LOPFI



COMPREHENSIVE ANNUAL FINANCIAL REPORT

Fiscal Years Ended
December 31, 2017 and
December 31, 2016



Thirty-Fifth
Comprehensive Annual
Financial Report
Fiscal Years Ended
December 31, 2017 and
December 31, 2016

620 West Third Street, Suite 200 Little Rock, AR 72201 (501) 682-1745 www.lopfi-prb.com

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

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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



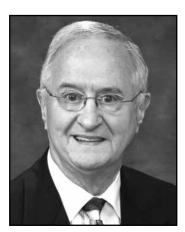
DAMON REED Fire Employee Trustee Conway Term Expires Jan. 1, 2020



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



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, 2016**

Christopher P. Morrill

Executive Director/CEO

LOPFI

ARKANSAS LOCAL POLICE & FIRE RETIREMENT SYSTEM

Letter of Transmittal

620 W. 3rd, Suite 200

Little Rock, Arkansas 72201-2223

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website: www.lopfi-prb.com

June 7, 2018

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

Dear Trustees:

We are pleased to present you the Comprehensive Annual Financial Report (CAFR) of the Arkansas Local Police and Fire Retirement System (LOPFI) for the year ended December 31, 2017. This CAFR celebrates LOPFI's 35th year of providing retirement benefits for the covered police officers and firefighters.

LOPFI was created by the 1981 Arkansas 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. This method recognizes member and employer contributions as additions in the period that member services were performed and deductions are recognized when they are incurred.

Providing an accurate presentation of the retirement system's financial condition is a key responsibility of management. The financial statements have been prepared in accordance with GAAP and are organized 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. It should not be viewed as a replacement to the MD&A. 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 full access to all records and staff, which ensures a thorough examination occurs with each audit. LOPFI received an unmodified opinion from its independent auditor regarding its financial statements for the year ended December 31, 2017.

The system uses 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 reported in an accurate, clear and concise manner.

Funding

The principal purpose of LOPFI is to meet each and every benefit promise through investment earnings and contributions that remain 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, 2017, the funded ratio for the entire portfolio remained at 71% (this includes liabilities for the 204 Local Plans administered by LOPFI). Viewing the LOPFI-only portion of the portfolio i.e. excluding the Local Plans administered by LOPFI, the funded percentage held at 76%, which was the same percentage as the preceding year. In terms of the amortization schedules, the paid service amortization moved from 16.8 years to 17.0 years. Volunteer service, which previously was at 18.5 years, dropped to 16.0 years. Both amortization schedules use a closed period and accommodate the Board's mission 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.

Investment Process and Performance

For the 2017-year, the system realized a 14.48% investment return. This was a net return i.e. after investment fees. This result is even more impressive considering the policy benchmark for the year was 13.94%. The 2017 return also lifted LOPFI's total market value above \$2 billion. At December 31, 2017, the total market value was

Letter of Transmittal (Continued)

\$2,037,993,984. Since LOPFI began operations in 1983 it has, on average, exceeded its assumed rate of return, which is currently 7.5%. The long term cumulative average for the investment return was 9.19% at the end of 2017. These results 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. When a career service member moves to retired status, they will enjoy a respectable monthly retirement benefit through their retired years.

LOPFI's investment program follows the Board's investment rule—Board Rule 20. This rule lays out the responsibilities of the Board and its advisors, and the objectives for the system's investments. As noted earlier, the current assumed rate of return is 7.5%, which is a recent change. After careful deliberation the Board chose to lower the assumed rate from the previous 7.75% rate to 7.5% at their December 2017 meeting. This rate will continue to be evaluated and if further reductions are necessary, the Board stands ready to take that action.

The Board uses a broad diversification of the portfolio through an array of investment styles. Assets are allocated among more than 20 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 has an ongoing monitoring process of the performance of each manager 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, 2016. This was the fifteenth 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 (Concluded)

Acknowledgments

This report was developed through the collective efforts of system staff and advisors. Each person who contributed to this report is truly appreciated. LOPFI makes its CAFR easily accessible via the system's website as this allows interested parties such as the retirement system members, public, legislature, and all participating employer groups unencumbered access to the report. The CAFR's format is structured to be understandable and is intended to be a meaningful resource to those who have an interest in the retirement system.

LOPFI welcomes all active and retired participants and participating employer groups to share your thoughts with us on how we may improve our service to you. Please feel free 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

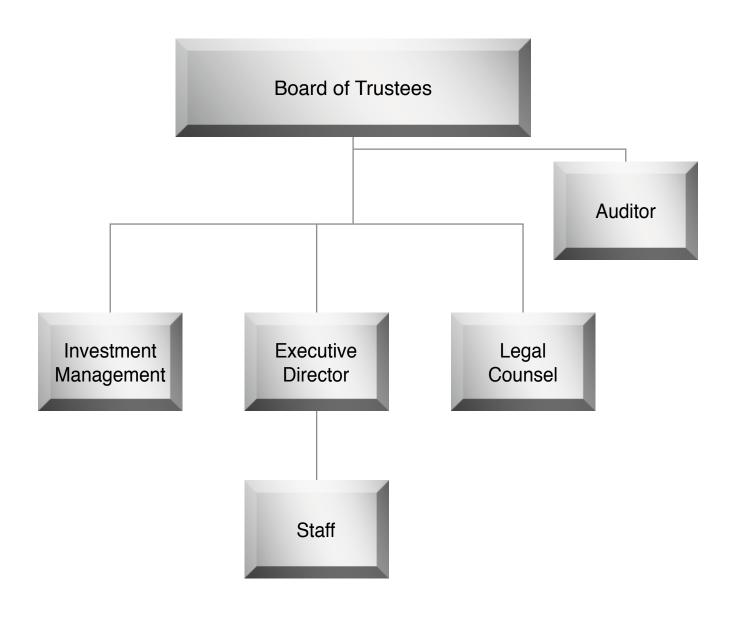
- Aberdeen Asset Management Philadelphia, Pennsylvania
- Alternative Investment Management (AIM) New York, New York
- Barrow, Hanley, Mewhinney & Strauss Dallas, Texas
- Candlewood Credit Value Fund New York, New York
- Chickasaw Capital Management Memphis, Tennessee
- Citigroup Private Equity New York, 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 pages 64-66.

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 ½ 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% x FAP x Years of Service
- (b) Paid service position covered by social security 2.94% x FAP x Years of Service until first eligible for an unreduced social security benefit

THEN

1.94% x FAP x Years of Service when first eligible for unreduced social security benefit

(c) Volunteer

\$6.54 per month x Years of Service (The \$6.54 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 incuding 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 rolled into an investment vehicle, received either as a lump-sum payment equal to the payments into their DROP account, 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, or leave their DROP balance, or a portion of, on account with LOPFI. Any portion of the DROP balance left on account will accrue 2% interest. Members may also elect a combination of the four options.

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, 2017 and 2016, 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.



Board of Trustees Arkansas Local Police and Fire Retirement System Page 2

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, 2017 and 2016, 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.

Other Matters

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.

Other Information

Our audits were conducted for the purpose of forming an opinion on the financial statements that collectively comprise the System's basic financial statements. The schedule of administrative expenses and the schedule of investment expenses as listed in the table of contents, are presented for purposes of additional analysis and are not a required part of the basic financial statements.

The schedule of administrative expenses and the schedule of investment expenses are the responsibility of management and were derived from, and relate directly to, the underlying accounting and other records used to prepare the basic financial statements. Such information has been subjected to the auditing procedures applied in the audit of the basic financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the basic financial statements or to the basic financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the schedule of administrative expenses and the schedule of investment expenses are fairly stated, in all material respects, in relation to the basic financial statements as a whole.

BKD, LLP

Little Rock, Arkansas April 18, 2018

Management's Discussion and Analysis December 31, 2017 and 2016

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, 2017 and 2016. 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 is 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 minus deductions equal 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 Other Supplementary Information 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 2017 and 2016.

Management's Discussion and Analysis December 31, 2017 and 2016

Summary Statements of Net Position Restricted for Pensions

	2017	2016	2015	2017 Percentage Change	2016 Percentage Change
	2017	2010	2015	Change	Change
Cash	\$ 141,095,795	\$ 139,403,804	\$ 144,832,792	1.21%	-3.75%
Total receivables	8,408,530	7,745,199	7,308,563	8.56%	5.97%
Prepaid expenses	8,423,084	7,100,260	7,089,358	18.63%	0.15%
Total investments, at fair value	1,915,918,557	1,615,820,171	1,488,064,365	18.57%	8.59%
Property and equipment, net	2,356,706	2,395,153	730,084	-1.61%	228.07%
Otherassets	88,180	6,329	159,462	1293.27%	-96.03%
Total assets	\$ 2,076,290,852	\$ 1,772,470,916	\$ 1,648,184,624	17.14%	7.54%
Accounts payable and accrued expenses	\$ 1,024,111	\$ 1,214,905	\$ 1,042,925	-15.70%	16.49%
Refunds payable	199,335	64,751	236,825	207.85%	-72.66%
Due to Pension Review Board	448,967	352,259	226,562	27.45%	55.48%
Total liabilities	1,672,413	1,631,915	1,506,312	2.48%	8.34%
Total montees	1,072,113	1,031,713	1,500,512	2.1070	0.5170
Net position restricted for pensions	2,074,618,439	1,770,839,001	1,646,678,312	17.15%	7.54%
Total net position and liabilities	\$ 2,076,290,852	\$ 1,772,470,916	\$ 1,648,184,624	17.14%	7.54%

December 31, 2017

There was a growth in cash as a result of the increased market conditions. The total investments at fair value increase reflects the remarkable performance of the financial markets in 2017 coupled with the increased contributions and the receipt of over \$37.2 million in assets from the Local Plans consolidating with LOPFI. The slight gain in total receivables represents a combination of increased Member and Employer contributions as well as accrued interest and dividends. The net value of the property and equipment decreased slightly as a result of the normal process of depreciating fixed assets.

December 31, 2016

Cash 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.

Management's Discussion and Analysis December 31, 2017 and 2016

Summary Statements of Changes in Net Position Restricted for Pensions

		2017	2016		2015	2017 Percentage Change	2016 Percentage Change
Total contributions	\$	161,833,371	\$ 130,581,208	\$	123.004.633	23.93%	6.16%
Net investment income	<u>Ψ</u>	253,402,809	 98,810,912	Ψ	2,229,569	156.45%	4331.84%
Total additions		415,236,180	 229,392,120		125,234,202	81.02%	83.17%
Benefit payments, including refunds							
and DROP distributions		108,165,851	102,125,343		85,676,107	5.91%	19.20%
Administrative expenses		3,290,891	 3,106,088		2,971,482	5.95%	4.53%
Total deductions		111,456,742	 105,231,431		88,647,589	5.92%	18.71%
Net increase in fiduciary net position	\$	303,779,438	\$ 124,160,689	\$	36,586,613	144.67%	239.36%

December 31, 2017

There was a slight increase to the total contributions, due to the addition of paid member contributions and employers/departments. The net investment income increased as a result of the portfolios generated a return of 14.48%, which resulted in a significant increase in investment income over the previous years. 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 consolidated Local Plans. Refunds of member contributions decreased slightly in 2017 as well as the Deferred Retirement Option Plan (DROP) distributions to both LOPFI and Local Plans administered by LOPFI. There was a slight increase in administrative expenses in 2017 due to the continuing work to enhance computer operations and processes.

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.

Statements of Fiduciary Net Position December 31, 2017 and 2016

	2017			
	Cost-Sharing Multiple- Employer	Agent Multiple- Employer	Total	
Assets	1, 1, 1, 1	1		
Cash	\$ 126,458,067	\$ 14,637,728	\$ 141,095,795	
Receivables				
Contributions	7,514,680	869,837	8,384,517	
Other receivables	21,522	2,491	24,013	
Total receivables	7,536,202	872,328	8,408,530	
Prepaid expenses	7,549,246	873,838	8,423,084	
Investments, at fair value				
Equity securities – U.S. companies	313,180,795	36,251,192	349,431,987	
Equity securities – international companies	44,321,758	5,130,316	49,452,074	
Mutual funds	1,085,010,188	125,591,707	1,210,601,895	
U.S. Treasury securities	73,671,289	8,527,572	82,198,861	
Corporate bonds	26,881,234	3,111,547	29,992,781	
Mortgage-backed securities	11,283,053	1,306,032	12,589,085	
Alternative investments	161,269,428	18,667,200	179,936,628	
Real estate investment trusts	1,537,301	177,945	1,715,246	
Total investments, at fair value	1,717,155,046	198,763,511	1,915,918,557	
Property and equipment, net of				
accumulated depreciation	2,112,214	244,492	2,356,706	
Other assets	79,032	9,148	88,180	
Total assets	1,860,889,807	215,401,045	2,076,290,852	
Liabilities				
Accounts payable and accrued expenses	917,866	106,245	1,024,111	
Refunds payable	178,655	20,680	199,335	
Due to Pension Review Board	402,390	46,577	448,967	
Total liabilities	1,498,911	173,502	1,672,413	
Net Position Restricted for Pensions	\$ 1,859,390,896	\$ 215,227,543	\$ 2,074,618,439	

Statements of Fiduciary Net Position (Continued) December 31, 2017 and 2016

	2016						
		Cost-Sharing Agent Multiple- Employer 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		6,992,446		752,753		7,745,199	
Prepaid expenses		6,410,189		690,071		7,100,260	
Investments, at fair value							
Equity securities – U.S. companies	2	239,486,289		25,781,223		265,267,512	
Equity securities – international companies		56,902,757		6,125,706		63,028,463	
Mutual funds	Ç	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	
Mortgage-backed securities		15,144,946		1,630,387		16,775,333	
Collateralized mortgage obligations		233,405		25,127		258,532	
Alternative investments		152,634,653		16,431,453		169,066,106	
Total investments, at fair value	1,4	158,779,379		157,040,792		1,615,820,171	
Property and equipment, net of							
accumulated depreciation		2,162,369		232,784		2,395,153	
Other assets		5,714		615		6,329	
Total assets	1,6	500,205,312		172,265,604		1,772,470,916	
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		1,473,310		158,605		1,631,915	
Net Position Restricted for Pensions	\$ 1,5	598,732,002	\$	172,106,999	\$	1,770,839,001	

Statements of Changes in Fiduciary Net Position Years Ended December 31, 2017 and 2016

	2017				
		st-Sharing		Agent	
	Multi	ple-Employer	Mult	iple-Employer	Total
Additions					
Contributions					
Member contributions	\$	23,429,576	\$	22,376	\$ 23,451,952
Employer contributions		77,416,248		26,696,204	104,112,452
Local plan administrative mergers and paid military time		54,467		34,214,500	 34,268,967
Total contributions		100,900,291		60,933,080	 161,833,371
Investment Income (Loss)					
Net appreciation in fair value of investments		208,018,394		23,972,609	231,991,003
Interest, dividends and other income		24,445,072		2,817,117	27,262,189
Less investment expenses		(5,245,838)		(604,545)	 (5,850,383)
Net investment income		227,217,628		26,185,181	 253,402,809
Total additions		328,117,919		87,118,261	 415,236,180
Deductions					
Benefit payments, including refunds and DROP distributions		64,503,839		43,662,012	108,165,851
Administrative expenses		2,955,186		335,705	 3,290,891
Total deductions		67,459,025		43,997,717	 111,456,742
Net Increase in Net Position Restricted for Pensions		260,658,894		43,120,544	303,779,438
Net Position Restricted for Pensions, Beginning of Year		1,598,732,002		172,106,999	 1,770,839,001
Net Position Restricted for Pensions, End of Year	\$	1,859,390,896	\$	215,227,543	\$ 2,074,618,439

Statements of Changes in Fiduciary Net Position (Continued) Years Ended December 31, 2017 and 2016

			2016	
	ost-Sharing iple-Employer	Mult	Agent tiple-Employer	Total
Additions	1 . 1 . 2 .			
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	 97,153,174		33,428,034	 130,581,208
Investment Income				
Net appreciation 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	 (4,383,242)		(505,593)	 (4,888,835)
Net investment income	 88,592,090		10,218,822	 98,810,912
Total additions	 185,745,264		43,646,856	 229,392,120
Deductions				
Benefit payments, including refunds and DROP distributions	58,298,612		43,826,731	102,125,343
Administrative expenses	 2,665,399		440,689	 3,106,088
Total deductions	 60,964,011		44,267,420	 105,231,431
Net Increase (Decrease) in Net Position Restricted for Pensions	124,781,253		(620,564)	124,160,689
Net Position Restricted for Pensions, Beginning of Year	 1,473,950,749		172,727,563	1,646,678,312
Net Position Restricted for Pensions, End of Year	\$ 1,598,732,002	\$	172,106,999	\$ 1,770,839,001

Notes to Financial Statements December 31, 2017 and 2016

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 system 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 (cost-sharing plan) for participants hired by the respective local government unit after January 1, 1983. All accumulated plan assets of the cost-sharing multiple-employer defined pension plan are available to pay any benefit (or to refund any contribution) to any plan member or beneficiary of the Plan.

Political subdivisions that had a local pension and relief fund (local plan) for its police officers and firefighters prior to the establishment of LOPFI may transfer their local plan to LOPFI for administration. Local plans that are now being administered by LOPFI are included in the agent multiple-employers defined benefit pension plan for financial reporting purposes; however, the assets of the individual local plans can only be used to pay the benefit (or to refund any contribution) to plan members or beneficiaries of the individual local plan.

The assets of all plans are pooled for investment purposes.

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.

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.

Notes to Financial Statements December 31, 2017 and 2016

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.

Investment Income

Net investment income credited to each plan is allocated based on the plan's average balance of fiduciary net position.

Administrative Expenses

Administrative expenses are allocated to each plan based on the plan's average balance of fiduciary net position.

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.

Reclassifications

Certain reclassifications have been made to the 2016 financial statements to conform to the 2017 presentation. The reclassifications had no effect on the changes in fiduciary net position.

Notes to Financial Statements December 31, 2017 and 2016

Plan Descriptions

As of December 31, 2017 and 2016, the number of participating political subdivisions was 525 and 511, respectively. At December 31, 2017 and 2016, the System's membership consisted of the following:

	Number of Employe		
Membership Classification	2017	2016	
Retired plan members or beneficiaries currently receiving benefits:			
Local plan fire without Social Security	755	7	
Local plan police with Social Security	207	1	
Local plan police without Social Security	736	6	
Local plan volunteer fire	1,197	9	
Subtotal for agent multiple-employer plans	2.895	2,5	
LOPFI fire benefit program 2 – with Social Security	16		
LOPFI fire benefit program 2 – without Social Security	102		
LOPFI fire with Social Security	48		
LOPFI fire without Social Security	850	7	
LOPFI police benefit program 2 – with Social Security	15		
LOPFI police benefit program 2 – without Social Security	141	1	
LOPFI police with Social Security	1,155	1,0	
LOPFI police without Social Security	559	5	
LOPFI staff	3		
LOPFI volunteer fire	2,465	2,2	
LOPFI volunteer police	168	1	
Subtotal for cost-sharing multiple-employer plans	5,522	4.9	
Subtotal for retirees and beneficiaries	8,417	7,4	
Active plan members:		-,,-	
Local plan fire without Social Security	2		
Local plan part paid contributory fire	2		
Local plan police without Social Security	1		
Local plan volunteer fire	12		
Subtotal for agent multiple-employer plans	17		
LOPFI fire benefit program 2 – with Social Security	48		
LOPFI fire benefit program 2 – without Social Security	176	1	
LOPFI fire with Social Security	73		
LOPFI fire without Social Security	2,317	2,3	
LOPFI police benefit program 2 – with Social Security	54		
LOPFI police benefit program 2 – without Social Security	226	2	
LOPFI police with Social Security	2,074	2,0	
LOPFI police without Social Security	1,324	1,2	
LOPFI staff	9	•	
LOPFI volunteer fire	6,933	6,9	
LOPFI volunteer police	408	3	
Subtotal for cost-sharing multiple-employer plans	13,642	13,6	
Subtotal for active employees	13,659	13,6	
Inactive plan members entitled to but not yet receiving benefits	7,514	7,1	
Total membership	29,590	28,2	

Notes to Financial Statements December 31, 2017 and 2016

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 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, 2017, for each year of volunteer service, \$6.54 per month, to a maximum of \$261.60 monthly.

