

# Twenty Ninth Comprehensive Annual Financial Report Fiscal Year Ended December 31, 2011 

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



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Prepared by:
Arkansas Local Police and Fire Retirement System
David B. Clark, Executive Director Robert A. Bartholmey, Chief Financial Officer

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## BOARD OF TRUSTEES



JOANNE H. BUSH
Chairman, Employer Trustee
Lake Village
Term Expires Jan. 1, 2014


MIKE GASKILL Employer Trustee Paragould
Term Expires Jan. 1, 2015


DAN CURTNER
Retired Fire Employee Trustee Forrest City
Term Expires Jan. 1, 2012


TIMOTHY WEBB
Police Employee Trustee Searcy
Term Expires Jan. 1, 2014


DONNA ADKINS
Retired Police Trustee Hot Springs
Term Expires Jan. 1, 2012


TERRY HENSON
Fire Employee Trustee Little Rock
Term Expires Jan. 1, 2012


BEV LAMBERT
Public Trustee Little Rock
Term Expires Jan. 1, 2015

# 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, 2010
A Certificate of Achievement for Excellence in Financial Reporting is presented by the Government Finance Officers

Association of the United States and Canada to government units and public employee retirement systems whose comprehensive annual financial reports (CAFRs) achieve the highest standards in government accounting and financial reporting.


Letter of Transmittal

Telephone: (501) 682-1745
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May 29, 2012
email: info@lopfi-prb.com
Board of Trustees
website: www.lopfi-prb.com
Arkansas Local Police and Fire Retirement System
620 W. ${ }^{\text {rd }}$, Suite 200
Little Rock, AR 72201-2223

Dear Trustees:
I am pleased to provide to you the Comprehensive Annual Financial Report (CAFR) of the Arkansas Local Police and Fire Retirement System (LOPFI) for the year ended December 31, 2011. This CAFR recognizes LOPFI's $29^{\text {th }}$ year of administering retirement benefits for the covered police officers and firefighters.

LOPFI was created by the 1981 General Assembly for the specific 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 appoints an Executive Director to administer the system consistent with law and Board policy.

The disclosure of the financial condition of the retirement system is provided in this CAFR and is a central function of the system's management. The system employs internal controls in order to provide confidence that the system's assets are safe from misuse, theft and/or loss and that appropriate accounting data is compiled. Internal controls are meant 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 maintaining the accountability of the assets are valid. The concept behind internal controls recognizes that the cost of a control should not exceed the expected benefits. Further, the determination of the costs and benefits of a control require estimates performed by management. LOPFI's internal controls are continually reviewed in an effort to detect and correct potential errors before they occur. System management believes these internal controls demonstrate that the financial statements, supporting schedules, and statistical tables are presented in an accurate, clear and concise manner. As such, the reader is afforded the opportunity to gain an understanding of the financial activities of the retirement system.

## Summary of Financial Information

The following schedule is a summary of the system's additions and deductions for the years ended December 31, 2011 and December 31, 2010.

## December 31, 2011 December 31, 2010

| Additions | $\$ 92,181,617$ | $\$ 169,071,691$ |
| :--- | ---: | ---: |
| Deductions | $46,290,630$ | $41,059,329$ |
| Net Change | $\$ 45,890,987$ | $\$ 128,012,362$ |

The change in Additions was due to a flat year in terms of investment performance. Deductions maintained their expected increase given the age of the retirement system, which means more members have attained eligibility for retirement and decided to exercise that right. Further information regarding the financial condition can be located in the Management's Discussion and Analysis beginning on page 18 in the Financial Section of this report.

A primary funding objective for 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 beginning on page 30 of this report shows the system continues to meet this objective. As of December 31, 2011, the funded ratio for the entire portfolio was $65 \%$, which remained unchanged from the previous year. Further details on the funded condition of LOPFI can be found in the Actuarial Section of this report.

## Investment Results

The retirement system's portfolio ended the 2011-year with a $-0.42 \%$ return. The system was positioned solidly in positive territory mid-year with a one-year return of nearly $24 \%$. However, the disastrous debt ceiling talks at the federal level coupled with Europe's debt woes erased the investment gains. In fact, the third quarter of 2011 was one of the worst performing quarters for the investment markets in more than a decade. The year-end result could very well have been much worse had the portfolio not been thoroughly diversified. The goal of the system's investments is to attain an $8 \%$ return each year. And to that end, from 1983 through 2011, LOPFI has averaged a 9.70\% return. The chief purpose of the investments is to ensure assets are always available to pay the accrued benefits for the retired lifetime of each covered police officer and firefighter. The Investment Section of this report offers 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, 2010. This was the ninth 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.

## Conclusion

The development of this CAFR was the product of the combined efforts of system staff and advisors. The purpose of the report is to provide confidence in the plan's management and consistent with previous years, LOPFI received an unqualified opinion from an independent auditor regarding its financial statements, which are a part of this CAFR. The auditor's opinion can be located on page 17 of this report.

Each year LOPFI's CAFR is made available to Legislative Audit, Legislative Council and all participating employer groups. The uncomplicated design is intended to provide a report that is understandable as well as being a meaningful resource.

