52% [\$808.88]	7.1%	13.07% [\$528.41]	6.67% [\$300.22]	-11.29% [\$-19.72]
12/31/08	-25.54% [\$622,321]	3.1%	-39.85% [\$317,201]	-0.27% [\$324,485]	-34.40% [\$-19.35]
12/31/09	18.07% [\$811,937]	5.7%	27.75% [\$411,003]	11.10% [\$328,637]	2.03% [\$72,307]
12/31/10	10.68% [\$935,008]	4.6%	14.33% [\$528,115]	7.58% [354,755]	-2.00% [\$71,145]
12/31/11	-0.42% [\$965,161]	6.0%	11.98% [\$532,178]	3.92% [\$368,899]	0.56% [\$83,299]
12/31/12	12.30% [\$1,126,128]	4.7%	16.30% [\$683,028]	7.48% [\$412,214]	5.27% [\$30,886]
12/31/13	17.76% [\$1,445,479]	4.5%	31.40% [\$938,956]	-2.14% [\$423,458]	0.02% [\$83,065]
12/31/14	8.16% [\$1,599,410]	3.7%	10.70% [\$1,051,403]	4.02% [\$461,241]	1.85% [\$105,313]
12/31/15	0.10% [\$1,628,538]	4.1%	0.16% [\$1,053,718]	0.06% [\$461,935]	0.02% [\$112,885]
12/31/16	6.25% [\$1,735,363]	5.5%	8.88% [\$974,647]	3.15% [\$488,906]	0.08% [107,818]

QUARTERLY VALUES (RETURNS)

Period Ended	Total Fund	Equities	Fixed Income
12/31/2016	0.83%	2.19%	-2.67%

EQUITIES means common stocks and real estate

FIXED INCOME means long-term debt investment and convertibles

CASH means cash and cash equivalents (short term debt)

TOTAL FUND means equities plus fixed income plus cash (Net of investment fees beginning 2008)

*** Time-weighted based on market rate of return and trade date of transactions**

****December 31 to December 31**

Arkansas LOPFI Retirement System

Executive Summary

Market Values

December 31, 2016

Asset Allocation By Manager as of
September 30, 2016 : \$1,712,497,893

Asset Allocation By Manager as of
December 31, 2016 : \$1,735,362,655

Allocation	Market Value	Allocation	Allocation	Market Value	Allocation
Wellington Equity	206,774,045	12.1	State Street Flagship Index Fd	201,962,553	11.6
State Street Flagship Index Fd	194,468,750	11.4	Wellington Equity	198,993,310	11.5
PIMCO Intern Fixed Inc.	184,807,236	10.8	PIMCO Intern Fixed Inc.	180,268,330	10.4
Barrow LCV	128,766,256	7.5	Dodge & Cox Stock Fund	138,630,395	8.0
Liquidation (Cash)	127,696,104	7.5	Barrow LCV	137,546,567	7.9
Dodge & Cox Stock Fund	125,215,677	7.3	WAMCO Agg Fixed Inc.	112,737,767	6.5
WAMCO Agg Fixed Inc.	115,881,594	6.8	Liquidation (Cash)	107,818,151	6.2
GHA Fixed Income	88,157,611	5.1	GHA Fixed Income	98,872,284	5.7
Lazard Equity	84,916,981	5.0	Lazard Equity	86,773,228	5.0
Aberdeen Intl Fixed Inc.	72,019,323	4.2	Aberdeen Intl Fixed Inc.	67,448,932	3.9
New South Capital Equity	41,299,778	2.4	New South Capital Equity	41,644,767	2.4
Fisher Intl Eq	32,890,916	1.9	Fisher Intl Eq	32,336,443	1.9
Global Currents Intl Eq/Clearbridge	29,782,787	1.7	Global Currents Intl Eq/Clearbridge	30,367,211	1.7
WAMCO High Yield	28,942,569	1.7	WAMCO High Yield	29,579,132	1.7
Fisher Emerging Mkts	27,274,000	1.6	Fisher Emerging Mkts	25,402,000	1.5
JP Morgan RE	23,083,950	1.3	JP Morgan RE	23,524,451	1.4
Congress Equity	21,930,927	1.3	Congress Equity	22,824,689	1.3
AIM Thirteen Partners Equity Offshore	18,483,685	1.1	Wellington International Growth	19,764,616	1.1
Chickasaw Capital	16,744,320	1.0	AIM Thirteen Partners Equity	19,760,098	1.1
Wellington International Growth	16,158,220	0.9	AIM Thirteen Partners Equity Offshore	18,640,988	1.1
AIM Thirteen Partners Equity	15,849,249	0.9	Chickasaw Capital	17,612,551	1.0
Goldentree Select Offshore	15,000,000	0.9	Goldentree Select Offshore	16,155,924	0.9
NB Private Debt	14,273,450	0.8	Wellington Commodities	15,636,384	0.9
Goldman Sachs Commodity	14,084,375	0.8	NB Private Debt	14,410,553	0.8
Wellington Commodities	10,505,158	0.6	Goldman Sachs Commodity	14,316,229	0.8
PIMCO Bravo II	9,346,008	0.5	PIMCO Bravo II	10,128,657	0.6
Citco	8,629,713	0.5	Macquarie Infrastructure	8,685,895	0.5
Macquarie Infrastructure	8,017,098	0.5	Citco	8,646,514	0.5
JP Morgan Infrastructure	6,314,396	0.4	KKR Energy Income & Growth	6,539,181	0.4
KKR Direct Lending	6,182,798	0.4	JP Morgan Infrastructure	6,420,426	0.4
KKR Energy Income & Growth	5,851,782	0.3	KKR Direct Lending	6,182,798	0.4
KKR Mezzanine	4,176,253	0.2	KKR Mezzanine	4,176,253	0.2
Citigroup-StepStone Private Equity	3,678,397	0.2	Citigroup-StepStone Private Equity	3,678,397	0.2
NB Institutional Asset	2,188,302	0.1	Owl Rock Direct Lending	3,606,839	0.2
PIMCO Bravo I	2,053,221	0.1	NB Institutional Asset	2,074,125	0.1
Owl Rock Direct Lending	1,052,964	0.1	PIMCO Bravo I	1,217,871	0.1
PIMCO Bravo III	-	0.0	PIMCO Bravo III	978,147	0.1



Arkansas LOPFI Retirement System

Performance Evaluation Summary (Net Returns)

All calculations are time-weighted based on the market values and trade date of each transaction received from the bank.
December 31, 2016

	Allocation		Performance(%)							Inception Date
	Market Value \$	%	QTR	FYTD	1 YR	3 YR	5 YR	Inception		
Total Fund Composite	1,735,362,655	100.0	0.83	6.25	6.25	4.78	8.76	4.74	01/01/2001	
Total Fund Policy Index			0.52	7.59	7.59	4.61	8.26	5.05		
Total Equity Composite	974,646,866	56.2	2.19	8.88	8.88	6.48	13.04	6.81	01/01/1998	
Total Equity Policy Index			4.89	13.85	13.85	7.55	14.17	6.85		
Domestic Equity										
Barrow LCV	137,546,567	7.9	6.82	13.95	13.95	7.92	13.79	6.90	01/01/2006	
Russell 1000 Value Index			6.68	17.34	17.34	8.59	14.80	7.13		
Lazard Equity	86,773,228	5.0	2.19	10.46	10.46	7.60	N/A	11.45	07/01/2013	
S&P 500 Index			3.82	11.96	11.96	8.87	14.66	12.30		
State Street Flagship Index Fd	201,962,553	11.6	3.84	11.99	11.99	8.90	14.71	7.16	04/01/2005	
S&P 500 Index			3.82	11.96	11.96	8.87	14.66	7.85		
Dodge & Cox Stock Fund	138,630,395	8.0	10.71	21.28	21.28	8.54	17.05	7.02	01/01/2006	
Russell 1000 Value Index			6.68	17.34	17.34	8.59	14.80	7.13		
Wellington Equity	198,993,310	11.5	-3.86	0.43	0.43	7.42	15.12	6.40	01/01/1998	
Russell 1000 Growth Index			1.01	7.08	7.08	8.55	14.50	5.76		
Congress Equity	22,824,689	1.3	4.08	13.32	13.32	8.98	N/A	13.58	07/01/2013	
Russell Midcap Growth Index			0.46	7.33	7.33	6.23	13.51	10.50		
New South Capital Equity	41,644,767	2.4	0.84	8.26	8.26	5.75	N/A	9.39	07/01/2013	
Russell 2500 Index			6.12	17.59	17.59	6.93	14.54	11.18		



Arkansas LOPFI Retirement System

Performance Evaluation Summary (Net Returns)

All calculations are time-weighted based on the market values and trade date of each transaction received from the bank.
December 31, 2016 (Concluded)

	Allocation		Performance(%)							Inception Date
	Market Value \$	%	QTR	FYTD	1 YR	3 YR	5 YR	Inception		
International Equity										
Global Currents Intl Eq/Clearbridge	30,367,211	1.7	1.80	4.27	4.27	-2.70	7.45	4.07	04/01/2005	
MSCI EAFE Index			-0.68	1.51	1.51	-1.15	7.02	4.27		
Fisher Intl Eq	32,336,443	1.9	-1.69	1.32	1.32	-1.06	5.91	5.58	01/01/2002	
MSCI EAFE Index			-0.68	1.51	1.51	-1.15	7.02	5.75		
Fisher Emerging Mkts	25,402,000	1.5	-6.86	4.60	4.60	-1.75	N/A	1.58	07/01/2013	
MSCI Emerging Markets Index			-4.08	11.60	11.60	-2.19	1.65	0.27		
Wellington International Growth	19,764,616	1.1	-8.81	N/A	N/A	N/A	N/A	-2.72	04/01/2016	
MSCI AC World Index Growth			-2.27	3.66	3.66	3.79	10.12	3.87		
Total Fixed Income Composite	488,906,444	28.2	-2.67	3.15	3.15	2.40	2.46	4.61	01/01/1998	
Total Fixed Income Policy Index			-4.29	2.47	2.47	1.68	1.32	4.76		
PIMCO Interm Fixed Inc.	180,268,330	10.4	-2.46	2.60	2.60	2.66	3.21	4.67	10/01/2002	
Bloomberg Barclays Intermed Aggregate Index			-2.05	1.97	1.97	2.43	1.95	3.91		
WAMCO Agg Fixed Inc.	112,737,767	6.5	-2.78	3.51	3.51	3.93	3.17	4.09	10/01/2002	
Bloomberg Barclays U.S. Aggregate Index			-2.98	2.65	2.65	3.03	2.23	4.23		
GHA Fixed Income	98,872,284	5.7	-1.47	3.06	3.06	2.89	3.76	4.97	04/01/2005	
Bloomberg Barclays U.S. Aggregate Index			-2.98	2.65	2.65	3.03	2.23	4.32		
WAMCO High Yield	29,579,132	1.7	2.10	8.81	8.81	-1.02	N/A	-1.02	01/01/2014	
BofA Merrill Lynch 0-5 Year U.S. HY Constrained Inc			2.43	16.15	16.15	3.72	6.58	3.72		
Aberdeen Intl Fixed Inc.	67,448,932	3.9	-6.43	1.78	1.78	0.15	-0.84	3.85	01/01/1998	
Citigroup Non-U.S. World Government Bond			-10.84	1.81	1.81	-2.18	-1.94	4.04		



Arkansas LOPFI Retirement System

Performance Evaluation Summary (Net Returns)

All calculations are time-weighted based on the market values and trade date of each transaction received from the bank.
December 31, 2016 (Concluded)

	Allocation		Performance(%)							Inception Date
	Market Value \$	%	QTR	FYTD	1 YR	3 YR	5 YR	Inception		
International Equity										
Global Currents Intl Eq/Clearbridge	30,367,211	1.7	1.80	4.27	4.27	-2.70	7.45	4.07	04/01/2005	
MSCI EAFE Index			-0.68	1.51	1.51	-1.15	7.02	4.27		
Fisher Intl Eq	32,336,443	1.9	-1.69	1.32	1.32	-1.06	5.91	5.58	01/01/2002	
MSCI EAFE Index			-0.68	1.51	1.51	-1.15	7.02	5.75		
Fisher Emerging Mkts	25,402,000	1.5	-6.86	4.60	4.60	-1.75	N/A	1.58	07/01/2013	
MSCI Emerging Markets Index			-4.08	11.60	11.60	-2.19	1.65	0.27		
Wellington International Growth	19,764,616	1.1	-8.81	N/A	N/A	N/A	N/A	-2.72	04/01/2016	
MSCI AC World Index Growth			-2.27	3.66	3.66	3.79	10.12	3.87		
Total Fixed Income Composite	488,906,444	28.2	-2.67	3.15	3.15	2.40	2.46	4.61	01/01/1998	
Total Fixed Income Policy Index			-4.29	2.47	2.47	1.68	1.32	4.76		
PIMCO Interm Fixed Inc.	180,268,330	10.4	-2.46	2.60	2.60	2.66	3.21	4.67	10/01/2002	
Bloomberg Barclays Intermed Aggregate Index			-2.05	1.97	1.97	2.43	1.95	3.91		
WAMCO Agg Fixed Inc.	112,737,767	6.5	-2.78	3.51	3.51	3.93	3.17	4.09	10/01/2002	
Bloomberg Barclays U.S. Aggregate Index			-2.98	2.65	2.65	3.03	2.23	4.23		
GHA Fixed Income	98,872,284	5.7	-1.47	3.06	3.06	2.89	3.76	4.97	04/01/2005	
Bloomberg Barclays U.S. Aggregate Index			-2.98	2.65	2.65	3.03	2.23	4.32		
WAMCO High Yield	29,579,132	1.7	2.10	8.81	8.81	-1.02	N/A	-1.02	01/01/2014	
BofA Merrill Lynch 0-5 Year U.S. HY Constrained Inc			2.43	16.15	16.15	3.72	6.58	3.72		
Aberdeen Intl Fixed Inc.	67,448,932	3.9	-6.43	1.78	1.78	0.15	-0.84	3.85	01/01/1998	
Citigroup Non-U.S. World Government Bond			-10.84	1.81	1.81	-2.18	-1.94	4.04		

Arkansas LOPFI Retirement System

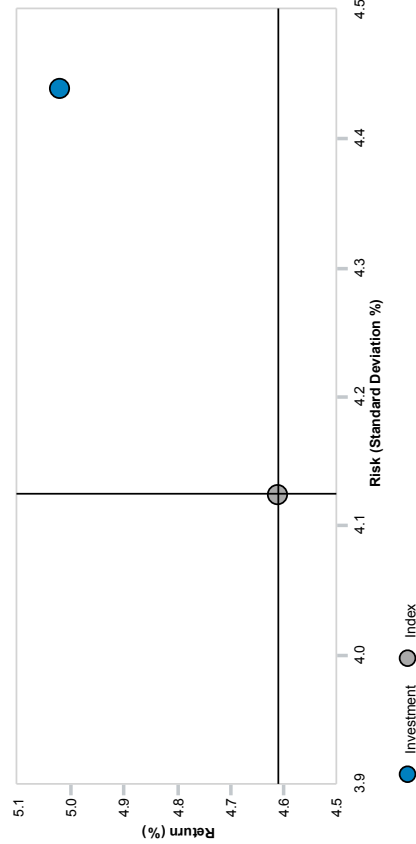
Total Fund Trailing 5-Years

December 31, 2016

Historical Statistics 3 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	5.02	4.44	1.11	102.50	10.00	86.49	2.00
Index	4.61	4.12	1.09	100.00	10.00	100.00	2.00

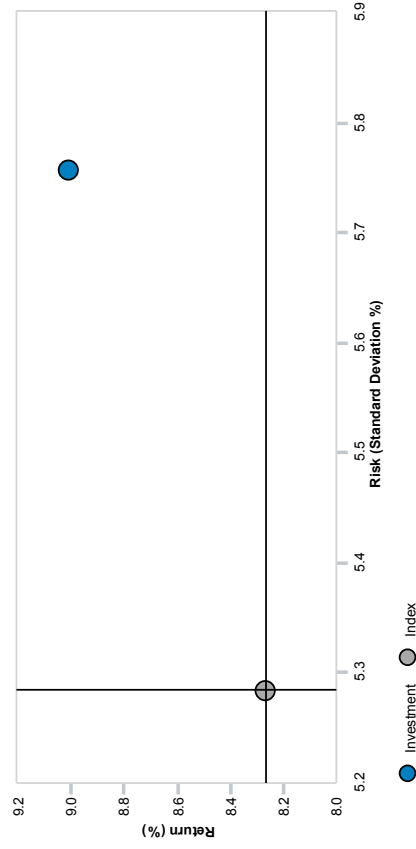
Risk and Return 3 Years



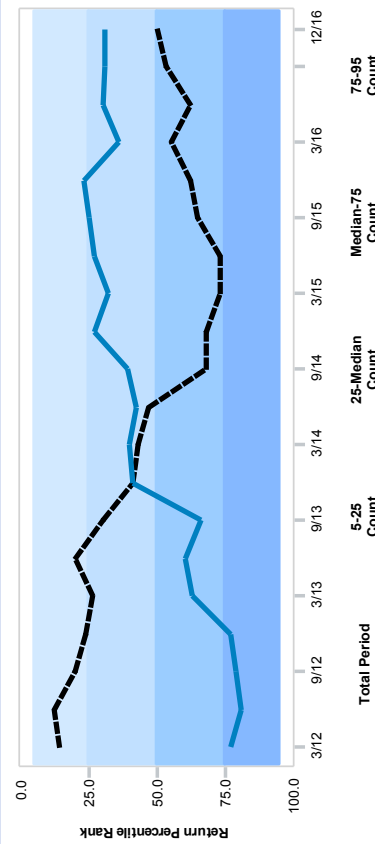
Historical Statistics 5 Years

	Return	Standard Deviation	Sharpe Ratio	Up Market Capture	Up Quarters	Down Market Capture	Down Quarters
Investment	9.00	5.76	1.52	106.85	17.00	95.08	3.00
Index	8.26	5.28	1.52	100.00	17.00	100.00	3.00

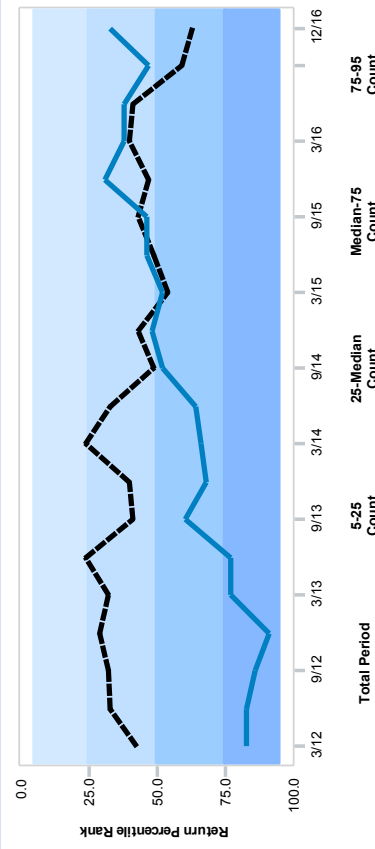
Risk and Return 5 Years



3 Year Rolling Percentile Rank All Public Plans - Total Fund



5 Year Rolling Percentile Rank All Public Plans - Total Fund



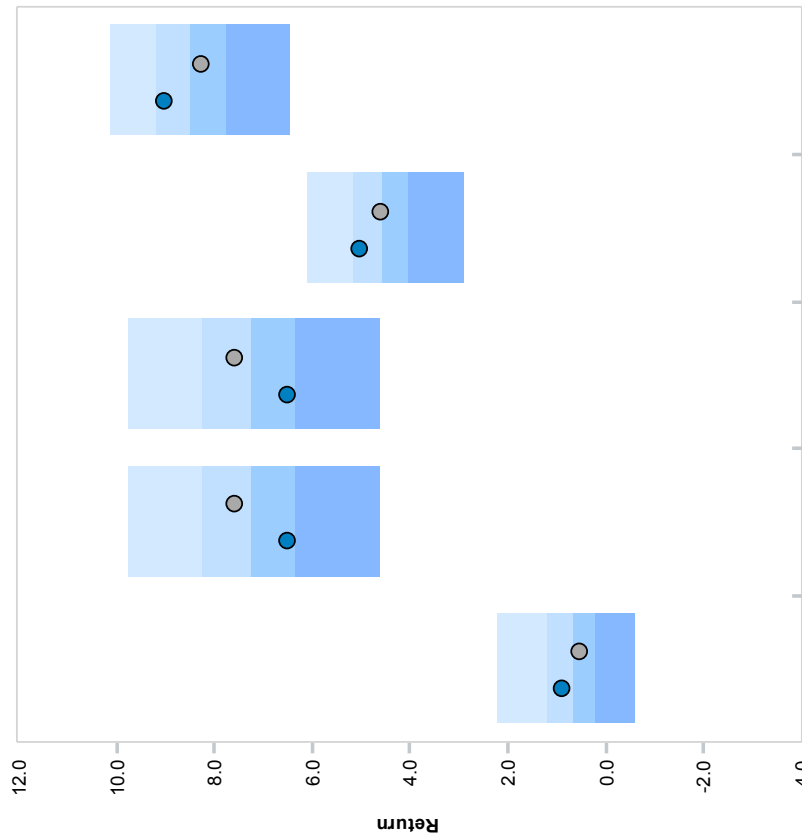
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Arkansas LOPFI Retirement System

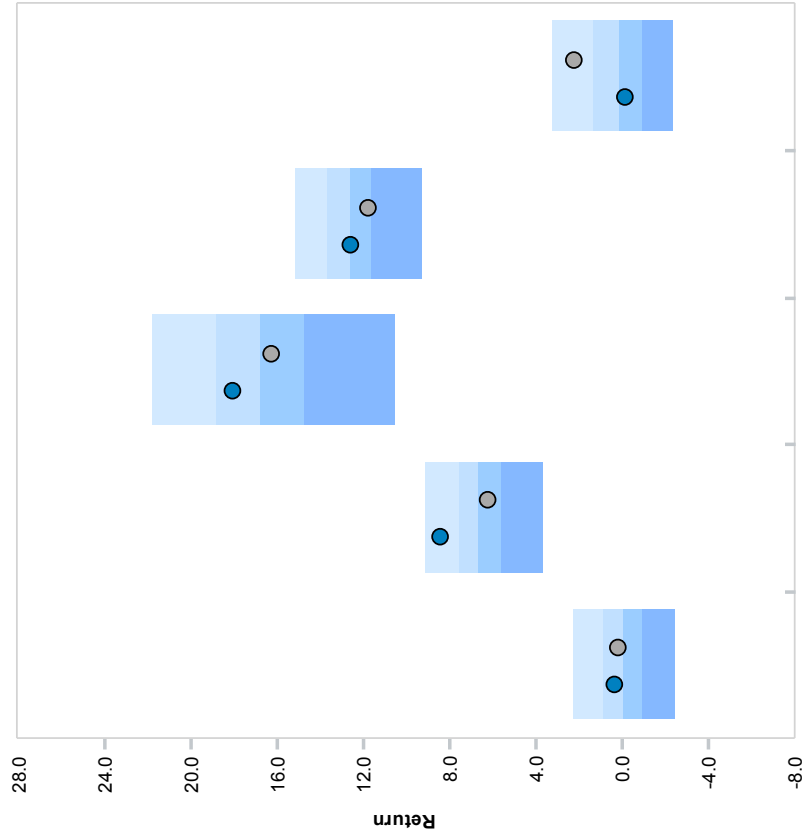
Total Fund Trailing 5-Years

December 31, 2016

Peer Group Analysis - All Public Plans-Total Fund



Peer Group Analysis - All Public Plans-Total Fund



Comparative Performance

	1 Qtr Ending Sep-2016	1 Qtr Ending Jun-2016	1 Qtr Ending Mar-2016	1 Qtr Ending Dec-2015	1 Qtr Ending Sep-2015	1 Qtr Ending Jun-2015
Investment	3.08 (67)	2.43 (18)	-0.03 (92)	3.18 (38)	-4.94 (46)	0.84 (6)
Index	3.23 (59)	1.94 (48)	1.71 (16)	2.81 (54)	-4.10 (16)	0.03 (39)
Median	3.43	1.91	1.04	2.88	-5.04	-0.11



ARKANSAS LOPFI RETIREMENT SYSTEM

TOTAL ANNUAL RETURNS 2012 - 2016 (Net of Investment Management Fees beginning 2008)
(The Bogdahn Group's calculations are time-weighted and based on the trade date of all transactions)