Notes to Financial Statements December 31, 2017 and 2016

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, 2017 and 2016, the DROP accounts totaled \$28,872,997 and \$21,876,222, respectively.

Notes to Financial Statements December 31, 2017 and 2016

Note 2: Net Pension Liability

The components of the net pension liability of all entities participating in the cost-sharing plan at December 31, 2017 and 2016, were as follows:

	2017	2016
Total pension liability	\$2,612,647,467	\$2,206,296,314
Plan's fiduciary net position	1,859,390,896	1,598,732,002
Net pension liability	\$ 753,256,571	\$ 607,564,312
Plan's fiduciary net position as a percentage		
of total pension liability	71.17%	72.46%

Actuarial Assumptions

The total pension liability as of December 31, 2017 and 2016, was determined by actuarial valuations as of December 31, 2017 and 2016, using the following actuarial assumptions:

	2017	2016		
Wage inflation	3.25%	3.75%		
Price inflation	2.50%	2.75%		
Investment rate of return	7.00%	7.75%		

The mortality tables used for the December 31, 2017, valuation were the RP-2014 Healthy Annuitant benefit-weighted generational mortality tables for males and females. The disability postretirement mortality tables used were the RP-2014 Disabled Retiree benefit-weighted generational mortality tables for males and females.

The mortality tables used for the December 31, 2016, valuation were the RP-2000 Combined Healthy Mortality Tables 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.

The actuarial assumptions used in the December 31, 2017, valuation were based on the results of an experience study of the period 2012 to 2016. The actuarial assumptions used in the December 31, 2016, valuation were based on the results of an experience study of the period 2008 to 2011.

Notes to Financial Statements December 31, 2017 and 2016

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.

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		Long-Term Expected
Asset Class	Target Allocation	Real Rate of Return
Fixed income	27.00%	0.78%
Domestic equity	42.00%	5.58%
Foreign equity	18.00%	7.38%
Alternative investments	10.00%	6.23%
Cash	3.00%	0.00%
Total	100.00%	

2016

		Long-Term Expected
Asset Class	Target Allocation	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

The single discount rate used to measure the total pension liability was 7.00% and 7.75% for the years ended December 31, 2017 and 2016, respectively. The single discount rate was based on the expected rate of return on pension plan investments.

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.

Notes to Financial Statements December 31, 2017 and 2016

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 as of December 31, 2017, calculated using a single discount rate of 7.00%, 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:

	Current Single		
	1% Decrease 6.00%	Discount Rate 7.00%	1% Increase 8.00%
Net pension liability	\$ 1,182,982,919	\$ 753,256,571	\$ 407,164,068

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.

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, 2017, all of the System's deposits were either insured or collateralized with securities pledged in the System's name.

Notes to Financial Statements December 31, 2017 and 2016

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.

The following table summarizes the System's fixed income portfolio exposure levels and credit qualities at December 31, 2017 and 2016:

	2017	2016
Fixed Income Security Type by S&P Rating		
Corporate and Foreign Bonds		
AA	\$ 3,144,623	\$ -
A	18,912,916	17,334,080
BBB	7,935,242	6,195,015
	29,992,781	23,529,095
Collateralized Mortgage Obligations		
BB		258,532
Mortgage-Backed Securities		
Not rated	12,589,085	16,775,333
	\$ 42,581,866	\$ 40,562,960

Notes to Financial Statements December 31, 2017 and 2016

Interest Rate Risk

Interest rate risk is the risk that changes in interest rates will adversely affect the fair value of an investment. The System's interest rate risk is controlled through duration management. Duration is a measure of the sensitivity of the price (the value of principal) of a fixed income investment to a change in interest rates, and is expressed as a number of years. In accordance with its investment policy, the fixed income portfolio shall vary from the duration of the relative comparative indices by no more than +/-25%. As of December 31, 2017 and 2016, the System's effective duration by investment type was:

Duration		
17	2016	
25	2.37	
71	0.98	
71	0.98	
54	0.23	
)9	0.81	
00	0.04	
)1	0.03	
)2	0.20	
13	-0.11	
10	5.53	
	13 38	

Rate of Return

For the years ended December 31, 2017 and 2016, the annual money-weighted rate of return on pension plan investments, net of pension plan investment expense, was 13.91% and 5.76%, 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.

Notes to Financial Statements December 31, 2017 and 2016

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

Notes to Financial Statements December 31, 2017 and 2016

Recurring Measurements

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, 2017 and 2016:

	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, 2017				
Investments by Fair Value Level				
Equity securities – diversified	\$ 349,431,987	\$ 349,431,987	\$ -	\$ -
Equity securities – foreign	49,452,074	49,452,074	-	-
Equity mutual funds	681,369,109	164,031,932	517,337,177	-
International equity mutual funds	116,523,792	-	116,523,792	-
Fixed income mutual funds	412,708,994	189,510,523	223,198,471	-
Real estate investment trusts	1,715,246	1,715,246	-	-
U.S. government obligations	82,198,861	-	82,198,861	-
Corporate bonds	29,992,781	-	29,992,781	-
Mortgage-backed securities	12,589,085		12,589,085	
Total investments by fair value level	1,735,981,929	754,141,762	981,840,167	
Investments Measured at the Net Asset Value (NAV) ^(A)				
Private equity funds	60,278,372			
Private debt funds	21,487,788			
Equity long/short hedge funds	25,509,866			
Commercial real estate funds	24,972,579			
Bank recapitalization and value				
opportunities funds	13,165,750			
Energy funds	12,327,379			
Opportunistic credit funds	22,194,894			
Total investments measured at the NAV	179,936,628			
Total investments measured at fair value	\$1,915,918,557	\$ 754,141,762	\$ 981,840,167	\$ -

Notes to Financial Statements December 31, 2017 and 2016

	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				
	© 265.267.511	Ф 265.267.511	e e	e.
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 Fixed income mutual funds	30,367,211	-	30,367,211	-
	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	
Total investments by fair value level	1,446,754,065	328,295,974	1,118,458,091	
Investments Measured at the Net Asset Value (NAV) (A)				
Private equity funds	53,872,973			
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			
Total investments measured at the NAV	169,066,106			
Total investments measured at fair value	\$1,615,820,171	\$ 328,295,974	\$1,118,458,091	\$ -

(A) Certain investments that are measured using the NAV 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 statements of fiduciary net position.

Notes to Financial Statements December 31, 2017 and 2016

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, 2017					
	F	air Value	-	Jnfunded mmitments	Redemption Frequency	Redemption Notice Period
Private equity funds (A)	\$	53,237,721	\$	39,371,781		
Private equity funds (A)		7,040,651		-	Semi-annually	5 Months
Private debt funds (B)		21,487,788		18,771,137		
Equity long/short hedge funds (C)		25,509,866		-	Quarterly	90 Days
Commercial real estate funds (D)		24,972,579		-	Quarterly	45 Days
Bank recapitalization and value						,
opportunistic funds (F)		13,165,750		9,750,000		
Energy funds (G)		12,327,379		6,793,722		
Opportunistic credit funds (H)		22,194,894		-	Annually	90 Days
				Decembe	r 31, 2016	
				Unfunded	Redemption	Redemption
	F	air Value			•	Redemption Notice Period
Private equity funds (A)		air Value 53,872,974		Unfunded	Redemption	•
Private debt funds (B)			Co	Unfunded ommitments	Redemption	•
Private debt funds ^(B) Equity long/short hedge funds ^(C)		53,872,974	Co	Unfunded emmitments 26,346,508	Redemption	•
Private debt funds (B) Equity long/short hedge funds (C) Commercial real estate funds (D)		53,872,974 23,049,216	Co	Unfunded emmitments 26,346,508	Redemption Frequency	Notice Period
Private debt funds ^(B) Equity long/short hedge funds ^(C)		53,872,974 23,049,216 18,647,882	Co	Unfunded emmitments 26,346,508	Redemption Frequency Quarterly	Notice Period 95 Days
Private debt funds (B) Equity long/short hedge funds (C) Commercial real estate funds (D) Commodity long/short hedge funds (E) Bank recapitalization and value		53,872,974 23,049,216 18,647,882 23,524,451	Co	Unfunded emmitments 26,346,508	Redemption Frequency Quarterly Quarterly	Notice Period 95 Days
Private debt funds (B) Equity long/short hedge funds (C) Commercial real estate funds (D) Commodity long/short hedge funds (E) Bank recapitalization and value opportunistic funds (F)		53,872,974 23,049,216 18,647,882 23,524,451	Co	Unfunded emmitments 26,346,508	Redemption Frequency Quarterly Quarterly	Notice Period 95 Days
Private debt funds (B) Equity long/short hedge funds (C) Commercial real estate funds (D) Commodity long/short hedge funds (E) Bank recapitalization and value		53,872,974 23,049,216 18,647,882 23,524,451 14,316,229	Co	26,346,508 23,950,033	Redemption Frequency Quarterly Quarterly	Notice Period 95 Days

(A) This category includes investments in private investment companies that are closed ended and which 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.

Notes to Financial Statements December 31, 2017 and 2016

- (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.
- (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 invests primarily in performing, underperforming or nonperforming 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.

Required Supplementary Information

Required Supplementary Information Schedule of Changes in Net Pension Liability and Related Ratios

	2017		2016	2015		2014
Total Pension Liability		,				
Service cost Interest on the total pension liability Benefit changes	\$ 52,999,883 170,545,435	\$	52,411,007 157,522,879	\$ 50,466,076 146,226,976 -	\$	51,147,644 134,748,677 272,375
Differences between expected and actual experience Assumption changes Benefit payments, DROP Distributions	27,286,660 219,939,183		19,163,957	5,172,371 53,731,281		(1,779,051)
and Refunds	 (64,420,008)		(58,298,612)	 (45,407,579)		(35,732,645)
Net Change in Total Pension Liability	406,351,153		170,799,231	210,189,125		148,657,000
Total Pension Liability, Beginning of Year	 2,206,296,314		2,035,497,083	 1,825,307,958		1,676,650,958
Total Pension Liability, End of Year	\$ 2,612,647,467	\$	2,206,296,314	\$ 2,035,497,083	\$	1,825,307,958
Plan Fiduciary Net Position						
Employer contributions	\$ 77,416,248	\$	75,298,216	\$ 67,624,600	\$	63,964,129
Employee contributions	23,429,576		21,816,086	21,187,024		21,844,747
Other contributions	54,467		38,872	34,066		56,744
Pension plan net investment income Benefit payments, DROP Distributions	227,217,628		88,592,090	1,642,306		95,052,926
and Refunds	(64,503,839)		(58,298,612)	(45,407,579)		(35,732,645)
Pension plan administrative expense	(2,955,186)		(2,665,399)	(2,482,123)		(2,258,660)
Net Change in Plan Fiduciary Net Position	 260,658,894	_	124,781,253	42,598,294	,	142,927,241
Plan Fiduciary Net Position, Beginning of Year	 1,598,732,002		1,473,950,749	1,431,352,455		1,288,425,214
Plan Fiduciary Net Position, End of Year	\$ 1,859,390,896	\$	1,598,732,002	\$ 1,473,950,749	\$	1,431,352,455
Net Pension Liability, End of Year	\$ 753,256,571	\$	607,564,312	\$ 561,546,334	\$	393,955,503
Plan's Fiduciary Net Position as a Percentage of the Total Pension Liability	71.17%		72.46%	72.41%		78.42%
Covered Payroll	\$ 339,098,676	\$	329,344,355	\$ 320,487,331	\$	310,870,608
Plan's Net Pension Liability as a Percentage of Covered-Employee Payroll	222.13%		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.

Required Supplementary Information Schedule of Employer Contributions

Fiscal Year Ending	D	Actuarially etermined ontribution	C	Actual ontribution	Defic	ibution ciency cess)	Covered Payroll	Actual Contribution as a % of Covered Payroll
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%
12/31/2017		77,410,021		77,410,021		-	339,098,676	22.83%

Valuation Date: Actuarially determined contribution rates are calculated as of December 31, 2015,

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 17 years beginning January 1, 2019
Asset Valuation Method 5-Year smoothed market, 20% corridor

Wage Inflation 3.75% Price Inflation 2.75%

Salary Increases 4.25% to 18.75%, including inflation

Investment Rate of Return 7.75%

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 changes in benefit provisions or methods in the December 31, 2015,

actuarial valuation. Economic assumptions were updated in the December 31, 2015,

valuation to a 7.75% investment return assumption, a 3.75% wage inflation

assumption and a 2.75% price inflation assumption.

Required Supplementary Information Schedule of Investment Returns

Annual Money-Weighted Rate of
Return, Net of Investment Expense
-25.24%
17.75%
9.57%
0.20%
11.17%
17.33%
6.80%
-0.05%
5.76%
13.91%

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

Schedule of Administrative Expenses Years Ended December 31, 2017 and 2016

	201	7	2016		
Personal Services	<u> </u>				
Staff expense	\$ 7	10,307 \$	673,189		
Professional Services					
Computer operations/process	1,7	28,813	1,532,695		
Audit services		85,000	67,000		
Actuarial services	3	10,450	295,298		
Legal services	1-	45,000	120,436		
Medical advisor/related	<u> </u>	57,498	57,073		
Total professional services	2,3	26,761	2,072,502		
General Operating Expense					
Insurance expense	,	54,797	50,531		
Office equipment		29,410	36,517		
Office supplies		16,268	28,107		
Printing		18,449	15,409		
Telephone		17,216	16,282		
Postage		17,094	16,719		
Publications		1,779	962		
Travel/professional education/conferences		44,715	26,787		
Board/kitchen supplies		2,642	3,280		
Miscellaneous		13,006	_		
Total general operating expense	2	15,376	194,594		
Total expenses	3,2	52,444	2,940,285		
Depreciation expense		38,447	165,803		
Total Administrative Expenses	\$ 3,2	90,891	3,106,088		

Schedule of Investment Expenses Years Ended December 31, 2017 and 2016

	 2017	2016
Investment consulting fees	\$ 680,000	\$ 400,000
Money manager fees	4,765,383	4,122,585
Custodial fees	216,000	216,000
Investment monitor expenses	 189,000	 150,250
Total investment expenses	\$ 5,850,383	\$ 4,888,835

Investment Section

Stephens Inc.

May 2018

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 12/31/17	Permissible Range
Domestic Equities		S
Large Cap	34	15-30%
Mid Cap	1	15-30%
Small Cap	2	0-20%
Foreign Equities	7	0-10%
Index	12	5-15%
US Bonds	23	20-50%
Foreign Bonds	4	0-10%
Alternative Investments	12	0-15%
Cash	5	0-20%

LOPFI's portfolio was up 14.48%* for the fiscal year ended 2017 versus the comparative index return of 13.94%* with an ending market value of \$2.038 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

Ly Middlete

* Source: Thistle Asset Consulting. Thistle Asset 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]

Daried Ended	Total Fund	Inflation	Equition	Fixed Income	Cash
Period Ended	Total Fund	+ 3%**	Equities	Fixed Income	Casii
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]
12/31/17	14.48% [\$2,037,994]	5.6%	22.92% [\$1,394,069]	4.80% [\$538,625]	0.10% [\$105,300]

QUARTERLY VALUES (RETURNS) Period Ended Total Fund Equities Fixed Income

12/31/2017 3.56% 6.11% 0.32%

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



Executive Summary Market Values December 31, 2017 Asset Allocation By Manager as of December 31, 2017 : \$2,037,993,984

Asset Allocation By Manager as of September 30, 2017: \$1,934,939,064

Allocation 6.0 0.8 5.6 3.6 2.0 <u>~</u>. 1.7 9. 5. ω. 7. 7. 7 Market Value 41,611,289 33,427,145 12,327,379 271,217,792 246,119,384 189,512,075 164,031,933 157,895,468 125,914,029 118,899,024 14,986,782 05,299,578 46,225,485 35,152,000 31,154,757 25.505.285 24,991,263 24,972,586 21,897,993 18,800,952 16,381,155 11,938,994 11,675,599 8,654,374 7,416,820 7,246,583 6,594,108 4,165,286 3,580,388 1,936,346 73,144,691 37,695,977 27,294,671 4,668,391 666,344 3,439,827 AIM Thirteen Partners Equity Offshore Global Currents Intl Eq/Clearbridge Citigroup-StepStone Private Equity Wellington International Growth State Street Flagship Index Fd KKR Energy Income & Growth AIM Thirteen Partners Equity Goldman Sachs Vintage VII Goldentree Select Offshore Dodge & Cox Stock Fund New South Capital Equity PIMCO Interm Fixed Inc. Owl Rock Direct Lending Wellington Commodities Macquarie Infrastructure JP Morgan Infrastructure Aberdeen Intl Fixed Inc. Fisher Emerging Mkts KKR Direct Lending WAMCO High Yield WAMCO US CORE GHA Fixed Income Liquidation (Cash) Chickasaw Capital Wellington Equity Congress Equity KKR Mezzanine PIMCO Bravo III PIMCO Bravo II **NB Private Debt NB Crossroads** PIMCO Bravo I JP Morgan RE Lazard Equity Fisher Intl Eq Barrow LCV Allocation Allocation 1.6 6.1 1.3 1.0 0.0 0.0 0.0 0.8 0.6 0.5 0.5 0.4 1.8 0.7 **Market Value** 32,256,652 31,112,670 26,034,386 250,644,943 189,302,342 155,112,998 149,039,789 110,715,364 109,891,122 00,805,336 72,585,983 44,657,359 40,525,223 35,573,038 33,254,000 24,610,671 24,590,984 20,108,108 18,829,539 16,950,219 15,950,973 13,674,683 11,371,365 10,826,021 8,946,589 8,466,484 6,837,077 6,542,287 5,249,601 4,160,242 3,057,454 ,786,346 ,266,342 AIM Thirteen Partners Equity Offshore Global Currents Intl Eq/Clearbridge Citigroup-StepStone Private Equity Wellington International Growth State Street Flagship Index Fd KKR Energy Income & Growth AIM Thirteen Partners Equity Goldentree Select Offshore Goldman Sachs Vintage VII New South Capital Equity Dodge & Cox Stock Fund Owl Rock Direct Lending PIMCO Interm Fixed Inc. Macquarie Infrastructure JP Morgan Infrastructure Wellington Commodities Aberdeen Intl Fixed Inc. Fisher Emerging Mkts KKR Direct Lending WAMCO US CORE WAMCO High Yield GHA Fixed Income Chickasaw Capital Liquidation (Cash) Wellington Equity Congress Equity PIMCO Bravo III PIMCO Bravo II NB Private Debt KKR Mezzanine ■ NB Crossroads JP Morgan RE Lazard Equity Fisher Intl Eq Barrow LCV Citco Allocation

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, 2017

	Asset Allocation & Performance									
		Allo	Allocation				Performance(%)	(%		
		Market Value \$	%	QTR	FYTD	1 YR	3 YR	5 YR	Inception	Inception Date
	Total Fund Composite	2,037,993,984	100.0	3.56	14.48	14.48	6.78	9.18	5.29	01/01/2001
	Total Fund Policy Index			3.25	13.94	13.94	7.10	8.69	5.55	
	Total Equity Composite	1,175,657,926	57.7	6.11	22.92	22.92	10.26	14.29	7.56	01/01/1998
	Total Equity Policy Index			5.59	19.91	19.91	10.68	14.81	7.47	
	Domestic Equity									
	Barrow LCV Russell 1000 Value Index	157,895,468	7.7	5.94	14.89	14.89	8.78	13.79	7.54	01/01/2006
	Lazard Equity S&P 500 Index	114,986,782	5.6	4.64 6.64	18.05	18.05	9.63	N/A 15.79	12.89	07/01/2013
55	State Street Flagship Index Fd S&P 500 Index	246,119,384	12.1	6.65	21.83	21.83	11.44	15.81	8.25	04/01/2005
	Dodge & Cox Stock Fund Russell 1000 Value Index	164,031,933	8.0	5.75	18.32	18.32	11.08	16.29	7.92	01/01/2006
	Wellington Equity Russell 1000 Growth Index	271,217,792	13.3	8.21 7.86	35.80 30.21	35.80 30.21	14.58	18.13	7.71 6.87	01/01/1998
	Congress Equity Russell Midcap Growth Index	33,427,145	9.	3.63	16.88	16.88	10.27	N/A 15.30	14.30	07/01/2013
	New South Capital Equity Russell 2500 Index	46,225,485	2.3	3.27 5.24	10.74	10.74	5.80	N/A 14.33	9.69	07/01/2013