LOPFI is administered by a solid team with a united goal of providing first-rate service to the covered police officers, firefighters, and their employers. Our team fully recognizes that each covered police officer and firefighter is an essential part of the citizenry of Arkansas and as such, merits a retirement system that will provide a livable benefit for their retired lifetime. LOPFI provides that type of benefit structure for the career oriented members.

LOPFI encourages each active and retired participant as well as the participating employer groups to share your thoughts on how our service to you may be improved. Please feel free to touch base with any staff member to provide your feedback.

Respectfully,

David B. Clark
Executive Director

# Administrative Organization <br> STAFF 

David B. Clark<br>Executive Director<br>Robert A. Bartholemey<br>Chief Financial Officer

ACTUARY<br>Gabriel, Roeder, Smith and Company<br>David Hoffman and Mita Drazilov<br>Southfield, Michigan<br>\section*{DATA PROCESSING}<br>Tegrit Technologies<br>Livonia, Michigan<br>INVESTMENT MONITOR<br>Thistle Asset Consulting Group John McCann<br>Boynton Beach, Florida

AUDITOR<br>William T. Kinneman, CPA<br>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

- 300 North Capital

Pasadena, California

- Aberdeen Asset Management Philadelphia, Pennsylvania
- Advent Capital Management New York, New York
- Barrow, Hanley, Mewhinney \& Strauss Dallas, Texas
- Black Rock Fund Advisors (EAFE) San Francisco, California
- Candlewood Credit Value Fund New York, New York
- Chickasaw Capital Management Memphis, Tennessee
- Citigroup Private Equity

New York, New York

- Dodge \& Cox Braintree, Massachusetts
- Fisher Investments Woodside, California
- Garcia, Hamilton, Jackson \& Associates Houston, Texas
- Global Currents Investments Wilmington, Delaware
- Goldman Sachs New York, New York
- JP Morgan Investment Management, Inc. (Real Estate \& Infrastructure)
New York, New York
- KKR Mezzanine Partners San Francisco, California
- Macquarie Infrastructure Partners, Inc. New York, New York
- Neuberger Berman Private Equity Dallas, Texas
- 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) Pasadena, California

Information regarding Investment Managers and Consultants can be found in the Investment Section beginning on page 35.

# 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 non-profit entity established under the authority of Act 364 of 1981, and bears a fiduciary obligation to the political subdivisions and their employees, who are its participants.

## ADMINISTRATION

The general administration and the responsibility for the proper operation of the system is vested in a seven member Board of Trustees. All Trustees are appointed by the Governor. The normal term of office for a Trustee is four years. Four 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 members are employer trustees, who represent the political subdivisions of the state. They are not members of the System, but their political subdivisions must have covered employees in the System. The employer trustees are selected from among a list submitted by the Arkansas Municipal League. These members must 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 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 pension and relief fund 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 an employee's years of covered employment in paid service and volunteer service. Service may be counted as both paid service and volunteer service for the same period of time, but must be earned under different departments. Members are limited to earning service at one LOPFI covered volunteer 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 several employers.

## NORMAL RETIREMENT

A member may retire after completing both 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 years of service, the minimum age is 60 or a member may retire at any age with 28 years of credited service.

## EARLY RETIREMENT

A 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 $1 / 2$ of $1 \%$ per month for each month that the retirant is younger than 55 .

## DEFERRED RETIREMENT

If a member leaves LOPFI-covered employment (1) before attaining his early retirement age, and (2) after completing 5 years of credited service, he/she 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 and service annuity, based upon his service and pay record at time of leaving LOPFI coverage. When the effective date of the annuity is at least twelve (12) full months after termination, final average pay is adjusted for changes in inflation. The amount of the adjustment is one-half of any percentage increase in the Consumer Price Index for the period from three months immediately preceding termination to three months immediately preceding the effective date of the benefit.

## FINAL AVERAGE PAY

Final Average Pay 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 final average pay are limited by the following tests: pays used during any one annual segment are
usable only to the extent that such pays do not exceed $31 \%$ of the total pays in the final average pay period ( 4 contiguous segments); and that if the final average pay period is less than four full years, the maximum usable $31 \%$ shall be increased proportionally. Final Average Pay 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 final average pay. 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
$\$ 5.98$ per month x Years of Service ( The $\$ 5.98$ Benefit is indexed annually for inflation).

The maximum benefit for paid service is $100 \%$ of FAP. For volunteer service the maximum benefit is $\$ 239.20$ per month, indexed annually for inflation.

## 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 final average pay or equal to the annuity paid to retirants
for each year of paid service resulting from employment as provided for in A.C.A. 24-10-602, whichever is greater.

## NON-DUTY DISABILITY BENEFIT

A paid member with five (5) or more years of 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 final average pay at time of disability.

## SURVIVOR BENEFIT

Upon the death of a member from duty-related causes, regardless of length of service, the surviving spouse receives an annuity equal to the Option B50 annuity, computed as if the member had 25 years of credited service. When a paid member dies from non-duty related causes, who has at least five (5) years of credited service the surviving spouse benefit is the same as a B50 annuity but is computed upon the deceased member's service and pay record at time of death.