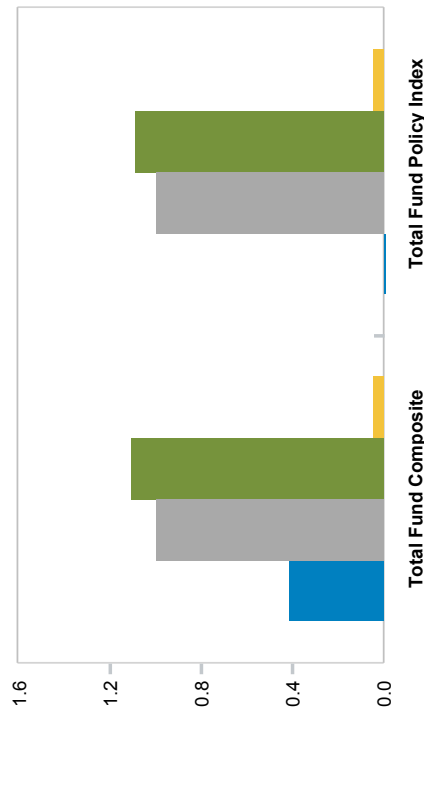
Manager	Annual Return					5 Years Annualized (Shorter periods as indicated)
	2012	2013	2014	2015	2016	
Wellington	19.35%	36.81%	11.91%	10.29%	0.43%	15.12%
Barrow Hanley	14.92%	32.12%	12.17%	-1.68%	13.95%	13.79%
Fisher International	17.43%	17.14%	-2.94%	-1.50%	1.32%	5.91%
PIMCO	10.34%	-1.92%	2.70%	2.68%	2.60%	3.21%
WAMCO	6.73%	-2.41%	7.73%	0.65%	3.51%	3.17%
Aberdeen	1.15%	-5.68%	3.72%	-4.85%	1.78%	-0.84%
SSGA Index Plus	16.19%	32.39%	13.68%	1.42%	11.96%	14.71%
Clearbridge Intl. Eq.	20.99%	28.50%	-8.16%	-3.81%	4.27%	7.45%
GHA	9.19%	1.09%	4.40%	1.25%	3.06%	3.76%
Dodge & Cox	22.23%	40.55%	10.40%	-4.49%	21.28%	17.05%
N.B. Crossroads	7.06%	14.71%	49.19%	0.60%	7.68%	14.69%
Citigroup Private Equity	15.49%	47.24%	34.06%	22.11%	-36.28%	12.15%
JP Morgan R.E.	11.03%	14.79%	10.06%	12.99%	8.39%	11.43%
JP Morgan Infrastructure	11.75%	6.47%	3.83%	0.31%	3.90%	5.19%
Macquarie Infrastructure	-4.27%	64.25%	-28.13%	-1.69%	11.02%	4.29%
Chickasaw	16.62%	45.54%	21.21%	-36.86%	27.88%	10.68%
KKR Mezzanine Partners	11.38%	17.18%	9.46%	-7.39%	-2.50%	5.22%
CITCO	4.67%	-23.28%	20.45%	-4.21%	-12.72%	0.59%
PIMCO Bravo II	26.87%	26.51%	15.67%	6.31%	9.09%	16.58%
Goldman Sachs	-1.94%	4.76%	20.91%	-1.38%	-7.86%	2.45%
AIM 13 Partners		14.25%	3.43%	-1.72%	2.68%	4.00%
Congress			12.83%	1.23%	13.32%	13.58%
Fisher Emerging Markets			1.07%	-10.30%	4.60%	1.58%
Lazard			11.61%	1.03%	10.46%	11.45%
New South Capital			10.61%	-1.22%	8.26%	9.39%
WAMCO High Yield			-2.01%	-9.04%	8.81%	-1.02%
Wellington International Growth					N/A	3 years
Wellington Commodities					N/A	9 months
N.B. Institutional Asset					N/A	9 months
PIMCO Bravo I					N/A	8 months
PIMCO Bravo III					N/A	8 months
KKR Direct Lending					N/A	2 months
KKR Energy Income & Growth					N/A	8 months
AIM 13 Partners Equity					N/A	8 months
Goldentree Select Offshore					N/A	0.52%
					N/A	7 months
Owl Rock Direct Lending					N/A	7.71%
					N/A	4 months
TOTAL FUND	12.30%	17.76%	8.16%	0.10%	6.25%	8.76%

Arkansas LOPFI Retirement System

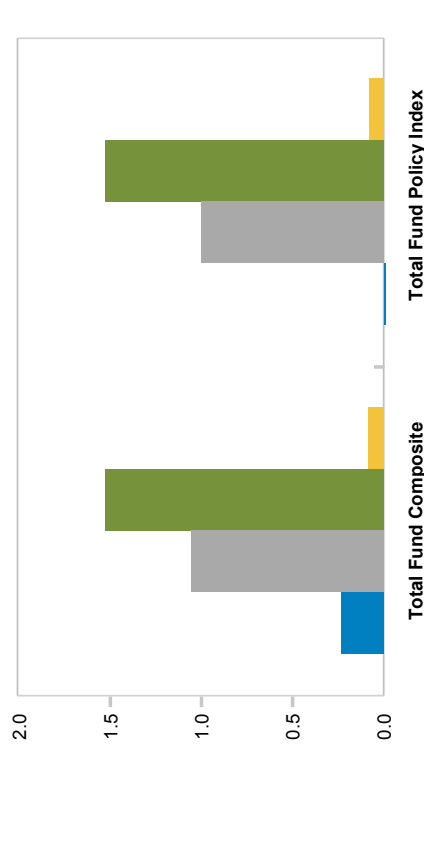
Index Comparison

December 31, 2016

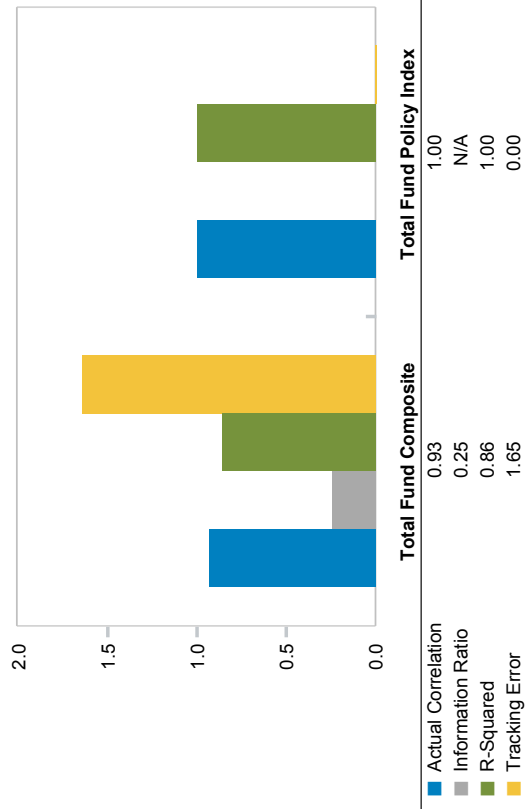
Risk / Reward Historical Statistics 3 Years Ending December 31, 2016



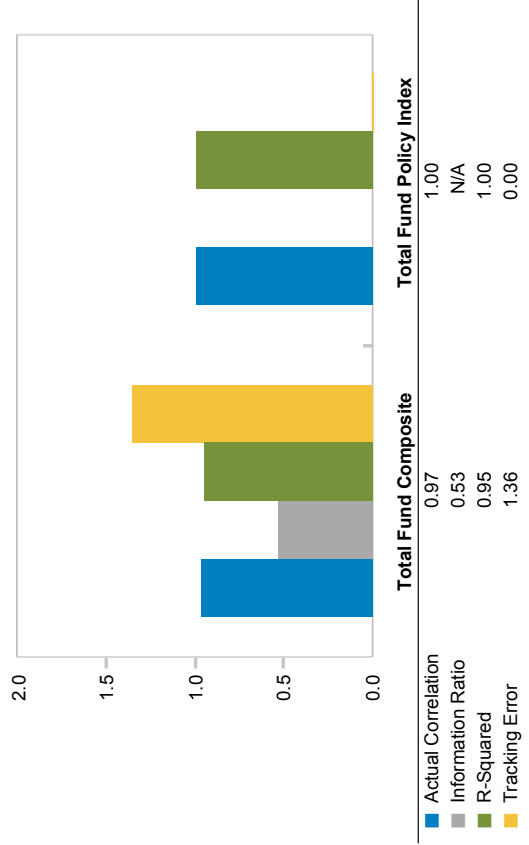
Risk / Reward Historical Statistics 5 Years Ending December 31, 2016



Benchmark Relative Historical Statistics 3 Years Ending December 31, 2016



Benchmark Relative Historical Statistics 5 Years Ending December 31, 2016



Benchmark: Total Fund Policy Index

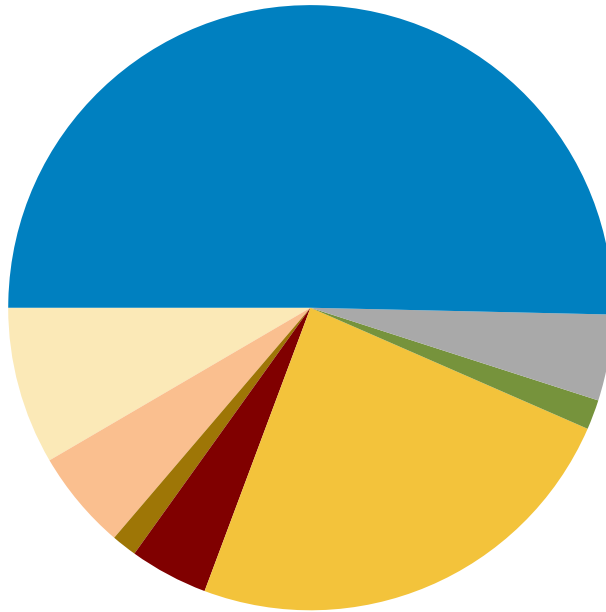


Arkansas LOPFI Retirement System

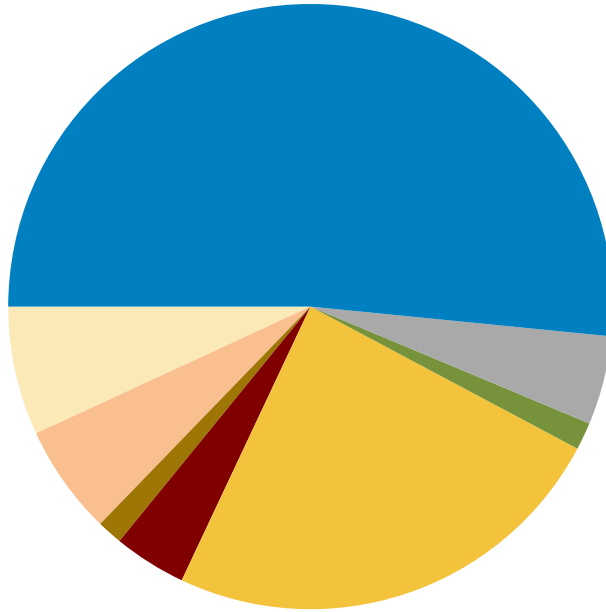
Executive Summary

December 31, 2016

Asset Allocation By Segment as of September 30, 2016 : \$1,712,497,893



Asset Allocation By Segment as of December 31, 2016 : \$1,735,362,655



Allocation		Allocation	
Segments	Market Value	Segments	Market Value
Domestic Equity	862,472,280	Domestic Equity	894,946,827
International Equity	78,696,790	International Equity	82,328,568
Emerging Equity	27,274,000	Emerging Equity	25,402,000
Domestic Fixed Income	413,477,057	Domestic Fixed Income	420,363,791
International Fixed Income	72,019,323	International Fixed Income	67,448,932
Real Estate	23,083,945	Real Estate	23,524,451
Private Equity	91,324,970	Private Equity	101,883,000
Cash Equivalent	144,149,528	Cash Equivalent	119,465,087



Arkansas LOPFI Retirement System

Schedule of Investment Expenses

As of December 31, 2016

Professional / Consultant	Nature of Service	Amount
Aberdeen Asset - International Fixed Income	Money Manager	\$ 243,598
Barrow, Hanley - Large Cap Value - Equity	Money Manager	\$ 396,190
Chickasaw	Money Manager	\$ 164,093
ClearBridge (formerly Global Currents) - International Equity*	Money Manager	\$ 178,038
Congress - Mid Cap Growth - Equity*	Money Manager	\$ 105,641
Fisher Investments - International Equity	Money Manager	\$ 230,360
Garcia Hamilton - Core Fixed Income	Money Manager	\$ 191,147
JP Morgan*	Money Manager	\$ 55,696
JP Morgan IIF - Tax Exempt*	Money Manager	\$ 17,412
Lazard - Large Cap Equity*	Money Manager	\$ 402,603
New South - Small/Mid Cap Value - Equity	Money Manager	\$ 379,513
State Street - Large Cap Core Equity*	Money Manager	\$ 61,862
WAMCO - Aggregate Fixed Income/ High Yield	Money Manager	\$ 410,618
Western Asset - Short Term/High Yield	Money Manager	\$ 111,060
Wellington - Large Cap Growth - Equity	Money Manager	\$ 963,801
Wellington - International Growth - Equity*	Money Manager	\$ 74,580
Wellington - Commodities*	Money Manager	\$ 5,725
Total Investment Fees		<u>\$ 3,991,938</u>
Regions Bank	Custodial Service	<u>\$ 216,000</u>
Stephens	Investment Consultant	<u>\$ 400,000</u>
AndCo Consulting	Investment Monitoring	<u>\$ 150,250</u>
Grand Total		\$ 4,758,188
MV of Fund @ 12/31/2016		\$ 1,735,345,854
Grand Total as a % of the 12/31/2016 MV		0.27%

* Fee calculated based on 12 months custodial statements.

Arkansas Local Police & Fire Retirement System

Schedule of Broker Commissions

Year Ending December 31, 2016

Brk#	Broker Name	Broker Commissions	Gross Price of Assets
13	SANFORD C. BERNSTEIN AND CO., LLC	\$753	\$1,531,370
161	MERRILL LYNCH, PIERCE, FENNER and	\$2,739	\$2,933,532
19	JEFFERIES and CO, INC	\$381	\$960,509
229	BARCLAYS CAPITAL INC	\$95	\$216,482
235	RBC DAIN RAUSCHER INC	\$2,630	\$1,557,300
295	KNIGHT CLEARING SERVICES LLC	\$19	\$147,250
345	KEEFE BRUYETTE AND WOODS INC	\$795	\$1,927,531
352	JP MORGAN CLEARING CORP	\$5	\$75,517
355	CREDIT SUISSE FIRST BOSTON LLC	\$296	\$658,691
418	CITIGROUP GLOBAL MARKETS INC.	\$2,852	\$2,336,594
419	STEPHENS, INC	\$102	\$109,672
46171	WELLS FARGO SECURITIES LLC	\$480	\$323,216
5	GOLDMAN SACHS and CO	\$2,507	\$4,715,682
50	MORGAN STANLEY	\$3,119	\$2,759,760
54720	SUNTRUST CAPITAL MARKETS, INC.	\$102	\$256,376
57079	J.P. MORGAN SECURITIES INC.	\$2,576	\$4,025,253
573	DEUTSCHE BANK SECURITIES, INC.	\$1,995	\$3,693,849
58851	BTIG LLC	\$301	\$675,627
59055	CAP INSTITUTIONAL SERVICES INC	\$1,549	\$1,189,977
59964	BLOOMBERG TRADEBOOK LLC	\$593	\$2,110,270
61514	TELSEY ADVISORY GROUP LLC	\$396	\$819,344
61610	BARCLAYS CAPITAL LE	\$434	\$435,204
62465	KNIGHT EQUITY MARKETS LP	\$4,414	\$3,545,889
62526	MKM PARTNERS LLC	\$28	\$38,062
642	UBS SECURITIES LLC	\$5,512	\$6,888,855
67	INSTINET CORPORATION	\$1,276	\$1,640,597
68021	REDBURN	\$18	\$40,996
6826	INSTINET	\$3,375	\$12,082,746
68991	CORNERSTONE MACRO LLC	\$137	\$138,823
69270	AUTONOMOUS	\$311	\$770,675
69398	BERENBERG CAPTIAL MARKETS	\$46	\$96,175
69400	LIQUIDNET INC	\$1,656	\$4,508,385
696	CANTOR FITZGERALD AND CO.	\$86	\$144,065
71761	DOWLING AND PARTNERS	\$476	\$460,915
72492	SUNGARD BROKERAGE AND SECURITIES SVCS LLC	\$213	\$1,008,167
725	RAYMOND JAMES and ASSOC. INC.	\$119	\$306,163
750	STERNE , AGEE and LEACH, INC	\$1,033	\$1,581,913
75353	STATE STREET GLOBAL MARKETS, LLC	\$20	\$107,884
75945	PICKERING ENERGY PARTNERS, INC	\$214	\$249,633
76099	MACQUARIE SECURITIES INC	\$574	\$405,651
77318	COWEN AND COMPANY LLC	\$235	\$446,524
77583	JONES TRADING INSTITUTIONAL SERVICES	\$64	\$84,533
77733	STUART FRANKEL AND CO	\$387	\$1,610,881
83213	ISI GROUP, INC	\$844	\$1,576,716

Arkansas Local Police & Fire Retirement System

Schedule of Broker Commissions

Year Ending December 31, 2016

Brk#	Broker Name	Broker Commissions	Gross Price of Assets
84336	BROADCORT CAPITAL CORP FIXED INCOME	\$1,536	\$2,702,241
89984	O'NEIL, WILLIAM and CO., INC/BCC	\$490	\$188,081
96	SCOTIA CAPITAL USA INC	\$508	\$872,387
9883	WEEDEN AND CO.	\$670	\$2,608,335
99	ITG INC	\$6	\$98,012
	TOTAL	\$48,960	\$77,662,307

Arkansas LOPFI Retirement System

Highest Portfolio Holdings by Manager

Top Three Securities

As of December 31, 2016

FISHER ADR		LIQUIDATION		BARROW_HANLEY		CONGRESS		GARCIA HAMILTON		LAZARD		NEW SOUTH			
TENCENT HOLDINGS LTD		REGIONS TRUST CASH SWEEP		BP PLC ADR		COGNEX CORP		UNITED STATES TREASURY		APPLE INC		OPEN TEXT CORP			
MATURITY	1	N/A	N/A	N/A	N/A	N/A	N/A	5/15/2025	N/A	N/A	N/A	N/A	N/A		
Market Value	\$1,231,587	\$107,818,151	\$107,818,151	\$4,484,740	\$890,680	\$18,939,589	\$4,371,163	\$19,230,384	\$2,719,640	\$4,371,163	\$2,719,640	\$2,719,640	\$2,719,640		
Book Value	\$300,281	\$107,818,151	\$107,818,151	\$4,839,234	\$536,533	\$19,230,384	\$2,974,485	\$1,575,126	\$1,575,126	\$2,974,485	\$1,575,126	\$1,575,126	\$1,575,126		
Percent of Fund	3.83%	100.00%	100.00%	3.27%	3.90%	19.16%	5.04%	6.54%	6.54%	5.04%	6.54%	6.54%	6.54%		
TAIWAN		WELLS FARGO & CO.		DORMAN PRODUCTS INC		UNITED STATES TREASURY DTD		ALPHABET INC A		CGI GROUP INC A					
MATURITY	2	N/A	N/A	N/A	N/A	2/15/2026	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Market Value	\$1,136,717	\$0	\$0	\$4,454,486	\$803,660	\$9,023,797	\$4,226,928	\$2,157,987	\$4,226,928	\$2,157,987	\$2,157,987	\$2,157,987	\$2,157,987		
Book Value	\$453,942	\$0	\$0	\$2,772,714	\$559,023	\$873,873	\$3,089,810	\$1,497,452	\$3,089,810	\$1,497,452	\$1,497,452	\$1,497,452	\$1,497,452		
Percent of Fund	3.54%	0.00%	0.00%	3.24%	3.52%	9.13%	4.87%	5.19%	4.87%	5.19%	5.19%	5.19%	5.19%		
3 ASML HOLDINGS		JPMORGAN CHASE & CO		SYNOPSIS INC		UNITED STATES TREASURY DTD		BANK OF AMERICA		THERMO FISHER SCIENTIFIC INC					
MATURITY	N/A	N/A	N/A	N/A	N/A	2/15/2025	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Market Value	\$976,364	\$0	\$0	\$4,443,935	\$706,320	\$7,179,316	\$3,793,023	\$2,060,060	\$3,793,023	\$2,060,060	\$2,060,060	\$2,060,060	\$2,060,060		
Book Value	\$330,934	\$0	\$0	\$2,237,778	\$448,238	\$7,494,185	\$2,720,990	\$1,202,235	\$2,720,990	\$1,202,235	\$1,202,235	\$1,202,235	\$1,202,235		
Percent of Fund	3.04%	0.00%	0.00%	3.24%	3.10%	7.26%	4.37%	4.95%	4.37%	4.95%	4.95%	4.95%	4.95%		
\$32,336,443.00		\$107,818,151.00		\$137,546,567.00		\$22,824,689.00		\$98,872,284.00		\$86,773,228.00		\$41,644,767.00			
WAMCO		PIMCO INTERM FIXED INCOME		STATE STREET S&P 500		DODGE & COX		WELLINGTON EQUITY		CLEARBRIDGE		FISHER EM		WELLINGTON INTL GROWTH	
UNITED STATES TREASURY DTD		FANNIE MAE		APPLE INC		BANK OF AMERICA		YANDEX		HONDA MOTOR		TENCENT HOLDINGS		TAIWAN SEMICONDUCTOR	
MATURITY	1	9/30/2021	11/1/2046	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Market Value	\$7,451,966	\$19,757,409	\$6,079,073	\$5,531,353	\$1,313,356	\$759,180	\$1,226,917	\$523,762	\$1,226,917	\$523,762	\$523,762	\$523,762	\$523,762	\$523,762	\$523,762
Book Value	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Percent of Fund	6.61%	10.96%	3.01%	3.99%	0.66%	2.50%	4.83%	2.65%	0.66%	2.50%	4.83%	2.65%	2.65%	2.65%	2.65%
UNITED STATES TREASURY DTD		FANNIE MAE		MICROSOFT		WELLS FARGO & CO.		RIO TINTO PLC		RIO TINTO PLC		TAIWAN SEMICONDUCTOR		TENCENT HOLDINGS	
MATURITY	2	11/30/1022	11/1/2046	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Market Value	\$3,201,753	\$18,513,557	\$4,725,924	\$5,364,996	\$1,273,557	\$713,629	\$1,214,216	\$521,786	\$1,214,216	\$521,786	\$521,786	\$521,786	\$521,786	\$521,786	\$521,786
Book Value	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Percent of Fund	2.84%	10.27%	2.34%	3.87%	0.64%	2.35%	4.78%	2.64%	0.64%	2.35%	4.78%	2.64%	2.64%	2.64%	2.64%
UNITED STATES TREASURY DTD		FANNIE MAE		EXXON MOBIL		CAPITAL ONE FINANCIAL		C.H. ROBINSON WORLDWIDE		BNP PARIBAS		SAMSUNG ELECTRONICS		BRITISH AMERICAN TOBACCO	
MATURITY	3	5/15/2045	12/1/2046	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Market Value	\$2,085,649	\$15,917,694	\$3,251,597	\$5,337,270	\$1,273,557	\$701,483	\$1,140,550	\$472,374	\$1,140,550	\$472,374	\$472,374	\$472,374	\$472,374	\$472,374	\$472,374
Book Value	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Percent of Fund	1.85%	8.83%	1.61%	3.85%	0.64%	2.31%	4.49%	2.39%	0.64%	2.31%	4.49%	2.39%	2.39%	2.39%	2.39%
\$112,737,767.00		\$180,268,330.00		\$201,962,553.00		\$138,630,395.00		\$198,993,310.00		\$30,367,211.00		\$25,402,000.00		\$19,764,616.00	

A complete list of portfolio holdings is available upon written request to LOPFI

Arkansas Local Police & Fire Retirement System

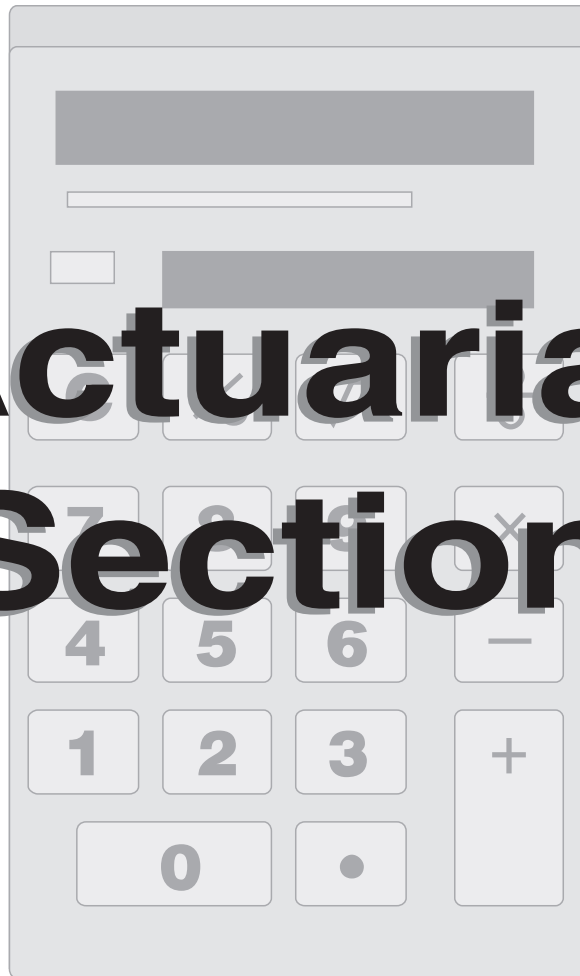
Investment Summary Year Ended December 31, 2016

<u>Type of Investment</u>	December 31, 2016		
	<u>Cost Value</u>	<u>Fair Value</u>	<u>% of Total</u>
Cash and Short Term Investments	\$ 139,403,804	\$ 139,403,804	7.9%
Investments:			
U.S. Government Obligations	75,409,357	74,709,127	4.3%
Corporate Obligations	24,854,684	23,787,628	1.4%
Foreign Bonds	-	-	0.0%
Fixed Income Collective Trusts	227,865,713	247,257,602	14.1%
Common and Preferred Stocks	258,764,846	315,743,888	18.0%
Special Situation Properties, etc.	342,400,397	349,078,396	19.9%
Equity Mutual Collective Trusts	350,267,342	605,243,531	34.4%
Real Estate Investment	-	-	0.0%
	<u>\$ 1,279,562,339</u>	<u>\$ 1,615,820,171</u>	<u>* 91.9%</u>
Land and Building	<u>2,395,153</u>	<u>2,395,153</u>	<u>0.1%</u>
Total Investments	<u>\$ 1,421,361,296</u>	<u>\$ 1,757,619,128</u>	<u>100.0%</u>

<u>Type of Investment</u>	December 31, 2015		
	<u>Cost Value</u>	<u>Fair Value</u>	<u>% of Total</u>
Cash and Short Term Investments	\$ 144,832,792	\$ 144,832,792	8.2%
Investments:			
U.S. Government Obligations	116,279,516	116,199,276	6.6%
Corporate Obligations	75,474,912	73,352,603	4.2%
Foreign Bonds	446,376	279,910	0.0%
Fixed Income Collective Trusts	222,414,486	241,185,910	13.7%
Common and Preferred Stocks	238,783,994	281,913,252	16.0%
Special Situation Properties, etc.	191,546,421	198,094,676	11.3%
Equity Mutual Collective Trusts	331,181,588	575,170,410	32.7%
Real Estate Investment	<u>1,868,327</u>	<u>1,868,327</u>	<u>0.1%</u>
	<u>\$ 1,177,995,619</u>	<u>\$ 1,488,064,365</u>	<u>* 84.7%</u>
Land and Building	<u>730,084</u>	<u>730,084</u>	<u>0.0%</u>
Total Investments	<u>\$ 1,323,558,495</u>	<u>\$ 1,633,627,241</u>	<u>92.9%</u>

* Per Statements of Fiduciary Net Position on Page 24.