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, 2017 (Continued)

		Allocation	ation				Performance(%)	(%)		
		Market Value \$	%	QTR	FYTD	1 YR	3 YR	5 YR	Inception	Inception Date
	International Equity									
	Global Currents Intl Eq/Clearbridge MSCI EAFE Index	30,367,211	1.7	1.80	4.27	4.27	-2.70	7.45	4.07	04/01/2005
	Fisher Intl Eq MSCI EAFE Index	32,336,443	6.	-1.69	1.32	1.32	-1.06	5.91	5.58	01/01/2002
	Fisher Emerging Mkts MSCI Emerging Markets Index	25,402,000	7.5	-6.86	4.60	4.60	-1.75	N/A 1.65	1.58	07/01/2013
	Wellington International Growth MSCI AC World Index Growth	19,764,616	.	-8.81	N/A 3.66	N/A 3.66	N/A 3.79	N/A 10.12	-2.72 3.87	04/01/2016
	Total Fixed Income Composite	488,906,444	28.2	-2.67	3.15	3.15	2.40	2.46	4.61	01/01/1998
	l otal Fixed income Policy Index			-4.29	2.47	2.47	1.68	1.32	4.76	
56	PIMCO Interm Fixed Inc. Bloomberg Barclays Intermed Aggregate Index	180,268,330	10.4	-2.46	2.60	2.60	2.66	3.21	4.67 3.91	10/01/2002
	WAMCO Agg Fixed Inc. Bloomberg Barclays U.S. Aggregate Index	112,737,767	6.5	-2.78	3.51 2.65	3.51	3.93	3.17	4.09	10/01/2002
	GHA Fixed Income Bloomberg Barclays U.S. Aggregate Index	98,872,284	5.7	-1.47	3.06	3.06	2.89	3.76	4.97	04/01/2005
	WAMCO High Yield BofA Merril Lynch 0-5 Year U.S. HY Constrained Ind	29,579,132	1.7	2.10	8.81	8.81	-1.02	N/A 6.58	-1.02 3.72	01/01/2014
	Aberdeen Intl Fixed Inc. Citigroup Non-U.S. World Government Bond	67,448,932	3.9	-6.43	1.78	1.78	0.15	-0.84	3.85	01/01/1998

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, 2017 (Continued)

	Allo	Allocation				Performance(%)	(%)		
	Market Value \$	%	QTR	FYTD	1 YR	3 YR	5 YR	Inception	Inception Date
Alternatives									
JP Morgan RE NCREIF Property Index	24,972,586	1.2	1.55	6.16 6.96	6.16 6.96	9.14	10.43	4.77 6.26	10/01/2007
Chickasaw Capital Alerian MLP Index	18,800,952	6.0	-0.15	-8.54	-8.54	-9.61	5.43	11.73 5.04	07/01/2010
Citco HFRI Event-Driven (Total) Index	7,416,820	0.4	-17.10	-14.22 7.64	-14.22 7.64	-10.49	-3.34	-1.29	04/01/2011
Citigroup-StepStone Private Equity LPX MM Private Equity Index ETF	3,439,821	0.2	12.51	16.95	16.95	-3.09	12.43	5.91	10/01/2007
Wellington Commodities Bloomberg Commodity Index Total Return	16,381,155	0.8	2.51	4.03	4.03	N/A -5.04	N/A -8.45	9.35	04/01/2016
JP Morgan Infrastructure S&P Global Infrastructure	7,246,583	6.0	5.99	12.87	12.87 20.13	5.56	5.39 9.21	4.24 9.67	01/01/2009
Macquarie Infrastructure S&P Global Infrastructure	8,654,374	0.4	2.22	2.68	2.68	3.87 6.14	5.76 9.21	4.60	01/01/2009
NB Crossroads LPX MM Private Equity Index ETF	1,936,346	0.1	8.40	13.43	13.43 24.02	N/A 11.48	N/A 10.22	13.62 20.19	05/01/2016
NB Private Debt S&P/LSTA Leveraged Loan Index	11,675,599	9.0	3.16	-4.10	4.10	1.28	12.20	7.00	07/01/2007
PIMCO Bravo I S&P/LSTA Leveraged Loan Index	666,344	0.0	8.58	-35.69	-35.69	N/A 4.44	N/A 4.03	-6.87	05/01/2016
PIMCO Bravo II S&P/LSTA Leveraged Loan Index	11,938,994	9.0	4.99	14.16	14.16	9.80	14.14 4.03	15.03 4.25	04/01/2011
PIMCO Bravo III S&P/LSTA Leveraged Loan Index	1,552,238	0.1	1.93	12.10	12.10	N/A 4.44	N/A 4.03	8.21	11/01/2016
KKR Mezzanine S&P/LSTA Leveraged Loan Index	4,165,286	0.2	0.12	4.01	4.01	-2.07	3.79	-9.21 4.75	10/01/2010
KKR Direct Lending S&P/LSTA Leveraged Loan Index	4,668,391	0.2	-11.07	1.20	1.20	N/A 4.44	N/A 4.03	5.22 6.32	05/01/2016

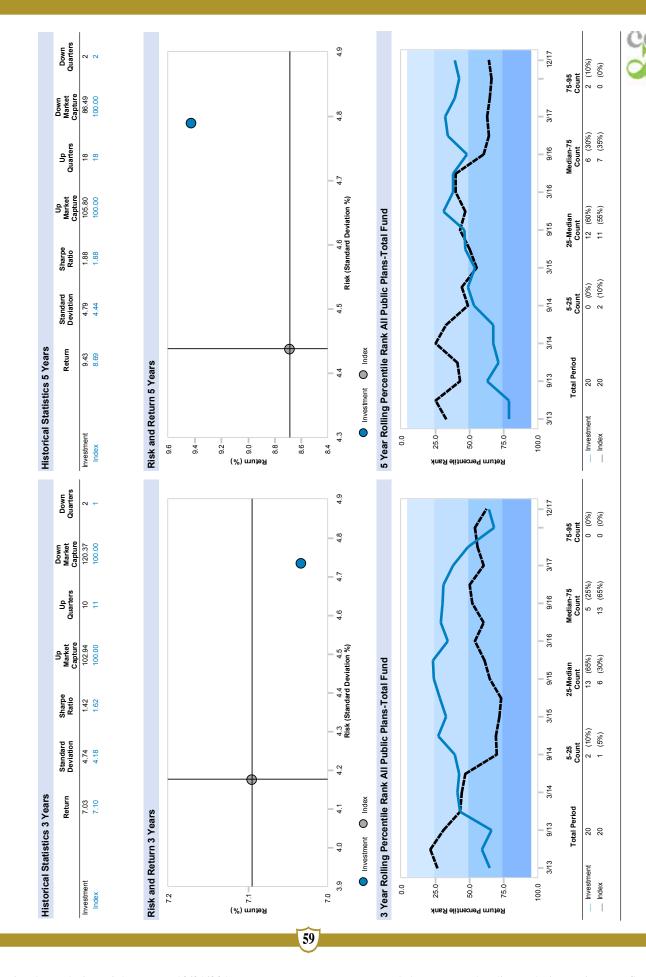


Performance Evaluation Summary (Net Returns)

All calculations are time-weighted based on the market values and trade date of each transaction received from the bank. December 31, 2017 (Concluded)

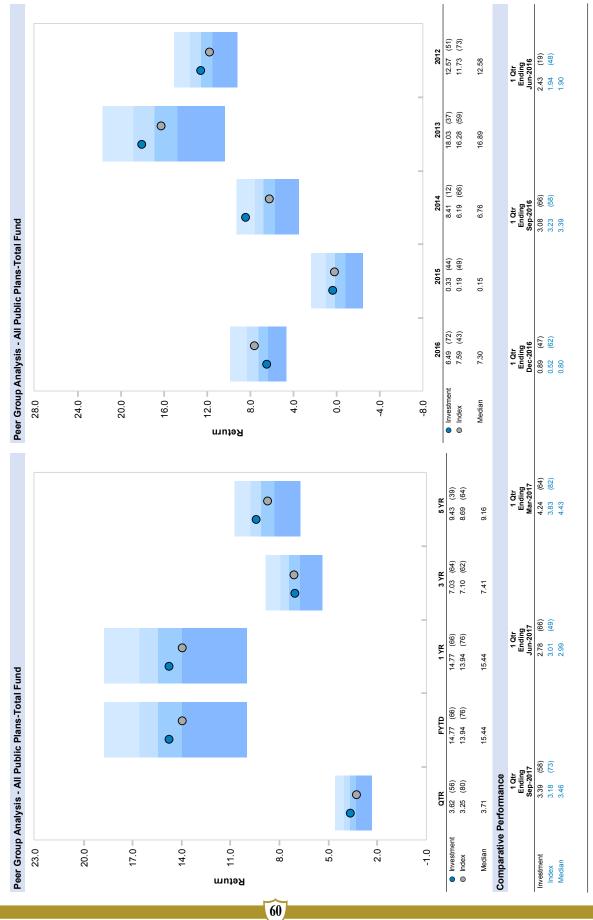
	Allo	Allocation				Performance(%)	(%)		
	Market Value \$	%	Q TR	FYTD	1 YR	3 YR	5 YR	Inception	Inception Date
KKR Energy Income & Growth LPX MM Private Equity Index ETF	12,327,379	9.0	-15.71	15.90 24.02	15.90	N/A 11.48	N/A 10.22	-6.32	05/01/2016
AIM Thirteen Partners Equity Offshore HFRX Global Hedge Fund Index	25,505,285	£.	2.05	10.08	10.08	3.57	5.59	5.04	04/01/2012
AIM Thirteen Partners Equity LPX MM Private Equity Index ETF	24,991,263	1.2	1.55	3.41 24.02	3.41 24.02	N/A 11.48	N/A 10.22	2.47	06/01/2016
Goldentree Select Offshore HFRI RV: Fixed Income-Corporate Index	21,897,993	. .	-0.24	4.67	4.67	N/A 5.31	N/A 4.56	7.46 9.10	05/01/2016
Owl Rock Direct Lending S&P/LSTA Leveraged Loan Index	6,594,108	0.3	2.88	9.75	9.75	N/A 44.4	N/A 4.03	7.37 5.49	09/01/2016
Goldman Sachs Vintage VII LPX MM Private Equity Index ETF	3,580,388	0.2	0.01	N/A 24.02	N/A 24.02	N/A 11.48	N/A 10.22	0.01	08/01/2017
Liquidation (Cash)	105,299,578	5.2							

Total Fund Trailing 5-Years December 31, 2017



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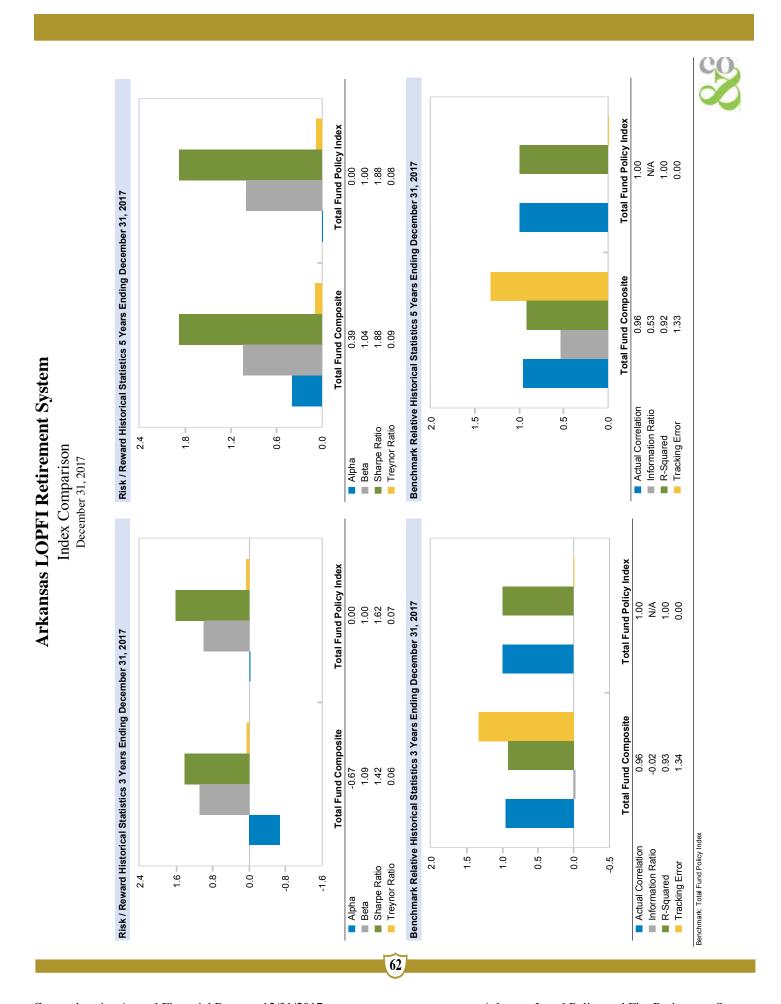
Arkansas LOPFI Retirement System Total Fund Trailing 5-Years December 31, 2017



ARKANSAS LOPFI RETIREMENT SYSTEM

TOTAL ANNUAL RETURNS 2013 - 2017 (Net of Investment Management Fees beginning 2008) (AndCo's calculations are time-weighted and based on the trade date of all transactions)

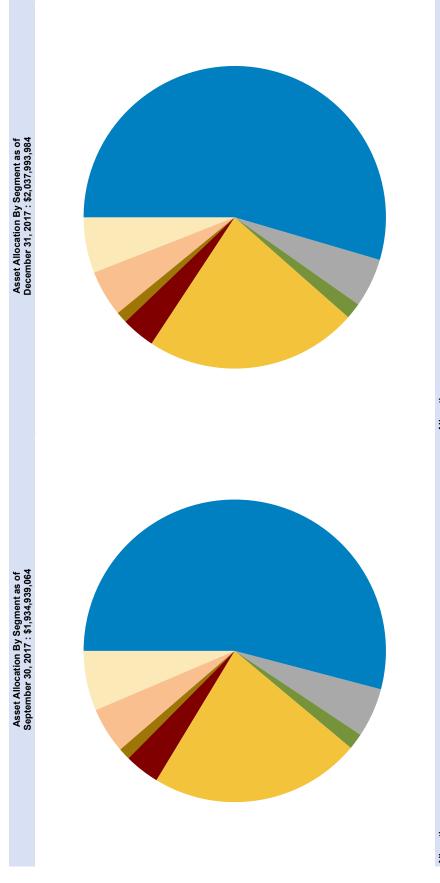
Manager		A	Annual Return	r.		5 Years Annualized	70
	2013	2014	2015	2016	2017	(Shorter periods as indicated)	<u>s</u>
Wellington	36.81%	11.91%	10.29%	0.43%	35.80%	18.13%	
Barrow Hanley	32.12%	12.17%	-1.68%	13.95%	14.89%	13.79%	
Fisher International	17.14%	-2.94%	-1.50%	1.32%	28.68%	7.86%	
PIMCO	-1.92%	2.70%	2.68%	2.60%	5.13%	2.21%	
WAMCO	-2.41%	7.73%	0.65%	3.51%	4.78%	2.79%	
Aberdeen	-5.68%	3.72%	-4.85%	1.78%	8.07%	0.48%	
SSGA Index Plus	32.39%	13.68%	1.42%	11.96%	21.83%	15.81%	
Clearbridge Intl. Eq.	28.50%	-8.16%	-3.81%	4.27%	23.37%	7.86%	
. GHA	1.09%	4.40%	1.25%	3.06%	1.98%	2.35%	
Dodge & Cox	40.55%	10.40%	-4.49%	21.28%	18.32%	16.29%	
N.B. Private Debt	14.71%	49.19%	%09.0	7.68%	13.43%	12.20%	
Citionol Drivate Follity	47 24%	34 06%	22 11%	-36 28%	16 95%	12 43%	
IP Morgan R.F.	14.79%	10.06%	12.99%	8.39%	6.16%	10 43%	
JP Morgan Infrastructure	6.47%	3.83%	0.31%	3.90%	12.87%	5.39%	
Macquarie Infrastructure	64.25%	-28.13%	-1.69%	11.02%	2.68%	2.76%	
Chicken	45 54%	21 21%	-36 86%	27.88%	-8 54%	5 43%	
KKR Mezzanine Partners	17.18%	9.46%	-7.39%	-2.50%	4.01%	3.79%	
CITCO	-23.28%	20.45%	-4.21%	-12.72%	-14.22%	-3.34%	
PIMCO Bravo II	26.51%	15.67%	6.31%	%60'6	14.16%	14.14%	
AIM 13 Partners Offshore	14.25%	3.43%	-1.72%	2.68%	10.08%	2.59%	
Congress		12.83%	1.23%	13.32%	16.88%	14.30%	4 vears 6 months
Fisher Emerging Markets		1.07%	-10.30%	4.60%	38.07%	8.75%	4 vears, 6 months
Lazard		11.61%	1.03%	10.46%	18.05%	12.89%	4 years, 6 months
New South Capital		10.61%	-1.22%	8.26%	10.74%	%69.6	
WAMCO High Yield		-2.01%	-9.04%	8.81%	4.91%	0.43%	4 years
Wellington International Growth					37.15%	17.91%	1 year, 9 months
Wellington Commodities					4.03%	9.35%	1 year, 9 months
N.B. Crossroads					13.43%	13.62%	1 year, 8 months
PIMCO Bravo I					-35.69%	-6.87%	1 year, 8 months
PIMCO Bravo III					12.10%	8.21%	1 year, 2 months
KKR Direct Lending					1.20%	5.22%	1 year, 8 months
KKR Energy Income & Growth					15.90%	-6.32%	1 year, 8 months
AIM 13 Partners Equity					3.41%	2.47%	1 year, 7 months
Goldentree Select Offshore					4.67% 0.75%	7.46%	1 year, 8 months
Owl Rock Direct Leffallig					9.7.5%	0/. 1.5. 1	ı year, 4 monus
Goldman Sachs Vintage VII					۷ /۷	0.01%	5 months
TOTAL FUND	17.76%	8.16%	0.10%	6.25%	14.48%	9.18%	



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Arkansas LOPFI Retirement System

Executive Summary December 31, 2017



llocation			Allocation		
Segments	Market Value	Allocation	Segments	Market Value	Allocation
■ Domestic Equity	1,046,598,005	54.1	■ Domestic Equity	1,111,651,580	54.5
International Equity	101,923,597	5.3	International Equity	106,386,591	5.2
Emerging Equity	33,254,000	1.7	Emerging Equity	35,152,000	1.7
Domestic Fixed Income	437,126,279	22.6	Domestic Fixed Income	464,345,030	22.8
International Fixed Income	72,585,983	3.8	International Fixed Income	73,144,691	3.6
Real Estate	24,590,984	1.3	■ Real Estate	24,972,579	1.2
Private Equity	94,767,729	4.9	Private Equity	100,856,828	4.9
Cash Equivalent	124,092,486	6.4	Cash Equivalent	121,484,685	0.9

Schedule of Investment Expenses

As of December 31, 2017

Professional / Consultant	Nature of Service		Amount
Aberdeen Asset - International Fixed Income	Money Manager	\$	249,514
Barrow, Hanley - Large Cap Value - Equity	Money Manager	\$	447,331
Chickasaw	Money Manager	\$	167,321
ClearBridge (formerly Global Currents) - International Equity	Money Manager	\$	208,428
Congress - Mid Cap Growth - Equity	Money Manager	\$	146,565
Fisher Investments - International Equity*	Money Manager	\$	262,125
Fisher Investments - Emerging Markets Equity*	Money Manager	\$	58,812
Garcia Hamilton - Core Fixed Income	Money Manager	\$	214,608
JP Morgan**	Money Manager	\$	179,975
JP Morgan IIF - Tax Exempt**	Money Manager	\$	50,691
KKR EIGF	Money Manager	\$	225,000
KKR MP	Money Manager	\$	45,119
KKR LP	Money Manager	\$	52,207
Lazard - Large Cap Equity	Money Manager	\$	542,907
New South - Small/Mid Cap Value - Equity	Money Manager	\$	415,031
State Street - Large Cap Core Equity*	Money Manager	\$	67,731
Thirteen Partners Offshore, Ltd.	Money Manager	\$	193,461
Thirteen Partners Private Equity A, LLC	Money Manager	\$	265,954
PIMCO Bravo Fund Onshore Feeder I	Money Manager	\$	13,567
PIMCO Bravo Fund Onshore Feeder II	Money Manager	\$	153,334
PIMCO Bravo Fund III Onshore Feeder TE	Money Manager	\$	10,652
WAMCO - Aggregate Fixed Income/ High Yield	Money Manager	\$	769,570
Western Asset - Short Term/High Yield	Money Manager	\$	122,748
Wellington - Large Cap Growth - Equity	Money Manager	\$	965,171
Wellington - International Growth - Equity	Money Manager	\$	182,844
Wellington - Commodities	Money Manager	\$	119,152
Total Investment Fees		\$	6,129,818
Regions Bank	Custodial Service	\$	216,000
Stephens	Investment Consultant	\$	680,000
AndCo Consulting	Investment Monitoring	\$	189,000
Grand Total MV of Fund @ 12/31/2017 Grand Total as a % of the 12/31/2017 MV		\$ \$ 2	7,214,818 ,037,993,984 0.35%

^{*} Fee calcualted based on 12 months custodial statement.