## 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 preceeding July 1 increased by three percent (3\%).

## OPTIONAL FORMS OF PAYMENT

When a LOPFI member makes application for retirement, benefits are calculated in four optional forms and the member selects the one that best fits his/her retirement needs. The election of the form of payment is made immediately prior to the receipt of the first benefit check and once it is made, it is irrevocable, except with the death of a beneficiary, or divorce or other marriage dissolution after retirement.
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 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 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 (DROP)

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

For purposes of DROP, credited service shall not include volunteer service or other credited service that was purchased. However, military service credit earned under A.C.A. 24-10502 shall count towards the total credited service.

When a member elects to enter DROP, their monthly retirement benefit is calculated as though that person were leaving employment at that time. For members that have at least 28 years of service and elect to participate in DROP, $75 \%$ of the member's monthly benefit is placed into the member's DROP account. For members who have at least 20 years 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 interest at the rate of $6 \%$ annually. During the DROP period the employee contributions, for contributory members, and employer contributions shall continue and are credited to the retirement system.

The member may remain in DROP up to a maximum of 5 years. At the conclusion of the DROP period the member shall terminate employment and begin receiving their monthly retirement benefit they would have received had they retired at the time they entered DROP. At the option of the member, the member shall receive their DROP balance as either a lump-sum payment equal to the payments into their DROP account; or as a monthly annuity that is the actuarial equivalent of the lump-sum and paid in the form of one of the annuity options under A.C.A. 24-10-603; or another form of payment if another form is approved by the LOPFI Board of Trustees.

If a member dies during the DROP period a lump-sum payment equal to their DROP account balance shall be paid to their survivor(s) or, if none, their estate.

If a member becomes disabled during the DROP period, the member shall be treated as though they had concluded their DROP participation.

## PARTIAL-ANNUITY and LUMP-SUM OPTION

Any vested member who does not terminate LOPFI-covered employment, and is eligible for an unreduced annuity and who was not eligible or did not elect to participate in the DROP, may elect to participate in the partial-annuity and lump-sum option.

A member who elects to participate in this option shall be eligible to receive, at the time of retirement, a lump-sum distribution in an amount not exceeding one 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 partial-annuity and lump-sum 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 contributions in order to finance the benefits that political subdivisions have promised their employees. Initial contribution rates for employers are varied based on age at time of employment. However, the actuary adjusts these rates annually to reflect each employer's individual experience rating. A chart showing current employer contribution rates is included in this report.

# Summary of Plan Provisions 

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


#### Abstract

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


#### Abstract

ADMINISTRATION By voluntary mutual agreement, the City's governing body may enter into a management agreement for the administration of local relief 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 relief plan.


## PARTICIPANTS

Under the relief 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 CONTRIBIUTIONS

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 $50 \%$ 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 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 fire fighters 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.


## William T. Kinneman

Certified Public Accountant

## Independent Auditor's Report

## The Board of Trustees

Arkansas Local Police and Fire Retirement System
Little Rock, Arkansas
I have audited the accompanying statements of plan net assets of Arkansas Local Police and Fire Retirement System defined benefit pension plan at December 31, 2011 and 2010 and the related statements of changes in plan net assets for the years then ended. These financial statements are the responsibility of the Company's management. My responsibility is to express an opinion on these financial statements based on my audits.

I conducted my audits in accordance with auditing standards generally accepted in the United States of America. Those standards require that I plan and perform the audits to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. I believe that my audits provide a reasonable basis for my opinion.

In my opinion, the financial statements referred to above present fairly, in all material respects, the plan net assets of Arkansas Local Police and Fire Retirement System defined benefit pension plan at December 31, 2011 and 2010 and the related changes in plan net assets for the years then ended in conformity with accounting principles generally accepted in the United States of America.

My audits were made primarily for the purpose of expressing an opinion on the basic financial statements taken as a whole. The accompanying supplementary management discussion and analysis and the schedules of required supplementary information are presented for purposes of additional analysis and are not a required part of the basic financial statements but are supplementary information required by the accounting principles generally accepted in the United States of America. The schedule of administrative and investment expenses and the schedule of actual versus budgeted expenses are presented for purposes of additional analysis and are not required by generally accepted accounting principles. Such additional information has been subjected to the auditing procedures applied in the examination of the basic financial statements and, in my opinion, is fairly stated in all material respects in relation to the basic financial statements taken as a whole.


Little Rock, Arkansas

# Arkansas Local Police and Fire Retirement System 

## Required Supplementary Information

Management Discussion and Analysis
The basic financial statements contained in this section of the Comprehensive Annual Financial Report consist of:

The Statement of Plan Net Assets, which reports the pension fund assets, liabilities, and net assets available at the end of the calendar year. The Statement of Plan Net Assets is prepared on the accrual basis and for the most part, the plan's net assets are reported on a fair value basis.

The Statement of Changes in Plan Net Assets, which reports the pension fund transactions that occurred during the calendar year where Additions - Deductions $=$ Net Change in Net Assets. It is an operating statement that reports the net increase or decrease in net plan assets from the beginning of the year until the end of the year.