Actuarial Section



ACTUARY'S LETTER

GABRIEL, ROEDER, SMITH & COMPANY
Consultants & Actuaries

One Towne Square • Suite 800 • Southfield, Michigan 48076 • 248-799-9000 • 800-521-0498 • fax 248-799-9020

June 6, 2017

The Board of Trustees
Arkansas Local Police and Fire Retirement System
620 W. 3rd, Suite 200
Little Rock, Arkansas 72201-2212

Dear Trustees:

The basic financial objective of the Arkansas Local Police and Fire Retirement System (LOPFI) 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 LOPFI to present and future benefit recipients.

The actuarial valuation reports were prepared at the request of the Board and are intended for use by the Retirement System and those designated or approved by the Board. The reports may be provided to parties other than the System only in their entirety and only with the permission of the Board. GRS is not responsible for unauthorized use of the reports. The reports should not be relied on for any purpose other than the purpose described.

The financial objective is addressed within the annual actuarial valuations. The valuation process develops contribution rates that are sufficient to fund the plan's normal cost (i.e., the costs 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 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 December 31, 2016.

LOPFI's administrative staff provides the actuary with data for the actuarial valuations. 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 LOPFI staff.

As of December 31, 2016, actuarial valuations were made for 862 employer groups. Summary information about the resulting new employer contribution rates is shown in the compiled annual report. Results of the 2016 actuarial valuations indicate that aggregate actuarial accrued liabilities are 71% covered by the actuarial value of assets. This has increased from last year's result of 69%. The actuarial value of assets is 105% of the market value of assets as of December 31, 2016. These results include the 197 local police and fire pension and relief funds which are closed to new hires and for which LOPFI also serves as administrative agent. Valuation results for those groups are summarized in the compiled annual report and are provided to the local fund and to the LOPFI administrative staff.

We prepared the following supporting schedules for the Comprehensive Annual Financial Report for the System's use in the Actuarial Section, the Statistical Section, Notes to the Financial Statements and Required Supplementary Information:

Actuarial Section

- Summary of Actuarial Assumptions and Methods
- Summary of Member Data Included in Valuations
- Active Members by Attained Age and Years of Service
- Schedule of Computed Employer Rates
- List of Benefit Program 2 Employer Groups
- Development of Funding Value of Retirement System Assets
- Reported Assets Available for Benefits
- Summary of Assets, Accrued Liabilities and Average Contribution Rates
- Short Condition Test
- Derivation of Actuarial Gain (Loss)
- Summary Plan Provisions for Paid and Volunteer Service
- Retirees and Beneficiaries Added to and Removed from Rolls

Statistical Section

- Summary of Membership Data
- Benefits Payable by Type for the Last Ten Years
- Schedules of Retired and Vested Members by Type of Benefit and Department
- Top Ten Participating Employers

Financial Section

- Schedule of Changes in the Employers' Net Pension Liability and Related Ratios
- Schedule of Employer Contributions
- Sensitivity of Net Pension Liability to the Single Discount Rate Assumption

Assets are valued on a market related basis that recognizes each year's difference between actual and assumed investment return over a closed five-year period.

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 December 31, 2016 valuations were based upon assumptions that were recommended in connection with a study of experience covering the 2008-2011 period and, more recently, the economic assumptions adopted by the Board in December 2015. These assumptions are established by the Board after consulting with the actuary as outlined in A.C.A. 24-10-205(a)(1).

To the best of our knowledge, this report is complete and accurate and was made in accordance with standards of practice promulgated by the Actuarial Standards Board of the American Academy of Actuaries and in conformance with Title 24 of the Arkansas Code. In our opinion, the assumptions used for the valuation produce results which, individually and in the aggregate, are reasonable. Note

that other assumptions and methods could also be reasonable and could result in materially different results. In addition, because it is not possible or practical to consider every possible contingency, we may use summary information, estimates or simplifications of calculations to facilitate the modeling of future events. We may also exclude factors or data that are deemed to be immaterial. 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.

Please be aware that future actuarial measurements may differ significantly from the current measurements presented in this report due to such factors as: plan experience differing from that anticipated by the economic and demographic assumptions; changes in economic or demographic assumptions; increases or decreases expected as part of the natural operation of the methodology used for these measurements (such as the end of an amortization period or additional cost or contribution requirements based on the plan's funded status); and changes in plan provisions or applicable law. Due to the limited scope of the actuary's assignment, the actuary did not perform an analysis of the potential range of such future measurements.

The valuations assumed the continuing ability of the plan sponsor to make contributions necessary to fund this plan. A determination of the ability of the plan sponsor to do so is outside our area of expertise and was not performed.

The report includes risk metrics, but does not include a more robust assessment of the risks of future experience not meeting the actuarial assumptions. Additional assessment of risks was outside the scope of this assignment. We encourage a review and assessment of investment and other significant risks that may have a material effect on the plan's financial condition.

On the basis of the December 31, 2016 actuarial valuations and the benefits and contribution rates then in effect, it is our opinion that the Arkansas Local Police and Fire Retirement System continues to satisfy the general financial objective of level contribution financing.

This report has been prepared by individuals who have substantial experience valuing public employee retirement systems. The individuals submitting this report are independent of the plan sponsor. Heidi G. Barry is a Member of the American Academy of Actuaries (MAAA) and meets the Qualification Standards of the American Academy of Actuaries to render the actuarial opinions contained herein.

Respectfully submitted,



David L. Hoffman



Heidi G. Barry, ASA, MAAA, FCA

DLH/HGB:mrh

**SUMMARY OF
ASSUMPTIONS USED FOR LOPFI ACTUARIAL VALUATIONS
Assumptions Adopted by Board of Trustees After Consulting With Actuary**

The actuarial assumptions used in making the valuations are shown in this section of the report. The assumptions are established by the Board after consulting with the actuary as outlined in A.C.A. 24-10-205(a)(1).

ECONOMIC ASSUMPTIONS -----

The investment return rate used in making the valuation was 7.75% per year, compounded annually (net after administrative expenses). This rate of return is not the assumed real rate of return. The real rate of return is defined to be the portion of investment return which is more than the wage inflation rate. With a 3.75% wage inflation assumption, the 7.75% investment return rate translates to an assumed real rate of return of 4.0%.

Price inflation was assumed to be 2.75% a year. This assumption was utilized to increase the basic benefit factor for volunteer members.

Pay increase assumptions for individual active members are summarized in Schedule A-5. Part of the assumption for each age is for a merit and/or seniority increase, and the other 3.75% recognizes wage inflation.

Total active member payroll is assumed to increase 3.75% a year, which is the portion of the individual pay increase assumptions attributable to wage inflation.

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

NON-ECONOMIC ASSUMPTIONS -----

The mortality table used to measure retired life mortality was the RP-2000 Combined Projected to 2017 Table, set forward two years for men. Related values are shown in Schedule A-1. Disability post-retirement mortality was assumed to be the same as standard post-retirement mortality set forward an additional 10 years. For death-in-service mortality, one hundred percent of the post-retirement mortality tables were used. Fifty percent of deaths-in-service were assumed to be duty related. These assumptions include a margin for future mortality improvements.

The probabilities of retirement for members eligible to retire are shown in Schedule A-3.

The probabilities of withdrawal from service are summarized in Schedule A-4, and the *probabilities of disability* are summarized in Schedule A-2.

An individual entry age actuarial cost method of valuation was used in determining age & service allowance normal costs and the allocation of actuarial present values between service rendered before and after the valuation date. The entry-age actuarial cost method has the following characteristics:

- (i) the annual normal costs for each individual active member, payable from the member's actual date of employment to the member's projected date of retirement are sufficient to accumulate the actuarial present value of the member's benefit at the time of retirement; and
- (ii) each annual normal cost is: (a) a constant percentage of the member's year by year projected covered pay for paid service plans, or (b) an increasing dollar amount for volunteer service plans.

Differences in the past between assumed experience and actual experience ("actuarial gains and losses") are inevitable and become part of accrued liabilities. In LOPFI, cumulative actuarial losses and gains are the same as unfunded (or overfunded) accrued liabilities.

Unfunded accrued liabilities are amortized to produce contribution amounts (principal and interest) which are (a) level percent of payroll contributions over a period of future years for paid service plans, or (b) increasing dollar amounts for volunteer service plans.

For Benefit Program 3 volunteer service plans, the contribution rates from the December 31, 2002 valuation were developed based on a \$5.00 per month basic benefit factor. This factor is \$6.54 effective July 1, 2017 and is assumed to increase at the assumed rate of price inflation in future years. For Benefit Program 4 volunteer service plans, the contribution rates from the December 31, 2012 valuation were developed based on a \$10.00 per month basic benefit factor. This factor is \$10.60 effective July 1, 2017 and is assumed to increase at the assumed rate of price inflation in future years.

OTHER TECHNICAL ASSUMPTIONS -----

Decrements are assumed to occur at the middle of the valuation year.

The probability of being married, for death-in-service benefits, is assumed to be 90%.

Members who are eligible to participate in the DROP are assumed to participate in the DROP program in such a manner that is the most advantageous to them.

Future service credit is always assumed to accrue at the rate of 1 year of credit every 12 calendar months. Lower service accrual rates (service breaks or less-than-full-time employment) or higher service accrual rates (addition of military credit or reinstatement of prior service) are reflected as they are reported. Any lower or higher accrual rates may result in small financial gains or losses when reported.

The form of benefit payment assumed in the valuation for paid service and volunteer service plans is the Five Year Certain and Life Option. For local plans under LOPFI administration, the assumed form of benefit payment is 100% joint and survivor for police plans and the Life Option for fire plans. For local fire plans under LOPFI administration who have adopted Act 397, the assumed form of benefit payment is 100% joint and survivor.

Employer contribution dollars were assumed to be ***paid in equal installments*** throughout the employer fiscal year.

Present assets (cash & investments) were used based on a smoothed market value.

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.

Future actuarial measurements may differ significantly from the current measurements presented in this report due to such factors as: plan experience differing from that anticipated by the economic and demographic assumptions; changes in economic or demographic assumptions; increases or decreases expected as part of the natural operation of the methodology used for these measurements (such as the end of an amortization period or additional cost or contribution requirements based on the plan's funded status); and changes in plan provisions or applicable law. Due to the limited scope of the actuary's assignment, the actuary did not perform an analysis of the potential range of such future measurements.

LOPFI Covered Groups and Covered Persons (Excluding Local Funds)

Paid Police Covered by Social Security	Valuation Groups	Active Members*				Inflation Increase % (CPI)
		Number	Annual Payroll	Average Pay	% Increase	
12/31/1985	39	218	\$ 3,066,418	\$14,066	10.7 %	3.8 %
12/31/1986	42	276	4,170,832	15,112	7.4	1.1
12/31/1987	48	342	5,333,703	15,596	3.2	4.4
12/31/1988	54	413	6,759,766	16,367	4.9	4.4
12/31/1989	54	457	7,803,548	17,076	4.3	4.6
12/31/1990	62	517	9,386,818	18,156	6.3	6.1
12/31/1991	73	614	11,618,980	18,923	4.2	3.1
12/31/1992	78	683	13,483,829	19,742	4.3	2.9
12/31/1993	89	806	16,407,154	20,356	3.1	2.7
12/31/1994	98	916	19,373,328	21,150	3.9	2.7
12/31/1995	110	1,053	23,212,618	22,044	4.2	2.5
12/31/1996	117	1,145	26,154,080	22,842	3.6	3.3
12/31/1997	128	1,211	28,971,065	23,923	4.7	1.7
12/31/1998	134	1,346	33,301,863	24,741	3.4	1.6
12/31/1999	141	1,480	38,187,948	25,803	4.3	2.7
12/31/2000	150	1,493	39,080,134	26,176	1.4	3.4
12/31/2001	152	1,497	42,193,903	28,186	7.7	1.6
12/31/2002	158	1,556	46,480,114	29,872	6.0	2.4
12/31/2003	154	1,583	49,757,738	31,433	5.2	1.9
12/31/2004	154	1,583	51,235,812	32,366	3.0	3.3
12/31/2005	154	1,614	53,061,186	32,876	1.6	3.4
12/31/2006	161	1,680	57,466,068	34,206	4.0	2.5
12/31/2007	166	1,787	62,170,244	34,790	1.7	4.1
12/31/2008	163	1,838	66,243,983	36,041	3.6	0.1
12/31/2009	172	1,905	71,687,015	37,631	4.4	2.7
12/31/2010	175	1,906	72,900,413	38,248	1.6	1.5
12/31/2011	176	1,931	74,098,384	38,373	0.3	3.0
12/31/2012	175	1,948	75,476,200	38,745	1.0	1.7
12/31/2013	172	1,986	79,718,641	40,140	3.6	1.5
12/31/2014	176	2,020	83,100,711	41,139	2.5	0.8
12/31/2015	183	2,122	89,826,406	42,331	2.9	0.7
12/31/2016	179	2,152	91,581,947	42,557	0.5	2.1

* Includes DROP participants, if any.

Continued on next page

LOPFI Covered Groups and Covered Persons
(Excluding Local Funds)
(Continued)

Paid Police Not Covered by Social Security	Valuation Groups	Active Members*				Inflation Increase % (CPI)
		Number	Annual Payroll	Average Pay	% Increase	
12/31/1985	13	214	\$ 3,386,482	\$15,825	6.3 %	3.8 %
12/31/1986	13	283	4,798,324	16,955	7.1	1.1
12/31/1987	13	321	5,812,570	18,108	6.8	4.4
12/31/1988	14	410	7,849,599	19,145	5.7	4.4
12/31/1989	14	426	8,769,222	20,585	7.5	4.6
12/31/1990	14	539	11,392,678	21,137	2.7	6.1
12/31/1991	14	629	13,997,170	22,253	5.3	3.1
12/31/1992	14	693	16,891,924	24,375	9.5	2.9
12/31/1993	14	735	18,643,459	25,365	4.1	2.7
12/31/1994	14	866	22,959,944	26,513	4.5	2.7
12/31/1995	14	1,002	27,042,274	26,988	1.8	2.5
12/31/1996	14	1,087	31,394,960	28,882	7.0	3.3
12/31/1997	14	1,154	35,468,514	30,735	6.4	1.7
12/31/1998	14	1,220	39,052,564	32,010	4.1	1.6
12/31/1999	14	1,257	42,319,350	33,667	5.2	2.7
12/31/2000	15	1,300	45,395,466	34,920	3.7	3.4
12/31/2001	15	1,310	47,997,431	36,639	4.9	1.6
12/31/2002	14	1,309	51,013,420	38,971	6.4	2.4
12/31/2003	14	1,344	54,363,935	40,449	3.8	1.9
12/31/2004	15	1,369	57,397,946	41,927	3.7	3.3
12/31/2005	15	1,410	60,652,180	43,016	2.6	3.4
12/31/2006	14	1,455	64,982,903	44,662	3.8	2.5
12/31/2007	14	1,479	68,484,220	46,304	3.7	4.1
12/31/2008	14	1,507	72,880,723	48,361	4.4	0.1
12/31/2009	14	1,544	77,374,468	50,113	3.6	2.7
12/31/2010	14	1,562	76,993,476	49,292	(1.6)	1.5
12/31/2011	14	1,558	79,332,711	50,920	3.3	3.0
12/31/2012	14	1,604	83,272,934	51,916	2.0	1.7
12/31/2013	14	1,635	87,087,216	53,264	2.6	1.5
12/31/2014	14	1,632	89,441,845	54,805	2.9	0.8
12/31/2015	14	1,599	87,090,401	54,466	(0.6)	0.7
12/31/2016	14	1,597	88,602,540	55,481	1.9	2.1

* Includes DROP participants, if any.

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LOPFI Covered Groups and Covered Persons
(Excluding Local Funds)
(Continued)

Paid Fire Covered by Social Security	Valuation Groups	Active Members*				Inflation Increase % (CPI)
		Number	Annual Payroll	Average Pay	% Increase	
12/31/1985	2	12	\$ 210,238	\$17,520	7.1 %	3.8 %
12/31/1986	2	14	254,921	18,209	3.9	1.1
12/31/1987	2	16	321,457	20,091	10.3	4.4
12/31/1988	3	19	382,949	20,155	0.3	4.4
12/31/1989	3	17	363,844	21,403	6.2	4.6
12/31/1990	3	22	475,090	21,595	0.9	6.1
12/31/1991	3	23	497,074	21,612	0.1	3.1
12/31/1992	2	23	535,463	23,281	7.7	2.9
12/31/1993	2	24	601,457	25,061	7.6	2.7
12/31/1994	2	22	544,619	24,755	(1.2)	2.7
12/31/1995	2	24	642,998	26,792	8.2	2.5
12/31/1996	2	24	658,401	27,433	2.4	3.3
12/31/1997	2	16	413,344	25,834	(5.8)	1.7
12/31/1998	2	15	427,149	28,477	10.2	1.6
12/31/1999	2	15	443,877	29,592	3.9	2.7
12/31/2000	3	20	550,930	27,547	(6.9)	3.4
12/31/2001	4	34	1,091,894	32,115	16.6	1.6
12/31/2002	5	34	1,236,009	36,353	13.2	2.4
12/31/2003	6	34	1,297,597	38,165	5.0	1.9
12/31/2004	7	58	1,881,084	32,432	(15.0)	3.3
12/31/2005	10	62	2,137,350	34,473	6.3	3.4
12/31/2006	13	71	2,459,152	34,636	0.5	2.5
12/31/2007	19	84	3,224,208	38,383	10.8	4.1
12/31/2008	20	85	3,310,078	38,942	1.5	0.1
12/31/2009	21	90	3,794,410	42,160	8.3	2.7
12/31/2010	23	99	4,092,787	41,341	(1.9)	1.5
12/31/2011	23	104	4,155,015	39,952	(3.4)	3.0
12/31/2012	22	101	4,221,364	41,796	4.6	1.7
12/31/2013	25	102	4,331,413	42,465	1.6	1.5
12/31/2014	25	114	4,689,955	41,140	(3.1)	0.8
12/31/2015	27	124	5,239,454	42,254	2.7	0.7
12/31/2016	28	126	5,375,073	42,659	1.0	2.1

* Includes DROP participants, if any.

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**LOPFI Covered Groups and Covered Persons
(Excluding Local Funds)
(Continued)**

Paid Fire Not Covered by Social Security	Valuation Groups	Active Members*				Inflation Increase % (CPI)
		Number	Annual Payroll	Average Pay	% Increase	
12/31/1985	39	256	\$ 3,838,880	\$14,996	9.2 %	3.8 %
12/31/1986	40	346	5,619,219	16,241	8.3	1.1
12/31/1987	45	439	7,335,514	16,710	2.9	4.4
12/31/1988	47	514	9,377,770	18,245	9.2	4.4
12/31/1989	47	601	11,449,004	19,050	4.4	4.6
12/31/1990	48	661	13,207,386	19,981	4.9	6.1
12/31/1991	48	741	15,470,155	20,877	4.5	3.1
12/31/1992	48	825	18,328,407	22,216	6.4	2.9
12/31/1993	51	912	21,238,851	23,288	4.8	2.7
12/31/1994	54	1,003	24,431,883	24,359	4.6	2.7
12/31/1995	55	1,115	28,317,948	25,397	4.3	2.5
12/31/1996	55	1,216	32,183,785	26,467	4.2	3.3
12/31/1997	58	1,334	37,011,225	27,745	4.8	1.7
12/31/1998	58	1,417	41,048,974	28,969	4.4	1.6
12/31/1999	58	1,549	47,249,417	30,503	5.3	2.7
12/31/2000	60	1,680	52,268,378	31,112	2.0	3.4
12/31/2001	59	1,732	57,430,283	33,158	6.6	1.6
12/31/2002	59	1,821	64,691,073	35,525	7.1	2.4
12/31/2003	59	1,888	70,635,697	37,413	5.3	1.9
12/31/2004	60	1,956	76,826,671	39,277	5.0	3.3
12/31/2005	57	2,029	81,650,944	40,242	2.5	3.4
12/31/2006	59	2,122	88,041,571	41,490	3.1	2.5
12/31/2007	61	2,245	95,882,874	42,710	2.9	4.1
12/31/2008	60	2,202	98,780,987	44,860	5.0	0.1
12/31/2009	61	2,360	108,383,023	45,925	2.4	2.7
12/31/2010	61	2,374	110,404,238	46,506	1.3	1.5
12/31/2011	61	2,415	114,640,275	47,470	2.1	3.0
12/31/2012	60	2,478	118,625,189	47,871	0.8	1.7
12/31/2013	60	2,514	124,879,563	49,674	3.8	1.5
12/31/2014	60	2,548	129,532,480	50,837	2.3	0.8
12/31/2015	61	2,585	134,740,985	52,124	2.5	0.7
12/31/2016	62	2,676	140,445,733	52,483	0.7	2.1

* Includes DROP participants, if any.

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LOPFI Covered Groups and Covered Persons
(Excluding Local Funds)
(Continued)

Total Paid	Valuation Groups	Active Members*				Inflation Increase % (CPI)
		Number	Annual Payroll	Average Pay	% Increase	
12/31/1985	93	700	\$ 10,502,018	\$15,003	9.3 %	3.8 %
12/31/1986	97	919	14,843,296	16,152	7.7	1.1
12/31/1987	108	1,118	18,803,244	16,819	4.1	4.4
12/31/1988	118	1,356	24,370,084	17,972	6.9	4.4
12/31/1989	118	1,501	28,385,618	18,911	5.2	4.6
12/31/1990	127	1,739	34,461,972	19,817	4.8	6.1
12/31/1991	138	2,007	41,583,379	20,719	4.6	3.1
12/31/1992	142	2,224	49,239,623	22,140	6.9	2.9
12/31/1993	156	2,477	56,890,921	22,968	3.7	2.7
12/31/1994	168	2,807	67,309,774	23,979	4.4	2.7
12/31/1995	181	3,194	79,215,838	24,801	3.4	2.5
12/31/1996	188	3,472	90,391,226	26,034	5.0	3.3
12/31/1997	202	3,715	101,864,148	27,420	5.3	1.7
12/31/1998	208	3,998	113,830,550	28,472	3.8	1.6
12/31/1999	215	4,301	128,200,592	29,807	4.7	2.7
12/31/2000	228	4,493	137,294,908	30,558	2.5	3.4
12/31/2001	230	4,573	148,713,511	32,520	6.4	1.6
12/31/2002	236	4,720	163,420,616	34,623	6.5	2.4
12/31/2003	233	4,849	176,054,967	36,307	4.9	1.9
12/31/2004	236	4,966	187,341,513	37,725	3.9	3.3
12/31/2005	236	5,115	197,501,660	38,612	2.4	3.4
12/31/2006	247	5,328	212,949,694	39,968	3.5	2.5
12/31/2007	261	5,603	230,177,530	41,081	2.7	4.1
12/31/2008	258	5,640	241,675,203	42,850	4.3	0.1
12/31/2009	269	5,907	261,726,443	44,308	3.4	2.7
12/31/2010	274	5,949	264,905,380	44,529	0.5	1.5
12/31/2011	275	6,016	272,769,765	45,341	1.8	3.0
12/31/2012	272	6,139	282,170,105	45,964	1.4	1.7
12/31/2013	272	6,245	296,617,371	47,497	3.3	1.5
12/31/2014	276	6,323	307,405,199	48,617	2.4	0.8
12/31/2015	285	6,430	316,897,246	49,284	1.4	0.7
12/31/2016	283	6,551	326,005,293	49,764	1.0	2.1

* Includes DROP participants, if any.

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**LOPFI Covered Groups and Covered Persons
(Excluding Local Funds)
(Continued)**

Volunteer Police	Valuation Groups*	Active Members			Inflation Increase % (CPI)
		Number	Annual Payroll	Average Pay	
12/31/1985	2	2	N/A	N/A	N/A
12/31/1986	2	2			N/A
12/31/1987	3	8			N/A
12/31/1988	3	2			N/A
12/31/1989	4	3			N/A
12/31/1990	1	1			N/A
12/31/1991	2	2			3.1%
12/31/1992	4	5			2.9
12/31/1993	4	5			2.7
12/31/1994	8	10			2.7
12/31/1995	8	9			2.5
12/31/1996	9	10			3.3
12/31/1997	10	14			1.7
12/31/1998	7	8			1.6
12/31/1999	8	10			2.7
12/31/2000	8	9			3.4
12/31/2001	10	16			1.6
12/31/2002	19	49			2.4
12/31/2003	24	55			1.9
12/31/2004	24	55			3.3
12/31/2005	32	70			3.4
12/31/2006	38	91			2.5
12/31/2007	51	118			4.1
12/31/2008	42	123			0.1
12/31/2009	44	139			2.7
12/31/2010	58	174			1.5
12/31/2011	72	230			3.0
12/31/2012	69	224			1.7
12/31/2013	85	293			1.5
12/31/2014	98	335			0.8
12/31/2015	105	366			0.7
12/31/2016	104	396			2.1

* Prior to the 12/31/2007 valuation, valuations were performed for each employer division. Beginning with the 12/31/2007 valuation, the employer divisions are combined into one valuation group.