^{**} Fees provided by the money manager as of 9/30/2017

Schedule of Broker Commissions

Year Ending December 31, 2017

Brk#	Broker Name	Broker Commissions	Gross Price of Assets
13	SANFORD C. BERNSTEIN AND CO., LLC	\$13,078	\$38,198,746
161	MERRILL LYNCH, PIERCE, FENNER and	\$2,386	\$6,744,724
19	JEFFERIES and CO, INC	\$391	\$784,209
226	NATIONAL FINANCIAL SVCS LLC	\$7,828	\$9,780,460
235	RBC DAIN RAUSCHER INC	\$6,517	\$3,361,229
352	JP MORGAN CLEARING CORP	\$56,036	\$163,125,540
355	CREDIT SUISSE FIRST BOSTON LLC	\$15,745	\$191,682,735
418	CITIGROUP GLOBAL MARKETS INC.	\$106,604	\$139,592,650
45	HARRIS NESBITT CORP	\$54,189	\$62,532,279
46171	WELLS FARGO SECURITIES LLC	\$29,628	\$12,552,584
5	GOLDMAN SACHS and CO	\$196,716	\$345,829,984
50	MORGAN STANLEY	\$43,865	\$102,573,777
53312	VIRTU AMERICAS LLC	\$188	\$1,186,650
547	ROBERT BAIRD	\$23,068	\$22,373,808
57079	J.P. MORGAN SECURITIES INC.	\$38,917	\$235,156,384
571	OPPENHEIMER AND CO INC	\$8,672	\$31,653,443
573	DEUTSCHE BANK SECURITIES, INC.	\$52,701	\$206,502,392
58498	IMPERIAL CAPITAL LLC	\$30,400	\$66,131,448
58851	BTIG LLC	\$31,124	\$39,499,763
59055	CAP INSTITUTIONAL SERVICES INC	\$1,631	\$2,745,086
59964	BLOOMBERG TRADEBOOK LLC	\$41	\$251,630
61610	BARCLAYS CAPITAL LE	\$127,673	\$361,060,419
6164	INVESTMENT TECHNOLOGY GROUP, INC	\$7,858	\$47,369,871
62465	KNIGHT EQUITY MARKETS LP	\$3,115	\$24,887,900
62513	COWEN AND COMPANY LLC	\$540	\$509,649
62519	STRATEGAS SECURITIES LLC	\$77,672	\$57,186,673
63646	LONGBOW SECURITIES	\$9,842	\$21,030,620
642	UBS SECURITIES LLC	\$294,501	\$519,915,039
65544	B. RILEY & CO.	\$6,129	\$38,597,027
67	INSTINET CORPORATION	\$299	\$125,647
67526	KEYBANC CAPITAL MARKETS INC	\$381	\$262,769
6826	INSTINET	\$33,268	\$136,639,792
69400	LIQUIDNET INC	\$66,868	\$141,554,311
696	CANTOR FITZGERALD AND CO.	\$3,185	\$2,601,637
69714	WUNDERLICH SECURITIES INC	\$450	\$626,046
70069	CLSA AMERICAS	\$18,371	\$42,891,331
725	RAYMOND JAMES and ASSOC. INC.	\$42,888	\$48,877,995
750	STERNE, AGEE and LEACH, INC	\$545	\$350,582
76099	MACQUARIE SECURITIES INC	\$200	\$770,702
771	BLAIR WILLIAM and COMPANY	\$8,902	\$30,826,716
77734	WINSLOW EVAN AND CROCKER	\$78	\$253,717
793	STIFEL, NICOLAUS AND CO.,INC.	\$72,759	\$109,298,118
83213	ISI GROUP, INC	\$136,705	\$268,714,859
83620	FIDELITY CAP MARKETS (DIV OF N	\$4,883	\$17,386,021

Schedule of Broker Commissions

Year Ending December 31, 2017

Brk#	Broker Name	Broker Commissions	Gross Price of Assets
84341 9883	CITATION GROUP/BCC CLRG WEEDEN AND CO.	\$28,330 \$143,404	\$84,106,056 \$613,998,937
7883	TOTAL	\$1,808,570	\$4,252,101,954

Arkansas LOPFI Retirement System Highest Portfolio Holdings by Manager Top Three Securities As of December 31, 2017

•	FISHER ADR	BARROW, HANLEY	CONGRESS	GARCIA HAMILTON	LAZARD	NEW SOUTH	STATE STREET S&P 500	DODGE & COX	WELLINGTON EQUITY
_	TENCENT HOLDINGS LTD UNSPONSOR ADR	BP PLC ADR	AVERY DENNISON CORP	UNITED STATES TREASURY	ALPHABET INC A	OPEN TEXT CORP	APPLE INC	SCHWAB (CHARLES) CORP N/A	ALPHABET
MATURITY Market Value Book Value Percent of Fund	N/A \$1,873,014 \$213,031 4.50%	N/A \$5,534,384 \$5,286,418 3.60%	N/A \$1,148,600 \$821,041 3.30%	5/15/2025 \$18,939,589 \$19,230,384 15.04%	N/A \$5,111,096 \$2,974,313 4.40%	N/A \$3,138,960 \$1,575,126 6.80%	\$9,352,537 N/A 3.80%	\$6,561,277 N/A 4.00%	\$16,490,042 N/A 6.08%
2 MATURITY Market Value Book Value Percent of Fund	2 ASML HOLDINGS Y N/A te \$1,742,893 te \$507,769 rd 4.19%	WELLS FARGO & CO. N/A \$5,527,279 \$3,327,958 3.60%	CARTER'S INC N/A \$1,045,661 \$691,122 3.00%	UNITED STATES TREASURY DTD 2/15/2026 \$9,023,797 \$873,873	MICROSOFT N/A \$4,619,160 \$2,527,982 4.00%	THERMO FISHER SCIENTIFIC INC N/A \$2,772,248 \$1,202,235 6.00%	MICROSOFT N/A \$7,137,462 N/A 2.90%	CAPITAL ONE FINANCIAL CORP N/A \$6,233,213 N/A 3.80%	FACEBOOK N/A \$12,421,775 N/A 4.58%
ю	TAIWAN 3 SEMICONDUCTOR	JPMORGAN CHASE &CO	PVH CORP	UNITED STATES TREASURY DTD	CITIGROUP	AEROJET ROCKETDYNE	AMAZON	WELLS FARGO & CO.	APPLE INC
MATURITY Market Value	N/A \$1,628,147	N/A \$5,507,410	N/A \$1,029,075	2/15/2025 \$7,179,316	N/A \$4,546,078	N/A \$2,741,388	N/A \$4,922,388	N/A \$6,315,229	N/A \$11,662,365
Book Value Percent of Fund	\$502,557 3.91%	\$2,237,778 3.60%	\$858,641 2.90%	\$7,494,185 5.70%	\$3,649,876 4.00%	\$1,345,592 5.90%	N/A 2.00%	N/A 3.85%	N/A 4.30%
TOTAL:	\$41,611,289.00	\$157,895,468.00	\$33,427,145.00	\$125,914,029.00	\$114,986,782.00	\$46,225,485.00	\$246,119,384.00	\$164,031,933.00	\$271,217,792.00

	CLEARBRIDGE	FISHER EM	WELLINGTON INTL GROWTH	WAMCO	PIMCO TOTAL RETURN FUND	GARCIA HAMILTON	WAMCO HIGH YIELD	ABERDEEN INTL FIXED INCOME	LIQUIDATION
	BANCO SANTANDER	TENCENT	TENCENT	UNITED STATES TREASURY DTD	3 Month Euribor Future	UNITED STATES TREASURY DTD	SPDR BBG BARC ST HIGH YIE	TREASURY BILL	REGIONS TRUST CASH SWEEP
MATURITY	N/A	N/A	N/A	11/15/2043	3/19/2018	5/15/2025	N/A	N/A	N/A
Market Value	\$1,025,331	\$2,587,187	\$1,192,777	\$16,669,643	\$63,240,179	\$16,656,657	\$981,375	\$8,696,904	\$105,299,578
Book Value	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	\$105,299,578
Percent of Fund	2.72%	7.36%	4.37%	14.02%	33.37%	13.27%	3.15%	11.89%	100.00%
2	НІТАСНІ	SAMSUNG ELECTRONICS	ALIBABA	FNCL 30YR FIXED	US 5 Year Note (CBT) Mar18	UNITED STATES TREASURY DTD	CENTENE CORP	TSV INFL IX N/B	× / / /
MATURITY	N/A	N/A	N/A	1/15/2040	3/30/2018	2/15/2026	5/15/2022	₽/X	K K
Market Value	\$885,855	\$1,785,722	\$938,937	\$13,530,709	\$43.398.265	\$12,843,500	\$891.026	\$7,431,501	80
Book Value	N/A	N/A	N/A	N/A	N/A	N/N	N/A	N/A	80
Percent of Fund	2.35%	5.08%	3.44%	11.38%	22.90%	10.23%	2.86%	10.16%	0.00%
8	BNP PARIBAS	HDFC BANK	SAMSUNG ELECTRONICS	UNITED STATES TREASURY DTD	US 10 Year Note (CBT) Mar18	UNITED STATES TREASURY DTD	DREYFUS QII GOV CASH MGMT	AUSTRALIAN GOVERNMENT	K/Z
MATURITY	N/A	N/A	N/A	5/15/2045	3/21/2018	8/15/2026	N/A	N/A	N/A
Market Value	\$870,777	\$1,754,085	\$772,439	\$9,666,491	\$29,601,786	\$7,815,284	\$828,717	\$5,873,519	80
Book Value	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	80
Percent of Fund	2.31%	4.99%	2.83%	8.13%	15.62%	6.22%	2.66%	8.03%	0.00%
TOTAL:	\$37,695,977.00	\$35,152,000.00	\$27,294,671.00	\$118,899,024.00	\$189,512,075.00	\$125,914,029.00	\$31,154,757.00	\$73,144,691.00	\$105,299,578

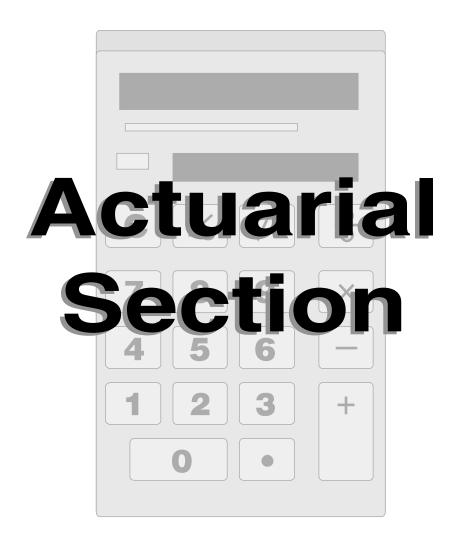
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Investment Summary Year Ended December 31, 2017

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	December 31, 2017				
Type of Investment	Cost Value		Fair Value		% of Total
Cash and Short Term Investments	\$ 1	41,095,795	\$	141,095,795	6.9%
Investments:					
Equity Securities - Diversified	2	71,360,495		349,431,987	17.0%
Equity Securities - Foreign		37,420,127		49,452,074	2.4%
Equity Mutual Funds	4	57,240,821		681,369,109	33.1%
International Equity Mutual Funds		80,333,893		116,523,792	5.7%
Fixed Income Mutual Funds	3	77,943,575		412,708,994	20.0%
Real Estate Investment Trusts		2,025,042		1,715,246	0.1%
U.S. Government Obligations		82,205,212		82,198,861	4.0%
Corporate Bonds		29,897,940		29,992,781	1.5%
Mortgage-Backed Securities		12,855,442		12,589,085	0.6%
Alternative Investments	1	71,482,693		179,936,628	8.7%
	\$ 1,5	22,765,239	\$	1,915,918,557	* 93.0%
Land and Building		2,356,706		2,356,706	0.1%
Total Investments	\$ 1,6	66,217,740	\$	2,059,371,058	100.0%
Type of Investment	Decembe Cost Value		er 31, 2016 Fair Value		% of Total
Cash and Short Term Investments	\$ 1	39,403,804	\$	139,403,804	6.8%
Investments:					
U.S. Government Obligations		75,409,357		74,709,127	3.6%
Corporate Obligations		24,854,684		23,787,628	1.2%
Foreign Bonds		-		-	0.0%
Fixed Income Collective Trusts	2	27,865,713		247,257,602	12.0%
Common and Preferred Stocks	2	58,764,846		315,743,888	15.3%
Special Situation Properties, etc.	3	42,400,397		349,078,396	17.0%
Equity Mutual Collective Trusts	3	50,267,342		605,243,531	29.4%
Real Estate Investment				-	0.0%
	\$ 1,2	79,562,339	\$	1,615,820,172	* 78.5%
Land and Building		2,395,153		2,395,153	0.1%
Total Investments	\$ 1,4	21,361,296	\$	1,757,619,129	85.4%

^{*} Per Statements of Fiduciary Net Position on Pages 24 & 25.



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May 8, 2018

Consultants & Actuaries

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, 2017.

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, 2017, actuarial valuations were made for 874 employer groups. Summary information about the resulting new employer contribution rates is shown in the compiled annual report. Results of the 2017 actuarial valuations indicate that aggregate actuarial accrued liabilities are 71% covered by the actuarial value of assets. This has remained level from last year's result of 71%. The actuarial value of assets is almost 100% of the market value of assets as of December 31, 2017. These results include the 227 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, 2017 valuations were based upon demographic assumptions that were recommended in connection with a study of experience covering the period from January 1, 2012 through December 31, 2016 and the economic assumptions adopted by the Board in December 2017. These assumptions are established by the Board after consulting with the actuary as outlined in A.C.A. 24-10-205(a)(1).

In our professional judgment, the discount rate of 7.50% used in this report deviates materially from the guidance set forth in Actuarial Standard of Practice No. 27 (ASOP No. 27). The September 7, 2017 experience study presentation covering the period from January 1, 2012 through December 31, 2016 included an analysis of the long-term rate of investment return and inflation assumptions and suggested that an investment return assumption in the range of 6.25% to 7.0% would be reasonable. Please see our report dated September 29, 2017 for additional information.

Further discussion occurred during the December 7, 2017 Board meeting where a 7.25% discount rate was considered and also determined to be reasonable. If a discount rate which was determined to be reasonable were used in this valuation instead of 7.5%, the unfunded liability would be higher and either the contribution or amortization period would be higher as well. For example, the amortization period based on a 7.0% discount rate would be 34 years for paid and 26 years for volunteer.

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 demographic 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, 2017 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,

Daviel K. Hofman

David L. Hoffman

Heidi G. Barry, ASA, FCA, MAAA

Heidi & Barry

DLH/HGB:ah

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) with the exception of the economic assumptions. The economic assumptions for purposes of the GASB Accounting reports were selected by the actuary based on the results of an experience study covering the period from January 1, 2012 through December 31, 2016.

ECONOMIC ASSUMPTIONS -----

The investment return rate used in the valuation was 7.00% 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 3.25% wage inflation assumption, the 7.00% investment return rate translates to an assumed real rate of return of 3.75%.

Price inflation was assumed to be 2.50% 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 3.25% recognizes wage inflation.

Total active member payroll is assumed to increase 3.25% a year, which is the portion of the individual pay increase assumptions attributable to wage inflation.

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

NON-ECONOMIC ASSUMPTIONS -----

The mortality tables used to measure retired life mortality were the RP-2014 Healthy Annuitant benefit weighted generational mortality tables for males and females. The disability post-retirement mortality tables used were the RP-2014 Disabled Retiree benefit weighted generational mortality tables for males and females. The death-in-service mortality tables used were the RP-2014 Employee benefit weighted generational mortality tables for males and females. Fifty percent of deaths-in-service were assumed to be duty related. The tables applied credibility adjustments of 135% for males and 125% for females and were adjusted for fully generational mortality improvements using Scale MP-2016. Related retired life mortality values are shown in Schedule A-1.

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 \$6.68 effective July 1, 2018 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 \$10.83 effective July 1, 2018 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 r eported.

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 Plans)

			Active Membe	rs*		Inflation
Paid Police	Valuation		Annual	Average	%	Increase %
Covered by Social Security	Groups	Number	Payroll	Pay	Increase	(CPI)
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
12/31/2017	182	2,196	94,895,150	43,213	1.5	2.1

^{*} Includes DROP participants, if any.

LOPFI Covered Groups and Covered Persons (Excluding Local Plans)

(Continued)

			Active Membe	rs*		Inflation
Paid Police	Valuation		Annual	Average	%	Increase %
Not Covered by Social Security	Groups	Number	Payroll	Pay	Increase	(CPI)
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
12/31/2017	14	1,635	93,831,833	57,390	3.4	2.1

^{*} Includes DROP participants, if any.

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

			Active Membe	rs*		Inflation
Paid Fire	Valuation		Annual	Average	%	Increase %
Covered by Social Security	Groups	Number	Payroll	Pay	Increase	(CPI)
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
12/31/2017	27	126	5,486,384	43,543	2.1	2.1

^{*} Includes DROP participants, if any.

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

			Active Members*			Inflation
Paid Fire	Valuation		Annual	Average	%	Increase %
Not Covered by Social Security	Groups	Number	Payroll	Pay	Increase	(CPI)
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	1003	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
12/31/2017	62	2,694	144,407,370	53,603	2.1	2.1

^{*} Includes DROP participants, if any.

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

			Active Members	S*		Inflation
	Valuation		Annual	Average	%	Increase %
Total Paid	Groups	Number	Payroll	Pay	Increase	(CPI)
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
12/31/2017	285	6,651	338,620,737	50,913	2.3	2.1

^{*} Includes DROP participants, if any.