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

The Required Supplementary Information and Schedules following the Notes to the Financial Statements provide added historical and detailed information considered useful in evaluating the condition of the Arkansas Local Police and Fire Retirement System (LOFPI).

The following pages contain summary comparative statements of LOPFI's pension trust fund for years 2011 and 2010.

# Arkansas Local Police and Fire Retirement System <br> Year ended December 31, 2011 <br> Summary of Comparative Statements of Plan Net Assets 

|  | As of December 31, 2011 |  | As of <br> December 31, 2010 |  | Percent <br> Change |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Cash and short-term investments | \$ | 108,574,126 | \$ | 83,999,208 | 29.26 \% |
| Invested securities lending collateral |  | 7,356,607 |  | 22,025,353 | (66.60) |
| Due from brokers-unsettled trades |  | - |  | 3,853,188 | n/a |
| Total receivables |  | 8,263,903 |  | 6,580,447 | 25.58 |
| Prepaid expense and other assets |  | 4,007,176 |  | 67,623 | 5825.75 |
| Investments |  | 878,183,092 |  | 858,747,435 | 2.26 |
| Land, building, furniture and equipment |  | 3,624,912 |  | 3,681,132 | (1.53) |
| Total assets | \$ | 1,010,009,816 | \$ | 978,954,386 | 3.17 \% |
| Accounts payable and accrued expenses | \$ | 438,139 | \$ | 620,869 | (29.43) \% |
| Refunds payable |  | 82,318 |  | 43,786 | 88.00 |
| Due to Pension Review Board |  | 166,758 |  | 177,638 | (6.12) |
| Due to brokers-unsettled trades |  | 293,155 |  | 304,888 | (3.85) |
| Collateral for securities on loan |  | 7,356,607 |  | 22,025,353 | (66.60) |
| Total liabilities |  | 8,336,977 |  | 23,172,534 | (64.02) |
| Net assets held for pension benefits |  | 1,001,672,839 |  | 955,781,852 | 4.80 |
| Total liabilities and net assets held for pension benefits | \$ | 1,010,009,816 | \$ | 978,954,386 | 3.17 \% |

Cash and short term investments increased due to unfunded commitments to alternative asset managers which was a result of a larger percentage of assets being allocated to the alternative managers. Commitments are funded via draw requests, the timing of which are not predictable and typically have short notice. A slight increase in total investments reflects the moderate performance of the financial markets in 2011 coupled with increased contributions and the receipt of $\$ 4.8$ million in assets as result of several Local Plans consolidating into LOPFI. The increase in total receivables represents a combination of increased membership and member payroll which resulted in an increase to both member and employer contributions. Book value of land, building, furniture and equipment decreased as a result of the normal process of depreciating fixed assets. Securities lending collateral decreased due to a decrease in securities lending activity.

## Arkansas Local Police and Fire Retirement System Year ended December 31, 2011

## Summary of Comparative Statements of Changes in Plan Net Assets

|  | Year ended <br> December 31, 2011 |  | Year ended <br> December 31, 2010 |  | Percent Change |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Contributions | \$ | 88,220,814 | \$ | 85,843,974 | 2.77 \% |
| Net investment income |  | 3,960,803 |  | 83,227,717 | (95.24) |
| Total additions |  | 92,181,617 |  | 169,071,691 | (45.48) |
| Benefits paid |  | 41,402,892 |  | 36,586,520 | 13.16 |
| Refunds of contributions |  | 1,097,813 |  | 814,866 | 34.72 |
| Administrative expenses |  | 1,696,390 |  | 1,739,807 | (2.50) |
| Deferred retirement option distributions |  | 2,093,535 |  | 1,918,136 | 9.14 |
| Total deductions |  | 46,290,630 |  | 41,059,329 | 12.74 |
| Net increase in plan net assets |  | 45,890,987 |  | 128,012,362 | (64.15) |
| Plan net assets-beginning of year |  | 955,781,852 |  | 827,769,490 | 15.46 |
| Plan net assets-end of year | \$ | 1,001,672,839 | \$ | 955,781,852 | 4.80 \% |

Contributions increased as a result of a $2.71 \%$ increase in active membership. This membership growth was due to a combination of new employees being hired by existing LOPFI covered employer groups, the consolidation of several Local Plans into LOPFI, and the addition of new departments that adopted LOPFI coverage. The moderate performance of the financial markets in 2011 caused a decrease in investment income over last year. Benefits paid increased by $13.16 \%$ as a result of an increase in the number of retired LOPFI members as well as the addition of retirees from the newly consolidated Local Plans. Refunds of member contributions increased which indicates that a greater number of members terminating coverage with the system elected to remove their member contributions. Administrative expenses showed a decrease for the second consecutive year as a result of increased efficiencies of LOPFI's upgraded data processing system. Deferred Retirement Option Plan (DROP) distributions increased due to a larger number of DROP participants retiring in the current year.