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**LOPFI Covered Groups and Covered Persons
(Excluding Local Funds)
(Continued)**

Volunteer Fire	Valuation Groups*	Active Members			Inflation Increase % (CPI)
		Number	Annual Payroll	Average Pay	
12/31/1985	166	756	N/A	N/A	N/A
12/31/1986	185	1,020			N/A
12/31/1987	202	1,238			N/A
12/31/1988	207	1,422			N/A
12/31/1989	215	1,623			N/A
12/31/1990	218	1,823			N/A
12/31/1991	226	2,005			3.1
12/31/1992	232	2,167			2.9
12/31/1993	237	2,370			2.7
12/31/1994	239	2,452			2.7
12/31/1995	238	2,684			2.5
12/31/1996	243	2,895			3.3
12/31/1997	248	3,063			1.7
12/31/1998	249	3,175			1.6
12/31/1999	253	3,397			2.7
12/31/2000	254	3,481			3.4
12/31/2001	255	3,585			1.6
12/31/2002	261	3,809			2.4
12/31/2003	266	4,033			1.9
12/31/2004	282	4,351			3.3
12/31/2005	293	4,580			3.4
12/31/2006	303	4,814			2.5
12/31/2007	410	6,502			4.1
12/31/2008	415	6,480			0.1
12/31/2009	424	6,412			2.7
12/31/2010	427	6,560			1.5
12/31/2011	440	6,804			3.0
12/31/2012	442	6,805			1.7
12/31/2013	449	6,847			1.5
12/31/2014	456	7,012			0.8
12/31/2015	461	6,938			0.7
12/31/2016	469	6,995			2.1

* Prior to the 12/31/2007 valuation, valuations were performed for each employer division. Beginning with the 12/31/2007 valuation, the employer divisions are combined into one valuation group.

Continued on next page

**LOPFI Covered Groups and Covered Persons
(Excluding Local Funds)
(Concluded)**

Total Volunteer	Valuation Groups*	Active Members			Inflation Increase % (CPI)
		Number	Annual Payroll	Average Pay	
12/31/1985	168	758	N/A	N/A	N/A
12/31/1986	187	1,022			N/A
12/31/1987	205	1,246			N/A
12/31/1988	210	1,424			N/A
12/31/1989	219	1,626			N/A
12/31/1990	219	1,824			N/A
12/31/1991	228	2,007			3.1
12/31/1992	236	2,172			2.9
12/31/1993	241	2,375			2.7
12/31/1994	247	2,462			2.7
12/31/1995	246	2,693			2.5
12/31/1996	252	2,905			3.3
12/31/1997	258	3,077			1.7
12/31/1998	256	3,183			1.6
12/31/1999	261	3,407			2.7
12/31/2000	262	3,490			3.4
12/31/2001	265	3,601			1.6
12/31/2002	280	3,858			2.4
12/31/2003	290	4,088			1.9
12/31/2004	306	4,406			3.3
12/31/2005	325	4,650			3.4
12/31/2006	341	4,905			2.5
12/31/2007	461	6,620			4.1
12/31/2008	457	6,603			0.1
12/31/2009	468	6,551			2.7
12/31/2010	485	6,734			1.5
12/31/2011	512	7,034			3.0
12/31/2012	511	7,029			1.7
12/31/2013	534	7,140			1.5
12/31/2014	554	7,347			0.8
12/31/2015	566	7,304			0.7
12/31/2016	573	7,391			2.1

* Prior to the 12/31/2007 valuation, valuations were performed for each employer division. Beginning with the 12/31/2007 valuation, the employer divisions are combined into one valuation group.

**LOPFI (Excluding Local Funds)
Paid Service Active Members – December 31, 2016
Attained Age And Years of Service**

Attained Age	Years of Service at Valuation Date							Totals*	
	0-4	5-9	10-14	15-19	20-24	25-29	30 Plus	No.	Annual Payroll
Under 20	5							5	\$ 124,172
20-24	306	16						322	11,102,760
25-29	708	191	52					951	36,740,385
30-34	420	372	198	79				1,069	47,343,842
35-39	230	235	324	175	91			1,055	52,557,043
40-44	109	122	221	334	185	88		1,059	58,215,391
45-49	67	91	99	218	293	169	42	979	56,860,389
50-54	28	26	56	77	162	224	63	636	38,229,755
55-59	27	26	50	49	60	111	37	360	18,979,561
60-64	4	11	11	17	19	20	15	97	4,915,924
65-69	2	3	3	4	2	2		16	858,089
70+	1						1	2	77,982
Totals	1,907	1,093	1,014	953	812	614	158	6,551	\$ 326,005,293

Average Age: 39.3 years

Average Service: 12.5 years

Average Pay: \$49,764

* Includes DROP participants.

As a comparison, 6,430 paid service members participated in LOPFI on December 31, 2015.

**LOPFI (Excluding Local Funds)
 Volunteer Service Active Members – December 31, 2016
 Attained Age And Years of Service**

Attained Age	Years of Service at Valuation Date							Totals
	0-4	5-9	10-14	15-19	20-24	25-29	30 Plus	
Under 20	92							92
20-24	562	61						623
25-29	461	286	74					821
30-34	392	272	224	79				967
35-39	303	224	164	162	73			926
40-44	255	188	156	146	130	60		935
45-49	193	170	155	139	151	117	34	959
50-54	166	122	127	128	137	94	63	837
55-59	111	85	94	97	68	56	53	564
60-64	65	64	50	74	38	24	34	349
65-69	46	33	28	25	15	13	17	177
70+	43	34	22	22	8	4	8	141
Totals	2,689	1,539	1,094	872	620	368	209	7,391

Average Age: 41.5 years

Average Service: 10.4 years

As a comparison, 7,304 volunteer service members participated in LOPFI on December 31, 2015.

LOPFI
Computed Employer Contributions
For Paid Service Members by Valuation Groups
December 31, 2016

Group	Number of Active Members	Number of Valuation Groups with Indicated Computed Employer Contributions Expressed as Percents of Active Member Payroll									Totals
		Under 9.00%	9.00% -9.99%	10.00% -10.99%	11.00% -11.99%	12.00% -12.99%	13.00% -13.99%	14.00% -14.99%	15.00% -15.99%	16.00% & Above	
Paid Police											
W/SS	2,152	-	1	-	-	-	2	1	2	173	179
W/O SS	1,597	-	-	-	-	-	-	2	1	11	14
Paid Fire											
W/SS	126	-	-	-	-	-	-	-	-	28	28
W/O SS	2,676	-	-	-	-	-	-	-	2	60	62
December 31, 2016	6,551	0	1	0	0	0	2	3	5	272	283
December 31, 2015 *	6,430	1	0	0	1	2	3	5	7	266	285
December 31, 2014	6,323	1	0	1	2	3	5	6	11	247	276
December 31, 2013	6,245	1	0	2	3	5	6	11	6	238	272
December 31, 2012 *#	6,139	1	2	3	6	6	11	7	16	220	272
December 31, 2011 @	6,016	3	3	6	6	12	6	17	19	203	275
December 31, 2010	5,949	7	6	6	13	6	17	18	27	174	274
December 31, 2009	5,907	8	8	8	5	11	20	17	33	159	269
December 31, 2008 *#	5,640	13	7	4	12	17	17	27	26	135	258
December 31, 2007	5,603	16	7	3	12	16	17	31	23	136	261
December 31, 2006	5,328	13	6	6	7	23	17	30	21	124	247
December 31, 2005	5,115	10	9	6	15	19	14	26	22	115	236
December 31, 2004 #	4,966	13	5	11	14	15	19	22	29	108	236
December 31, 2003 *	4,849	44	10	19	20	31	27	24	13	45	233
December 31, 2002 #	4,720	47	15	15	16	26	29	21	21	46	236
December 31, 2001	4,573	116	10	31	13	14	17	11	4	14	230
December 31, 2000 *#	4,493	81	19	19	15	26	11	14	12	31	228
December 31, 1999	4,301	57	22	37	32	29	14	11	5	8	215
December 31, 1998 *#	3,998	56	16	25	44	23	15	13	5	11	208
December 31, 1997	3,715	52	23	45	24	22	10	17	1	8	202
December 31, 1996 *#	3,472	46	16	42	29	20	15	9	6	5	188
December 31, 1995	3,194	23	20	39	43	28	15	7	2	4	181
December 31, 1994	2,807	20	15	39	47	23	11	4	2	7	168
December 31, 1993	2,477	20	30	42	35	14	6	3	4	2	156
December 31, 1992	2,224	21	26	45	26	12	3	5	2	2	142
December 31, 1991 *	2,007	6	18	38	45	15	10	2	1	3	138
December 31, 1990	1,739	2	2	3	5	13	26	16	33	27	127

* After changes in actuarial valuation assumptions.

After legislated benefit changes.

Continued on next page

LOPFI
Computed Employer Contributions
For Volunteer Service Members by Valuation Groups
December 31, 2016

Group	Number of Active Members	Number of Valuation Groups with Indicated Computed Employer Contributions Expressed as Dollars Per Month Per Active Member												Totals	
		Under \$10.00	From \$10.00 to \$14.99	From \$15.00 to \$19.99	From \$20.00 to \$24.99	From \$25.00 to \$29.99	From \$30.00 to \$34.99	From \$35.00 to \$39.99	From \$40.00 to \$44.99	From \$45.00 to \$49.99	From \$50.00 to \$54.99	From \$55.00 to \$59.99	\$60.00 and Over		
Volunteer Police	396	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	104
Volunteer Fire	6,995	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	469
December 31, 2016	7,391	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	573
December 31, 2015 *	7,304	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	566
December 31, 2014	7,347	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	554
December 31, 2013	7,140	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	534
December 31, 2012	7,029	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	511
December 31, 2011	7,034	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	512
December 31, 2010	6,734	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	485
December 31, 2009	6,551	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	468
December 31, 2008 *#	6,603	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	457
December 31, 2007	6,620	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	461
December 31, 2006	4,905	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	341
December 31, 2005	4,650	1	2	13	49	96	65	32	23	23	8	3	10	325	
December 31, 2004	4,406	1	1	13	49	109	62	27	15	14	3	2	10	306	
December 31, 2003 *	4,088	2	5	26	80	95	44	11	7	10	3	3	4	290	
December 31, 2002 #	3,858	10	17	54	103	47	22	8	6	4	1	2	6	280	
December 31, 2001 *	3,601	62	114	55	18	7	3	1	-	2	1	1	1	265	
December 31, 2000 #	3,490	79	81	60	16	12	3	4	1	1	1	3	1	262	
December 31, 1999	3,407	69	110	48	14	6	2	3	3	2	-	1	3	261	

Group	Number of Active Members	Number of Valuation Groups with Indicated Computed Employer Contributions Expressed as Dollars Per Month Per Active Member												Totals
		Under \$4.00	From \$4.00 to \$5.99	From \$6.00 to \$6.99	From \$7.00 to \$7.99	From \$8.00 to \$8.99	From \$9.00 to \$9.99	From \$10.00 to \$10.99	From \$11.00 to \$11.99	From \$12.00 to \$12.99	From \$13.00 to \$13.99	From \$14.00 to \$17.99	\$18.00 and Over	
December 31, 1998 *#	3,183	19	10	6	7	13	10	19	23	20	41	53	35	256
December 31, 1997	3,077	14	11	7	5	8	11	17	33	19	49	53	31	258
December 31, 1996 *#	2,905	10	11	4	10	11	18	20	32	30	36	46	24	252
December 31, 1995	2,693	28	12	17	26	27	36	20	26	18	11	13	12	246
December 31, 1994	2,462	15	13	14	30	42	31	26	22	16	14	14	10	247
December 31, 1993	2,375	13	14	20	47	33	24	35	14	14	12	7	8	241
December 31, 1992	2,172	8	9	15	37	38	38	29	21	16	10	11	4	236
December 31, 1991 *	2,007	5	11	11	27	37	48	29	28	11	9	8	4	228
December 31, 1990	1,824	-	1	1	2	10	22	40	60	40	32	8	4	220

* After changes in actuarial valuation assumptions.

After legislated benefit increases.

**Benefit Program 2 Employers
(Included in Paid Service Schedules)**

Employer	Number of Active Members*	Payroll
Bella Vista Paid Police	28	\$ 1,445,146
Bella Vista Paid Fire	51	2,578,639
Fayetteville Paid Police	124	6,721,961
Fayetteville Paid Fire	121	7,125,553
Hot Springs Paid Police	108	5,423,743
Hot Springs Paid Fire	92	4,016,437
Marion Paid Police	29	1,053,089
Total BP2	553	\$ 28,364,568

* Includes DROP participants, if any.

LOPFI
Development of Funding Value of Retirement System Assets
(Including Assets of Pension and Relief Fund Plans Under LOPFI Administration)

Year Ended December 31:	2012	2013	2014	2015	2016
A. Funding Value Beginning of Year	\$1,070,685,918	\$1,169,357,127	\$1,391,830,575	\$1,554,175,988	\$1,702,593,072
B. Market Value End of Year	1,158,753,904	1,467,975,980	1,610,091,699	1,646,678,312	1,770,838,998
C. Market Value Beginning of Year	1,001,672,848	1,158,753,904	1,467,975,980	1,610,091,699	1,646,678,312
D. Non-Investment Net Cash Flow	42,804,915	99,797,352	37,152,170	37,416,976	28,455,864
E. Investment Income					
E1. Market Total: B - C - D	114,276,141	209,424,724	104,963,549	(830,363)	95,704,822
E1(a). Assumed Rate of Return	8.0%	8.0%	8.0%	8.0%	7.8%
E2. Amount for Immediate Recognition	87,367,070	97,540,464	112,832,533	125,830,748	133,053,628
E3. Amount for Phased-In Recognition E1-E2	26,909,071	111,884,260	(7,868,984)	(126,661,111)	(37,348,806)
F. Phased-In Recognition of Investment Income					
F1. Current Year: 0.20 x E3	5,381,814	22,376,852	(1,573,797)	(25,332,222)	(7,469,761)
F2. First Prior Year	(15,683,289)	5,381,814	22,376,852	(1,573,797)	(25,332,222)
F3. Second Prior Year	1,859,130	(15,683,289)	5,381,814	22,376,852	(1,573,797)
F4. Third Prior Year	11,201,123	1,859,130	(15,683,289)	5,381,814	22,376,852
F5. Fourth Prior Year	(34,259,554)	11,201,125	1,859,130	(15,683,287)	5,381,815
F6. Total Recognized Investment Gain	(31,500,776)	25,135,632	12,360,710	(14,830,640)	(6,617,113)
G. Funding Value End of Year: A + D + E2 + F6	1,169,357,127	1,391,830,575	1,554,175,988	1,702,593,072	1,857,485,451
120% Corridor	1,390,504,685	1,761,571,176	1,932,110,039	1,976,013,974	2,125,006,798
80% Corridor	927,003,123	1,174,380,784	1,288,073,359	1,317,342,650	1,416,671,198
Funding Value End of Year:	1,169,357,127	1,391,830,575	1,554,175,988	1,702,593,072	1,857,485,451
H. Difference between Market & Funding Value	(10,603,223)	76,145,405	55,915,711	(55,914,760)	(86,646,453)
I. Recognized Rate of Return	5.12%	10.06%	8.88%	7.06%	7.36%
J. Market Rate of Return	11.17%	17.33%	7.06%	(0.05%)	5.76%
K. Ratio of Funding Value to Market Value	100.92%	94.81%	96.53%	103.40%	104.89%

LOPFI
Reported Accrued Assets Available for Benefits
December 31, 2016

<u>Group Type</u>	<u>No. #</u>	<u>Employer Accumulation Account</u>	<u>Members' Deposit Account</u>	<u>Retirement Reserve Account &</u>	<u>Total @</u>
Paid Police W/SS	179	109,213,613	14,696,288	-	123,909,901
Paid Police W/O SS	14	203,152,465	81,998,396	-	285,150,861
Paid Fire W/SS	28	5,905,322	1,838,105	-	7,743,427
Paid Fire W/O SS	<u>62</u>	<u>339,080,324</u>	<u>121,582,499</u>	-	<u>460,662,823</u>
Subtotal	283	657,351,724	220,115,288	-	877,467,012
Volunteer Police and Fire	573	35,052,689	6,340	-	35,059,029
Retirants and Beneficiaries	-	-	-	<u>686,205,961</u>	<u>686,205,961</u>
Total	856	692,404,413	220,121,628	686,205,961	1,598,732,002

The Employer Accumulation Account represents employer contributions accumulated for the payment of annuities.

The Members' Deposit Account represents employee contributions for (1) monthly annuities upon future retirements and (2) refunds upon termination if a monthly annuity is not payable.

The Retirement Reserve Account represents employer and employee contributions accumulated for monthly annuities being paid to present retired lives.

Number of employers with active participants as of December 31, 2016. Totals include accounts for employers with no active participants as of December 31, 2016.

@ Does not include assets of \$172,106,996 invested by LOPFI on behalf of Relief and Pension Funds under LOPFI administration.

& Includes DROP Reserve Account.

**LOPFI and Local Plan
Schedule of Funding Progress**

Actuarial Valuation Date	Actuarial Value of Assets (a)	Entry Age Actuarial Liability (AAL) (b)	Unfunded AAL (UAAL) (c) = (b) - (a)	Funded Ratio (d) = (a)/(b)	Annual Covered Payroll (e)	UAAL as a Percentage of Covered Payroll (f) = (c)/(e)
12/31/2000 *	\$ 425,122,202	\$ 416,222,207	\$ (8,899,995)	102%	\$ 142,778,723	-%
12/31/2001 +	\$ 481,431,953	\$ 428,840,581	\$ (52,591,372)	112%	\$ 152,883,342	-%
12/31/2002 *	\$ 515,600,263	\$ 534,533,175	\$ 18,932,912	96%	\$ 163,420,616	12%
12/31/2003 +	\$ 553,057,228	\$ 625,021,624	\$ 71,964,396	88%	\$ 178,850,477	40%
12/31/2004 *	\$ 601,798,909	\$ 754,004,285	\$ 152,205,376	80%	\$ 193,670,943	79%
12/31/2005	\$ 653,546,976	\$ 842,926,984	\$ 189,380,008	78%	\$ 207,890,440	91%
12/31/2006	\$ 724,746,827	\$ 927,816,659	\$ 203,069,832	78%	\$ 222,107,556	91%
12/31/2007	\$ 827,546,002	\$ 1,054,599,720	\$ 227,053,718	78%	\$ 235,337,218	96%
12/31/2008 *+	\$ 788,633,082	\$ 1,200,515,663	\$ 411,882,581	66%	\$ 245,775,341	168%
12/31/2009	\$ 878,958,364	\$ 1,379,093,412	\$ 500,135,048	64%	\$ 265,123,993	189%
12/31/2010	\$ 982,154,992	\$ 1,519,527,855	\$ 537,372,863	65%	\$ 268,424,127	200%
12/31/2011	\$ 1,070,685,918	\$ 1,654,156,087	\$ 583,470,169	65%	\$ 275,850,081	212%
12/31/2012 *+	\$ 1,169,357,127	\$ 1,805,815,641	\$ 636,458,514	65%	\$ 284,595,308	224%
12/31/2013	\$ 1,391,830,575	\$ 2,069,345,139	\$ 677,514,564	67%	\$ 298,805,693	227%
12/31/2014	\$ 1,554,175,988	\$ 2,235,441,597	\$ 681,265,609	70%	\$ 307,760,404	221%
12/31/2015 +	\$ 1,702,593,072	\$ 2,455,768,287	\$ 753,175,215	69%	\$ 317,133,046	237%
12/31/2016	\$ 1,857,485,451	\$ 2,623,115,852	\$ 765,630,401	71%	\$ 326,307,029	235%

* After legislated benefit increases for LOPFI members
+ After changes in actuarial assumptions

LOPFI
Summary of Valuation Assets, Actuarial Accrued Liabilities and Average Contribution Rate
Excluding Pension and Relief Funds Under LOPFI Administration

Paid Participants

Valuation Date	Valuation Groups	Active Members	Actuarial Accrued Liabilities	Actuarial Valuation Assets	Assets/Liabilities*	Average Contribution Rate
12/31/1990	127	1,739	\$ 25,598,294	\$ 26,638,818	104 %	- %
12/31/1991 #	138	2,007	28,374,656	36,516,135	129	-
12/31/1992	142	2,224	37,077,482	47,889,617	129	-
12/31/1993 @	156	2,477	46,556,168	66,541,016	143	10.82
12/31/1994	168	2,807	59,089,005	78,271,672	132	11.46
12/31/1995	181	3,194	72,577,171	97,412,994	134	11.36
12/31/1996 #+	188	3,472	93,046,084	123,339,438	133	10.88
12/31/1997	202	3,715	111,523,686	153,499,754	138	10.55
12/31/1998 #+	208	3,998	147,606,801	189,595,998	128	11.35
12/31/1999	215	4,301	174,627,344	238,203,534	136	10.41
12/31/2000 +	228	4,493	218,238,282	292,881,609	134	11.51
12/31/2001 #	230	4,573	199,231,298	339,296,397	170	7.15
12/31/2002 +	236	4,720	291,184,122	367,122,230	126	10.38
12/31/2003 #	233	4,849	370,735,495	399,726,460	108	11.09
12/31/2004 +	236	4,966	470,078,530	429,104,830	91	14.82
12/31/2005	236	5,115	526,635,441	483,789,282	92	15.04
12/31/2006	247	5,328	603,842,363	555,752,156	92	15.11
12/31/2007	261	5,603	699,800,039	644,631,782	92	15.16
12/31/2008 #+	258	5,640	825,417,767	662,380,764	80	15.30
12/31/2009	269	5,907	946,423,135	622,560,540	66	17.25
12/31/2010	274	5,949	1,012,194,055	664,246,931	66	17.03
12/31/2011 ^	275	6,016	1,077,498,958	698,331,958	65	18.01
12/31/2012 #+	272	6,139	1,144,065,505	741,339,106	65	18.97
12/31/2013	272	6,245	1,234,260,098	830,390,612	67	19.39
12/31/2014	276	6,323	1,309,948,715	911,335,468	70	20.12
12/31/2015 #	285	6,430	1,411,113,518	937,319,676	66	21.04
12/31/2016	283	6,551	1,469,152,456	974,820,813	66	21.90

* If this ratio approximates 100%, it indicates that financial activity is operating within an expected range of reason-ability.

After changes in actuarial valuation assumptions.

@ Valuation assets based on smoothed-market value beginning December 31, 1993 (cost basis prior to this date).

+ After legislated benefit changes and board policy changes

Continued on next page

LOPFI

Summary of Valuation Assets, Actuarial Accrued Liabilities and Average Contribution Rate Excluding Pension and Relief Funds Under LOPFI Administration (Continued)

Volunteer Participants

Valuation Date	Valuation Groups	Active Members	Actuarial Accrued Liabilities	Actuarial Valuation Assets	Assets/Liabilities*	Average Contribution Rate
12/31/1990	219	1,824	\$ 1,242,840	\$ 974,615	78 %	\$ -
12/31/1991 #	228	2,007	1,363,736	1,419,691	104	-
12/31/1992	236	2,172	1,697,104	1,691,725	100	-
12/31/1993 @	241	2,375	2,125,680	2,306,668	109	9.48
12/31/1994	247	2,462	2,604,592	2,712,264	104	10.31
12/31/1995	246	2,693	3,122,936	3,321,253	106	10.32
12/31/1996 #+	252	2,905	4,202,938	4,143,074	99	13.63
12/31/1997	258	3,077	5,079,848	5,049,479	99	14.36
12/31/1998 #+	256	3,183	6,339,040	6,172,383	97	14.71
12/31/1999	261	3,407	7,421,534	7,804,389	105	14.05
12/31/2000 +	262	3,490	8,554,865	9,638,082	113	14.76
12/31/2001 #	265	3,601	8,814,220	10,923,088	124	14.13
12/31/2002 +	280	3,858	14,587,662	11,956,886	82	24.02
12/31/2003 #	290	4,088	19,207,277	13,069,692	68	27.46
12/31/2004	306	4,406	22,136,019	13,673,013	62	30.72
12/31/2005	325	4,650	26,240,543	16,517,560	63	32.30
12/31/2006	341	4,905	30,139,607	18,430,385	61	33.91
12/31/2007	461	6,620	42,720,023	22,236,583	52	39.15
12/31/2008 #	457	6,603	47,019,246	17,508,921	37	46.14
12/31/2009	468	6,551	48,890,402	17,034,083	35	49.15
12/31/2010	485	6,734	52,068,716	19,655,706	38	49.62
12/31/2011	512	7,034	56,421,727	21,564,055	38	51.56
12/31/2012 #	511	7,029	60,215,143	23,703,257	39	53.75
12/31/2013	534	7,140	63,106,093	28,084,402	45	52.68
12/31/2014	554	7,347	65,739,819	32,649,827	50	52.68
12/31/2015 #	566	7,304	68,670,319	33,878,371	49	54.13
12/31/2016	573	7,391	72,092,819	38,164,014	53	55.62

* If this ratio approximates 100%, it indicates that financial activity is operating within an expected range of reason-ability.