LOPFI Covered Groups and Covered Persons (Excluding Local Plans)

(Continued)

			Active Mem	bers		Inflation
	Valuation		Annual	Average	%	Increase %
Volunteer Police	Groups*	Number	Payroll	Pay	Increase	(CPI)
12/31/1985	2	2	N/A	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
12/31/2017	108	408				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 Covered Groups and Covered Persons (Excluding Local Plans) (Continued)

			Active Mem	bers		Inflation
	Valuation		Annual	Average	%	Increase %
Volunteer Fire	Groups*	Number	Payroll	Pay	Increase	(CPI)
12/31/1985	166	756	N/A	N/A	N/A	N/A
12/31/1986	185	1020				N/A
12/31/1987	202	1238				N/A
12/31/1988	207	1422				N/A
12/31/1989	215	1623				N/A
12/31/1990	218	1823				N/A
12/31/1991	226	2005				3.1
12/31/1992	232	2167				2.9
12/31/1993	237	2370				2.7
12/31/1994	239	2452				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
12/31/2017	471	6,933				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 Covered Groups and Covered Persons (Excluding Local Plans)

(Concluded)

			Active Mem	bers		Inflation
	Valuation		Annual	Average	%	Increase %
Total Volunteer	Groups*	Number	Payroll	Pay	Increase	(CPI)
12/31/1985	168	758	N/A	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
12/31/2017	579	7,341				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 Plans) Paid Service Active Members – December 31, 2017 Attained Age And Years of Service

		Voo	rs of Serv	vice et V	luation I	Data			Totals*
Attained		1 ca	18 01 561	vice at va	iluation 1	Jate		No.	Annual
Age	0-4	5-9	10-14	15-19	20-24	25-29	30 Plus	110.	Payroll
Under 20	6							6	\$ 183,120
20-24	333	21						354	12,783,793
25-29	751	213	43					1,007	40,292,621
30-34	435	367	195	73				1,070	48,012,871
35-39	238	250	335	180	99			1,102	55,595,609
40-44	95	120	199	329	166	95		1,004	56,772,362
45-49	61	76	94	214	311	158	62	976	58,500,254
50-54	29	32	59	76	158	218	75	647	39,463,091
55-59	29	22	43	37	69	121	37	358	20,441,190
60-64	9	13	15	17	16	22	18	110	5,771,875
65-69	1	1	2	5	3	1	2	15	723,644
70+		1					1	2	80,307
Totals	1,987	1,116	985	931	822	615	195	6,651	\$ 338,620,737

Average Age: 39.2 years

Average Service: 12.5 years

Average Pay: \$50,913

As a comparison, 6,551 paid service members participated in LOPFI on December 31, 2016.

^{*} Includes DROP participants.

LOPFI (Excluding Local Plans) Volunteer Service Active Members – December 31, 2017 Attained Age And Years of Service

Attained		Y	ears of Ser	vice at Va	luation Da	ite		
Age	0-4	5-9	10-14	15-19	20-24	25-29	30 Plus	Totals
Under 20	70							70
20-24	563	45						608
25-29	448	316	61					825
30-34	399	250	218	66				933
35-39	291	232	202	170	69			964
40-44	248	176	142	167	131	66		930
45-49	201	156	166	137	132	125	45	962
50-54	154	125	126	104	119	89	76	793
55-59	116	88	100	96	86	48	45	579
60-64	76	61	51	56	50	31	34	359
65-69	44	36	30	31	15	18	14	188
70+	50	21	23	14	10	4	8	130
Totals	2,660	1,506	1,119	841	612	381	222	7,341

Average Age: 41.6 years

Average Service: 10.5 years

As a comparison, 7,391 volunteer service members participated in LOPFI on December 31, 2016.

Computed Employer Contributions For Paid Service Members by Valuation Groups December 31, 2017

			Number of Valuation Groups with Indicated Computed Employer Contributions Expressed as Percents of Active Member Payroll													
Group	Number of Active Members	Under 11.00%		1.00% 12.00% 13.00% 14.00% 15.00% 16.00% 17.00% 18.00% 19.00% 20.00% 21.00% 22.00% 23.00% 19.99% -12.99% -13.99% -14.99% -15.99% -16.99% -17.99% -18.99% -19.99% -20.99% -21.99% -22.99% & Above Tolerandor 10.00%												
Paid Police W/SS W/O SS	2,196 1,635	1 -	-	-	1 -	1 -	1 2	2	2 2	9	4 1	8 2	11 3	16	126 2	182 14
Paid Fire W/SS W/O SS December 31, 2017 *	126 2,694 6,651	- - 1			- - 1	<u>-</u> 1	3		- 3 7	- 1 11	- - 5	<u>5</u>	1 3 18	1 7 24	25 41 194	27 62 285

st After changes in actuarial valuation assumptions.

			Number of Valuation Groups with Indicated Computed Employer Contributions Expressed as Percents of Active Member Payroll									
Group	Number of Active Members	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	Totals	
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	

^{*} After changes in actuarial valuation assumptions.

[#] After legislated benefit changes.

[#] After legislated benefit changes.

LOPFI
Computed Employer Contributions
For Volunteer Service Members by Valuation Groups
December 31, 2017

Group	Number of Active Members	Totals
Volunteer Police	408	108
Volunteer Fire	6,933	471
December 31, 2017	7,341	579
December 31, 2016	7,391	573
December 31, 2015 *	7,304	566
December 31, 2014	7,347	554
December 31, 2013	7,140	534
December 31, 2012	7,029	511
December 31, 2011	7,034	512
December 31, 2010	6,734	485
December 31, 2009	6,551	468
December 31, 2008 *#	6,603	457

^{*} 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	29	\$ 1,519,624
Bella Vista Paid Fire	50	2,636,056
Fayetteville Paid Police	129	7,194,063
Fayetteville Paid Fire	118	7,573,248
Hot Springs Paid Police	105	5,663,442
Hot Springs Paid Fire	88	4,241,821
Marion Paid Police	29	1,093,203
Total BP2	548	\$ 29,921,457

^{*} Includes DROP participants, if any.

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

Year Ended December 31:	2013	2014	2015	2016	2017
A. Funding Value Beginning of Year	\$1,169,357,127	\$1,391,830,575	\$1,554,175,988	\$1,702,593,072	\$1,857,485,451
B. Market Value End of Year	1,467,975,980	1,610,091,699	1,646,678,312	1,770,838,998	2,074,618,439
C. Market Value Beginning of Year	1,158,753,904	1,467,975,980	1,610,091,699	1,646,678,312	1,770,838,998
D. Non-Investment Net Cash Flow	99,797,352	37,152,170	37,416,976	28,455,864	53,667,520
E. Investment Income E1. Market Total: B - C - D	209,424,724	104,963,549	(830,363)	95,704,822	250,111,921
E1(a). Assumed Rate 01 Return E2 Amount for Immediate Recognition	8.0% 97 540 464	8.0% 112 832 533	8.0% 125 830 748	133 053 628	146 034 739
E3. Amount for Phased-In Recognition E1-E2	111,884,260	(7,868,984)	(126,661,111)	(37,348,806)	104,077,182
F. Phased-In Recognition of Investment Income F1. Current Year: 0.20 x E3	22,376,852	(1,573,797)	(25,332,222)	(7,469,761)	20,815,436
F2. First Prior Year	5,381,814	22,376,852	(1,573,797)	(25,332,222)	(7,469,761)
F3. Second Prior Year	(15,683,289)	5,381,814	22,376,852	(1,573,797)	(25,332,222)
F4. Third Prior Year	1,859,130	(15,683,289)	5,381,814	22,376,852	(1,573,797)
F5. Fourth Prior Year	11,201,125	1,859,130	(15,683,287)	5,381,815	22,376,852
F6. Total Recognized Investment Gain	25,135,632	12,360,710	(14,830,640)	(6,617,113)	8,816,508
G. Funding Value End of Year: A + D + E2 + F6	1,391,830,575	1,554,175,988	1,702,593,072	1,857,485,451	2,066,004,218
120% Corridor	1,761,571,176	1,932,110,039	1,976,013,974	2,125,006,798	2,489,542,127
80% Corridor	1,174,380,784	1,288,073,359	1,317,342,650	1,416,671,198	1,659,694,751
Funding Value End of Year:	1,391,830,575	1,554,175,988	1,702,593,072	1,857,485,451	2,066,004,218
H. Difference between Market & Funding Value	76,145,405	55,915,711	(55,914,760)	(86,646,453)	8,614,221
I. Recognized Rate of Return	10.06%	8.88%	7.06%	7.36%	8.22%
J. Market Rate of Return	17.33%	7.06%	(0.05%)	2.76%	13.91%
K. Ratio of Funding Value to Market Value	94.81%	96.53%	103.40%	104.89%	%85'66

LOPFI
Reported Accrued Assets Available for Benefits
December 31, 2017

Group Type	No. #	Employer Accumulation Account	Members' Deposit Account	Retirement Reserve Account &	Total @
Paid Police W/SS	182	121,219,818	16,254,570	_	137,474,388
Paid Police W/O SS	14	228,531,338	83,612,289	_	312,143,627
Paid Fire W/SS Paid Fire W/O SS	27 62	7,609,311 405,445,087	1,902,664 127,459,279	- -	9,511,975 532,904,366
Subtotal	285	762,805,554	229,228,802	-	992,034,356
Volunteer Police and Fire	579	41,939,756	-	-	41,939,756
Retirants and Beneficiaries		_		825,416,781	825,416,781
Total	864	804,745,310	229,228,802	825,416,781	1,859,390,893

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, 2017. Totals include accounts for employers with no active participants as of December 31, 2017.

[@] Does not include assets of \$215,227,546 invested by LOPFI on behalf of Relief and Pension Funds under LOPF administration.

[&]amp; Includes DROP Reserve Account.

LOPFI and Local Plan Schedule of Funding Progress

Actuariai Valuation Date	A	Actuarial Value of Assets (a)	Entr Actuaria Liabilit	Entry Age Actuarial Accrued Liability (AAL) (b)	Unfund (UA	Infunded AAL (UAAL) (c) = (b) - (a)	Funded Ratio (d) = (a)/(b)	An	nnual Covered Payroll (e)	Percentage of Covered Payroll (f) = (c)/(e)
12/31/2005	8	653,546,976	\$	842,926,984	\$ 18	80,380,008	78%	S	207,890,440	91%
12/31/2006	S	724,746,827	- ∽	927,816,659	\$ 20	03,069,832	78%	S	222,107,556	91%
12/31/2007	S	827,546,002	\$ 1,	,054,599,720	\$ 22	27,053,718	78%	S	235,337,218	%96
12/31/2008 *+	S	788,633,082	\$ 1,	,200,515,663	\$ 41	111,882,581	%99	S	245,775,341	168%
12/31/2009	8	878,958,364	\$ 1,	,379,093,412	\$ 50	500,135,048	64%	S	265,123,993	189%
12/31/2010	8	982,154,992	\$ 1,	,519,527,855	\$ 53	537,372,863	%59	S	268,424,127	200%
12/31/2011	8	1,070,685,918	\$ 1,	,654,156,087	\$ 58	583,470,169	%59	S	275,850,081	212%
12/31/2012 *+	8	1,169,357,127	\$ 1,	,805,815,641	\$ 63	6,458,514	%59	S	284,595,308	224%
12/31/2013	8	1,391,830,575	\$ 2,	,069,345,139	\$ 8	577,514,564	%29	S	298,805,693	227%
12/31/2014	S	1,554,175,988	\$ 2,	,235,441,597	89 \$	81,265,609	%02	S	307,760,404	221%
12/31/2015 +	S	1,702,593,072	\$ 2,	,455,768,287	\$ 75	753,175,215	%69	S	317,133,046	237%
12/31/2016	8	1,857,485,451	\$ 2,	,623,115,852	9/ \$	765,630,401	71%	S	326,307,029	235%
12/31/2017 +	S	2,066,004,218	\$ 2,	,892,057,540	\$ 82	326,053,322	71%	S	338,837,262	244%

^{*} After legislated benefit increases for LOPFI members + After changes in acturial assumptions

COPFI

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

Paid Participants

			Actuarial	Actuarial		Average	
Valuation Date	Valuation Groups	Active Members	Accrued Liabilities	Valuation Assets	Assets/ Liabilities*	Contribution Rate	Amortization Period
12/31/2005	736	\$ 115	\$ 526 635 441	\$ 483,789,787	% 60	15 04 %	30.0
0007/10/71		0,110	1++,000,020	107,707,707	0/ 7/	0/ +0:01	0.00
12/31/2006		5,328	603,842,363	555,752,156	92	15.11	30.0
12/31/2007	261	5,603	680,800,038	644,631,782	92	15.16	30.0
12/31/2008 #+		5,640	825,417,767	662,380,764	80	15.30	30.0
12/31/2009		5,907	946,423,135	622,560,540	99	17.25	30.0
12/31/2010		5,949	1,012,194,055	664,246,931	99	17.03	30.0
12/31/2011		6,016	1,077,498,958	698,331,958	65	18.01	30.0
12/31/2012 #+		6,139	1,144,065,505	741,339,106	65	18.97	22.3
12/31/2013		6,245	1,234,260,098	830,390,612	29	19.39	19.5
12/31/2014		6,323	1,309,948,715	911,335,468	70	20.12	16.3
12/31/2015 #		6,430	1,411,113,518	937,319,676	99	21.04	18.8
12/31/2016	283	6,551	1,469,152,456	974,820,813	99	21.90	16.8
12/31/2017	285	6,651	1,532,548,147	1,025,140,633	29	22.44	15.5
12/31/2017 #	285	6,651	1,557,008,108	1,013,951,503	99	22.44	17.0

^{*} If this ratio approximates 100%, it indicates that financial activity is operating within an expected range of reasonableness.

[#] After changes in actuarial valuation assumptions.

⁺ After legislated benefit changes and board policy changes

LOPFI

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

Volunteer Participants

			Actuarial	Actuarial		Average	
Valuation Date	Valuation Groups	Active Members	Accrued Liabilities	Valuation Assets	Assets/ Liabilities*	Contribution Rate	Amortization Period
12/31/2005	325	4,650	\$ 26,240,543	\$ 16,517,560	63 %	\$ 32.30	30.0
12/31/2006	341	4,905	30,139,607	18,430,385	61	33.91	30.0
12/31/2007	461	6,620	42,720,023	22,236,583	52	39.15	30.0
12/31/2008 #	457	6,603	47,019,246	17,508,921	37	46.14	30.0
12/31/2009	468	6,551	48,890,402	17,034,083	35	49.15	29.0
12/31/2010	485	6,734	52,068,716	19,655,706	38	49.62	28.0
12/31/2011	512	7,034	56,421,727	21,564,055	38	51.56	27.0
12/31/2012 #	511	7,029	60,215,143	23,703,257	39	53.75	26.0
12/31/2013	534	7,140	63,106,093	28,084,402	45	52.68	25.0
12/31/2014	554	7,347	65,739,819	32,649,827	50	52.68	20.7
12/31/2015 #	999	7,304	68,670,319	33,878,371	49	54.13	21.2
12/31/2016	573	7,391	72,092,819	38,164,014	53	55.62	18.5
12/31/2017	579	7,341	74,935,671	42,348,729	57	57.67	16.0
12/31/2017 #	579	7,341	75,746,636	41,497,711	55	59.00	16.0

^{*} If this ratio approximates 100%, it indicates that financial activity is operating within an expected range of reasonableness.

[#] After changes in actuarial valuation assumptions.

⁺ After legislated benefit changes and board policy changes

LOPFI

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

Retirants and Beneficiaries

Assets/ Liabilities*	% 66	102	106	100	100	100	100	100	100	100	100	100	100	100
Actuarial Valuation Assets	65,115,240	80,827,514	100,568,257	122,445,893	152,859,019	189,166,801	245,094,370	308,554,826	379,284,767	449,064,235	554,983,611	664,379,492	784,503,636	796,543,784
Actuarial Accrued Liabilities	65,530,656 \$	79,179,485	95,286,950	122,445,893	152,859,019	189,166,801	245,094,370	308,554,826	379,284,767	449,064,235	554,983,611	664,379,492	784,503,636	796,543,784
Active Members	•	,												1
Valuation Groups	,						•			•		•	•	1
Valuation Date	12/31/2005	12/31/2006	12/31/2007	12/31/2008 #	12/31/2009	12/31/2010	12/31/2011	12/31/2012 #	12/31/2013	12/31/2014	12/31/2015 #	12/31/2016	12/31/2017	12/31/2017 #

^{*} If this ratio approximates 100%, it indicates that financial activity is operating within an expected range of reasonableness.

[#] After changes in actuarial valuation assumptions.

⁺ After legislated benefit changes and board policy changes

LOPFI

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

TOTAL PLAN

Assets/ Liabilities*	91 %	92	92	81	69	70	70	71	74	92	75	92	77	92
Actuarial Valuation Assets	565,422,082	655,010,055	767,436,622	802,335,578	792,453,642	873,069,438	964,990,383	1,073,597,189	1,237,759,781	1,393,049,530	1,526,181,658	1,677,364,319	1,851,992,998	1,851,992,998
Actuarial Accrued Liabilities	618,406,640	713,161,455	837,807,012	994,882,906	1,148,172,556	1,253,429,572	1,379,015,055	1,512,835,474	1,676,650,958	1,824,752,769	2,034,767,448	2,205,624,767	2,391,987,454	2,429,298,528
Active Members	8 29,765	10,233	12,223	12,243	12,458	12,683	13,050	13,168	13,385	13,670	13,734	13,942	13,992	13,992
Valuation Groups	561	588	722	715	737	759	787	783	908	830	851	856	864	864
Valuation Date	12/31/2005	12/31/2006	12/31/2007	12/31/2008 #+	12/31/2009	12/31/2010	12/31/2011	12/31/2012 #+	12/31/2013	12/31/2014	12/31/2015 #	12/31/2016	12/31/2017	12/31/2017 #

^{*} If this ratio approximates 100%, it indicates that financial activity is operating within an expected range of reasonableness. # After changes in actuarial valuation assumptions.

⁺ After legislated benefit changes and board policy changes

Short Condition Test Comparative Statement

LOPFI Paid Service

	Act	uarial Accrued Liabi	lities for				
Valuation Date	Member Contributions	Current Retirees and Beneficiaries	Active and Inactive Members, Employer Financed Portion	Actuarial Value of		Portion of resent Value vered by Ass	
December 31	(1)	(2)	(3)	Assets	(1)	(2)	(3)
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
2017 +	229,228,802	760,264,654	1,327,779,306	1,774,216,157	100	100	59

Local Paid Service

		Act	uarial	Accrued Liabili	ities f	or	_				
Valuation Date	(Member Contributions		Current Retirees and Beneficiaries	Me	tive and Inactive mbers, Employer inanced Portion		Actuarial Value of	_	Portion of resent Values vered by Asse	•
December 31		(1)		(2)		(3)		Assets	(1)	(2)	(3)
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	-
2017 +		1,274,344		415,623,362		25,783,235		199,957,371	100	48	_

LOPFI Volunteer Service

	 Acti	uaria	l Accrued Liabili	ities f	or					
Valuation Date	Member Contributions		Current Retirees and Beneficiaries	Me	tive and Inactive mbers, Employer inanced Portion	Actuarial Value of	Pro	Portion of esent Value ered by Asse	-	
December 31	(1)		(2)		(3)	Assets	(1)	(2)	(3)	
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	
2017 +	-		36,279,130		75,746,636	77,776,841	-	100	55	

Local Volunteer Service

Valuation Date December 31	Actı	uarial	Accrued Liabili	ities for							
	Member Contributions		Current Retirees and Beneficiaries		ve and Inactive bers, Employer anced Portion	•	Actuarial Value of	Portion of Present Values Covered by Assets			
	(1)	(2)		(3)			Assets	(1)	(2)	(3)	
	\$ 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	-	
2017 +	6,284		19,761,146		310,641		14,053,849	100	71	_	

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

Derivation of Actuarial Gain (Loss) Year Ended December 31, 2017 (LOPFI and Local Plans Combined)

(1)	UAAL* at start of year	\$ 765,630,401
(2)	Employer normal cost from last valuation	34,542,403
(3)	Actual employer contributions	91,549,250
(4)	Interest accrual: (1) $\times .0775 + [(2)-(3)] \times (.0775/2)$	57,127,341
(5)	Expected UAAL before changes: $(1) + (2) - (3) + (4)$	765,750,895
(6)	Change from benefit changes*	11,345,230
(7)	Change from revised actuarial assumptions	41,661,930
(8)	Expected UAAL after changes	818,758,055
(9)	Actual UAAL at end of year	826,053,322
(10)	Gain (loss) (8) - (9)	(7,295,267)
(11)	Gain (loss) as percent of actuarial accrued	
	liabilities at start of year \$2,623,115,852	(0.3)%

Valuation	
Date	Actuarial Gain (Loss) as a Percentage
December 31	of Beginning Accrued Liabilities
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)
2017	(0.3)

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

Arkansas <u>LO</u>cal <u>P</u>olice and <u>FI</u>re Retirement System Brief Summary as of December 31, 2017 of LOPFI Coverage for <u>BENEFIT PROGRAM 1 PAID SERVICE</u>

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 2017 was \$1,382.