## Arkansas Local Police and Fire Retirement System Year ended December 31, 2011

## Summary of Comparative Statements of Plan Net Assets

|  | As of <br> December 31, 2010 |  |  | As of mber 31, 2009 | Percent Change |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Cash and short-term investments | \$ | 83,999,208 | \$ | 88,117,672 | (4.67) \% |
| Invested securities lending collateral |  | 22,025,353 |  | 44,552,779 | (50.56) |
| Due from brokers-unsettled trades |  | 3,853,188 |  | 17,260,699 | (77.68) |
| Total receivables |  | 6,580,447 |  | 8,418,218 | (21.83) |
| Prepaid expense and other assets |  | 67,623 |  | 84,633 | (20.10) |
| Investments |  | 858,747,435 |  | 736,604,807 | 16.58 |
| Land, building, furniture and equipment |  | 3,681,132 |  | 3,808,319 | (3.34) |
| Total assets | \$ | 978,954,386 | \$ | 898,847,127 | 8.91 \% |
| Accounts payable and accrued expenses | \$ | 620,869 | \$ | 779,953 | (20.40) \% |
| Refunds payable |  | 43,786 |  | 95,929 | (54.35) |
| Due to Pension Review Board |  | 177,638 |  | 213,620 | (16.84) |
| Due to brokers-unsettled trades |  | 304,888 |  | 25,435,356 | n/a |
| Collateral for securities on loan |  | 22,025,353 |  | 44,552,779 | (50.56) |
| Total liabilities |  | 23,172,534 |  | 71,077,637 | (67.40) |
| Net assets held for pension benefits |  | 955,781,852 |  | 827,769,490 | 15.46 |
| Total liabilities and net assets held for pension benefits | \$ | 978,954,386 | \$ | 898,847,127 | 8.91 \% |

The decrease in cash and short term investments is a result of assets being reallocated to longer term investments, while the overall increase in total investments reflects the continued rebound of the financial markets in 2010. Investments were also enhanced by the receipt of $\$ 8.1$ million in assets received as a result of several local plans consolidating into LOPFI. The decrease in total receivables reflects a concentrated effort by staff to ensure employer groups are making timely payments of amounts due. Other assets decreased due to the fact that there were less prepaid expenses at the end of the year. Book value of land, building, furniture and equipment decreased as a result of the normal process of depreciating fixed assets. Securities lending collateral decreased due to a decrease in securities lending activity.

## Arkansas Local Police and Fire Retirement System Year ended December 31, 2010

## Summary of Comparative Statements of Changes in Plan Net Assets

|  | Year ended <br> December 31, 2010 |  | December 31, 2009 |  | Percent Change |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Contributions | \$ | 85,843,974 | \$ | 84,447,061 | 1.69 \% |
| Net investment income |  | 83,227,717 |  | 123,024,492 | (32.35) |
| Total additions |  | 169,071,691 |  | 207,471,553 | (18.49) |
| Benefits paid |  | 36,586,520 |  | 30,669,255 | 19.29 |
| Refunds of contributions |  | 814,866 |  | 1,027,093 | (20.66) |
| Administrative expenses |  | 1,739,807 |  | 1,948,267 | (10.70) |
| Deferred retirement option distributions |  | 1,918,136 |  | 3,251,683 | (41.01) |
| Total deductions |  | 41,059,329 |  | 36,896,298 | 11.28 |
| Net increase in plan net assets |  | 128,012,362 |  | 170,575,255 | (24.94) |
| Plan net assets-beginning of year |  | 827,769,490 |  | 657,194,235 | 25.96 |
| Plan net assets-end of year | \$ | 955,781,852 | \$ | 827,769,490 | 15.46 \% |

Contributions increased as a result of a $1.69 \%$ increase in active membership. This membership growth was due to a combination of new hires in existing LOPFI covered employer groups, the consolidation of several Local Plans into LOPFI, and the addition of new departments that adopted LOPFI coverage. For the second straight year net investment income posted a large increase due the rebound of the financial markets in 2010. Benefits paid increased as a result of both an increase in retired LOPFI members and the addition of retirees from the newly consolidated Local Plans. There was a slight decrease in refunds of member contributions which indicates that fewer members terminating coverage with the system elected to remove their member contributions. Administrative expenses showed a decrease for the current year due to the elimination of one full time staff position which as made possible by increased efficiencies brought about by an upgraded data processing system. Deferred Retirement Option Plan (DROP) distributions decreased as a natural result of a fewer number of DROP participants retiring in the current year.