After changes in actuarial valuation assumptions.

@ Valuation assets based on smoothed-market value beginning December 31, 1993 (cost basis prior to this date).

+ After legislated benefit changes and board policy changes

Continued on next page

LOPFI

**Summary of Valuation Assets, Actuarial Accrued Liabilities and Average Contribution Rate
Excluding Pension and Relief Funds Under LOPFI Administration (Continued)**

Retirees and Beneficiaries

Valuation Date	Valuation Groups	Active Members	Actuarial Accrued Liabilities	Actuarial Valuation Assets	Assets/Liabilities*
12/31/1990	-	-	\$ 995,966	\$ 966,600	97 %
12/31/1991 #	-	-	1,516,885	1,691,501	112
12/31/1992	-	-	1,864,953	2,477,618	133
12/31/1993	-	-	2,780,124	3,495,960	126
12/31/1994	-	-	3,211,812	3,898,615	121
12/31/1995	-	-	4,481,762	5,331,275	119
12/31/1996 +	-	-	5,828,171	6,714,604	115
12/31/1997	-	-	8,108,160	8,810,636	109
12/31/1998	-	-	10,027,020	10,962,655	109
12/31/1999	-	-	13,364,856	14,462,943	108
12/31/2000	-	-	16,360,731	16,943,763	104
12/31/2001 #	-	-	19,316,724	19,853,584	103
12/31/2002 +	-	-	28,897,704	27,629,725	96
12/31/2003 #	-	-	38,810,117	39,864,734	103
12/31/2004	-	-	48,878,672	48,455,552	99
12/31/2005	-	-	65,530,656	65,115,240	99
12/31/2006	-	-	79,179,485	80,827,514	102
12/31/2007	-	-	95,286,950	100,568,257	106
12/31/2008 #	-	-	122,445,893	122,445,893	100
12/31/2009	-	-	152,859,019	152,859,019	100
12/31/2010	-	-	189,166,801	189,166,801	100
12/31/2011	-	-	245,094,370	245,094,370	100
12/31/2012 #	-	-	308,554,826	308,554,826	100
12/31/2013	-	-	379,284,767	379,284,767	100
12/31/2014	-	-	449,064,235	449,064,235	100
12/31/2015 #	-	-	554,983,611	554,983,611	100
12/31/2016	-	-	664,379,492	664,379,492	100

* If this ratio approximates 100%, it indicates that financial activity is operating within an expected range of reason-ability.

After changes in actuarial valuation assumptions.

@ Valuation assets based on smoothed-market value beginning December 31, 1993 (cost basis prior to this date).

+ After legislated benefit changes and board policy changes

Continued on next page

LOPFI
Summary of Valuation Assets, Actuarial Accrued Liabilities and Average Contribution Rate
Excluding Pension and Relief Funds Under LOPFI Administration (Concluded)

TOTAL PLAN

Valuation Date	Valuation Groups	Active Members	Actuarial Accrued Liabilities	Actuarial Valuation Assets	Assets/ Liabilities*
12/31/1990	346	3,563	\$ 27,837,100	\$ 28,580,033	103 %
12/31/1991 #	366	4,014	31,255,277	39,627,327	127
12/31/1992	378	4,396	40,639,539	52,058,960	128
12/31/1993 @	397	4,852	51,461,972	72,343,644	141
12/31/1994	415	5,269	64,905,409	84,882,551	131
12/31/1995	427	5,887	80,181,869	106,065,522	132
12/31/1996 #+	440	6,377	103,077,193	134,197,116	130
12/31/1997	460	6,792	124,711,694	167,359,869	134
12/31/1998 #+	464	7,181	163,972,861	206,731,036	126
12/31/1999	476	7,708	195,413,734	260,470,866	133
12/31/2000 +	490	7,983	243,153,878	319,463,454	131
12/31/2001 #	495	8,174	227,362,242	370,073,069	163
12/31/2002 +	516	8,578	334,669,488	406,708,841	122
12/31/2003 #	523	8,937	428,752,889	452,660,886	106
12/31/2004 +	542	9,372	541,093,221	491,233,395	91
12/31/2005	561	9,765	618,406,640	565,422,082	91
12/31/2006	588	10,233	713,161,455	655,010,055	92
12/31/2007	722	12,223	837,807,012	767,436,622	92
12/31/2008 #+	715	12,243	994,882,906	802,335,578	81
12/31/2009	737	12,458	1,148,172,556	792,453,642	69
12/31/2010	759	12,683	1,253,429,572	873,069,438	70
12/31/2011	787	13,050	1,379,015,055	964,990,383	70
12/31/2012 #+	783	13,168	1,512,835,474	1,073,597,189	71
12/31/2013	806	13,385	1,676,650,958	1,237,759,781	74
12/31/2014	830	13,670	1,824,752,769	1,393,049,530	76
12/31/2015 #	851	13,734	2,034,767,448	1,526,181,658	75
12/31/2016	856	13,942	2,205,624,767	1,677,364,319	76

* If this ratio approximates 100%, it indicates that financial activity is operating within an expected range of reason-ability.

After changes in actuarial valuation assumptions.

@ Valuation assets based on smoothed-market value beginning December 31, 1993 (cost basis prior to this date).

+ After legislated benefit changes and board policy changes

Short Condition Test Comparative Statement

LOPFI Paid Service

Valuation Date December 31	Actuarial Accrued Liabilities for				Portion of Present Values Covered by Assets		
	Member Contributions (1)	Current Retirees and Beneficiaries (2)	Active and Inactive Members, Employer Financed Portion (3)	Actuarial Value of Assets	(1)	(2)	(3)
2000	\$ 38,648,453	\$ 17,159,916	\$ 179,589,829	\$ 309,386,866	100	100	141
2001	42,169,151	18,706,212	157,062,147	358,552,550	100	100	190
2002 *	52,884,501	28,132,104	238,299,621	394,018,928	100	100	131
2003 +	60,644,400	37,589,290	310,091,095	438,411,941	100	100	110
2004 *	67,066,543	46,771,629	403,011,987	475,622,588	100	100	90
2005 *	78,117,772	62,901,548	448,517,669	546,315,508	100	100	90
2006	87,986,534	76,104,654	515,855,829	633,759,848	100	100	91
2007	95,667,812	90,980,880	675,497,118	740,968,085	100	100	92
2008 +*	107,486,154	116,390,986	717,931,676	778,148,309	100	100	77
2009	126,212,081	142,789,842	820,211,054	765,350,382	100	100	61
2010	142,979,396	176,648,898	869,214,659	840,895,829	100	100	60
2011	159,770,407	229,845,487	917,728,551	928,182,921	100	100	59
2012 +*	176,658,387	290,143,869	967,407,118	1,031,482,975	100	100	58
2013	189,555,199	357,817,076	1,044,704,899	1,188,207,688	100	100	61
2014	202,036,742	424,620,753	1,107,911,973	1,335,956,221	100	100	64
2015 *	211,502,055	526,188,884	1,199,611,463	1,463,508,560	100	100	61
2016	220,115,288	632,757,349	1,249,037,168	1,607,578,162	100	100	60

Local Paid Service

Valuation Date December 31	Actuarial Accrued Liabilities for				Portion of Present Values Covered by Assets		
	Member Contributions (1)	Current Retirees and Beneficiaries (2)	Active and Inactive Members, Employer Financed Portion (3)	Actuarial Value of Assets	(1)	(2)	(3)
2000	\$ 4,163,798	\$ 126,783,114	\$ 54,516,455	\$ 105,186,843	100	80	-
2001	4,682,058	125,820,973	54,734,475	110,983,891	100	84	-
2002 *	5,184,816	135,985,913	59,683,011	108,424,415	100	76	-
2003 +	5,239,318	176,372,120	12,200,655	99,627,902	100	54	-
2004	5,618,009	166,420,994	36,722,211	107,970,936	100	62	-
2005	5,785,163	188,485,578	24,147,182	85,936,612	100	43	-
2006	5,894,420	194,874,926	6,274,855	67,629,449	100	32	-
2007	6,087,324	201,530,961	927,380	58,271,540	100	26	-
2008 +	4,586,196	189,690,459	725,693	(14,784,011)	-	-	-
2009	3,163,233	185,486,259	29,522,904	80,902,787	100	42	-
2010	2,849,033	215,795,003	34,266,295	102,556,180	100	46	-
2011	2,450,310	226,494,886	32,836,591	99,201,212	100	43	-
2012 +	2,123,678	248,990,760	28,111,237	88,851,483	100	35	-
2013	1,647,055	347,697,141	29,055,445	146,413,041	100	42	-
2014	1,734,546	357,077,348	36,767,436	152,308,676	100	42	-
2015 *	1,455,029	371,571,160	32,666,704	167,837,218	100	45	-
2016	1,595,793	372,340,632	27,740,698	171,109,243	100	46	-

LOPFI Volunteer Service

Valuation Date December 31	Actuarial Accrued Liabilities for				Portion of Present Values Covered by Assets		
	Member Contributions (1)	Current Retirees and Beneficiaries (2)	Active and Inactive Members, Employer Financed Portion (3)	Actuarial Value of Assets	(1)	(2)	(3)
2000	\$ -	\$ 495,360	\$ 8,554,865	\$ 10,076,713	-	100	112
2001	-	610,512	8,814,220	11,520,519	-	100	124
2002 *	-	765,612	12,138,097	12,689,913	-	100	98
2003 +	-	1,220,827	19,207,277	14,248,945	-	100	68
2004	-	2,107,043	22,136,019	15,610,807	-	100	61
2005	-	2,629,108	26,240,543	19,106,574	-	100	63
2006	-	3,074,831	30,139,607	21,250,207	-	100	60
2007	-	4,306,070	42,720,023	26,468,537	-	100	52
2008 +	-	6,054,907	47,019,246	24,187,269	-	100	39
2009	-	10,069,177	48,890,402	27,103,260	-	100	35
2010	-	12,517,903	52,068,716	32,173,609	-	100	38
2011	-	15,248,883	56,421,727	36,807,462	-	100	38
2012 +	-	18,410,957	60,215,143	42,114,214	-	100	39
2013	-	21,467,691	63,106,093	49,552,093	-	100	45
2014	-	24,443,482	65,739,819	57,093,309	-	100	50
2015 *	-	28,794,727	68,670,319	62,673,098	-	100	49
2016	-	31,622,143	72,092,819	69,786,157	-	100	53

Local Volunteer Service

Valuation Date December 31	Actuarial Accrued Liabilities for				Portion of Present Values Covered by Assets		
	Member Contributions (1)	Current Retirees and Beneficiaries (2)	Active and Inactive Members, Employer Financed Portion (3)	Actuarial Value of Assets	(1)	(2)	(3)
2000	\$ 1,162	\$ 1,182,504	\$ 392,143	\$ 471,780	100	40	-
2001	834	1,185,540	390,975	374,993	100	32	-
2002 *	-	1,299,876	159,624	467,007	100	36	-
2003 +	998	2,097,817	357,827	768,440	100	37	-
2004	345	3,743,244	406,261	2,594,578	100	69	-
2005	1,966	5,951,007	149,448	2,188,282	100	37	-
2006	2,739	7,312,004	296,260	2,107,323	100	29	-
2007	2,194	8,036,483	208,366	1,837,840	100	23	-
2008 +	2,279	10,495,474	132,593	1,081,515	100	10	-
2009	3,065	12,395,214	350,181	5,601,935	100	45	-
2010	12,433	12,964,889	210,630	6,529,374	100	50	-
2011	16,968	13,046,463	295,814	6,494,323	100	50	-
2012 +	17,401	13,196,487	540,604	6,908,455	100	52	-
2013	17,759	13,940,442	336,339	7,657,753	100	55	-
2014	17,778	14,706,680	385,040	8,817,782	100	60	-
2015 *	4,398	14,991,823	308,725	8,574,196	100	57	-
2016	6,919	15,514,259	292,784	9,011,889	100	58	-

* After legislated benefit changes for LOPFI members
+ After changes in actuarial assumptions

***Derivation of Actuarial Gain (Loss)
Year Ended December 31, 2016
(LOPFI and Local Plans Combined)***

(1)	UAAL* at start of year	\$ 753,175,215
(2)	Employer normal cost from last valuation	34,236,933
(3)	Actual employer contributions	89,923,898
(4)	Interest accrual: (1) x .0775 + [(2)-(3)] x (.0775/2)	56,213,209
(5)	Expected UAAL before changes: (1) + (2) - (3) + (4)	753,701,459
(6)	Change from benefit changes*	341,409
(7)	Change from revised actuarial assumptions	-
(8)	Expected UAAL after changes	754,042,868
(9)	Actual UAAL at end of year	765,630,401
(10)	Gain (loss) (8) - (9)	(11,587,533)
(11)	Gain (loss) as percent of actuarial accrued liabilities at start of year	\$2,455,768,287 (0.5)%

Valuation Date December 31	Actuarial Gain (Loss) as a Percentage of Beginning Accrued Liabilities
2002	(5.2) %
2003	(1.5)
2004	(5.3)
2005	(3.5)
2006	(0.2)
2007	0.3
2008	(12.8)
2009	(2.9)
2010	(0.7)
2011	(1.9)
2012	(1.1)
2013	0.7
2014	(0.1)
2015	(0.3)
2016	(0.5)

**Includes unfunded liability associated with Local Pension Funds added during year.*

Arkansas LOcal Police and Fire Retirement System
Brief Summary as of December 31, 2016 of LOPFI Coverage for
BENEFIT PROGRAM 1 PAID SERVICE
Benefits and Conditions Evaluated and/or Considered
(Section references are to Arkansas Code of 1987, including
amendments from 2017 General Assembly Session)

Voluntary Retirement. Section 24-10-604. A member may retire with an age & service annuity after both (i) completing 5 years (10 years for members hired on or after July 1, 2013) of credited service, and (ii) attaining his normal retirement age. The normal retirement age is age 60 for a member with less than 20 years credited service, age 55 for a member with at least 20 years credited service or any age for a member with 28 or more years of credited service.

Compulsory Retirement. Section 24-10-605. Established by each employer.

Paid Service. Section 24-10-102(13). Covered employment which is half-time employment or more, and for which a minimum dollar amount is paid. For each calendar month in 1981, the minimum is \$500 for the month. For each later calendar year, the \$500 is indexed for inflation (Consumer Price Index). Accordingly, the monthly minimum during 2016 was \$1,367.

Volunteer Service. Section 24-10-102(14). Covered employment which cannot be classified as Paid Service.

Final Average Pay. Section 24-10-102(16)(A). The average of a member's monthly pay during the period of 36 consecutive months of credited Paid Service producing the highest monthly average, which period is contained within the 120 consecutive months of credited Paid Service immediately preceding retirement. Not applicable to Volunteer Service.

Age & Service Annuity. Section 24-10-602. The annuity, payable monthly for life, equals a specified amount multiplied by the member's number of years of credited service. The amount depends upon the conditions related to covered employment:

- A. ***Paid Service Not Covered by Social Security.*** For each year of such service, 2.94% of the member's final average pay.
- B. ***Paid Service Also Covered by Social Security.*** For each year of such service, 1.94% of the member's final average pay. In addition, there is a temporary annuity equal to 1.0% of the member's final average pay for each year of service, payable to normal Social Security retirement age.
- C. At time of retirement, the total of A plus B cannot exceed 100% of final average pay.

Early Annuity. Section 24-10-606. A member may retire with an early annuity after both (i) completing 20 years of credited service, and (ii) attaining age 50 or (iii) after completing 25 years of credited paid service. The early annuity amount, payable monthly for life, is computed in the same manner as an age & service annuity, based upon his service and pay record to time of early retirement, but reduced to reflect the fact that his age when payments begin is younger than his normal retirement age. The amount of the reduction is 1/2 of 1% (.005) for each month his age at early retirement is younger than his normal retirement age (age 55 for members with 25 years of credited paid service).

Vested Termination Annuity. Section 24-10-611. If a member leaves LOPFI-covered employment (i) before attaining his early retirement age, and (ii) after completing 5 years (10 years for members hired on or after July 1, 2013) of credited service, he becomes eligible for a vested termination annuity; provided he lives to his normal retirement age and does not withdraw his accumulated contributions. The vested annuity amount, payable monthly for life from his normal retirement age, is computed in the same manner as an age & service annuity, based upon his service and pay record to time of leaving LOPFI coverage. However, final average pay is increased by one-half of any increase in the inflation index for the period from termination of employment to beginning of annuity payments.

Non-Duty Disability Annuity. Section 24-10-607(a)(1)(A). A member with 5 or more years (10 or more years for members hired on or after July 1, 2013) of credited service who becomes totally and permanently disabled from other than duty-connected causes receives a non-duty disability annuity computed in the same manner as an age & service annuity, based upon his service and pay record to time of disability.

Duty Disability Annuity. Section 24-10-607(c)(1)(A). A member who becomes totally and permanently disabled from duty-connected causes receives a duty disability annuity computed in the same manner as an age & service annuity, based upon his service and pay record to time of disability. The minimum annuity payable is 65% of the member's final average pay.

Non-Duty Death-in-Service. Paid Member. Section 24-10-608(a)(1). Upon the death, from other than duty-connected causes, of a Paid Service member who had completed 5 years (10 years for members hired on or after July 1, 2013) of paid service, his eligible surviving dependents receive the following benefits:

- (a) The surviving spouse receives an annuity equal to the Option B50 annuity (joint and 50% survivor benefit) computed based upon the deceased member's service (and pay) record to time of death. Minimum of 20% of member's final average pay, or \$125 monthly if greater.
- (b) While a spouse benefit is payable, each dependent child under age 18 (age 23 if full time student) receives 10% of member's final average pay, or \$25 monthly if greater. The totals for 4 or more children cannot exceed 30% of final average pay, or \$125 monthly if greater.
- (c) While no spouse benefit is payable, each dependent child under age 18 (age 23 if full time student) receives 20% of member's final average pay, or \$25 monthly if greater. The total for 3 or more children cannot exceed 50% of final average pay, or \$125 monthly if greater.
- (d) If there is neither spouse nor child at time of member's death, each dependent parent receives 20% of final average pay.

Duty Death-in-Service. Section 24-10-608(b)(1). Upon the death of a Paid Service member from duty-connected causes, regardless of length of service, his eligible surviving dependents receive the same benefits as for Non-Duty Death, except that if credited service at time of death is less than 25 years, credited service is increased to 25 years.

Benefit Changes After Retirement. Section 24-10-612. There is an annual redetermination of monthly benefit amount, beginning the July first following 12 months of retirement. The redetermined amount is 3.0% of the monthly benefit from the preceding July.

Member Contributions. Sections 24-10-404 and 24-10-613. Each member contributes 8.5% of his covered pay if his covered employment is resulting in Paid Service credit and is not covered by Social Security. For other covered employment conditions, each member contributes 2.5% of his covered pay. Individual member deposit accounts do not receive interest credit. If a member leaves LOPFI-covered employment before an annuity is payable on his behalf, the member may choose to have his accumulated contributions refunded to him. If he dies, his accumulated contributions are refunded to his designated beneficiary.

Employer Contributions. Section 24-10-405. Each employer contributes the remainder amounts necessary to finance its employees' participation in LOPFI. Contributions to LOPFI are determined based upon level-rate principles, so that contribution rates do not have to increase over decades of time.

DROP (Deferred Retirement Option Plan). Sections 24-10-701 through 24-10-708. Paid service members who have attained age 55 with at least 20 years of service or members with at least 28 years of service may participate. A participant with 28 years of service will receive 75% of his accrued benefit at time of DROP election while in the DROP, payable into the participant's DROP account (which will be credited with 6% interest annually). A participant with less than 28 years of service will receive 72% of his accrued benefit at time of DROP election while in the DROP, payable into the participant's DROP account (which will be credited with 6% interest annually). The duration of participation in the DROP shall not exceed 7 years. When a member has reached year 6 of participation in the DROP, the amount of the accrued benefit at the time of DROP election shall be redetermined. The redetermined amount shall be the amount of the benefit as of the immediately preceding July 1 increased by 3%. The redetermined amount shall be payable only when the member elects to cease employment and receive a service retirement and shall not be added to the plan account. Employer and employee contributions continue and are used to finance System benefits (i.e., they are not deposited to the participant's DROP account). For additional details please refer to Arkansas Code, Title 24, Chapter 10, Subchapter 7.

LOPFI
Illustrations of Normal Benefit Amounts
for Sample Combinations of Service & Pay

Illustration 1
FOR PAID SERVICE WHICH IS NOT COVERED BY
SOCIAL SECURITY

(The Applicable Benefit Program is Years of Paid Service times 2.94% of FAP ⁽¹⁾)

Final Average Pay (FAP) ⁽¹⁾	LOPFI BENEFIT ⁽²⁾	
	\$	% of FAP
<u>32 Years of Service ⁽³⁾</u>		
\$ 1,800	\$ 1,693	94 %
2,200	2,070	94
2,600	2,446	94
3,000	2,822	94
3,400	3,199	94
<u>28 Years of Service ⁽³⁾</u>		
\$ 1,800	\$ 1,482	82 %
2,200	1,811	82
2,600	2,140	82
3,000	2,470	82
3,400	2,799	82
<u>20 Years of Service ⁽³⁾</u>		
\$ 1,800	\$ 1,058	59 %
2,200	1,294	59
2,600	1,529	59
3,000	1,764	59
3,400	1,999	59

(1) "Final Average Pay" means the monthly average of an employee's pays during the period of 36 consecutive months when they were highest, contained within his last 120 months of paid service.

(2) Amounts shown are rounded to the nearest dollar; actual amounts will be calculated to the nearest cent.

(3) With 28 or more years of service the employee is eligible for normal retirement. With 20 or more years of service the employee is eligible for normal retirement at age 55. With fewer than 20 years, the eligibility age is 60.

LOPFI
Illustrations of Normal Benefit Amounts
for Sample Combinations of Service & Pay

Illustration 2 ⁽⁵⁾

FOR PAID SERVICE WHICH IS COVERED BY SOCIAL SECURITY

(The Applicable Benefit Program is Years of Paid Service times: 1.94% of FAP ⁽¹⁾ for life, plus 1.0% of FAP ⁽¹⁾ temporary to full Social Security retirement age)

Final Average Pay (FAP) ⁽¹⁾	LOPFI Benefit ⁽³⁾		Estimated Social Security ⁽²⁾	Estimated Monthly Total		Percent of FAP	
	To SSRA	At SSRA		To SSRA	At SSRA	To SSRA	At SSRA
<u>32 Years of Service ⁽⁴⁾</u>							
\$1,800	\$ 1,693	\$ 1,117	\$ 966	\$ 1,693	\$ 2,083	94 %	116 %
2,200	2,070	1,366	1,076	2,070	2,442	94	111
2,600	2,446	1,614	1,185	2,446	2,799	94	108
3,000	2,822	1,862	1,294	2,822	3,156	94	105
3,400	3,199	2,111	1,404	3,199	3,515	94	103
<u>28 Years of Service ⁽⁴⁾</u>							
\$1,800	\$ 1,482	\$ 978	\$ 966	\$ 1,482	\$ 1,944	82 %	108 %
2,200	1,811	1,195	1,076	1,811	2,271	82	103
2,600	2,140	1,412	1,185	2,140	2,597	82	100
3,000	2,470	1,630	1,294	2,470	2,924	82	97
3,400	2,799	1,847	1,404	2,799	3,251	82	96
<u>20 Years of Service ⁽⁴⁾</u>							
\$1,800	\$ 1,058	\$ 698	\$ 966	\$ 1,058	\$ 1,664	59 %	92 %
2,200	1,294	854	1,076	1,294	1,930	59	88
2,600	1,529	1,009	1,185	1,529	2,194	59	84
3,000	1,764	1,164	1,294	1,764	2,458	59	82
3,400	1,999	1,319	1,404	1,999	2,723	59	80

- (1) "Final Average Pay" means the monthly average of an employee's pays during the period of 36 consecutive months when they were highest, contained within his last 120 months of paid service.
- (2) "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit is based upon an estimated "average indexed monthly earnings" for an employee retiring at normal Social Security Retirement Age (SSRA). It does not include any amounts which might be payable to an eligible spouse or children. Final average pay is assumed to be equal to Average Indexed Monthly Earnings. The results assume no Social Security covered earnings after retirement. Note that a member may draw a reduced Social Security benefit as early as age 62. This is an estimate. Individuals can receive an estimate from the Social Security Administration based on their actual earnings history.
- (3) Amounts shown are rounded to the nearest dollar; actual amounts will be calculated to the nearest cent.
- (4) With 28 or more years of service the employee is eligible for normal retirement. With 20 or more years of service the employee is eligible for normal retirement at age 55. With fewer than 20 years, the eligibility age is 60.
- (5) This illustration shows 2017 Social Security estimates for a participant who retired in 2008 at age 56.