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.

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	LOPFI BE	NEFIT (2)		
Pay (FAP) ⁽¹⁾	\$	% of FAP		
32 Years of Service (3)				
\$ 2,400	\$ 2,258	94 %		
3,000	2,822	94		
3,600	3,387	94		
4,200	3,951	94		
4,800	4,516	94		
28 Years of Service (3)				
\$ 2,400	\$ 1,976	82 %		
3,000	2,470	82		
3,600	2,964	82		
4,200	3,457	82		
4,800	3,951	82		
20 Years of Service (3)				
\$ 2,400	\$ 1,411	59 %		
3,000	1,764	59		
3,600	2,117	59		
4,200	2,470	59		
4,800	2,822	59		

^{(1) &}quot;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.

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					Esti	imated	Estimated Monthly					
Average	LOPFI Benefit ⁽³⁾			Social		Total				Percent of FAP		
Pay (FAP) (1)	To SSRA		At SSRA		Security (2)		To	To SSRA		SSRA	To SSRA	At SSRA
32 Years of Service (4)												
\$2,400	\$	2,258	\$	1,490	\$	962	\$	2,258	\$	2,452	94 %	102 %
3,000		2,822		1,862		1,070		2,822		2,932	94	98
3,600		3,387		2,235		1,179		3,387		3,414	94	95
4,200		3,951		2,607		1,285		3,951		3,892	94	93
4,800		4,516		2,980		1,394		4,516		4,374	94	91
28 Years of Service (4)												
\$2,400	\$	1,976	\$	1,304	\$	962	\$	1,976	\$	2,266	82 %	94 %
3,000		2,470		1,630		1,070		2,470		2,700	82	90
3,600		2,964		1,956		1,179		2,964		3,135	82	87
4,200		3,457		2,281		1,285		3,457		3,566	82	85
4,800		3,951		2,607		1,394		3,951		4,001	82	83
20 Years of Service (4)												
\$2,400	\$	1,411	\$	931	\$	962	\$	1,411	\$	1,893	59 %	79 %
3,000		1,764		1,164		1,070		1,764		2,234	59	74
3,600		2,117		1,397		1,179		2,117		2,576	59	72
4,200		2,470		1,630		1,285		2,470		2,915	59	69
4,800		2,822		1,862		1,394		2,822		3,256	59	68

^{(1) &}quot;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) &}quot;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 2018 Social Security estimates for a participant who retired in 2009 at age 56.

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					Esti	mated	Estimated Monthly						
Average	LOPFI Benefit (3)				Social		Total				Percent of FAP		
Pay (FAP) (1)	To SSRA		At SSRA		Security (2)		To	To SSRA		t SSRA	To SSRA	At SSRA	
32 Years of Service (4)													
\$2,400	\$	2,258	\$	2,063	\$	1,675	\$	2,258	\$	3,738	94 %	119 %	
3,000		2,822		2,577		1,912		2,822		4,489	94	114	
3,600		3,387		3,094		2,145		3,387		5,239	94	111	
4,200		3,951		3,609		2,382		3,951		5,991	94	109	
4,800		4,516		4,125		2,616		4,516		6,741	94	107	
28 Years of Service (4)													
\$2,400	\$	1,976	\$	1,805	\$	1,675	\$	1,976	\$	3,480	82 %	111 %	
3,000		2,470		2,256		1,912		2,470		4,168	82	106	
3,600		2,964		2,708		2,145		2,964		4,853	82	103	
4,200		3,457		3,157		2,382		3,457		5,539	82	101	
4,800		3,951		3,609		2,616		3,951		6,225	82	99	
20 Years of Service (4)													
\$2,400	\$	1,411	\$	1,289	\$	1,675	\$	1,411	\$	2,964	59 %	94 %	
3,000		1,764		1,611		1,912		1,764		3,523	59	90	
3,600		2,117		1,934		2,145		2,117		4,079	59	86	
4,200		2,470		2,256		2,382		2,470		4,638	59	84	
4,800		2,822		2,577		2,616		2,822		5,193	59	82	

^{(1) &}quot;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) &}quot;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 2029 Social Security estimates for a participant who retires in 2018 at age 56. All future benefits are in future dollars.

Arkansas LOcal Police and FIre Retirement System Brief Summary as of December 31, 2017 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 <u>LO</u>cal <u>P</u>olice and <u>FI</u>re Retirement System Brief Summary as of December 31, 2017 of LOPFI Coverage for <u>VOLUNTEER SERVICE</u>

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 2017 was \$1,382.

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, 2017 valuations was \$6.68 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, 2017 valuations was \$10.83 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 17.0-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
2017	\$ 100,000	9.64%	12.80%	22.44%	\$ 22,440
2018	103,250	9.64%	12.80%	22.44%	23,169
2019	106,606	9.64%	12.80%	22.44%	23,922
2020	110,070	9.64%	12.80%	22.44%	24,700
2021	113,648	9.64%	12.80%	22.44%	25,503
2022	117,341	9.64%	12.80%	22.44%	26,331
2023	121,155	9.64%	12.80%	22.44%	27,187
2024	125,092	9.64%	12.80%	22.44%	28,071
2025	129,158	9.64%	12.80%	22.44%	28,983
2026	133,355	9.64%	12.80%	22.44%	29,925
2027	137,689	9.64%	12.80%	22.44%	30,898
2028	142,164	9.64%	12.80%	22.44%	31,902
2029	146,785	9.64%	12.80%	22.44%	32,938
2030	151,555	9.64%	12.80%	22.44%	34,009
2031	156,481	9.64%	12.80%	22.44%	35,114
2032	161,566	9.64%	12.80%	22.44%	36,255
2033	166,817	9.64%	12.80%	22.44%	37,434
2034	172,239	9.64%	12.80%	22.44%	38,650
2035	177,837	9.64%	12.80%	22.44%	39,907
2036	183,616	9.64%	0.00%	9.64%	17,701
2037	189,584	9.64%	0.00%	9.64%	18,276
2038	195,745	9.64%	0.00%	9.64%	18,870
2039	202,107	9.64%	0.00%	9.64%	19,483
2040	208,675	9.64%	0.00%	9.64%	20,116
2041	215,457	9.64%	0.00%	9.64%	20,770
2042	222,460	9.64%	0.00%	9.64%	21,445
2043	229,690	9.64%	0.00%	9.64%	22,142
2044	237,155	9.64%	0.00%	9.64%	22,862
2045	244,862	9.64%	0.00%	9.64%	23,605

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 16.0-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	ormal Cost	nyment for nortization of UAL	M En	mputed onthly iployer Rate	Em D	nnual ployer ollar ribution
2017	\$ 6.68	10	\$ 23.90	\$ 35.10	\$	59.00	\$	7,080
2018	6.85	10	24.50	35.10		59.60		7,152
2019	7.02	10	25.11	35.10		60.21		7,225
2020	7.20	10	25.74	35.10		60.84		7,301
2021	7.38	10	26.38	35.10		61.48		7,378
2022	7.56	10	27.04	35.10		62.14		7,457
2023	7.75	10	27.72	35.10		62.82		7,538
2024	7.94	10	28.41	35.10		63.51		7,621
2025	8.14	10	29.12	35.10		64.22		7,706
2026	8.34	10	29.85	35.10		64.95		7,794
2027	8.55	10	30.60	35.10		65.70		7,884
2028	8.76	10	31.37	35.10		66.47		7,976
2029	8.98	10	32.15	35.10		67.25		8,070
2030	9.20	10	32.95	35.10		68.05		8,166
2031	9.43	10	33.77	35.10		68.87		8,264
2032	9.67	10	34.61	35.10		69.71		8,365
2033	9.91	10	35.48	35.10		70.58		8,470
2034	10.16	10	36.37	35.10		71.47		8,576
2035	10.41	10	37.28	35.10		72.38		8,686
2036	10.67	10	38.21	0.00		38.21		4,585
2037	10.94	10	39.17	0.00		39.17		4,700
2038	11.21	10	40.15	0.00		40.15		4,818
2039	11.49	10	41.15	0.00		41.15		4,938
2040	11.78	10	42.18	0.00		42.18		5,062
2041	12.07	10	43.23	0.00		43.23		5,188
2042	12.37	10	44.31	0.00		44.31		5,317
2043	12.68	10	45.42	0.00		45.42		5,450

[@] 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 \$6.68 effective July 1, 2018. For purposes for this illustration, the factor was assumed to increase by 2.50% 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-2014 Healthy Annuitant Generational Mortality Tables and 7.00% Interest

Sample	Probability of Dying		Value at Retirement		Future Life Expectancy (years)*					
Attained	Next Y	ear*	\$1.00 Mont	hly for Life	2	017	2	022	2	027
Ages	Men V	Nomen	Men	Women	Men	Women	Men	Women	Men	Women
35	0.174%	0.136%	\$ 163.22	\$ 166.15	46.22	49.91	46.77	50.43	47.33	50.95
40	0.255%	0.208%	158.87	162.78	41.13	44.81	41.66	45.30	42.20	45.81
45	0.368%	0.265%	153.40	158.53	36.18	39.81	36.70	40.29	37.22	40.78
50	0.544%	0.339%	146.54	152.89	31.38	34.87	31.90	35.35	32.40	35.82
55	0.779%	0.472%	138.23	145.48	26.80	30.03	27.29	30.49	27.77	30.94
60	1.083%	0.701%	128.18	136.26	22.45	25.38	22.89	25.79	23.33	26.23
65	1.553%	1.050%	116.18	125.01	18.36	20.97	18.73	21.34	19.13	21.74
70	2.326%	1.638%	102.01	111.32	14.55	16.80	14.87	17.15	15.21	17.51
75	3.719%	2.680%	85.70	95.26	11.05	12.94	11.34	13.27	11.64	13.59
80	6.268%	4.570%	68.14	77.54	7.98	9.53	8.24	9.81	8.49	10.08

^{*} Life expectancies in future years are determined by the fully generational MP-2016 projection scale.

Sample Attained	Benefit Increasing	Portion of Age 55	Sample Attained
Ages	3.00% Yearly	Lives Still Alive	Ages
55	\$100	100 %	55
60	116	95	60
65	134	89	65
70	156	81	70
75	181	69	75
80	209	53	80

Schedule A-2 Probabilities of Disability Retirement

Paid Service Members (First Used for December 31, 2017 Valuations)

Samula	Percent Becoming Disabled				
Sample	within Next Year				
Ages	Non-Duty	Duty			
20	0.07 %	0.12 %			
25	0.07	0.12			
30	0.10	0.15			
35	0.13	0.21			
40	0.20	0.32			
45	0.31	0.49			
50	0.52	0.84			
55	0.91	1.45			
60	1.36	2.18			

Volunteer Service Members (First Used for December 31, 2017 Valuations)

		Percent Becoming Disabled				
	Sample	within Next Year				
_	Ages	Non-Duty	Duty			
	20	0.04 %	0.00 %			
	25	0.04	0.00			
	30	0.04	0.00			
	35	0.04	0.00			
	40	0.09	0.01			
	45	0.12	0.01			
	50	0.23	0.02			
	55	0.41	0.04			
	60	0.65	0.06			

Schedule A-3 Probabilities of Retirement for Members Eligible to Retire

Paid Service Members (First Used for December 31, 2017 Valuations)

	Perce	ents of		
	Active Mem	bers Retiring		Percents of
Retirement	within N	lext Year	Years of	Active Members Retiring
Ages	Early	Normal	Service	within Next Year
45-49	6 %			
50-54	6			
55		18 %	28	20 %
56		15	29	15
57		15	30	15
58		15	31	15
59		15	32	15
60		20	33	25
61		15	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)

Volunteer Service Members (First Used for December 31, 2017 Valuations)

Percents of Active Members Retiring within Next Year

Retirement Ages	Early	Normal
Under 50		18 %
50-54	2.5 %	18
55-59		15
60-64		10
65-69		15
70-74		20
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

Paid Service Members (First Used for December 31, 2017 Valuations)

Sample Years of		% of Active Members			
Ages	Service	Separating within Next Year			
ALL	0	18.00 %			
	1	16.00			
	2	13.00			
	3	11.00			
	4	10.00			
25	5 & Over	9.42			
30		7.92			
35		6.07			
40		4.84			
45		3.87			
50		3.08			
55		0.88			
60		0.00			

Volunteer Service Members (First Used for December 31, 2017 Valuations)

Sample	Years of	% of Active Members		
Ages	Service	Separating within Next Year		
ALL	0	23.00 %		
	1	21.00		
	2	19.00		
	3	17.00		
	4	15.00		
25	5 & Over	9.50		
30		9.50		
35		9.50		
40		9.50		
45		9.50		
50		9.50		
55		9.50		
60		9.50		

Schedule A-5 Pay Increase Assumptions for an Individual

Paid Service Member (First Used for December 31, 2017 Valuations)

Pay Increase Assumptions for an Individual Member

	for	an Individual Mei	mber
Service	Merit and	Base	Increase
Years	Seniority	(Economic)	Next Year
	45.000/	2 252/	10.050/
1	15.00%	3.25%	18.25%
2	9.00%	3.25%	12.25%
3	4.00%	3.25%	7.25%
4	3.00%	3.25%	6.25%
5	2.00%	3.25%	5.25%
6	1.50%	3.25%	4.75%
7	1.50%	3.25%	4.75%
8	1.50%	3.25%	4.75%
9	1.00%	3.25%	4.25%
10	1.00%	3.25%	4.25%
11	0.50%	3.25%	3.75%
12	0.50%	3.25%	3.75%
13	0.50%	3.25%	3.75%
14	0.50%	3.25%	3.75%
15	0.50%	3.25%	3.75%
16	0.50%	3.25%	3.75%
17	0.50%	3.25%	3.75%
18	0.50%	3.25%	3.75%
19	0.50%	3.25%	3.75%
20+	0.50%	3.25%	3.75%

Investment Return and Inflation

Long-Term Expected Return on Plan Assets

Information about the assumed rate of investment return is included in the 2012-2016 five-year experience study. The assumed rate of investment return of 7.0% 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 as of December 31, 2017, these best estimates are summarized in the following table:

Asset Allocation

		Long-Term Expected	Allocation-Weighted Long-Term Expected
Asset Class	Target Allocation	Real Rate of Return	Real Rate of Return
Fixed Income	27.00%	0.78%	0.21%
Domestic Equity	42.00%	5.58%	2.34%
Foreign Equity	18.00%	7.38%	1.33%
Alternative Investments	10.00%	6.23%	0.62%
Cash	3.00%	0.00%	0.00%
Total	100.00%		4.50%
Expected Inflation			2.50%
Total Return			7.00%

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 2017 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: 2017 Social Security Trustees' Report (p. 9).

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

LOPFI Paid Service

									Av	Average
	1	Ad	lded	Rer	Removed	End	End of Year	% Increase		%
		No.	Annual Allowance	No.	Annual Allowance	No.	Annual Allowance	in Annual Allowance	Annual Allowance	Increase in Allowance
December 31, 2008	Retirement Survivor of active Survivor of retired	120 7 1	\$ 1,896,855 50,387 4,408	6 \$	25,908	618 \$ 75 21	9,191,906 411,798 133,551	25.56 13.94 (2.78)	\$ 14,874 5,491 6,360	2.40 3.31 1.86
December 31, 2009	Retirement Survivor of active Survivor of retired	106 14 3	2,288,426 106,529 26,940	13	136,647 13,914 4,677	711 86 23	11,343,685 504,413 155,814	23.41 22.49 16.67	15,955 5,865 6,775	7.27 6.81 6.53
December 31, 2010	Retirement Survivor of active Survivor of retired	138 10 25	2,819,765 100,894 191,680	111 8 119	144,330 62,685 144,024	838 88 29	14,019,120 542,622 203,470	23.59 7.58 30.59	16,729 6,166 7,016	4.85 5.13 3.56
December 31, 2011	Retirement Survivor of active Survivor of retired	193 111 7	4,940,414 63,152 66,463	12 4	88,382 28,540 6,838	1,019 95 35	18,871,152 577,234 263,095	34.61 6.38 29.30	18,519 6,076 7,517	10.70 (1.46) 7.14
December 31, 2012	Retirement Survivor of active Survivor of retired	244 6 9	4,714,486 60,138 107,013	14 9	140,145 30,482 44,081	1,249 92 41	23,445,493 606,890 326,027	24.24 5.14 23.92	18,771 6,597 7,952	1.36 8.57 5.79
December 31, 2013	Retirement Survivor of active Survivor of retired	266	6,777,411 67,790 71,254	14 2	186,507 4,286 48,476	1,501 99 47	30,036,397 670,394 348,805	28.11 10.46 6.99	20,011 6,772 7,421	6.61 2.65 (6.68)
December 31, 2014	Retirement Survivor of active Survivor of retired	282 6 12	7,947,806 59,054 223,965	28 5	409,987 23,887 2,251	1,755 100 58	37,574,216 705,561 570,519	25.10 5.25 63.56	21,410 7,056 9,837	6.99 4.19 32.56
December 31, 2015	Retirement Survivor of active Survivor of retired	311 5 13	8,567,006 52,935 217,911	17 8 4	369,053 38,557 18,596	2,049 97 67	45,772,169 719,939 769,834	21.82 2.04 34.94	22,339 7,422 11,490	4.34 5.19 16.80
December 31, 2016	Retirement Survivor of active Survivor of retired	358 1 16	9,667,785 41,255 236,963	33	412,922 21,630 21,003	2,374 95 79	55,027,032 739,564 985,794	20.22 2.73 28.05	23,179 7,785 12,478	3.76 4.89 8.60
December 31, 2017	Retirement Survivor of active Survivor of retired	352 11 21	9,567,871 102,949 281,874	33	457,772 19,030 161,825	2,693 101 95	64,137,131 823,483 1,105,843	16.56 11.35 12.18	23,816 8,153 11,640	2.75 4.73 (6.72)

* Includes DROP members.