## Arkansas Local Police and Fire Retirement System

Statement of Plan Net Assets
December 31, 2011 and 2010

|  | $\underline{2011}$ | $\underline{2010}$ |
| :---: | :---: | :---: |
| Assets |  |  |
| Cash and short-term investments | \$ 108,574,126 | \$ 83,999,208 |
| Receivables: |  |  |
| Contributions receivable | 6,466,028 | 5,168,484 |
| Accrued interest and dividends | 1,761,717 | 1,375,276 |
| Other receivables | 36,158 | 36,687 |
| Total receivables | 8,263,903 | 6,580,447 |
| Prepaid expense | 3,992,521 | 29,386 |
| Investments at fair value: |  |  |
| U. S. Government, agencies, and state obligations | 56,493,742 | 59,209,002 |
| Collateralized mortgage obligations-non govt. | 12,938,181 | 15,462,894 |
| Corporate and municipal obligations | 56,750,545 | 56,175,609 |
| Foreign bonds | 648,455 | 1,199,240 |
| Fixed income collective trusts | 267,296,700 | 258,962,094 |
| Common and preferred stocks | 92,923,467 | 94,410,263 |
| Special situation properties, etc. | 75,387,250 | 64,343,553 |
| Equity mutual collective trusts | 315,744,752 | 308,984,780 |
| Total investments | 878,183,092 | 858,747,435 |
| Invested securities lending collateral | 7,356,607 | 22,025,353 |
| Due from brokers-unsettled trades | - | 3,853,188 |
| Land, building, furniture and equipment-at cost | 3,624,912 | 3,681,132 |
| Other assets | 14,655 | 38,237 |
| Total Assets | \$1,010,009,816 | \$978,954,386 |

Liabilities and net assets held in trust for pension benefits Liabilities:

| Accounts payable and accrued expenses | \$ 438,139 | 620,869 |
| :---: | :---: | :---: |
| Refunds payable | 82,318 | 43,786 |
| Due to Pension Review Board | 166,758 | 177,638 |
| Collateral for securities on loan | 7,356,607 | 22,025,353 |
| Due to brokers-unsettled trades | 293,155 | 304,888 |
| Total liabilities | 8,336,977 | 23,172,534 |
| Net assets held in trust for pension benefits | 1,001,672,839 | 955,781,852 |
| Total Net Assets and Liabilities | \$1,010,009,816 | \$978,954,386 |

See accompanying notes.

# Arkansas Local Police and Fire Retirement System 

## Statement of Changes in Plan Net Assets

Years ended December 31, 2011 and 2010

|  | 2011 | $\underline{2010}$ |
| :---: | :---: | :---: |
| Additions: |  |  |
| Contributions: |  |  |
| Member contributions | \$ 19,340,191 | \$ 18,621,969 |
| Employer contributions | 63,814,398 | 58,942,600 |
| Local plan administrative mergers and paid military time | 5,066,225 | 8,279,405 |
| Total contributions | 88,220,814 | 85,843,974 |
| Investment income: |  |  |
| Net (decrease) increase in fair value of investments | $(11,844,263)$ | 74,657,644 |
| Interest, dividends, and other income | 18,896,135 | 12,825,718 |
| Investment expenses | $(3,134,429)$ | $(4,337,700)$ |
| Total investing income before securities lending | 3,917,443 | 83,145,662 |
| From securities lending activity: |  |  |
| Securities lending income-gross cash earnings | 35,239 | 140,155 |
| Securities lending expenses: |  |  |
| Borrower (rebates) credits | 22,595 | $(30,700)$ |
| Management fees | $(14,474)$ | $(27,400)$ |
| Net income from securities lending activities | 43,360 | 82,055 |
| Total investment income | 3,960,803 | 83,227,717 |
| Total additions | 92,181,617 | 169,071,691 |
| Deductions: |  |  |
| Benefits paid | 41,402,892 | 36,586,520 |
| Refunds of contributions | 1,097,813 | 814,866 |
| Administrative expenses | 1,696,390 | 1,739,807 |
| Deferred retirement option distributions | 2,093,535 | 1,918,136 |
| Total deductions | 46,290,630 | 41,059,329 |
| Net increase in plan net assets | 45,890,987 | 128,012,362 |
| Plan net assets-beginning of year | 955,781,852 | 827,769,490 |
| Plan net assets-end of year | \$1,001,672,839 | \$955,781,852 |

See accompanying notes.

## Arkansas Local Police and Fire Retirement System

## Notes to the Financial Statements

December 31, 2011 and 2010

## Note 1: Plan Description

The Arkansas Local Police and Fire Retirement System (LOPFI) maintains a defined benefit pension plan for local police officers and firefighters hired by the respective local governmental unit after January 1,1983 . LOPFI is an agent PERS responsible for the operation and maintenance of the plan in accordance with Act 364 of the 1981 Arkansas General Assembly. As of December 31, 2011 and 2010, the number of participating political subdivisions was 481 and 468 respectively. At that date membership consisted of the following:

## Membership classification

Retirees and beneficiaries currently receiving benefits:
LOPFI staff
LOPFI police without social security
Local plan police without social security
LOPFI police with social security
LOPFI policemen benefit program 2 without social security
LOPFI fire without social security
LOPFI fire with social security
Local plan fire without social security
LOPFI volunteer fire
Local volunteer fire
Local plan police with social security
LOPFI volunteer police
LOPFI firemen benefit program 2-with social security
LOPFI policemen benefit program 2-with social security
LOPFI firemen benefit program 2 without social security
Subtotal for retirees and beneficiaries
Active employees:
LOPFI staff
Local police with social security
LOPFI police with social security
LOPFI police without social security
Local plan police without social security
LOPFI firemen with social security
LOPFI firemen without social security
Local plan firemen without social security
LOPFI volunteer firemen
Local plan volunteer firemen
LOPFI volunteer police
LOPFI firemen benefit program 2 with social security
LOPFI firemen benefit program 2 without social security
LOPFI policemen benefit program 2 with social security
LOPFI police benefit program 2 without social security
Local plan part paid contributory firemen
Subtotal for active employees
Terminated Vested Members
Total membership

| Number of employees |  |
| ---: | ---: |
| $\underline{2011}$ | $\underline{2010}$ |
| 1 | 1 |
| 198 | 168 |
| 352 | 358 |
| 554 | 497 |
| 49 | 38 |
| 275 | 201 |
| 21 | 16 |
| 637 | 619 |
| 1,182 | 979 |
| 879 | 873 |
| 179 | 174 |
| 36 | 25 |
| 6 | 4 |
| 8 | 7 |
| 37 | 23 |
|  | 3,414 |
|  |  |


| 8 | 8 |
| :---: | :---: |
| 0 | 0 |
| 1,862 | 1,841 |
| 1,174 | 1,190 |
| 4 | 5 |
| 59 | 59 |
| 2,094 | 2,065 |
| 6 | 11 |
| 6,804 | 6,560 |
| 13 | 12 |
| 230 | 174 |
| 38 | 33 |
| 291 | 291 |
| 48 | 46 |
| 373 | 366 |
| 2 | 2 |
| 13,006 | 12,663 |
| 5,113 | 4,539 |
| 22,533 | 21,185 |

# Arkansas Local Police and Fire Retirement System 

Notes to the Financial Statements

December 31, 2011 and 2010

## Note 1: Plan Description (continued):

Included in the above figures for 2011 and 2010 respectively are 2,072 and 2,054 members of the local fire and police pension plans now administered by LOPFI. LOPFI has absorbed both the old plan assets and responsibilities. The benefits of these members are the same as under the local plan legislation. 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. Volunteer service: no employee contribution
d. Paid service-benefit program 2: $8.5 \%$ of gross pay beginning July 1,$2009 ; 6 \%$ prior to that date

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. An individual entry age actuarial cost method of valuation is used in determining normal cost. Because LOPFI is an agent PERS, contribution rates vary from unit to unit, but are all actuarially computed.

Benefit Program 1: Pension benefits to a member with five or more years of credited service in force who has attained his normal retirement age consists 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, 2011, for each year of volunteer service, $\$ 5.98$ per month, to a maximum of \$239.20 monthly.
(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.

## Arkansas Local Police and Fire Retirement System

## Notes to the Financial Statements

December 31, 2011 and 2010

## Note 1: Plan Description (continued)

Benefit Program 2: For each year of paid service rendered on or after the election date of Benefit 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, $3.28 \%$ 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 5 or more years of credited service and terminates employment because of becoming permanently disabled from non-duty related causes. If the disability is determined to be duty related, a benefit is received regardless of the amount of service. Effective July 1, 2001, the duty related disability 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 ten years if a member of a Local Plan and five years if a member of LOPFI past normal retirement age. This deferred retirement option plan ("DROP") is only available to participants having at least 20 years of paid service. The DROP member continues his payroll withholding (if a contributory member), 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 final termination of employment, the employee is paid the balance in his DROP account. At December 31, 2011 and 2010, the DROP accounts totaled $\$ 14,509,546$ and $\$ 12,678,252$ respectively.

## Subsequent Events

Management has evaluated subsequent events through May 10, 2012, the date the financial statements were available to be issued.

## Note 2: Summary of Significant Accounting Policies and Plan Asset Matters

## Basis of Accounting

LOPFI prepares its financial statements using the accrual basis of accounting. Employee and employer contributions are recognized when due and pursuant to formal commitments, as well as statutory or contractual requirements; expenses are recorded when the corresponding liabilities are incurred; and benefits and refunds are recognized when due and payable.

## Furniture and Equipment

Furniture and equipment are capitalized at cost when acquired. The threshold for capitalization is $\$ 1,500$. Maintenance and repairs are charged to expense as incurred. Depreciation is computed using the straight-line method over useful lives of 3 to 5 years for equipment and furniture, and 30 years for buildings. Depreciation expense for 2011 and 2010 was $\$ 142,846$ and $\$ 138,390$ respectively.

# Arkansas Local Police and Fire Retirement System 

## Notes to the Financial Statements

## December 31, 2011 and 2010

## Note 2: Summary of Significant Accounting Policies and Plan Asset Matters (continued)

Cash and Investment Collateralization
Cash balances represent both operating cash accounts held by banks and investment cash held on deposit with the investment custodian. All operating cash accounts are fully insured by the Federal Deposit Insurance Corporation (FDIC) up to $\$ 250,000$. By using the "sweep account" concept, cash balances each night are transferred into an investment trust money market account collateralized as other investments. The bank has pledged pooled U. S. Government Agency Obligations held at the Federal Reserve Bank for all amounts held in trust.