LOPFI
Illustrations of Normal Benefit Amounts
for Sample Combinations of Service & Pay

Illustration 3 ⁽⁵⁾

FOR PAID SERVICE WHICH IS COVERED BY SOCIAL SECURITY

(The Applicable Benefit Program is Years of Paid Service times: 1.94% of FAP ⁽¹⁾ for life, plus 1.0% of FAP ⁽¹⁾ temporary to full Social Security retirement age)

Final Average Pay (FAP) ⁽¹⁾	LOPFI Benefit ⁽³⁾		Estimated Social Security ⁽²⁾	Estimated Monthly Total		Percent of FAP	
	To SSRA	At SSRA		To SSRA	At SSRA	To SSRA	At SSRA
<u>32 Years of Service ⁽⁴⁾</u>							
\$2,400	\$ 2,258	\$ 2,063	\$ 1,517	\$ 2,258	\$ 3,580	94 %	125 %
3,000	2,822	2,577	1,718	2,822	4,295	94	120
3,600	3,387	3,094	1,916	3,387	5,010	94	117
4,200	3,951	3,609	2,117	3,951	5,726	94	114
4,800	4,516	4,125	2,316	4,516	6,441	94	112
<u>28 Years of Service ⁽⁴⁾</u>							
\$2,400	\$ 1,976	\$ 1,805	\$ 1,517	\$ 1,976	\$ 3,322	82 %	116 %
3,000	2,470	2,256	1,718	2,470	3,974	82	111
3,600	2,964	2,708	1,916	2,964	4,624	82	108
4,200	3,457	3,157	2,117	3,457	5,274	82	105
4,800	3,951	3,609	2,316	3,951	5,925	82	103
<u>20 Years of Service ⁽⁴⁾</u>							
\$2,400	\$ 1,411	\$ 1,289	\$ 1,517	\$ 1,411	\$ 2,806	59 %	98 %
3,000	1,764	1,611	1,718	1,764	3,329	59	93
3,600	2,117	1,934	1,916	2,117	3,850	59	90
4,200	2,470	2,256	2,117	2,470	4,373	59	87
4,800	2,822	2,577	2,316	2,822	4,893	59	85

- (1) "Final Average Pay" means the monthly average of an employee's pays during the period of 36 consecutive months when they were highest, contained within his last 120 months of paid service.
- (2) "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit is based upon an estimated "average indexed monthly earnings" for an employee retiring at normal Social Security Retirement Age (SSRA). It does not include any amounts which might be payable to an eligible spouse or children. Final average pay is assumed to be equal to Average Indexed Monthly Earnings. The results assume no Social Security covered earnings after retirement. Note that a member may draw a reduced Social Security benefit as early as age 62. This is an estimate. Individuals can receive an estimate from the Social Security Administration based on their actual earnings history.
- (3) Amounts shown are rounded to the nearest dollar; actual amounts will be calculated to the nearest cent.
- (4) With 28 or more years of service the employee is eligible for normal retirement. With 20 or more years of service the employee is eligible for normal retirement at age 55. With fewer than 20 years, the eligibility age is 60.
- (5) This illustration shows 2028 Social Security estimates for a participant who retires in 2017 at age 56. All future benefits are in future dollars.

Arkansas LOcal Police and Fire Retirement System
Brief Summary as of December 31, 2016 of LOPFI Coverage for
BENEFIT PROGRAM 2 PAID SERVICE
Benefits and Conditions Evaluated and/or Considered
(Section references are to Arkansas Code of 1987, including
amendments from 2017 General Assembly Session)

The provisions for Benefit Program 2 employers are the same as those for Benefit Program 1 employers with the following exception:

Age & Service Annuity. Section 24-10-602. The annuity, payable monthly for life, equals a specified amount multiplied by the member's number of years of credited service. The amount depends upon the conditions related to covered employment:

A. *Paid Service Not Covered by Social Security.*

- **Paid Service Before Adoption of Benefit Program 2.** For each year of such service, 2.94% of the member's final average pay.
- **Paid Service After Adoption of Benefit Program 2.** For each year of such service, 3.28% of the member's final average pay.
- At time of retirement, the total cannot exceed 100% of final average pay.

B. *Paid Service Also Covered by Social Security.*

- **Paid Service Before Adoption of Benefit Program 2.** For each year of such service, 1.94% of the member's final average pay, plus a temporary annuity equal to 1.0% of the member's final average pay for each year of service, payable to normal Social Security retirement age.
- **Paid Service After Adoption of Benefit Program 2.** For each year of such service, 2.94% of the member's final average pay.
- At time of retirement, the total cannot exceed 100% of final average pay.

**Arkansas LOcal Police and Fire Retirement System
Brief Summary as of December 31, 2016 of LOPFI Coverage for
*VOLUNTEER SERVICE***

**Benefits and Conditions Evaluated and/or Considered
(Section references are to Arkansas Code of 1987, including
amendments from 2017 General Assembly Session)**

Voluntary Retirement. Section 24-10-604. A member may retire with an age & service annuity after both (i) completing 5 years (10 years for members hired on or after July 1, 2013) of credited service, and (ii) attaining his normal retirement age. The normal retirement age is age 60 for a member with less than 20 years credited service, age 55 for a member with at least 20 years credited service or any age for a member with 28 or more years of credited service.

Compulsory Retirement. Section 24-10-605. Established by each employer.

Paid Service. Section 24-10-102(13). Covered employment which is half-time employment or more, and for which a minimum dollar amount is paid. For each calendar month in 1981, the minimum is \$500 for the month. For each later calendar year, the \$500 is indexed for inflation (Consumer Price Index). Accordingly, the monthly minimum during 2016 was \$1,367.

Volunteer Service. Section 24-10-102(14). Covered employment which cannot be classified as Paid Service.

Age & Service Annuity. Section 24-10-102(16)(A). The annuity, payable monthly for life, equals a specified amount multiplied by the member's number of years of credited service. The amount depends upon the conditions related to covered employment:

Volunteer Service. For each year of Benefit Program 3 Volunteer Service, \$5.00 monthly, to a maximum of \$200 monthly for all volunteer service. Beginning in 2003, each July 1 these amounts are indexed for inflation by any percentage increase in the inflation index for the period from December 2003 to the December immediately preceding July 1, for members retiring in the next 12 months. Accordingly, the basic benefit factor reflected in the December 31, 2016 valuations was \$6.54 monthly.

For each year of Benefit Program 4 Volunteer Service, \$10.00 monthly, to a maximum benefit of \$400 monthly for all volunteer service. Beginning in 2013, each July 1 these amounts are indexed for inflation by any percentage increase in the inflation index for the period from December 2011 to the December immediately preceding July 1, for members retiring in the next 12 months. Accordingly, the basic benefit factor reflected in the December 31, 2016 valuations was \$10.60 monthly.

Early Annuity. Section 24-10-606. A member may retire with an early annuity after both (i) completing 20 years of credited service, and (ii) attaining age 50. The early annuity amount, payable monthly for life, is computed in the same manner as an age & service annuity, based upon his service record to time of early retirement, but reduced to reflect the fact that his age when payments begin is younger than his normal retirement age. The amount of the reduction is 1/2 of 1% (.005) for each month his age at early retirement is younger than his normal retirement age.

Vested Termination Annuity. Section 24-10-611. If a member leaves LOPFI-covered employment (i) before attaining his early retirement age, and (ii) after completing 5 years (10 years for members hired on or after July 1, 2013) of credited service, he becomes eligible for a vested termination annuity; provided he lives to his normal retirement age (and does not withdraw any accumulated contributions). The vested annuity amount, payable monthly for life from his normal retirement age, is computed in the same manner as an age & service annuity, based upon his service record to time of leaving LOPFI coverage.

Non-Duty Disability Annuity. Section 24-10-607(a)(1)(A). A member with 5 or more years (10 of more years for members hired on or after July 1, 2013) of credited service who becomes totally and permanently disabled from other than duty-connected causes receives a non-duty disability annuity computed in the same manner as an age & service annuity, based upon his service record to time of disability.

Duty Disability Annuity. Section 24-10-607(c)(1)(A). A member who becomes totally and permanently disabled from duty-connected causes receives a duty disability annuity computed in the same manner as an age & service annuity, based upon his service and pay record to time of disability. If the member had less than 25 years of service at time of disability, credited service is increased to 25 years.

Non-Duty Death-in-Service. Volunteer Member. Section 24-10-609. Upon the death, from other than duty-connected causes, of a Volunteer member who had completed 5 years (10 years for members hired on or after July 1, 2013) of volunteer service, or who was eligible for normal retirement, his eligible surviving dependents receive the following benefits:

(a) The surviving spouse receives an annuity equal to the Option B50 annuity (joint and 50% survivor benefit) computed based upon the deceased member's service record to time of death.

(b) Each dependent child under age 18 (age 23 if full time student) receives \$15 monthly. The totals for 3 or more children cannot exceed \$40 monthly.

Duty Death-in-Service. Section 24-10-608(b)(1). Upon the death of a Paid Service member from duty-connected causes, regardless of length of service, his eligible surviving dependents receive the same benefits as for Non-Duty Death, except that if credited service at the time of death is less than 25 years, credited service is increased to 25 years.

Benefit Changes After Retirement. Section 24-10-612. There is an annual redetermination of monthly benefit amount, beginning the July first following 12 months of retirement. The redetermined amount is 3.0% of the monthly benefit from the preceding July.

Member Contributions. For Volunteer Service credit, members do not contribute.

Employer Contributions. Section 24-10-405. Each employer contributes the amounts necessary to finance all employees participation in LOPFI. Contributions to LOPFI are determined based upon level-rate principles, so that contribution rates do not have to increase over decades of time.

**Illustration of Computed Employer Contributions
16.8-Year Closed Amortization Period**

**LOPFI Paid Service
(Based on Projected Future Payroll)**

Year Ended December 31,	Illustrative Payroll	Normal Cost	Payment for Amortization of UAL	Computed Employer Rate	Annual Employer Dollar Contribution
2016	\$ 100,000	9.94%	11.96%	21.90%	\$ 21,900
2017	103,750	9.94%	11.96%	21.90%	22,721
2018	107,641	9.94%	11.96%	21.90%	23,573
2019	111,677	9.94%	11.96%	21.90%	24,457
2020	115,865	9.94%	11.96%	21.90%	25,374
2021	120,210	9.94%	11.96%	21.90%	26,326
2022	124,718	9.94%	11.96%	21.90%	27,313
2023	129,395	9.94%	11.96%	21.90%	28,337
2024	134,247	9.94%	11.96%	21.90%	29,400
2025	139,281	9.94%	11.96%	21.90%	30,503
2026	144,504	9.94%	11.96%	21.90%	31,646
2027	149,923	9.94%	11.96%	21.90%	32,833
2028	155,545	9.94%	11.96%	21.90%	34,064
2029	161,378	9.94%	11.96%	21.90%	35,342
2030	167,430	9.94%	11.96%	21.90%	36,667
2031	173,709	9.94%	11.96%	21.90%	38,042
2032	180,223	9.94%	11.96%	21.90%	39,469
2033	186,981	9.94%	11.96%	21.90%	40,949
2034	193,993	9.94%	11.96%	21.90%	42,484
2035	201,268	9.94%	0.00%	9.94%	20,006
2036	208,815	9.94%	0.00%	9.94%	20,756
2037	216,646	9.94%	0.00%	9.94%	21,535
2038	224,770	9.94%	0.00%	9.94%	22,342
2039	233,199	9.94%	0.00%	9.94%	23,180
2040	241,944	9.94%	0.00%	9.94%	24,049
2041	251,017	9.94%	0.00%	9.94%	24,951
2042	260,430	9.94%	0.00%	9.94%	25,887
2043	270,196	9.94%	0.00%	9.94%	26,857
2044	280,328	9.94%	0.00%	9.94%	27,865

This illustration is not intended to exactly predict future employer contributions but instead is intended to illustrate the general trend of future contributions based upon current benefit structure and assumed future economic and demographic activity. It is unlikely that future contributions will match exactly for any given year those rates shown above.

**Illustration of Computed Employer Contributions
18.5-Year Closed Amortization Period**

**LOPFI Benefit Program 3 Volunteer Service
(Based on Projected Benefit Factors)**

Year Ended December 31,	Basic Benefit Factor@	Illustrative Monthly Active Member Count	Normal Cost	Payment for Amortization of UAL	Computed Employer Rate	Annual Employer Dollar Contribution
2016	\$ 6.54	10	\$ 24.10	\$ 31.52	\$ 55.62	\$ 6,674
2017	6.72	10	24.76	31.52	56.28	6,754
2018	6.90	10	25.44	31.52	56.96	6,835
2019	7.09	10	26.14	31.52	57.66	6,919
2020	7.28	10	26.86	31.52	58.38	7,006
2021	7.48	10	27.60	31.52	59.12	7,094
2022	7.69	10	28.36	31.52	59.88	7,186
2023	7.90	10	29.14	31.52	60.66	7,279
2024	8.12	10	29.94	31.52	61.46	7,375
2025	8.34	10	30.76	31.52	62.28	7,474
2026	8.57	10	31.61	31.52	63.13	7,576
2027	8.81	10	32.48	31.52	64.00	7,680
2028	9.05	10	33.37	31.52	64.89	7,787
2029	9.30	10	34.29	31.52	65.81	7,897
2030	9.56	10	35.23	31.52	66.75	8,010
2031	9.82	10	36.20	31.52	67.72	8,126
2032	10.09	10	37.20	31.52	68.72	8,246
2033	10.37	10	38.22	31.52	69.74	8,369
2034	10.66	10	39.27	31.52	70.79	8,495
2035	10.95	10	40.35	31.52	71.87	8,624
2036	11.25	10	41.46	31.52	72.98	8,758
2037	11.56	10	42.60	0.00	42.60	5,112
2038	11.88	10	43.77	0.00	43.77	5,252
2039	12.21	10	44.97	0.00	44.97	5,396
2040	12.55	10	46.21	0.00	46.21	5,545
2041	12.90	10	47.48	0.00	47.48	5,698
2042	13.25	10	48.79	0.00	48.79	5,855

@ Basic benefit factor - \$5.00 per month for each year of service beginning July 1, 2003. Increased by price inflation on July 1, 2004 and every July 1 thereafter. This factor is \$6.54 effective July 1, 2017. For purposes for this illustration, the factor was assumed to increase by 2.75% a year, compounded.

This illustration is not intended to exactly predict future employer contributions but instead is intended to illustrate the general trend of future contributions based upon current benefit structure and assumed future economic and demographic activity. It is unlikely that future contributions will match exactly for any given year those rates shown above.

Schedule A-1
Single Life Retirement Values
Based on the RP-2000 Combined Projected to 2017 Table
and 7.75% Interest
(First used for December 31, 2012 Valuations)

Sample Attained Ages	Value at Retirement: \$1.00 Monthly for Life		Future Life Expectancy (years)	
	Men	Women	Men	Women
45	\$144.21	\$148.44	35.48	40.05
50	138.33	143.93	30.80	35.29
55	130.68	137.91	26.25	30.61
60	121.14	130.04	21.90	26.04
65	109.70	120.24	17.83	21.70
70	96.21	108.70	14.07	17.68
75	81.16	95.55	10.72	14.02
80	65.31	80.99	7.83	10.76

Sample Attained Ages	Benefit Increasing 2.75% Yearly	Portion of Age 55 Lives Still Alive	Sample Attained Ages
55	\$100	100 %	55
60	115	97	60
65	131	92	65
70	150	84	70
75	172	73	75
80	197	56	80

**Schedule A-2
Probabilities of Disability Retirement**

**Paid Service Members
(First used for December 31, 2012 Valuations)**

Sample Ages	Percent Becoming Disabled within Next Year	
	Non-Duty	Duty
20	0.07 %	0.09 %
25	0.07	0.09
30	0.10	0.11
35	0.13	0.16
40	0.20	0.24
45	0.31	0.37
50	0.52	0.63
55	0.91	1.09
60	1.36	1.63

**Volunteer Service Members
(First used for December 31, 2003 Valuations)**

Sample Ages	Percent Becoming Disabled within Next Year	
	Non-Duty	Duty
20	0.07 %	0.00 %
25	0.07	0.00
30	0.07	0.00
35	0.07	0.00
40	0.18	0.01
45	0.23	0.01
50	0.43	0.02
55	0.79	0.04
60	1.24	0.06

Schedule A-3
Probabilities of Retirement for Members Eligible to Retire
(First used for December 31, 2012 Valuations)

Paid Service Members

Retirement Ages	Percents of Active Members Retiring within Next Year		Years of Service	Percents of Active Members Retiring within Next Year
	Early	Normal		
45-49	3 %			
50-54	3			
55		20 %	28	25 %
56		20	29	15
57		20	30	15
58		20	31	20
59		20	32	35
60		20	33	40
61		20	34	100
62		25		
63		25		
64		25		
65		50		
66		60		
67		70		
68		80		
69		90		
70+		100		

A member was assumed eligible for retirement after attaining age 55 with 20 years of service or age 60 with 5 years of service or any age with 28 or more years of service. A member was assumed to retire with 100% probability at 34 or more years of service credit.

A member was assumed eligible for a reduced benefit after attaining age 50 with 20 or more years of service or any age with 25 or more years of paid service credit.

The probabilities of retirement shown above represent ultimate termination of employment (whether or not the member participates in the DROP).

Schedule A-3
Probabilities of Retirement for Members Eligible to Retire (*Concluded*)
(First used for December 31, 2012 Valuations)

Volunteer Service Members

Retirement Ages	Percents of Active Members Retiring within Next Year	
	Early	Normal
Under 50		20 %
50-54	2 %	20
55-59		15
60-64		15
65-69		20
70-74		30
75+		100

A member was assumed to be eligible for retirement after 28 years of service, attaining age 55 with 20 years of service, or age 60 with 5 years of service.

A member was assumed eligible for a reduced benefit after attaining age 50 with 20 or more years of service.

Schedule A-4
Rates of Separation (Excluding Deaths and Disability)
from Active Employment Before Retirement
(First used for December 31, 2012 Valuations)

Paid Service Members

Sample Ages	Years of Service	% of Active Members Separating within Next Year
ALL	0	18.00 %
	1	16.00
	2	13.00
	3	11.00
	4	10.00
25	5 & Over	8.56
30		7.20
35		5.52
40		4.40
45		3.52
50		2.80
55		0.80
60		0.00

Volunteer Service Members

Sample Ages	Years of Service	% of Active Members Separating within Next Year
ALL	0	23.00 %
	1	21.00
	2	19.00
	3	17.00
	4	15.00
25	5 & Over	8.50
30		8.50
35		8.50
40		8.50
45		8.50
50		8.50
55		8.50
60		8.50

Schedule A-5
Pay Increase Assumptions
for an Individual Paid Service Member
(First used for December 31, 2012 Valuations)

Pay Increase Assumptions for an Individual Member			
Service Years	Merit and Seniority	Base (Economic)	Increase Next Year
1	15.00%	3.75%	18.75%
2	9.00%	3.75%	12.75%
3	4.00%	3.75%	7.75%
4	3.00%	3.75%	6.75%
5	2.00%	3.75%	5.75%
6	1.50%	3.75%	5.25%
7	1.50%	3.75%	5.25%
8	1.50%	3.75%	5.25%
9	1.00%	3.75%	4.75%
10	1.00%	3.75%	4.75%
11	0.50%	3.75%	4.25%
12	0.50%	3.75%	4.25%
13	0.50%	3.75%	4.25%
14	0.50%	3.75%	4.25%
15	0.50%	3.75%	4.25%
16	0.50%	3.75%	4.25%
17	0.50%	3.75%	4.25%
18	0.50%	3.75%	4.25%
19	0.50%	3.75%	4.25%
20+	0.50%	3.75%	4.25%

Investment Return and Inflation

Long-Term Expected Return on Plan Assets

The assumed rate of investment return was adopted by the plan's trustees after considering input from the plan's investment consultant(s) and actuary(s). Additional information about the assumed rate of investment return is included in our actuarial valuation report as of and the 2008-2011 four-year experience study. The assumed rate of investment return falls within a reasonable range of the long-term expected rate of return.

The long-term expected rate of return on pension plan investments was determined using a building-block method in which expected future real rates of return (expected returns, net of pension plan investment expense and inflation) are developed for each major asset class. These real rates of return are combined to produce the long-term expected rate of return by weighting the expected future real rates of return by the target asset allocation percentage and by adding expected inflation. For each major asset class that is included in the pension plan's target asset allocation, these best estimates are summarized in the following table:

Asset Allocation

<u>Asset Class</u>	<u>Target Allocation</u>	<u>Long-Term Expected Real Rate of Return</u>	<u>Allocation-Weighted Long-Term Expected Real Rate of Return</u>
Domestic Fixed Income	30.00%	2.97%	0.89%
International Fixed Income	6.00%	1.50%	0.09%
Domestic Equity	33.00%	5.88%	1.94%
Foreign Equity	7.00%	6.25%	0.44%
Index	11.00%	6.73%	0.74%
Alternative Investments	10.00%	6.13%	0.61%
Cash	3.00%	-0.40%	-0.01%
Total	100.00%		4.70%
Expected Inflation			3.00%
Total Return			7.70%

The figures in the above table were from the 4-year experience study ending December 31, 2011. Gabriel, Roeder, Smith & Company does not provide investment advice.

Investment Return and Inflation (Concluded)

The Trustees of the Social Security system prepare and publish an annual report. Social Security's economists develop a forecast of future CPI-W (for Urban Wage Earners and Clerical Workers). The following table presents their forecasts in the 2016 annual report.

Social Security Trustees' Ultimate CPI-W Assumption for 2019 and later

Low-cost	3.20%
Intermediate	2.60%
High-cost	2.00%

Source: 2016 Social Security Trustees' Report (p. 9)

**Retirants and Beneficiaries* Added to and Removed From Rolls
Comparative Statement**

LOPFI Paid Service

	Added		Removed		End of Year		% Increase in Annual Allowance	Average	
	No.	Annual Allowance	No.	Annual Allowance	No.	Annual Allowance		Annual Allowance	Increase in Allowance
December 31, 2011	193	\$ 4,940,414	12	\$ 88,382	1,019	\$ 18,871,152	34.61	\$ 18,519	10.70
Retirement									
Survivor of active	11	63,152	4	28,540	95	577,234	6.38	6,076	(1.46)
Survivor of retired	7	66,463	1	6,838	35	263,095	29.30	7,517	7.14
December 31, 2012	244	4,714,486	14	140,145	1,249	23,445,493	24.24	18,771	1.36
Retirement									
Survivor of active	6	60,138	9	30,482	92	606,890	5.14	6,597	8.57
Survivor of retired	9	107,013	3	44,081	41	326,027	23.92	7,952	5.79
December 31, 2013	266	6,777,411	14	186,507	1,501	30,036,397	28.11	20,011	6.61
Retirement									
Survivor of active	8	67,790	1	4,286	99	670,394	10.46	6,772	2.65
Survivor of retired	8	71,254	2	48,476	47	348,805	6.99	7,421	(6.68)
December 31, 2014	282	7,947,806	28	409,987	1,755	37,574,216	25.10	21,410	6.99
Retirement									
Survivor of active	6	59,054	5	23,887	100	705,561	5.25	7,056	4.19
Survivor of retired	12	223,965	1	2,251	58	570,519	63.56	9,837	32.56
December 31, 2015	311	8,567,006	17	369,053	2,049	45,772,169	21.82	22,339	4.34
Retirement									
Survivor of active	5	52,935	8	38,557	97	719,939	2.04	7,422	5.19
Survivor of retired	13	217,911	4	18,596	67	769,834	34.94	11,490	16.80
December 31, 2016	358	9,667,785	33	412,922	2,374	55,027,032	20.22	23,179	3.76
Retirement									
Survivor of active	1	41,255	3	21,630	95	739,564	2.73	7,785	4.89
Survivor of retired	16	236,963	4	21,003	79	985,794	28.05	12,478	8.60

* Includes DROP members.

Continued on next page

**Retirants and Beneficiaries Added to and Removed From Rolls
Comparative Statement
(Continued)**

LOPFI Volunteer Service

	Added			Removed			End of Year			Average		
	No.	Annual Allowance	No.	Annual Allowance	No.	Annual Allowance	No.	Annual Allowance	% Increase in Annual Allowance	Annual Allowance	% Increase in Annual Allowance	
December 31, 2011	195	\$ 232,470	18	\$ 17,746	1,064	\$ 1,240,040			20.94	\$ 1,165	0.78	
Survivor of active	21	9,896	0	0	96	36,089			37.78	376	7.74	
Survivor of retired	18	16,523	2	771	58	53,405			41.83	921	2.68	
December 31, 2012	215	229,048	24	25,481	1,255	1,443,607			16.42	1,150	(1.29)	
Survivor of active	15	3,735	3	868	108	38,956			7.94	361	(3.99)	
Survivor of retired	14	15,241	4	3,162	68	65,484			22.62	963	4.56	
December 31, 2013	234	274,185	27	30,879	1,462	1,686,913			16.85	1,154	0.35	
Survivor of active	21	7,185	7	2,099	122	44,042			13.06	361	0.00	
Survivor of retired	26	29,008	3	1,758	91	92,734			41.61	1,019	5.82	
December 31, 2014	241	276,068	22	24,459	1,681	1,938,522			14.92	1,153	(0.09)	
Survivor of active	16	4,151	6	2,208	132	45,985			4.41	348	(3.60)	
Survivor of retired	18	18,571	10	13,075	99	98,230			5.93	992	(2.65)	
December 31, 2015	251	339,418	33	36,715	1,899	2,241,225			15.62	1,180	2.34	
Survivor of active	11	3,182	7	1,574	136	47,593			3.50	350	0.57	
Survivor of retired	22	20,746	5	2,910	116	116,066			18.16	1,001	0.91	
December 31, 2016	218	283,941	42	48,527	2,075	2,476,639			10.50	1,194	1.19	
Survivor of active	22	10,936	6	1,251	152	57,278			20.35	377	7.71	
Survivor of retired	29	35,094	14	14,065	131	137,095			18.12	1,047	4.60	

Continued on next page

**Retirants and Beneficiaries* Added to and Removed From Rolls
Comparative Statement
(Continued)**

Local Paid Service

	Added			Removed			End of Year		% Increase in Annual Allowance	Average	
	No.	Annual Allowance	No.	Annual Allowance	No.	Annual Allowance	Annual Allowance	% Increase in Allowance		Annual Allowance	% Increase in Allowance
December 31, 2011											
Retirement	34	\$ 991,101	21	\$ 321,147	901	\$ 19,487,695			3.56	\$ 21,629	2.07
Survivor of active	3	24,618	2	25,746	24	345,205			(0.33)	14,384	(4.48)
Survivor of retired	15	287,361	12	139,014	243	3,582,379			4.32	14,742	3.03
December 31, 2012											
Retirement	35	1,122,749	25	431,333	911	20,179,111			3.55	22,151	2.41
Survivor of active	0	2,005	1	4,214	23	342,996			(0.64)	14,913	3.68
Survivor of retired	28	631,844	19	210,681	252	4,003,542			11.76	15,887	7.77
December 31, 2013											
Retirement	300	8,003,688	22	403,589	1,189	27,779,210			37.66	23,364	5.48
Survivor of active	3	70,252	4	51,330	22	361,918			5.52	16,451	10.31
Survivor of retired	102	2,151,973	7	76,301	347	6,079,214			51.85	17,519	10.27
December 31, 2014											
Retirement	34	1,037,839	41	795,906	1,182	28,021,143			0.87	23,707	1.47
Survivor of active	0	3,226	0	0	22	365,144			0.89	16,597	0.89
Survivor of retired	27	612,017	18	273,656	356	6,417,575			5.57	18,027	2.90
December 31, 2015											
Retirement	48	1,585,403	39	668,103	1,191	28,938,443			3.27	24,298	2.49
Survivor of active	1	11,069	2	39,490	21	336,723			(7.78)	16,034	(3.39)
Survivor of retired	39	736,035	23	370,013	372	6,783,597			5.70	18,235	1.15
December 31, 2016											
Retirement	28	663,817	42	808,519	1,177	28,793,741			(0.50)	24,464	0.68
Survivor of active	1	8,712	0	0	22	345,435			2.59	15,702	(2.07)
Survivor of retired	28	593,043	23	347,147	377	7,029,493			3.62	18,646	2.25

* Includes DROP members.