Continued on next page

Retirants and Beneficiaries Added to and Removed From Rolls

Comparative Statement

(Continued)

LOPFI Volunteer Service

			,	1	,	,			Ave	Average
	1	Ad	Added	Rei	Removed	End	End of Year	% Increase		%
		No.	Annual Allowance	No.	Annual Allowance	No.	Annual Allowance	in Annual Allowance	Annual Allowance	Increase in Allowance
December 31, 2008	Retirement Survivor of active Survivor of retired	106 15 6	\$ 134,401 4,235 5,511	9 \$ 2 1	6,415 452 375	463 \$ 54 24	478,136 18,898 16,294	36.55 25.03 46.03	\$ 1,033 350 679	7.94 (5.15) 15.67
December 31, 2009	Retirement Survivor of active Survivor of retired	272 14 13	359,520 4,482 12,309	41 2 4	10,099 873 1,227	721 66 33	827,557 22,507 27,376	73.08 19.10 68.01	1,148 341 830	11.13 (2.57) 22.24
December 31, 2010	Retirement Survivor of active Survivor of retired	182 12 29	213,270 5,150 25,603	16 3 20	15,511 1,464 15,326	887 75 42	1,025,316 26,193 37,653	23.90 16.38 37.54	1,156 349 897	0.70 2.35 8.07
December 31, 2011	Retirement Survivor of active Survivor of retired	195 21 18	232,470 9,896 16,523	18	17,746	1,064 96 58	1,240,040 36,089 53,405	20.94 37.78 41.83	1,165 376 921	0.78 7.74 2.68
December 31, 2012	Retirement Survivor of active Survivor of retired	215 15 14	229,048 3,735 15,241	25 ° 8 4	25,481 868 3,162	1,255 108 68	1,443,607 38,956 65,484	16.42 7.94 22.62	1,150 361 963	(1.29) (3.99) 4.56
December 31, 2013	Retirement Survivor of active Survivor of retired	234 21 26	274,185 7,185 29,008	27 7 3	30,879 2,099 1,758	1,462 122 91	1,686,913 44,042 92,734	16.85 13.06 41.61	1,154 361 1,019	0.35 0.00 5.82
December 31, 2014	Retirement Survivor of active Survivor of retired	241 16 18	276,068 4,151 18,571	22 6 10	24,459 2,208 13,075	1,681 132 99	1,938,522 45,985 98,230	14.92 4.41 5.93	1,153 348 992	(0.09) (3.60) (2.65)
December 31, 2015	Retirement Survivor of active Survivor of retired	251 11 22	339,418 3,182 20,746	33	36,715 1,574 2,910	1,899 136 116	2,241,225 47,593 116,066	15.62 3.50 18.16	1,180 350 1,001	2.34 0.57 0.91
December 31, 2016	Retirement Survivor of active Survivor of retired	218 22 29	283,941 10,936 35,094	42 6 14	48,527 1,251 14,065	2,075 152 131	2,476,639 57,278 137,095	10.50 20.35 18.12	1,194 377 1,047	1.19 7.71 4.60
December 31, 2017	Retirement Survivor of active Survivor of retired	280 28 17	357,463 8,857 22,702	35	43,329 1,193 11,424	2,320 174 139	2,790,773 64,942 148,373	12.68 13.38 8.23	1,203 373 1,067	0.75 (1.06) 1.91

Continued on next page

Retirants and Beneficiaries* Added to and Removed From Rolls

Comparative Statement

(Continued) Local Paid Service

										Ave	Average
		•	A	Added	Re	Removed	End	End of Year	% Increase		%
			No.	Annual Allowance	No.	Annual Allowance	No.	Annual Allowance	in Annual Allowance	Annual Allowance	Increase in Allowance
December 31, 2008	2008	Retirement Survivor of active Survivor of retired	39 \$ 3 18	1,076,014 83,382 346,417	25 \$ - 22	384,056	810 \$ 7 216	16,412,337 124,763 2,887,102	4.40 201.50 6.37	\$ 20,262 17,823 13,366	2.60 72.29 8.33
December 31, 2009	2009	Retirement Survivor of active Survivor of retired	10 17 20	438,424 227,302 286,266	22 1 29	292,992 1,500 327,986	798 23 207	16,557,769 350,565 2,845,382	0.89 180.98 (1.45)	20,749 15,242 13,746	2.40 (14.48) 2.84
December 31, 2010	2010	Retirement Survivor of active Survivor of retired	118	2,666,918 1,890 2,875,614	28 - 154	406,946 6,122 2,286,964	888 23 240	18,817,741 346,333 3,434,032	13.65 (1.21) 20.69	21,191 15,058 14,308	2.13 (1.21) 4.09
December 31, 2011	2011	Retirement Survivor of active Survivor of retired	34 3 15	991,101 24,618 287,361	21 2 12	321,147 25,746 139,014	901 24 243	19,487,695 345,205 3,582,379	3.56 (0.33) 4.32	21,629 14,384 14,742	2.07 (4.48) 3.03
December 31, 2012	2012	Retirement Survivor of active Survivor of retired	35	1,122,749 2,005 631,844	25 1 19	431,333 4,214 210,681	911 23 252	20,179,111 342,996 4,003,542	3.55 (0.64) 11.76	22,151 14,913 15,887	2.41 3.68 7.77
December 31, 2013	2013	Retirement Survivor of active Survivor of retired	300	8,003,688 70,252 2,151,973	22 4 7	403,589 51,330 76,301	1,189 22 347	27,779,210 361,918 6,079,214	37.66 5.52 51.85	23,364 16,451 17,519	5.48 10.31 10.27
December 31, 2014	2014	Retirement Survivor of active Survivor of retired	34 - 27	1,037,839 3,226 612,017	41 - 18	795,906 - 273,656	1,182 22 356	28,021,143 365,144 6,417,575	0.87 0.89 5.57	23,707 16,597 18,027	1.47 0.89 2.90
December 31, 2015	2015	Retirement Survivor of active Survivor of retired	48 1 39	1,585,403 11,069 736,035	39 2 23	668,103 39,490 370,013	1,191 21 372	28,938,443 336,723 6,783,597	3.27 (7.78) 5.70	24,298 16,034 18,235	2.49 (3.39) 1.15
December 31, 2016	2016	Retirement Survivor of active Survivor of retired	28 1 28	663,817 8,712 593,043	42 - 23	808,519	1,177 22 377	28,793,741 345,435 7,029,493	(0.50) 2.59 3.62	24,464 15,702 18,646	0.68 (2.07) 2.25
December 31, 2017	2017	Retirement Survivor of active Survivor of retired	122 2 58	3,554,712 43,909 1,149,220	35 1 24	795,031 7,425 357,161	1,264 23 411	31,553,422 381,919 7,821,552	9.58 10.56 11.27	24,963 16,605 19,031	2.04 5.75 2.06

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Retirants and Beneficiaries Added to and Removed From Rolls

Comparative Statement

(Concluded)

Local Volunteer Service

		•	7	<u> </u>		7 E	of Voca	0/ 1.000000	Ave	Average
			Auneu	Nell	nemoved	FIIG	Ellu ol rear	% Increase	•	. 0/
		No.	Annual Allowance	No. A	Annual Allowance	No.	Annual Allowance	in Annual Allowance	Annual Allowance	Increase in Allowance
December 31, 2008	Retirement Survivor of active Survivor of retired	130 \$ 3 45	240,216 5,327 63,123	5 \$ - 10	7,007	526 \$ 5 156	865,274 8,701 205,941	36.90 157.89 32.79	\$ 1,645 1,740 1,320	4.38 3.14 2.96
December 31, 2009	Retirement Survivor of active Survivor of retired	128 9 43	196,439 12,556 59,514	20 - 17	30,294	634 14 182	1,031,419 21,257 242,424	19.20 144.31 17.72	1,627 1,518 1,332	(1.09) (12.76) 0.91
December 31, 2010	Retirement Survivor of active Survivor of retired	48 0 131	87,376 211 181,383	23 - 113	34,348 - 151,528	659 14 200	1,084,447 21,468 272,279	5.14 1 12.32	1,646 1,533 1,361	1.17 0.99 2.18
December 31, 2011	Retirement Survivor of active Survivor of retired	21 - 25	37,674 217 35,876	25 - 15	35,673	655 14 210	1,086,448 21,685 289,833	0.18 1.01 6.45	1,659 1,549 1,380	0.79 1.04 1.40
December 31, 2012	Retirement Survivor of active Survivor of retired	9 - 41	24,510 185 24,689	25 22	38,642 2,511 30,267	640 12 202	1,072,316 19,359 284,255	(1.30) (11) (1.92)	1,675 1,613 1,407	0.96 4.13 1.96
December 31, 2013	Retirement Survivor of active Survivor of retired	49 3	93,001 3,730 57,346	20 1 18	31,531 1,800 27,045	669 14 217	1,133,786 21,289 314,556	5.73 9.97 10.66	1,695 1,521 1,450	1.19 (5.70) 3.06
December 31, 2014	Retirement Survivor of active Survivor of retired	47 - 32	88,609 232 56,045	22 - 11	32,882	694 14 238	1,189,513 21,521 355,809	4.92 1 13.11	1,714 1,537 1,495	1.12 1.05 3.10
December 31, 2015	Retirement Survivor of active Survivor of retired	27 1 27	50,934 1,439 41,171	30	46,371 1,200 26,369	691 14 246	1,194,076 21,760 370,611	0.38 1.11 4.16	1,728 1,554 1,507	0.82 1.11 0.80
December 31, 2016	Retirement Survivor of active Survivor of retired	37 1 45	80,525 2,526 76,922	40 2 16	60,439 2,340 22,294	688 13 275	1,214,162 21,946 425,239	1.68 0.85 14.74	1,765 1,688 1,546	2.14 8.62 2.59
December 31, 2017	Retirement Survivor of active Survivor of retired	175 4 99	358,989 4,821 190,566	33 - 24	63,305	830 17 350	1,509,846 26,767 579,489	24.35 21.97 36.27	1,819 1,575 1,656	3.06 (6.69) 7.12



Statistical Section Summary

Retirement

Page 124 reflects Demographic Data for active, inactive vested, retirees and survivors as of December 31, 2017. Annualized benefits payable as of December 31, 2017 by Option Type is shown on page 125.

Schedule of Deductions by Type

Page 126 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 127 provides a breakdown of benefits paid by type for the last 10 years.

Schedule of Additions by Source

Page 126 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 126 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 127 provides a 10-year history of the dollar amount paid for the various types of retirement.

Schedules of Retirement Payments

Pages 128-138 present schedules of retirement payments showing type of retirement, option selected by each type of department.

Participating Employer Groups

Page 139 shows the Top Ten Participating Employers in the plan.

LOPFI Demographic Data (Excluding Local Plans) As of December 31, 2017

Active Paid Members

Number	6,651
Average Age	39.2 years
Average Length of Service.	12.5 years
Average Annual Salary	\$50,913
Active Volunteer Members	
Number	7 341

Terminated Vested Members / Other

Average Length of Service.....

7,514

Total Retirees and Survivors

Number	5,522
Average Monthly Benefit	\$1,042@

2017 Retirees and Survivors

Normal		Duty Related Disa	bility	
Number	4,520	Number	357	
Average Age	61.7 years	Average Age	51.5 years	
Average Length of Service	14.9 years	Average Length of Service	10.3 years	
Average Monthly Benefit	\$976	Average Monthly Benefit	\$2,671	
Survivors (Death in	Service)	Non-Duty Related Disability		
Number	275	Number	370	
Average Age	40.2 years	Average Age	51.5 years	
Average Monthly Benefit	\$269	Average Length of Service	9 years	
		Average Monthly Benefit	\$854	

[@] Average monthly benefit is \$1,906 and \$95 for paid service members and volunteer service members, respectively.

10.5 years

LOPFI
Benefit by Type, Last Ten Years

I	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Type of Benefit Age and service benefits: Retirees Survivors	19,805,489 2,736,446	21,626,643	25,651,097 3,465,841	30,238,832	34,443,325 4,108,817	47,799,528 6,200,657	55,199,884 6,588,171	63,125,113 7,044,115	71,239,156	82,529,778 8,480,895
Death in service benefits	564,159	898,742	936,616	980,215	1,008,201	1,097,643	1,138,211	1,126,015	1,164,223	1,297,111
Disability benefits: Retirees - duty Retirees - non-duty Survivors	5,859,132 1,283,033 506,442	6,453,030 1,680,756 299,158	7,293,655 2,001,873 481,592	8,075,405 2,371,096 572,584	9,051,595 2,645,607 570,491	9,924,865 2,911,913 634,652	10,391,624 3,131,886 853,962	11,603,555 3,417,245 995,993	12,463,445 3,808,973 1,035,582	13,367,050 4,094,343 1,174,363
Total benefits	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	110,943,540
Refunds	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	1,448,044

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 127.

LOPFI
Expenses by Type
Last Ten Calendar Years

		Member			
		Contribution	Administrative	DROP	
Year	Benefits Paid	Refunds	Expenses	Distributions	Total Expenses
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
2017	\$98,658,207	\$1,448,044	\$3,290,891	\$8,059,600	\$111,456,742

LOPFI Revenues by Source Last Ten Calendar Years

			Local Plan		
	Member	Employer	Merger / Military	Investment	Total Income
Year	Contributions	Contributions	Purchase	Income (Loss)	(Loss)
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
2017	\$23,451,952	\$104,112,452	\$34,268,967	\$253,402,809	\$415,236,180

LOPFI Changes in Net Position Last Ten Calendar Years

	Change in Plan
Year	Net Position
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
2017	\$ 303,779,438

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

	Normal Age & A	Age & Service -		Disability -	Total Benefit
Year	Service	Survivor	Disability	Survivor	Payments
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
2017	\$70,094,581	\$10,350,865	\$17,073,901	\$1,138,860	\$98,658,206

Paid Police (Excluding Local Plan)

Monthly	No. of		Ţ	Type of Retirement*	irement*				Option S	Option Selected#	
Benefit	Retirants	1	2	3	4	S	9	Life	Opt. A	Opt. B	Opt. C
\$1-500	490	404	æ	•	50	11	22	210	93	98	101
501-1,000	295	211		2	40	7	34	123	45	77	50
1,001-1,500	182	143	5	8	14	7	5	87	19	38	38
1,501-2,000	181	109	2	28	24	17		91	22	38	30
2,001-2,500	204	106	2	89	10	18	ı	102	22	45	35
2,501-3,000		98	ı	51	∞	16	1	83	19	38	21
3,001-3,500	141	70	ı	42	9	23	1	76	12	23	6
3,501-4,000	85	42	ı	20	4	19	1	48	9	19	12
Over \$4,000	134	93	П	12	2	26	1	87	11	25	11
0fal	1.873	1.264	41	231	158	144	62	928	249	389	307

* 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

DROP retirement
 Survivor payment

Normal - normal form of annuity for 5 years certain and life thereafter # Option Selected at Retirement

Opt. A - 75% survivor annuity Opt. B - 50% survivor annuity

Opt. C - annuity for 10 years certain and life thereafter

Paid Fire (Excluding Local Plan)

_			~ + ~								
\$1-500	Retirants	1	2	3	4	S	9	Life	Opt. A	Opt. B	Opt. C
	98	56	•	1	14	4	12	39	10	27	10
501-1,000	104	63		,	10	10	20	53	13	27	11
1,001-1,500	121	64		7	15	30	4	65	15	24	17
1,501-2,000	158	86	•	13	12	33	7	84	28	34	12
2,001-2,500	140	09		29	8	42	1	95	12	21	12
2,501-3,000	110	43	,	29	5	32		74	12	16	8
3,001-3,500	107	59	ı	26	9	16	1	64	10	22	11
3,501-4,000	64	38	•	15	•	11	•	28	6	18	6
Over \$4,000	126	68	ı	5	4	28	1	92	S	31	14
Fotal	1.016	670	65	124	74	206	30	878	114	220	104

^{*} Type of Retirement

Normal - normal form of annuity for 5 years certain and life thereafter # Option Selected at Retirement

Opt. A - 75% survivor annuity Opt. B - 50% survivor annuity

Opt. C - annuity for 10 years certain and life thereafter

^{1.} Normal retirement for age and service

^{2.} Early retirement for age and service

^{3.} Duty disability retirement

^{4.} Non-Duty disability retirement

DROP retirement
 Survivor payment

Volunteer Police (Excluding Local Plan)

(Continued)

					(manning a					
Monthly	No. of		Type of	Type of Retirement*	ent*			Option S	Option Selected#	
Benefit	Retirants	1	2	3	4	2	Life	Opt. A	Opt. B	Opt. C
\$1-50	137	118	ı	1	12	7	58	18	29	32
51-75	11	11	,	,	•	•	_	4	ı	9
76-100	5	5	1	•		1	1	2	1	П
101-125	5	5	•	1	,	•	2	2	•	-
126-150	9	9	•	•	•	•	7	_		2
151-175	2	2	,	•	•	,	•	-	•	1
176-200			•	•	•	•	•	_	•	•
201-225	Π		,	,	•	,	_	'	1	,
Over \$225	•	1	ı	ı	ı	ı	1	1	1	•
Total	168	149	•	•	12	_	65	29	31	43

* 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 Plan)

(Continued)

Monthly	No. of		Type of	Type of Retirement*	ent*			Option S	Option Selected#	
Benefit	Retirants -	1	2	3	4	5	Life	Opt. A	Opt. B	Opt. C
\$1-50	229	482			70	123	260	94	198	125
51-75		305	1	1	19	31	117	62	62	115
76-100		226	7	ı	15	12	94	52	36	73
101-125		243	4	•	16	_	06	70	29	75
126-150	324	311	7	_	5	•	26	78	37	112
151-175		214	1	•	_	•	62	65	13	9/
176-200		218	,	•	•	•	85	36	21	9/
201-225		112	•	•	•	•	43	6	11	49
Over \$225	43	43	ı	ı	•	1	17	4	3	19
Total	2,465	2,154	16	2	126	167	865	470	410	720

* 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

LOPFI Paid Police

	R	Retireme	nt Effective Dates	_					Serv	<u>ice</u>	at Retir	e <u>m</u> e	ent				
	Januar	y 1, 200	8 to December 31, 2017		0-4#		5-9		10-14		15-19		20-24		25-29		30+
01/01/08	- 12	2/31/08	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	wa	s not pro	vide	ed.										
			# Includes 10 members whose service		_												
01/01/09	- 12	2/31/09	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	wa	s not pro	vide	ed.										
			# Includes 20 members whose service	e w	as not pr	ovi	ded.										
01/01/10	- 12	2/31/10	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														
			# Includes 91 members whose service	e w	as not pr	ovi	ded.										
01/01/11	- 12	2/31/11	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 member	rs v	vas not pr	ovi	ded.										
			# Includes 100 members whose serv	ice	was not p	rov	ided.										
01/01/12	- 12	2/31/12	Average Monthly Benefit	\$			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 member														
			# Includes 106 members whose servi	ice	_												
01/01/13	- 12	2/31/13	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 member														
			# Includes 117 members whose servi														
01/01/14	- 12	2/31/14	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 member		_												
01/01/15	1.0	101/15	# Includes 127 members whose servi					Φ	1.600	Φ	2 122	Φ	2 (05	Φ	2.507	Φ	2.020
01/01/15	- 12	2/31/15	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 member														
01/01/16	1.0	101/16	# Includes 137 members whose servi					Φ	1.667	Φ	2.160	Φ	2.700	Φ	2.676	Φ	2 000
01/01/16	- 12	2/31/16	Average Monthly Benefit										2,708		3,676		3,088
			Final Average Pay*	P	37,515	Э		Э	47,726	Э	50,490	Э	54,517	Э	67,410	3	59,390
			Number of Active Retirees		479		308		275		178		220		178		14
			* Final Average Pay for 215 member														
01/01/17	1.0	NO 1 /17	# Includes 147 members whose servi		_			Φ	1.600	Φ	2.102	Φ	2 000	Φ	2.770	Φ	2 2 4 0
01/01/17	- 12	2/31/17	Average Monthly Benefit	\$	537		1,084	\$	1,699	\$	2,192	\$	2,800	\$	3,779	\$	3,340
			Final Average Pay*	\$	38,860	\$	40,588	\$		\$,	\$		\$	68,000	\$	63,588
			Number of Active Retirees		542		329		333		199		245		209		16
			* Final Average Pay for 237 member														
			# Includes 166 members whose servi	ice	was not p	rov	idea.										