Continued on next page

**Retirants and Beneficiaries Added to and Removed From Rolls
Comparative Statement
(Concluded)**

Local Volunteer Service

	Added			Removed			End of Year			Average		
	No.	Annual Allowance	No.	Annual Allowance	No.	Annual Allowance	No.	Annual Allowance	% Increase in Annual Allowance	Annual Allowance	Annual Allowance	% Increase in Allowance
December 31, 2011	21	\$ 37,674	25	\$ 35,673	655	\$ 1,086,448			0.18	\$ 1,659		0.79
Retirement												
Survivor of active	0	217	0	0	14	21,685			1.01	1,549		1.04
Survivor of retired	25	35,876	15	18,322	210	289,833			6.45	1,380		1.40
December 31, 2012	9	24,510	24	38,642	640	1,072,316			(1.30)	1,675		0.96
Retirement												
Survivor of active	0	185	2	2,511	12	19,359			(10.73)	1,613		4.13
Survivor of retired	14	24,689	22	30,267	202	284,255			(1.92)	1,407		1.96
December 31, 2013	49	93,001	20	31,531	669	1,133,786			5.73	1,695		1.19
Retirement												
Survivor of active	3	3,730	1	1,800	14	21,289			10	1,521		(5.70)
Survivor of retired	33	57,346	18	27,045	217	314,556			10.66	1,450		3.06
December 31, 2014	47	88,609	22	32,882	694	1,189,513			4.92	1,714		1.12
Retirement												
Survivor of active	0	232	0	0	14	21,521			1.09	1,537		1.05
Survivor of retired	32	56,045	11	14,792	238	355,809			13.11	1,495		3.10
December 31, 2015	27	50,934	30	46,371	691	1,194,076			0.38	1,728		0.82
Retirement												
Survivor of active	1	1,439	1	1,200	14	21,760			1.11	1,554		1.11
Survivor of retired	27	41,171	19	26,369	246	370,611			4.16	1,507		0.80
December 31, 2016	37	80,525	40	60,439	688	1,214,162			1.68	1,765		2.14
Retirement												
Survivor of active	1	2,526	2	2,340	13	21,946			0.85	1,688		8.62
Survivor of retired	45	76,922	16	22,294	275	425,239			14.74	1,546		2.59

A graphic featuring a grid background with a line chart and a bar chart. The line chart shows two fluctuating lines, one above the other, both generally trending upwards. The bar chart at the bottom shows several bars of varying heights, also generally increasing from left to right. The text "Statistical Section" is overlaid in a large, bold, black font with a slight shadow effect.

Statistical Section

Statistical Section Summary

Retirement

Page 126 reflects Demographic Data for active, inactive vested, retirees and survivors as of December 31, 2016. Annualized benefits payable as of December 31, 2016 by Option Type is shown on page 127.

Schedule of Deductions by Type

Page 128 reflects the last 10 years of Benefits Paid, Refunds to termed contributory members, Administrative Expenses (net of Investment Expenses) and DROP Distributions. Benefits Paid growth is a combination of the growing number of retired LOPFI members as well as the addition of retirees from newly consolidated local plans. Refunds are directly associated with contributory members terminating and withdrawing their member contributions. Page 129 provides a breakdown of benefits paid by type for the last 10 years.

Schedule of Additions by Source

Page 128 reflects the last 10 years of Member Contributions, Employer Contributions, Local Plan Mergers, Military and Prior Service Purchase; and Investment Income (Loss). Investment income includes the Net Increase (Decrease) in Fair Value of Investments. Member and Employer Contributions growth has occurred due to rising active membership and associated wages reported by LOPFI-covered employer groups. Investment Income (Loss) has a direct correlation to the economy and each Money Managers' investment performance.

Schedule of Changes in Net Position

Page 128 reflects the last 10 years of Changes in Net Position, which is the difference between Total Additions and Total Deductions.

Benefit Deductions by Type

Page 129 provides a 10-year history of the dollar amount paid for the various types of retirement.

Schedules of Retirement Payments

Pages 130-140 present schedules of retirement payments showing type of retirement, option selected by each type of department.

Participating Employer Groups

Page 141 shows the Top Ten Participating Employers in the plan.

LOPFI Demographic Data

(Excluding Local Funds)
As of December 31, 2016

Active Paid Members

Number.....	6,551
Average Age.....	39.3 years
Average Length of Service.....	12.5 years
Average Annual Salary.....	\$49,764

Active Volunteer Members

Number.....	7,391
Average Age.....	41.5 years
Average Length of Service.....	10.4 years

Terminated Vested Members / Other

7,132

Total Retirees and Survivors

Number.....	4,906
Average Monthly Benefit.....	\$1,009@

2016 Retirees and Survivors

	<u>Normal</u>		<u>Duty Related Disability</u>
Number	3,974	Number	336
Average Age	61.8 years	Average Age	50.8 years
Average Length of Service	15.0 years	Average Length of Service	10.2 years
Average Monthly Benefit	\$934	Average Monthly Benefit	\$2,611
	<u>Survivors (Death in Service)</u>		<u>Non-Duty Related Disability</u>
Number	247	Number	349
Average Age	40.0 years	Average Age	51.4 years
Average Monthly Benefit	\$269	Average Length of Service	9.3 years
		Average Monthly Benefit	\$850

@ Average monthly benefit is \$1,856 and \$94 for paid service members and volunteer service members, respectively.

LOPFI
Benefit by Type, Last Ten Years

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Type of Benefit										
Age and service benefits:										
Retirees	17,909,240	19,805,489	21,626,643	25,651,097	30,238,832	34,443,325	47,799,528	55,199,884	63,125,113	71,239,156
Survivors	2,570,427	2,736,446	2,971,839	3,465,841	3,616,128	4,108,817	6,200,657	6,588,171	7,044,115	7,542,039
Death in service benefits	421,281	564,159	898,742	936,616	980,215	1,008,201	1,097,643	1,138,211	1,126,015	1,164,223
Disability benefits:										
Retirees - duty	5,059,662	5,859,132	6,453,030	7,293,655	8,075,405	9,051,595	9,924,865	10,391,624	11,603,555	12,463,445
Retirees - non-duty	1,054,652	1,283,033	1,680,756	2,001,873	2,371,096	2,645,607	2,911,913	3,131,886	3,417,245	3,808,973
Survivors	447,447	506,442	299,158	481,592	572,584	570,491	634,652	853,962	995,993	1,035,582
Total benefits	27,462,709	30,754,701	33,930,168	39,830,674	45,854,260	51,828,036	68,569,258	77,303,738	87,312,036	97,253,418
Refunds	1,019,140	995,285	1,027,093	814,866	1,097,813	1,504,764	1,499,210	1,425,245	1,628,853	1,860,721

Note: Benefit amounts shown above are the annualized monthly benefits in effect on December 31 of each year. Actual benefits paid by type are reflected on page 129.

LOPFI
Expenses by Type
Last Ten Calendar Years

Year	Benefits Paid	Member			Total Expenses
		Contribution Refunds	Administrative Expenses	DROP Distributions	
2007	\$25,233,346	\$1,031,045	\$1,519,684	\$2,445,907	\$30,229,982
2008	\$27,671,177	\$995,285	\$1,839,547	\$2,069,403	\$32,575,412
2009	\$30,669,255	\$1,027,093	\$1,948,267	\$3,251,683	\$36,896,298
2010	\$36,586,520	\$814,866	\$1,739,807	\$1,918,136	\$41,059,329
2011	\$41,402,892	\$1,097,813	\$1,696,390	\$2,093,535	\$46,290,630
2012	\$48,234,606	\$1,504,764	\$2,083,484	\$2,451,148	\$54,274,002
2013	\$55,152,120	\$1,499,210	\$2,082,784	\$5,380,916	\$64,115,030
2014	\$70,660,012	\$1,425,245	\$2,554,870	\$6,999,389	\$81,639,516
2015	\$79,109,426	\$1,628,853	\$3,059,933	\$4,937,829	\$88,736,041
2016	\$88,975,265	\$1,860,721	\$3,106,088	\$11,289,357	\$105,231,431

LOPFI
Revenues by Source
Last Ten Calendar Years

Year	Member Contributions	Employer Contributions	Local Plan		Total Income (Loss)
			Merger / Military Purchase	Investment Income (Loss)	
2007	\$10,437,131	\$46,456,241	\$4,272,635	\$64,422,521	\$125,588,528
2008	\$10,371,754	\$52,911,629	\$6,635,472	(\$212,018,946)	(\$142,100,091)
2009	\$14,354,314	\$54,473,529	\$15,619,218	\$123,024,492	\$207,471,553
2010	\$18,621,969	\$58,942,600	\$8,279,405	\$83,227,717	\$169,071,691
2011	\$19,340,191	\$63,814,398	\$5,066,225	\$3,960,803	\$92,181,617
2012	\$19,338,663	\$70,576,887	\$2,329,925	\$119,129,435	\$211,374,910
2013	\$20,169,412	\$76,454,536	\$65,205,449	\$211,487,865	\$373,317,262
2014	\$22,637,069	\$85,943,953	\$7,655,795	\$107,518,419	\$223,755,236
2015	\$21,229,760	\$90,860,443	\$11,002,882	\$2,229,569	\$125,322,654
2016	\$22,247,783	\$98,532,455	\$9,800,970	\$98,810,912	\$229,392,120

LOPFI
Changes in Net Assets
Last Ten Calendar Years

Year	Change in Plan Net Assets
2007	\$ 95,358,546
2008	\$ (174,675,503)
2009	\$ 170,575,255
2010	\$ 128,012,362
2011	\$ 45,890,987
2012	\$ 157,100,908
2013	\$ 309,202,232
2014	\$ 142,115,720
2015	\$ 36,586,613
2016	\$ 124,160,689

For years 1997 and forward, Investment Income (Loss) includes Net Increase (Decrease) in Fair Value of Investments, Interest, Dividends, and other investment income.

LOPFI
Benefit Deductions by Type
Last Ten Calendar Years

Year	Normal Age & Service	Age & Service - Survivor	Disability	Disability - Survivor	Total Benefit Payments
2007	\$16,086,268	\$3,026,261	\$5,637,420	\$483,398	\$25,233,346
2008	\$17,105,377	\$3,243,470	\$6,823,408	\$498,922	\$27,671,177
2009	\$18,842,923	\$3,894,023	\$7,570,781	\$361,528	\$30,669,255
2010	\$22,567,958	\$4,771,760	\$8,808,114	\$438,688	\$36,586,520
2011	\$25,675,743	\$5,111,809	\$10,067,425	\$547,915	\$41,402,892
2012	\$31,066,686	\$5,395,501	\$11,162,781	\$609,638	\$48,234,606
2013	\$36,078,524	\$6,079,754	\$12,343,933	\$649,909	\$55,152,120
2014	\$47,841,486	\$8,676,189	\$13,366,900	\$775,437	\$70,660,012
2015	\$54,776,884	\$9,055,428	\$14,348,172	\$928,942	\$79,109,426
2016	\$61,944,083	\$9,882,470	\$16,045,680	\$1,103,033	\$88,975,265

Paid Police (Excluding Local Plans)

Monthly Benefit	No. of Retirants	Type of Retirement*						Option Selected#			
		1	2	3	4	5	6	Life	Opt. A	Opt. B	Opt. C
\$1-500	441	359	3	-	48	9	22	177	90	84	90
501-1,000	255	176	1	3	37	8	30	109	35	68	43
1,001-1,500	174	126	5	8	17	14	4	84	19	37	34
1,501-2,000	169	91	3	36	19	19	1	86	23	28	32
2,001-2,500	179	81	1	62	12	23	-	102	16	39	22
2,501-3,000	130	65	-	44	9	12	-	64	18	29	19
3,001-3,500	124	55	-	41	5	23	-	91	5	15	13
3,501-4,000	73	37	-	14	4	18	-	40	6	18	9
Over \$4,000	107	71	1	9	1	25	-	73	8	18	8
Total	1,652	1,061	14	217	152	151	57	826	220	336	270

* Type of Retirement

1. Normal retirement for age and service
2. Early retirement for age and service
3. Duty disability retirement
4. Non-Duty disability retirement
5. DROP retirement
6. Survivor payment

- # Option Selected at Retirement
- Normal - normal form of annuity for 5 years certain and life thereafter
 - Opt. A - 75% survivor annuity
 - Opt. B - 50% survivor annuity
 - Opt. C - annuity for 10 years certain and life thereafter

**Paid Fire (Excluding Local Plans)
(Continued)**

Monthly Benefit	No. of Retirees	Type of Retirement*						Option Selected#			
		1	2	3	4	5	6	Life	Opt. A	Opt. B	Opt. C
\$1-500	75	46	-	-	12	4	13	34	10	24	7
501-1,000	99	59	1	-	9	12	18	55	12	22	10
1,001-1,500	125	64	1	6	14	36	4	71	18	20	16
1,501-2,000	124	67	-	15	12	28	2	64	26	25	9
2,001-2,500	127	57	1	27	8	33	1	81	12	22	12
2,501-3,000	99	35	-	36	6	22	-	63	13	15	8
3,001-3,500	94	53	-	18	4	19	-	56	9	20	9
3,501-4,000	54	33	-	14	-	7	-	24	7	18	5
Over \$4,000	99	68	-	2	4	25	-	62	4	20	13
Total	896	482	3	118	69	186	38	510	111	186	89

* Type of Retirement

1. Normal retirement for age and service
2. Early retirement for age and service
3. Duty disability retirement
4. Non-Duty disability retirement
5. DROP retirement
6. Survivor payment

Option Selected at Retirement

- Normal - normal form of annuity for 5 years certain and life thereafter
- Opt. A - 75% survivor annuity
- Opt. B - 50% survivor annuity
- Opt. C - annuity for 10 years certain and life thereafter

Volunteer Police (Excluding Local Plans)
(Continued)

Monthly Benefit	No. of Retirants	Type of Retirement*					Option Selected#			
		1	2	3	4	5	Life	Opt. A	Opt. B	Opt. C
\$1-50	113	100	-	-	9	4	50	18	17	28
51-75	9	9	-	-	-	-	1	3	-	5
76-100	3	3	-	-	-	-	-	1	1	1
101-125	7	7	-	-	-	-	3	2	-	2
126-150	4	4	-	-	-	-	1	1	1	1
151-175	2	2	-	-	-	-	-	1	-	1
176-200	1	1	-	-	-	-	-	1	-	-
201-225	1	1	-	-	-	-	1	-	-	-
Over \$225	-	-	-	-	-	-	-	-	-	-
Total	140	127	-	-	9	4	56	27	19	38

* Type of Retirement

1. Normal retirement for age and service
2. Early retirement for age and service
3. Duty disability retirement
4. Non-Duty disability retirement
5. Survivor payment

Option Selected at Retirement

- Normal - normal form of annuity for 5 years certain and life thereafter
- Opt. A - 75% survivor annuity
- Opt. B - 50% survivor annuity
- Opt. C - annuity for 10 years certain and life thereafter

Volunteer Fire (Excluding Local Plans)
(Continued)

Monthly Benefit	No. of Retirants	Type of Retirement*					Life	Option Selected#		
		1	2	3	4	5		Opt. A	Opt. B	Opt. C
\$1-50	601	427	1	1	64	108	228	83	170	120
51-75	325	273	1	-	21	30	105	56	57	107
76-100	230	203	2	-	16	9	79	53	33	65
101-125	247	227	5	-	14	1	77	73	24	73
126-150	318	309	6	-	3	-	96	67	31	124
151-175	206	204	1	-	1	-	59	62	14	71
176-200	184	184	-	-	-	-	65	27	20	72
201-225	86	86	-	-	-	-	38	4	3	41
Over \$225	21	21	-	-	-	-	5	4	3	9
Total	2,218	1,934	16	1	119	148	752	429	355	682

* Type of Retirement

1. Normal retirement for age and service
2. Early retirement for age and service
3. Duty disability retirement
4. Non-Duty disability retirement
5. Survivor payment

Option Selected at Retirement

- Normal - normal form of annuity for 5 years certain and life thereafter
- Opt. A - 75% survivor annuity
- Opt. B - 50% survivor annuity
- Opt. C - annuity for 10 years certain and life thereafter

Schedule of Retirements by Type of Benefit and Department

LOPFI Paid Police

Retirement Effective Dates January 1, 2007 to December 31, 2016		Service at Retirement						
		0-4#	5-9	10-14	15-19	20-24	25-29	30+
01/01/07 - 12/31/07	Average Monthly Benefit	\$ 485	\$ 831	\$ 1,162	\$ 1,511	\$ 1,498	\$ 1,528	\$ 1,746
	Final Average Pay*	\$ 33,441	\$ 34,135	\$ 37,023	\$ 39,344	\$ 37,483	\$ 36,781	\$ 34,266
	Number of Active Retirees	109	126	90	54	60	16	7
* Final Average Pay for 158 members was not provided. # Includes 6 members whose service was not provided.								
01/01/08 - 12/31/08	Average Monthly Benefit	\$ 474	\$ 859	\$ 1,218	\$ 1,581	\$ 1,639	\$ 1,499	\$ 1,837
	Final Average Pay*	\$ 32,235	\$ 32,524	\$ 36,536	\$ 40,407	\$ 41,602	\$ 42,257	\$ 49,064
	Number of Active Retirees	140	137	100	59	76	18	8
* Final Average Pay for 43 members was not provided. # Includes 10 members whose service was not provided.								
01/01/09 - 12/31/09	Average Monthly Benefit	\$ 488	\$ 941	\$ 1,375	\$ 1,847	\$ 1,882	\$ 2,070	\$ 2,206
	Final Average Pay*	\$ 32,283	\$ 33,848	\$ 36,828	\$ 42,390	\$ 43,187	\$ 47,249	\$ 47,248
	Number of Active Retirees	212	136	98	64	82	17	8
* Final Average Pay for 57 members was not provided. # Includes 20 members whose service was not provided.								
01/01/10 - 12/31/10	Average Monthly Benefit	\$ 478	\$ 950	\$ 1,413	\$ 1,847	\$ 2,114	\$ 2,223	\$ 2,430
	Final Average Pay*	\$ 32,438	\$ 35,396	\$ 38,251	\$ 42,582	\$ 44,648	\$ 47,145	\$ 47,128
	Number of Active Retirees	240	160	109	78	92	23	8
* Final Average Pay for 95 members was not provided. # Includes 91 members whose service was not provided.								
01/01/11 - 12/31/11	Average Monthly Benefit	\$ 482	\$ 1,015	\$ 1,486	\$ 1,928	\$ 2,212	\$ 2,762	\$ 2,436
	Final Average Pay*	\$ 33,210	\$ 36,913	\$ 39,038	\$ 44,496	\$ 46,338	\$ 54,634	\$ 46,761
	Number of Active Retirees	263	182	119	89	107	41	8
* Final Average Pay for 103 members was not provided. # Includes 100 members whose service was not provided.								
01/01/12 - 12/31/12	Average Monthly Benefit	\$ 482	\$ 1,015	\$ 1,449	\$ 1,981	\$ 2,350	\$ 2,933	\$ 2,393
	Final Average Pay*	\$ 32,902	\$ 37,103	\$ 39,452	\$ 45,223	\$ 47,880	\$ 56,643	\$ 47,194
	Number of Active Retirees	304	207	146	108	123	50	7
* Final Average Pay for 125 members was not provided. # Includes 106 members whose service was not provided.								
01/01/13 - 12/31/13	Average Monthly Benefit	\$ 494	\$ 1,023	\$ 1,483	\$ 2,027	\$ 2,397	\$ 3,210	\$ 2,648
	Final Average Pay*	\$ 34,064	\$ 38,056	\$ 41,080	\$ 46,684	\$ 48,336	\$ 60,635	\$ 52,014
	Number of Active Retirees	346	237	167	124	133	82	9
* Final Average Pay for 142 members was not provided. # Includes 117 members whose service was not provided.								
01/01/14 - 12/31/14	Average Monthly Benefit	\$ 518	\$ 1,034	\$ 1,516	\$ 2,102	\$ 2,512	\$ 3,422	\$ 2,706
	Final Average Pay*	\$ 35,213	\$ 38,821	\$ 42,243	\$ 48,478	\$ 50,713	\$ 65,343	\$ 52,488
	Number of Active Retirees	368	255	188	149	154	110	9
* Final Average Pay for 161 members was not provided. # Includes 127 members whose service was not provided.								
01/01/15 - 12/31/15	Average Monthly Benefit	\$ 541	\$ 1,042	\$ 1,609	\$ 2,122	\$ 2,605	\$ 3,597	\$ 2,929
	Final Average Pay*	\$ 36,115	\$ 39,441	\$ 45,483	\$ 49,372	\$ 52,736	\$ 65,597	\$ 57,992
	Number of Active Retirees	426	283	224	164	185	146	12
* Final Average Pay for 179 members was not provided. # Includes 137 members whose service was not provided.								
01/01/16 - 12/31/16	Average Monthly Benefit	\$ 540	\$ 1,073	\$ 1,667	\$ 2,168	\$ 2,708	\$ 3,676	\$ 3,088
	Final Average Pay*	\$ 37,515	\$ 39,959	\$ 47,726	\$ 50,490	\$ 54,517	\$ 67,410	\$ 59,390
	Number of Active Retirees	479	308	275	178	220	178	14
* Final Average Pay for 215 members was not provided. # Includes 147 members whose service was not provided.								