Gabriel Roeder Smith & Company

(Continued)

LOPFI Paid Fire

		Retireme	ent Effective Dates						Serv	vice	at Retire	eme	nt				
	Jan	uary 1, 200	8 to December 31, 2017	_	0-4#		5-9		10-14		15-19		20-24		25-29		30+
01/01/09		12/21/00	Assess as Manthle Dan eff	•	071	ø	1 464	¢.	1 447	Φ	1 740	e.	1 477	¢.	2 522	¢	1.460
01/01/08	-	12/31/08	Average Monthly Benefit Final Average Pay*	\$	871 38,088	\$	1,464 36,763	\$ \$	1,447 38,317	\$ \$	1,742 40,619	\$ \$	1,477 45,494	\$ \$	2,522 56,500	\$	1,469 31,572
			و ع	Ф	36,088	Ф	30,703	Ф	36,317	Ф	40,619	Ф		Ф	36,300	Ф	51,372
			Number of Active Retirees			1			44		24		25		4		3
			* Final Average Pay for 12 members														
01/01/00		12/21/00	# Includes 7 members whose service		_			d.	1.605	Ф	2 000	Ф	1.020	Ф	2 127	Ф	1 (70
01/01/09	-	12/31/09	Average Monthly Benefit	\$		\$			1,695	\$		\$	1,920	\$	3,127	\$	1,670
			Final Average Pay*	\$	38,776	\$	40,569	\$	38,456	\$	41,916	\$		\$	57,664	\$	37,129
			Number of Active Retirees		59	٠.	38		39		27		27		7		5
			* Final Average Pay for 23 members														
			# Includes 12 members whose service		-					_							
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		_												
			# Includes 41 members whose service														
01/01/11	-	12/31/11	Average Monthly Benefit	\$			1,509	\$	1,651	\$	2,287	\$	2,166	\$	3,269	\$	1,832
			Final Average Pay*	\$	40,532	\$	43,674	\$,	\$	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		_												
			# Includes 49 members whose service	e w	as not pr												
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														
			# Includes 52 members whose service	e w	as not pr	ovi	ded.										
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	wa	s not pro	vid	ed.										
			# Includes 59 members whose service														
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 member	s w	as not pr	ovi	ded.										
			# Includes 68 members whose service														
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 member	rs w	as not pr	ovi	ded.										
			# Includes 73 members whose service														
01/01/16	_	12/31/16	Average Monthly Benefit	\$	909	\$		\$	1,693	\$	2,293	\$	2,600	\$	3,618	\$	4,041
01/01/10		12/31/10	Final Average Pay*		43,242		48,514	\$		\$	53,664	\$	53,194	\$	63,655	\$	75,792
			Number of Active Retirees	Ψ	138	Ψ	128	Ψ	165	Ψ	115	Ψ	127	Ψ	202	Ψ	21
			* Final Average Pay for 138 member	re xx		ovi			103		113		12/		202		21
			# Includes 79 members whose service														
01/01/17	_	12/31/17	Average Monthly Benefit	v.	883		1,482	\$	1,755	\$	2,388	\$	2,676	\$	3,673	\$	4,096
01/01/1/	-	14/5/1/1/	Final Average Pay*	Φ	44,010		48,778		54,274		54,487		54,654		64,229	\$ \$	77,794
			Number of Active Retirees	φ	158	Φ	131	Φ	197	Φ	126	Φ	147	Ф	235	Φ	22
			* Final Average Pay for 146 member	ra **		οι <i>,</i> :			19/		120		14/		233		22
			# Includes 85 members whose service	e W	as not pr	υνι	ucu.										

Gabriel Roeder Smith & Company

(Continued)

LOPFI Volunteer Police

		Retiremen	t Effective Dates						Ser	vice a	t Reti	remen	t				
	Janu	ary 1, 2008	to December 31, 2017	0-	4	5-	9	10-	14	15-	-19	20-	-24	25-	-29	30)+
01/01/08	-	12/31/08	Average Monthly Benefit Final Average Pay	\$ N/A	10	\$ N/A	35	\$ N/A	-	\$ N/A	84	\$ N/A	-	\$ N/A	148	\$ N/A	-
			Number of Active Retirees	11/71	5	14/74	5	11/71	-	IV/A	2	14/74	-	IV/A	2	14/74	-
01/01/09	-	12/31/09	Average Monthly Benefit	\$	12	\$	36	\$	-	\$	89	\$	-	\$	153	\$	-
			Final Average Pay Number of Active Retirees	N/A	8	N/A	5	N/A	-	N/A	3	N/A	-	N/A	2	N/A	-
01/01/10	-	12/31/10	Average Monthly Benefit	\$	12	\$	38	\$	71	\$	103	\$	-	\$	157	\$	201
			Final Average Pay Number of Active Retirees	N/A	13	N/A	5	N/A	2	N/A	2	N/A	-	N/A	2	N/A	1
01/01/11	_	12/31/11	Average Monthly Benefit	\$	11	\$	38	\$	71	\$	106	\$	_	\$	162	\$	207
			Final Average Pay Number of Active Retirees	N/A	20	N/A	9	N/A	2	N/A	2	N/A		N/A	2	N/A	1
			# Includes 1 member whose service		ot pr								-				
01/01/12	-	12/31/12	Average Monthly Benefit Final Average Pay	\$ N/A	10	\$ N/A	36	\$ N/A	74	\$ N/A	109	\$ N/A	122	\$ N/A	167	\$ N/A	213
			Number of Active Retirees # Includes 2 members whose service	e was i	34	rovide	15 d		2		2		1		2		1
01/01/13	-	12/31/13	Average Monthly Benefit	\$	10	\$	39	\$	76	\$	109	\$	123	\$	172	\$	220
			Final Average Pay Number of Active Retirees	N/A	50	N/A	18	N/A	2	N/A	4	N/A	2	N/A	2	N/A	1
			# Includes 3 members whose service	e was i	_												
01/01/14	-	12/31/14	Average Monthly Benefit Final Average Pay	\$ N/A	10	\$ N/A	40	\$ N/A	76	\$ N/A	111	\$ N/A	135	\$ N/A	177	\$ N/A	173
			Number of Active Retirees # Includes 9 members whose service	e was i	67 10t.p	rovide	21 d.		3		4		3		2		2
01/01/15	-	12/31/15	Average Monthly Benefit Final Average Pay	\$ N/A	11	\$ N/A	42	\$ N/A	74	\$ N/A	113	\$ N/A	139	\$ N/A	182	\$ N/A	119
			Number of Active Retirees		79		24	IN/A	5	N/A	7	N/A	4	N/A	2	N/A	1
01/01/16	-	12/31/16	# Includes 13 members whose serv Average Monthly Benefit	ice was	not 12	provid \$	ed. 44	\$	71	\$	116	\$	142	\$	188	\$	123
			Final Average Pay Number of Active Retirees	N/A	89	N/A	31	N/A	6	N/A	7	N/A	4	N/A	2	N/A	1
01/01/17		12/21/17	# Includes 14 members whose serv		not		ed.	¢.		¢.	·	¢.		¢.		¢.	
01/01/17	-	12/31/17	Average Monthly Benefit Final Average Pay	\$ N/A		\$ N/A	45	\$ N/A	74	\$ N/A	120	\$ N/A	146	\$ N/A	193	\$ N/A	127
			Number of Active Retirees # Includes 16 members whose serv		113 not :	provid	34 ed.		7		7		4		2		1

Gabriel Roeder Smith & Company

(Continued)

LOPFI Volunteer Fire

		Retirement	t Effective Dates						Ser	vice a	t Reti	remen	t				
	Janu	ary 1, 2008	to December 31, 2017	0-	4 #	5-	.9	10-	-14	15-	-19	20-	-24	25	-29	30	0+
01/01/08	-	12/31/08	Average Monthly Benefit Final Average Pay Number of Active Retirees	\$ N/A	21	\$ N/A	37 92	\$ N/A	60 95	\$ N/A	82 83	\$ N/A	106 135	\$ N/A	139 49	\$ N/A	166 24
			# Includes 20 members whose serv	vice wa	.,	provi			93		0.5		133		47		24
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 serv	vice wa	ıs not	provi	ded.										
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 se			-											
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 se														
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 se														
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 se			•											
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 se			1											
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 se														
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
0.4.15		4.4.4	# Includes 279 members whose se			-							4.5		4.5-		
01/01/17	-	12/31/17	Average Monthly Benefit	\$	37	\$	49	\$	79	\$	114	\$	139	\$	179	\$	210
			Final Average Pay	N/A		N/A		N/A	_	N/A	_	N/A		N/A	_	N/A	
			Number of Active Retirees		602		389		312		244		441		312		165
			# Includes 308 members whose se	rvice w	vas no	ot prov	ided.										

Gabriel Roeder Smith & Company

(Continued)

Local Plan Paid Police

		Retiremen	t Effective Dates						Serv	vice	at Retire	eme	ent				
	Janu	iary 1, 2008	to December 31, 2017		0-4#		5-9		10-14		15-19		20-24		25-29		30+
01/01/08	-	12/31/08	Average Monthly Benefit Final Average Pay	\$ \$	927 34,880	\$ \$	1,427 17,949		1,293 25,647	\$ \$	1,589 34,232	\$ \$	1,767 40,382	\$ \$	1,715 41,303	\$ \$	1,37 47,48
			Number of Active Retirees		73		3		11		18		103		111		13
			* Final Average Pay for 293 mem	bers w	as not pro	ovic	led.										
			# Includes 70 members whose ser	vice w	as not pro	ovid	led.										
01/01/09	-	12/31/09	Average Monthly Benefit	\$	1,065		1,470		1,357		1,705	\$	1,806	\$	1,824	\$	1,55
			Final Average Pay	\$	31,815	\$		\$	25,216	\$		\$,	\$	47,748	\$	45,43
			Number of Active Retirees		154		3		8		12		95		95		9
			* Final Average Pay for 303 mem		-												
01/01/10		10/21/10	# Includes 80 members whose ser					Ф	1 550	Ф	1.000	Φ.	1 222	Ф	1 000	Ф	1.65
01/01/10	-	12/31/10	Average Monthly Benefit	\$	1,099					\$	1,899	\$	1,775	\$	1,900	\$	1,65
			Final Average Pay	\$	53,479	3		\$	25,216	\$	35,739	\$,	\$	47,606	\$	43,60
			Number of Active Retirees * Final Average Pay for 288 mam	hora x	175	ović.	7 lad		11		26		127		97		8
			* Final Average Pay for 388 mem # Includes 175 members whose se														
01/01/11	_	12/31/11	Average Monthly Benefit	\$ s			1,469	¢	1,527	¢	1,918	¢	1,798	¢	1,942	\$	1,74
01/01/11	-	12/31/11	Final Average Pay		57,053				25,216	\$	35,739	\$,	\$	57,958	\$	43,73
			Number of Active Retirees	Ψ	179	Ψ	7	Ψ	10	Ψ	26	Ψ	127	Ψ	98	Ψ	45,75
			* Final Average Pay for 386 mem	bers w		ović			10		20		127		,0		
			# Includes 179 members whose se														
01/01/12	_	12/31/12	Average Monthly Benefit	\$	_		1,504	\$	1,534	\$	1,940	\$	1,825	\$	1,989	\$	1,80
			Final Average Pay		83,946			\$	25,216	\$	35,739	\$	40,886	\$	58,349	\$	45,53
			Number of Active Retirees		214		7		10		26		125		96		8
			* Final Average Pay for 417 mem	bers w	as not pre	ovic	led.										
			# Includes 214 members whose se	ervice v	was not p	rov	ided.										
01/01/13	-	12/31/13	Average Monthly Benefit	\$	1,754	\$	1,541	\$	1,582	\$	1,910	\$	1,850	\$	2,030	\$	1,83
			Final Average Pay	\$	83,946	\$	17,949	\$	26,323	\$	35,739	\$	40,846	\$	57,784	\$	45,43
			Number of Active Retirees		516		7		8		25		122		97		8
			* Final Average Pay for 715 mem														
			# Includes 516 members whose se														
01/01/14	-	12/31/14	Average Monthly Benefit	\$				\$	1,595			\$	1,873	\$		\$	1,90
			Final Average Pay	\$	78,444	\$	-	\$	26,323	\$	35,739	\$	41,538	\$	57,784	\$	42,16
			Number of Active Retirees		539		7		7		23		119		96		7
			* Final Average Pay for 712 mem		_												
01/01/15		12/31/15	# Includes 539 members whose se Average Monthly Benefit	rvice v \$			1,617	¢	1,600	¢	1,926	¢	1,946	¢	2 160	¢	2,01
01/01/13	-	12/31/13	Final Average Pay		66,259			\$	26,323	\$	35,739	\$	40,817	\$	2,160 57,726	\$	43,38
			Number of Active Retirees	Ф	564	Ф	7	Ф	20,323	Ф	23	Ф	117	Ф	37,726 94	Э	43,38
			* Final Average Pay for 727 mem	here w		ović			,		23		117		24		,
			# Includes 564 members whose se														
01/01/16	_	12/31/16	Average Monthly Benefit	\$	_		1,679	\$	1,606	\$	1,951	\$	1,964	\$	2,222	\$	2,12
01/01/10		12/51/10	Final Average Pay		65,055				26,323			\$			41,005	\$	45,41
			Number of Active Retirees	Ψ	552	Ψ	6	Ψ	7	Ψ	23	Ψ	118	Ψ	90	Ψ	6
			* Final Average Pay for 703 mem	bers w		ović											
			# Includes 552 members whose se		_												
01/01/17	-	12/31/17	Average Monthly Benefit	\$	1,921		1,707	\$	1,757	\$	1,977	\$	1,989	\$	2,276	\$	2,13
			Final Average Pay	\$	57,960				27,104	\$	35,739	\$				\$	45,71
			Number of Active Retirees		642		5		6		23		117		88		6
			* Final Average Pay for 792 mem	bers w	as not pro	ovic	led.										
			# Includes 642 members whose se	ervice v	vas not p	rovi	ided.										

Gabriel Roeder Smith & Company

(Continued)

Local Plan Paid Fire

Retirem	ent Effective Dates						Servi	e a	t Retiren	nen	ıt				
January 1, 20	08 to December 31, 2017		0-4#		5-9		10-14		15-19		20-24		25-29		30+
01/01/09 12/21/09	Avaraga Manthly Danafit	¢	1 422	¢	2.056	¢.	1 706	¢.	1 525	¢.	1 666	¢.	1 712	¢.	1,685
01/01/08 - 12/31/08	Average Monthly Benefit Final Average Pay	\$	1,423 25,727	\$ \$	3,056 39,805	\$	1,796 40,394	\$	1,535 28,122	\$	1,666 34,252	\$	1,713 38,941	\$ \$	43,016
	Number of Active Retirees	Ф	118	Ф	39,803	Ф	40,394	Ф	13	Ф	92	Ф	130	Ф	223
	* Final Average Pay for 266 memb	ere u		ovic			2		13		92		150		223
	# Includes 114 members whose ser		_												
01/01/09 - 12/31/09	Average Monthly Benefit		1,442		3,056	2	2,285	2	1,616	\$	1,695	\$	1,770	\$	1,899
01/01/07 - 12/31/07	Final Average Pay		29,800		43,364	\$	53,299		28,122		34,356		39,717		43,633
	Number of Active Retirees	Ψ	192	Ψ	15,504	Ψ	1	Ψ	12	Ψ	80	Ψ	119	Ψ	161
	* Final Average Pay for 259 memb	ners w		ović	_		1		12		80		11)		101
	# Includes 118 members whose ser														
01/01/10 - 12/31/10	Average Monthly Benefit		1,511		3,056	\$	1,174	\$	1,614	\$	1,603	\$	1,808	\$	1,962
01/01/10 12/31/10	Final Average Pay		31,565			\$	56,362		28,122		34,536		39,453		43,792
	Number of Active Retirees	Ψ	216	Ψ	1	Ψ	3	Ψ	14	Ψ	97	Ψ	123	Ψ	165
	* Final Average Pay for 340 memb	ers w		ovic	-						, ,		123		100
	# Includes 211 members whose ser														
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 memb	ers w		ovic			-								
	# Includes 235 members whose ser														
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 memb	oers w	as not pi	ovic	led.										
	# Includes 230 members whose ser														
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 memb	ers w	as not pi	ovic	led.										
	# Includes 312 members whose ser	rvice	was not p	rovi	ded.										
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														
	# Includes 312 members whose ser	rvice	was not p	orovi	ded.										
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														
	# Includes 333 members whose set	rvice	was not p	orovi	ded.										
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														
	# Includes 364 members whose set	rvice	was not p	orovi											
01/01/17 - 12/31/17	Average Monthly Benefit		1,755		3,056				1,772				2,095	\$	2,392
	Final Average Pay	\$	36,053	\$	38,605	\$	28,248	\$	28,915	\$	35,213	\$	39,575	\$	45,515
	Number of Active Retirees		416		1		3		13		84		107		131
	* Final Average Pay for 503 members														
	# Includes 412 members whose set	rvice	was not p	orovi	ded.										

Gabriel Roeder Smith & Company

(Concluded)

Local Plan Volunteer Fire

Retir	ement Effective Dates			Servi	ce at Retir	ement		
January 1,	2008 to December 31, 2017	0-4#	5-9	10-14	15-19	20-24	25-29	30+
04/04/00								
01/01/08 - 12/31/0	8 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	-						
01/01/09 - 12/31/0	e j	\$ 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	•						
01/01/10 - 12/31/1	O 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	•						
01/01/11 - 12/31/1	1 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 pr	ovided.					
01/01/12 - 12/31/1	2 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 pr	ovided.					
01/01/13 - 12/31/1	3 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 pr	ovided.					
01/01/14 - 12/31/1	4 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 pr	ovided.					
01/01/15 - 12/31/1	5 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 pr	ovided.					
01/01/16 - 12/31/1	6 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		=	5		71	131	127
01/01/17 - 12/31/1	7 Average Monthly Benefit	\$ 147	\$ 113	\$ 117	\$ 114	\$ 140	\$ 154	\$ 156
01/01/11/ 12/01/1	Final Average Pay	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Number of Active Retirees	838	1N/A 4	3	14	1V/A 89	1N/A 127	122
	# Includes 836 members whose service		-	3	14	0,7	14/	122
	# Includes 630 members whose service	was not pr	oviucu.					

Gabriel Roeder Smith & Company

Gabriel Roeder Smith & Company

LOPFI
Top Ten Participating Employers

		2017		2016	. 4	2015	(1	2014		2013	(1	2012	. 1	2011		2010	. 4	2009		2008
		Jo %		Jo %		Jo %		Jo %		Jo %		Jo %		Jo %		Jo %		Jo %		Jo %
		Covered		Covered		Covered		Covered		Covered		Covered		Covered		Covered		Covered		Covered
	No.	Employees	No.	Employees	No. I	Employees	No. E	Employees	No.	Employees	No. E	Employees	No.	Employees	No. E	Employees	No. E	Employees	No.	Employees
Fayetteville Paid Fire	118	1.8%	121	1.8%	107	1.7%	108	1.7%	107	1.7%	108	1.8%	105	1.7%	105	1.8%	104	1.8%	108	1.9%
Fort Smith Paid Fire	164	2.5%	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%
Fayetteville Paid Police	129	1.9%	124	1.9%	122	1.9%	120	1.9%	120	1.9%	112	1.8%	114	1.9%	114	1.9%	118	2.0%	120	2.1%
Jonesboro Paid Police	156	2.3%	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%
Little Rock Paid Fire	406	6.1%	412	6.3%	403	6.3%	391	6.2%	395	6.3%	393	6.4%	373	6.2%	360	6.1%	354	%0.9	316	5.6%
Little Rock Paid Police	292	8.5%	516	7.9%	517	8.0%	541	%9.8	539	8.6%	522	8.5%	485	8.1%	495	8.3%	492	8.3%	480	8.5%
North Little Rock Paid Fire	157	2.4%	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%
North Little Rock Paid Police	184	2.8%	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%
Springdale Paid Fire	119	1.8%	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%
Springdale Paid Police	145	2.2%	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%



CONTACT US

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Tracy Warfe - Assistant Director

Denise Collins – Chief Financial Officer

Jen Sines – Accountant II

Laura Nixon – Membership Coordinator

Jennifer Graves – Membership Services

Haley Garrett – Membership Services

Lesley Weaver – Membership Services

Tracie Owings – Membership Services

Please visit our website at <u>www.lopfi-prb.com</u> 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!