Gabriel Roeder Smith & Company

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Schedule of Retirements by Type of Benefit and Department

(Continued)

LOPFI
Paid Fire

Retirement Effective Dates		Service at Retirement						
		0-4#	5-9	10-14	15-19	20-24	25-29	30+
January 1, 2007 to December 31, 2016								
01/01/07 - 12/31/07	Average Monthly Benefit	\$ 891	\$ 1,579	\$ 1,401	\$ 1,729	\$ 1,221	\$ -	\$ 1,350
	Final Average Pay*	\$ 41,214	\$ 39,597	\$ 40,315	\$ 41,844	\$ 42,065	\$ -	\$ 34,849
	Number of Active Retirees	23	24	41	22	18	-	4
	* Final Average Pay for 47 members was not provided. # Includes 2 members whose service was not provided.							
01/01/08 - 12/31/08	Average Monthly Benefit	\$ 871	\$ 1,464	\$ 1,447	\$ 1,742	\$ 1,477	\$ 2,522	\$ 1,469
	Final Average Pay*	\$ 38,088	\$ 36,763	\$ 38,317	\$ 40,619	\$ 45,494	\$ 56,500	\$ 31,572
	Number of Active Retirees	36	33	44	24	25	4	5
	* Final Average Pay for 12 members was not provided. # Includes 7 members whose service was not provided.							
01/01/09 - 12/31/09	Average Monthly Benefit	\$ 782	\$ 1,513	\$ 1,695	\$ 2,089	\$ 1,920	\$ 3,127	\$ 1,670
	Final Average Pay*	\$ 38,776	\$ 40,569	\$ 38,456	\$ 41,916	\$ 46,016	\$ 57,664	\$ 37,129
	Number of Active Retirees	59	38	39	27	27	7	5
	* Final Average Pay for 23 members was not provided. # Includes 12 members whose service was not provided.							
01/01/10 - 12/31/10	Average Monthly Benefit	\$ 833	\$ 1,529	\$ 1,654	\$ 2,249	\$ 1,983	\$ 2,927	\$ 1,790
	Final Average Pay*	\$ 40,455	\$ 41,349	\$ 38,642	\$ 44,531	\$ 47,090	\$ 56,912	\$ 34,567
	Number of Active Retirees	65	41	46	28	42	17	5
	* Final Average Pay for 40 members was not provided. # Includes 41 members whose service was not provided.							
01/01/11 - 12/31/11	Average Monthly Benefit	\$ 800	\$ 1,509	\$ 1,651	\$ 2,287	\$ 2,166	\$ 3,269	\$ 1,832
	Final Average Pay*	\$ 40,532	\$ 43,674	\$ 42,089	\$ 45,855	\$ 47,735	\$ 59,494	\$ 34,235
	Number of Active Retirees	81	52	61	37	56	47	5
	* Final Average Pay for 47 members was not provided. # Includes 49 members whose service was not provided.							
01/01/12 - 12/31/12	Average Monthly Benefit	\$ 807	\$ 1,339	\$ 1,696	\$ 2,261	\$ 2,266	\$ 3,287	\$ 2,118
	Final Average Pay*	\$ 42,036	\$ 47,251	\$ 43,525	\$ 49,422	\$ 48,163	\$ 58,761	\$ 41,705
	Number of Active Retirees	92	85	71	54	66	62	6
	* Final Average Pay for 72 members was not provided. # Includes 52 members whose service was not provided.							
01/01/13 - 12/31/13	Average Monthly Benefit	\$ 769	\$ 1,376	\$ 1,692	\$ 2,300	\$ 2,349	\$ 3,326	\$ 3,193
	Final Average Pay*	\$ 41,955	\$ 49,217	\$ 46,334	\$ 50,471	\$ 49,392	\$ 59,981	\$ 58,426
	Number of Active Retirees	102	100	89	71	80	96	10
	* Final Average Pay for 88 members was not provided. # Includes 59 members whose service was not provided.							
01/01/14 - 12/31/14	Average Monthly Benefit	\$ 823	\$ 1,392	\$ 1,658	\$ 2,298	\$ 2,433	\$ 3,388	\$ 3,891
	Final Average Pay*	\$ 42,470	\$ 49,034	\$ 49,455	\$ 51,139	\$ 50,982	\$ 60,997	\$ 73,019
	Number of Active Retirees	116	108	114	87	107	132	14
	* Final Average Pay for 111 members was not provided. # Includes 68 members whose service was not provided.							
01/01/15 - 12/31/15	Average Monthly Benefit	\$ 868	\$ 1,448	\$ 1,691	\$ 2,264	\$ 2,475	\$ 3,541	\$ 4,041
	Final Average Pay*	\$ 42,852	\$ 49,598	\$ 51,452	\$ 54,020	\$ 52,292	\$ 62,555	\$ 74,880
	Number of Active Retirees	126	116	136	103	113	162	17
	* Final Average Pay for 109 members was not provided. # Includes 73 members whose service was not provided.							
01/01/16 - 12/31/16	Average Monthly Benefit	\$ 909	\$ 1,466	\$ 1,693	\$ 2,293	\$ 2,600	\$ 3,618	\$ 4,041
	Final Average Pay*	\$ 43,242	\$ 48,514	\$ 53,078	\$ 53,664	\$ 53,194	\$ 63,655	\$ 75,792
	Number of Active Retirees	138	128	165	115	127	202	21
	* Final Average Pay for 138 members was not provided. # Includes 79 members whose service was not provided.							

Gabriel Roeder Smith & Company

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Schedule of Retirements by Type of Benefit and Department

(Continued)

LOPFI
Volunteer Police

Retirement Effective Dates January 1, 2007 to December 31, 2016		Service at Retirement						
		0-4	5-9	10-14	15-19	20-24	25-29	30+
01/01/07 - 12/31/07	Average Monthly Benefit	\$ 8	\$ 34	\$ -	\$ 82	\$ -	\$ 144	\$ -
	Final Average Pay	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Number of Active Retirees	4	5	-	2	-	2	-
01/01/08 - 12/31/08	Average Monthly Benefit	\$ 10	\$ 35	\$ -	\$ 84	\$ -	\$ 148	\$ -
	Final Average Pay	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Number of Active Retirees	5	5	-	2	-	2	-
01/01/09 - 12/31/09	Average Monthly Benefit	\$ 12	\$ 36	\$ -	\$ 89	\$ -	\$ 153	\$ -
	Final Average Pay	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Number of Active Retirees	8	5	-	3	-	2	-
01/01/10 - 12/31/10	Average Monthly Benefit	\$ 12	\$ 38	\$ 71	\$ 103	\$ -	\$ 157	\$ 201
	Final Average Pay	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Number of Active Retirees	13	5	2	2	-	2	1
01/01/11 - 12/31/11	Average Monthly Benefit	\$ 11	\$ 38	\$ 71	\$ 106	\$ -	\$ 162	\$ 207
	Final Average Pay	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Number of Active Retirees	20	9	2	2	-	2	1
		# Includes 1 member whose service was not provided.						
01/01/12 - 12/31/12	Average Monthly Benefit	\$ 10	\$ 36	\$ 74	\$ 109	\$ 122	\$ 167	\$ 213
	Final Average Pay	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Number of Active Retirees	34	15	2	2	1	2	1
		# Includes 2 members whose service was not provided.						
01/01/13 - 12/31/13	Average Monthly Benefit	\$ 10	\$ 39	\$ 76	\$ 109	\$ 123	\$ 172	\$ 220
	Final Average Pay	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Number of Active Retirees	50	18	2	4	2	2	1
		# Includes 3 members whose service was not provided.						
01/01/14 - 12/31/14	Average Monthly Benefit	\$ 10	\$ 40	\$ 76	\$ 111	\$ 135	\$ 177	\$ 173
	Final Average Pay	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Number of Active Retirees	67	21	3	4	3	2	2
		# Includes 9 members whose service was not provided.						
01/01/15 - 12/31/15	Average Monthly Benefit	\$ 11	\$ 42	\$ 74	\$ 113	\$ 139	\$ 182	\$ 119
	Final Average Pay	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Number of Active Retirees	79	24	5	7	4	2	1
		# Includes 13 members whose service was not provided.						
01/01/16 - 12/31/16	Average Monthly Benefit	\$ 12	\$ 44	\$ 71	\$ 116	\$ 142	\$ 188	\$ 123
	Final Average Pay	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Number of Active Retirees	89	31	6	7	4	2	1
		# Includes 14 members whose service was not provided.						

Gabriel Roeder Smith & Company

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Schedule of Retirements by Type of Benefit and Department

(Continued)

LOPFI Volunteer Fire

Retirement Effective Dates January 1, 2007 to December 31, 2016		Service at Retirement						
		0-4#	5-9	10-14	15-19	20-24	25-29	30+
01/01/07 - 12/31/07	Average Monthly Benefit	\$ 19	\$ 36	\$ 56	\$ 78	\$ 102	\$ 132	\$ 148
	Final Average Pay	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Number of Active Retirees	31	78	77	76	103	29	19
	# Includes 5 members whose service was not provided.							
01/01/08 - 12/31/08	Average Monthly Benefit	\$ 21	\$ 37	\$ 60	\$ 82	\$ 106	\$ 139	\$ 166
	Final Average Pay	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Number of Active Retirees	49	92	95	83	135	49	24
	# Includes 20 members whose service was not provided.							
01/01/09 - 12/31/09	Average Monthly Benefit	\$ 34	\$ 42	\$ 65	\$ 93	\$ 114	\$ 147	\$ 173
	Final Average Pay	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Number of Active Retirees	139	93	112	109	191	106	52
	# Includes 46 members whose service was not provided.							
01/01/10 - 12/31/10	Average Monthly Benefit	\$ 36	\$ 42	\$ 66	\$ 95	\$ 116	\$ 151	\$ 177
	Final Average Pay	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Number of Active Retirees	172	128	140	118	227	127	67
	# Includes 121 members whose service was not provided.							
01/01/11 - 12/31/11	Average Monthly Benefit	\$ 38	\$ 43	\$ 68	\$ 98	\$ 119	\$ 155	\$ 182
	Final Average Pay	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Number of Active Retirees	223	166	162	145	252	153	81
	# Includes 155 members whose service was not provided.							
01/01/12 - 12/31/12	Average Monthly Benefit	\$ 36	\$ 44	\$ 70	\$ 100	\$ 122	\$ 159	\$ 187
	Final Average Pay	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Number of Active Retirees	285	198	187	154	284	177	89
	# Includes 177 members whose service was not provided.							
01/01/13 - 12/31/13	Average Monthly Benefit	\$ 38	\$ 45	\$ 72	\$ 103	\$ 126	\$ 162	\$ 192
	Final Average Pay	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Number of Active Retirees	355	232	221	169	311	208	100
	# Includes 213 members whose service was not provided.							
01/01/14 - 12/31/14	Average Monthly Benefit	\$ 36	\$ 46	\$ 74	\$ 106	\$ 129	\$ 166	\$ 197
	Final Average Pay	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Number of Active Retirees	417	264	251	188	349	235	106
	# Includes 230 members whose service was not provided.							
01/01/15 - 12/31/15	Average Monthly Benefit	\$ 36	\$ 47	\$ 76	\$ 109	\$ 132	\$ 170	\$ 202
	Final Average Pay	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Number of Active Retirees	466	301	275	202	392	265	128
	# Includes 248 members whose service was not provided.							
01/01/16 - 12/31/16	Average Monthly Benefit	\$ 37	\$ 48	\$ 77	\$ 111	\$ 136	\$ 174	\$ 207
	Final Average Pay	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Number of Active Retirees	533	337	288	215	417	288	140
	# Includes 279 members whose service was not provided.							

Gabriel Roeder Smith & Company

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Schedule of Retirements by Type of Benefit and Department

(Continued)

**Local Plan
Paid Police**

Retirement Effective Dates January 1, 2007 to December 31, 2016		Service at Retirement						
		0-4#	5-9	10-14	15-19	20-24	25-29	30+
01/01/07 - 12/31/07	Average Monthly Benefit	\$ 942	\$ 1,271	\$ 1,305	\$ 1,564	\$ 1,786	\$ 1,639	\$ 1,321
	Final Average Pay	\$ 34,880	\$ 17,949	\$ 25,647	\$ 34,232	\$ 38,497	\$ 35,540	\$ 40,191
	Number of Active Retirees	87	4	12	18	103	108	117
	* Final Average Pay for 316 members was not provided. # Includes 84 members whose service was not provided.							
01/01/08 - 12/31/08	Average Monthly Benefit	\$ 927	\$ 1,427	\$ 1,293	\$ 1,589	\$ 1,767	\$ 1,715	\$ 1,373
	Final Average Pay	\$ 34,880	\$ 17,949	\$ 25,647	\$ 34,232	\$ 40,382	\$ 41,303	\$ 47,486
	Number of Active Retirees	73	3	11	18	103	111	135
	* Final Average Pay for 293 members was not provided. # Includes 70 members whose service was not provided.							
01/01/09 - 12/31/09	Average Monthly Benefit	\$ 1,065	\$ 1,470	\$ 1,357	\$ 1,705	\$ 1,806	\$ 1,824	\$ 1,558
	Final Average Pay	\$ 31,815	\$ 17,949	\$ 25,216	\$ 35,739	\$ 41,361	\$ 47,748	\$ 45,432
	Number of Active Retirees	154	3	8	12	95	95	95
	* Final Average Pay for 303 members was not provided. # Includes 80 members whose service was not provided.							
01/01/10 - 12/31/10	Average Monthly Benefit	\$ 1,099	\$ 1,434	\$ 1,573	\$ 1,899	\$ 1,775	\$ 1,900	\$ 1,655
	Final Average Pay	\$ 53,479	\$ 17,949	\$ 25,216	\$ 35,739	\$ 41,371	\$ 47,606	\$ 43,606
	Number of Active Retirees	175	7	11	26	127	97	89
	* Final Average Pay for 388 members was not provided. # Includes 175 members whose service was not provided.							
01/01/11 - 12/31/11	Average Monthly Benefit	\$ 1,131	\$ 1,469	\$ 1,527	\$ 1,918	\$ 1,798	\$ 1,942	\$ 1,740
	Final Average Pay	\$ 57,053	\$ 17,949	\$ 25,216	\$ 35,739	\$ 41,396	\$ 57,958	\$ 43,738
	Number of Active Retirees	179	7	10	26	127	98	84
	* Final Average Pay for 386 members was not provided. # Includes 179 members whose service was not provided.							
01/01/12 - 12/31/12	Average Monthly Benefit	\$ 1,345	\$ 1,504	\$ 1,534	\$ 1,940	\$ 1,825	\$ 1,989	\$ 1,804
	Final Average Pay	\$ 83,946	\$ 17,949	\$ 25,216	\$ 35,739	\$ 40,886	\$ 58,349	\$ 45,533
	Number of Active Retirees	214	7	10	26	125	96	84
	* Final Average Pay for 417 members was not provided. # Includes 214 members whose service was not provided.							
01/01/13 - 12/31/13	Average Monthly Benefit	\$ 1,754	\$ 1,541	\$ 1,582	\$ 1,910	\$ 1,850	\$ 2,030	\$ 1,837
	Final Average Pay	\$ 83,946	\$ 17,949	\$ 26,323	\$ 35,739	\$ 40,846	\$ 57,784	\$ 45,431
	Number of Active Retirees	516	7	8	25	122	97	82
	* Final Average Pay for 715 members was not provided. # Includes 516 members whose service was not provided.							
01/01/14 - 12/31/14	Average Monthly Benefit	\$ 1,783	\$ 1,579	\$ 1,595	\$ 1,902	\$ 1,873	\$ 2,063	\$ 1,908
	Final Average Pay	\$ 78,444	\$ 17,949	\$ 26,323	\$ 35,739	\$ 41,538	\$ 57,784	\$ 42,165
	Number of Active Retirees	539	7	7	23	119	96	78
	* Final Average Pay for 712 members was not provided. # Includes 539 members whose service was not provided.							
01/01/15 - 12/31/15	Average Monthly Benefit	\$ 1,841	\$ 1,617	\$ 1,600	\$ 1,926	\$ 1,946	\$ 2,160	\$ 2,019
	Final Average Pay	\$ 66,259	\$ 17,949	\$ 26,323	\$ 35,739	\$ 40,817	\$ 57,726	\$ 43,380
	Number of Active Retirees	564	7	7	23	117	94	70
	* Final Average Pay for 727 members was not provided. # Includes 564 members whose service was not provided.							
01/01/16 - 12/31/16	Average Monthly Benefit	\$ 1,874	\$ 1,679	\$ 1,606	\$ 1,951	\$ 1,964	\$ 2,222	\$ 2,121
	Final Average Pay	\$ 65,055	\$ 17,949	\$ 26,323	\$ 35,739	\$ 40,822	\$ 41,005	\$ 45,416
	Number of Active Retirees	552	6	7	23	118	90	63
	* Final Average Pay for 703 members was not provided. # Includes 552 members whose service was not provided.							

Gabriel Roeder Smith & Company

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Schedule of Retirements by Type of Benefit and Department

(Continued)

**Local Plan
Paid Fire**

Retirement Effective Dates January 1, 2007 to December 31, 2016			Service at Retirement						
			0-4#	5-9	10-14	15-19	20-24	25-29	30+
01/01/07 - 12/31/07	Average Monthly Benefit	\$ 1,218	\$ 3,056	\$ 1,796	\$ 1,534	\$ 1,644	\$ 1,695	\$ 1,690	
	Final Average Pay	\$ 24,272	\$ -	\$ 28,350	\$ 28,122	\$ 34,742	\$ 33,533	\$ 39,582	
	Number of Active Retirees	143	1	2	12	93	115	205	
* Final Average Pay for 293 members was not provided. # Includes 140 members whose service was not provided.									
01/01/08 - 12/31/08	Average Monthly Benefit	\$ 1,423	\$ 3,056	\$ 1,796	\$ 1,535	\$ 1,666	\$ 1,713	\$ 1,685	
	Final Average Pay	\$ 25,727	\$ 39,805	\$ 40,394	\$ 28,122	\$ 34,252	\$ 38,941	\$ 43,016	
	Number of Active Retirees	118	1	2	13	92	130	223	
* Final Average Pay for 266 members was not provided. # Includes 114 members whose service was not provided.									
01/01/09 - 12/31/09	Average Monthly Benefit	\$ 1,442	\$ 3,056	\$ 2,285	\$ 1,616	\$ 1,695	\$ 1,770	\$ 1,899	
	Final Average Pay	\$ 29,800	\$ 43,364	\$ 53,299	\$ 28,122	\$ 34,356	\$ 39,717	\$ 43,633	
	Number of Active Retirees	192	1	1	12	80	119	161	
* Final Average Pay for 259 members was not provided. # Includes 118 members whose service was not provided.									
01/01/10 - 12/31/10	Average Monthly Benefit	\$ 1,511	\$ 3,056	\$ 1,174	\$ 1,614	\$ 1,603	\$ 1,808	\$ 1,962	
	Final Average Pay	\$ 31,565	\$ 38,605	\$ 56,362	\$ 28,122	\$ 34,536	\$ 39,453	\$ 43,792	
	Number of Active Retirees	216	1	3	14	97	123	165	
* Final Average Pay for 340 members was not provided. # Includes 211 members whose service was not provided.									
01/01/11 - 12/31/11	Average Monthly Benefit	\$ 1,528	\$ 3,056	\$ 1,278	\$ 1,637	\$ 1,611	\$ 1,869	\$ 2,047	
	Final Average Pay	\$ 31,833	\$ 38,605	\$ 53,846	\$ 28,122	\$ 34,630	\$ 39,120	\$ 44,768	
	Number of Active Retirees	240	1	3	14	97	120	162	
* Final Average Pay for 356 members was not provided. # Includes 235 members whose service was not provided.									
01/01/12 - 12/31/12	Average Monthly Benefit	\$ 1,555	\$ 3,056	\$ 1,316	\$ 1,662	\$ 1,645	\$ 1,906	\$ 2,106	
	Final Average Pay	\$ 32,949	\$ 38,605	\$ 51,831	\$ 28,122	\$ 35,205	\$ 39,430	\$ 45,236	
	Number of Active Retirees	235	1	3	14	95	121	155	
* Final Average Pay for 348 members was not provided. # Includes 230 members whose service was not provided.									
01/01/13 - 12/31/13	Average Monthly Benefit	\$ 1,730	\$ 3,056	\$ 1,356	\$ 1,687	\$ 1,672	\$ 1,940	\$ 2,187	
	Final Average Pay	\$ 34,420	\$ 38,605	\$ 60,732	\$ 28,122	\$ 35,075	\$ 39,114	\$ 44,957	
	Number of Active Retirees	317	1	3	14	93	119	154	
* Final Average Pay for 426 members was not provided. # Includes 312 members whose service was not provided.									
01/01/14 - 12/31/14	Average Monthly Benefit	\$ 1,741	\$ 3,056	\$ 1,397	\$ 1,712	\$ 1,692	\$ 1,964	\$ 2,278	
	Final Average Pay	\$ 35,636	\$ 38,605	\$ -	\$ 28,122	\$ 34,999	\$ 38,021	\$ 44,586	
	Number of Active Retirees	317	1	3	14	92	117	147	
* Final Average Pay for 420 members was not provided. # Includes 312 members whose service was not provided.									
01/01/15 - 12/31/15	Average Monthly Benefit	\$ 1,718	\$ 3,056	\$ 1,439	\$ 1,739	\$ 1,742	\$ 2,043	\$ 2,287	
	Final Average Pay	\$ 36,012	\$ 38,605	\$ 28,248	\$ 28,122	\$ 35,052	\$ 38,973	\$ 44,586	
	Number of Active Retirees	337	1	3	14	88	119	140	
* Final Average Pay for 441 members was not provided. # Includes 333 members whose service was not provided.									
01/01/16 - 12/31/16	Average Monthly Benefit	\$ 1,704	\$ 3,056	\$ 1,482	\$ 1,766	\$ 1,780	\$ 2,035	\$ 2,309	
	Final Average Pay	\$ 35,607	\$ 38,605	\$ 28,248	\$ 28,122	\$ 35,213	\$ 39,109	\$ 44,929	
	Number of Active Retirees	368	1	3	14	85	113	133	
* Final Average Pay for 460 members was not provided. # Includes 364 members whose service was not provided.									

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Continued on next page

Schedule of Retirements by Type of Benefit and Department

(Concluded)

Local Plan Volunteer Fire

Retirement Effective Dates January 1, 2007 to December 31, 2016		Service at Retirement						
		0-4#	5-9	10-14	15-19	20-24	25-29	30+
01/01/07 - 12/31/07	Average Monthly Benefit	\$ 112	\$ 130	\$ 128	\$ 107	\$ 127	\$ 133	\$ 131
	Final Average Pay	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Number of Active Retirees	125	4	2	11	48	106	228
# Includes 125 members whose service was not provided.								
01/01/08 - 12/31/08	Average Monthly Benefit	\$ 131	\$ 117	\$ 150	\$ 111	\$ 128	\$ 133	\$ 132
	Final Average Pay	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Number of Active Retirees	277	3	1	11	50	118	227
# Includes 273 members whose service was not provided.								
01/01/09 - 12/31/09	Average Monthly Benefit	\$ 126	\$ 117	\$ 150	\$ 111	\$ 130	\$ 136	\$ 140
	Final Average Pay	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Number of Active Retirees	500	3	1	11	46	105	164
# Includes 427 members whose service was not provided.								
01/01/10 - 12/31/10	Average Monthly Benefit	\$ 125	\$ 113	\$ 113	\$ 114	\$ 129	\$ 144	\$ 141
	Final Average Pay	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Number of Active Retirees	436	4	4	18	109	141	161
# Includes 432 members whose service was not provided.								
01/01/11 - 12/31/11	Average Monthly Benefit	\$ 126	\$ 113	\$ 113	\$ 115	\$ 131	\$ 146	\$ 142
	Final Average Pay	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Number of Active Retirees	456	4	4	17	105	139	154
# Includes 452 members whose service was not provided.								
01/01/12 - 12/31/12	Average Monthly Benefit	\$ 129	\$ 113	\$ 113	\$ 116	\$ 133	\$ 146	\$ 144
	Final Average Pay	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Number of Active Retirees	443	4	4	16	101	136	150
# Includes 439 members whose service was not provided.								
01/01/13 - 12/31/13	Average Monthly Benefit	\$ 132	\$ 113	\$ 117	\$ 116	\$ 134	\$ 147	\$ 146
	Final Average Pay	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Number of Active Retirees	498	4	3	16	99	136	144
# Includes 494 members whose service was not provided.								
01/01/14 - 12/31/14	Average Monthly Benefit	\$ 135	\$ 113	\$ 117	\$ 116	\$ 135	\$ 148	\$ 148
	Final Average Pay	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Number of Active Retirees	554	4	3	16	97	135	137
# Includes 550 members whose service was not provided.								
01/01/15 - 12/31/15	Average Monthly Benefit	\$ 135	\$ 113	\$ 117	\$ 117	\$ 139	\$ 150	\$ 151
	Final Average Pay	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Number of Active Retirees	575	4	3	15	96	132	126
# Includes 571 members whose service was not provided.								
01/01/16 - 12/31/16	Average Monthly Benefit	\$ 138	\$ 113	\$ 117	\$ 114	\$ 141	\$ 153	\$ 154
	Final Average Pay	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Number of Active Retirees	606	4	3	14	91	131	127
# Includes 602 members whose service was not provided.								

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LOPFI
Top Ten Participating Employers

	2016		2015		2014		2013		2012		2011		2010		2009		2008		2007	
	No.	% of Covered Employees	No.	% of Covered Employees	No.	% of Covered Employees	No.	% of Covered Employees	No.	% of Covered Employees	No.	% of Covered Employees	No.	% of Covered Employees	No.	% of Covered Employees	No.	% of Covered Employees	No.	% of Covered Employees
Fayetteville Paid Fire	121	1.8%	107	1.7%	108	1.8%	105	1.7%	108	1.8%	105	1.7%	105	1.8%	104	1.8%	108	1.9%	104	1.9%
Fort Smith Paid Fire	165	2.5%	156	2.4%	161	2.5%	156	2.5%	139	2.3%	124	2.1%	119	2.0%	120	2.0%	119	2.1%	119	2.1%
Fort Smith Paid Police	149	2.3%	163	2.5%	164	2.6%	162	2.6%	163	2.7%	162	2.7%	157	2.6%	163	2.8%	159	2.8%	152	2.7%
Jonesboro Paid Police	161	2.5%	154	2.4%	155	2.5%	154	2.5%	145	2.4%	145	2.4%	147	2.5%	143	2.4%	131	2.3%	127	2.3%
Little Rock Paid Fire	412	6.3%	403	6.3%	391	6.2%	395	6.3%	393	6.4%	373	6.2%	360	6.1%	354	6.0%	316	5.6%	324	5.8%
Little Rock Paid Police	516	7.9%	517	8.0%	541	8.6%	539	8.6%	522	8.5%	485	8.1%	495	8.3%	492	8.3%	480	8.5%	476	8.5%
North Little Rock Paid Fire	161	2.5%	141	2.2%	140	2.2%	139	2.2%	139	2.3%	138	2.3%	134	2.3%	134	2.3%	130	2.3%	131	2.3%
North Little Rock Paid Police	174	2.7%	175	2.7%	185	2.9%	188	3.0%	184	3.0%	181	3.0%	181	3.0%	176	3.0%	177	3.1%	181	3.2%
Springdale Paid Fire	115	1.8%	115	1.8%	113	1.8%	109	1.7%	109	1.8%	109	1.8%	109	1.8%	109	1.8%	100	1.8%	109	1.9%
Springdale Paid Police	139	2.1%	140	2.2%	130	2.1%	123	2.0%	122	2.0%	119	2.0%	116	1.9%	117	2.0%	115	2.0%	110	2.0%

Gabriel Roeder Smith & Company



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Please visit our website at www.lopfi-prb.com for meeting dates, agendas, minutes of previous meetings, seminar dates and locations, PensioNews, access to the **Member Portal**, and many other topics.

COMMENTS THAT YOU MAY HAVE

We would love to hear from you. With valuable feedback from our Members and employer groups, we can make your membership more rewarding!