## Method Used to Value Investments

Per GASB No. 25, and effective for 1997, the investments are stated at fair value and are priced by the investment custodian using the last trade price information as supplied by various price data vendors. At December 31, 2011 and 2010, the System did not have investments in any one organization, other than those issued by the U. S. government, which represented greater than five percent of plan net assets.

## Categories of Asset Risks

Credit Risk-As a matter of practice, there are no overall limitations for credit risk exposures within the portfolio. Each portfolio is managed in accordance with operational guidelines that are specific as to permissible credit quality ranges, exposure levels within individual quality tiers, and average credit quality of overall portfolios. The invested securities lending collateral, as well as open ended mutual funds, are not considered securities, and are not categorized for custodial credit risk. All other investments are unrated.

Ratings Dispersion Detail


Foreign Currency Risk-The Plan has no investments denominated in foreign currency that would give rise to any exposure. All Foreign investments are denominated in US currency.

Interest Rate Risk- Interest rate risk is the risk that changes in interest rates will adversely affect the fair value of an investment. Currently the System has no formal policy relating to interest rate risk. The effective duration of fixed income investments by fixed income managers ranges from 3.89 to 7.88 years and averages 6.03 years.

## Securities Lending Program

The board of trustees' investment policy permits the pension trust funds to participate in a securities lending program. Securities lending provides an additional investment option by enhancing current

# Arkansas Local Police and Fire Retirement System 

Notes to the Financial Statements

## December 31, 2011 and 2010

## Note 2: Summary of Significant Accounting Policies and Plan Asset Matters (continued) Securities Lending Program (continued)

income sources. Under this program, collateralized loans of certain securities are made to eligible broker/dealers who participate in the securities lending program. In turn, the borrower pays a predetermined fee to the lender. As custodian for the pension trust funds, Regions Bank provides securities lending services through a partnership with The Bank of New York. The Bank of New York initiated its U.S. lending program in 1977 and its non-U.S. lending program in 1988. As Lending Agent, The Bank of New York requires loans to be collateralized for $102 \%$ of market value plus accrued interest for fixed income securities and $102 \%$ of market value for equities. Both cash and U.S. Government securities are acceptable collateral. All loans are marked-to-market daily to ensure that the margin is properly maintained for the duration of the loan, thereby reducing marginal price risk. At December 31, 2011 and 2010, the term to maturity of the securities lent is matched with the term to maturity of the investment of the cash collateral. These loans can be terminated on demand by either the lender or borrower. LOPFI cannot pledge or sell non-cash collateral unless the borrower defaults. As of December 31, 2011 and 2010 LOPFI had lending arrangements outstanding with a total market value for securities lent of $\$ 7,356,607$ and $\$ 21,504,771$, and a total market value for securities received as collateral of $\$ 7,539,576$ and $\$ 22,025,353$, respectively, resulting in no credit risk to LOPFI. Under the indemnified program, The Bank of New York is responsible for the replacement of the lender's securities that are not returned as a result of a borrower's insolvency, performing daily marks-tomarket, ensuring proper collateralization, and compliance with reinvestment guidelines. Securities lending revenue is shared on a percentage basis between the lender, LOPFI, and the lending agent, The Bank of New York, net of rebates. As a result, there is an incentive for the lending agent to maximize lending earnings. The split is applicable for both positive and negative earnings and there are no hidden fees associated with the program. In addition, The Bank of New York does not charge any money management fee on the reinvestment of cash collateral. Under the current agreement, LOPFI receives $70 \%$ of the net securities lending revenue with The Bank of New York receiving $30 \%$. Regions Bank, the custodian, does not receive any revenue from this securities lending arrangement. The net income earned from securities lending was $\$ 43,360$ for 2011 and $\$ 82,055$ for 2010.

## Note 3: Contributions and Reserves

The respective units of local government are obligated by State law to make all required contributions to the LOPFI plan. The required contributions are expressed as a percentage of covered payroll and are actuarially determined using an individual entry age actuarial cost method. Costs of administering the plan is financed from either the contributions or investment income. State law specifies net assets be segregated into the following reserves:

|  | $\underline{\underline{2011}}$ |  | $\underline{2010}$ |  |
| :--- | ---: | ---: | ---: | ---: |
| Member's Deposit Account | $\$$ | $157,307,599$ | $\$$ | $140,946,976$ |
| Employer Accumulation Account |  | $444,545,020$ |  | $482,464,036$ |
| Retirement Reserve Account |  | $383,046,249$ |  | $319,692,588$ |
| Income-Expense Account | 0 |  | 0 |  |
| Deferred Retirement Option Plan |  | $14,509,546$ |  | $12,678,252$ |

# Arkansas Local Police and Fire Retirement System 

Notes to the Financial Statements

December 31, 2011 and 2010

## Note 4: Employee Pension Program

Under the LOPFI plan, LOPFI employees are eligible for full benefits (1) at age sixty with five years of service, (2) at any age with twenty-eight years of service, or (3) at age fifty-five with twenty years of service (full retirement), (4) at age fifty with twenty years of service (reduced $1 / 2$ of $1 \%$ for each month under age 55); or (5) at any age with 25 years of paid service (reduced $1 / 2$ of $1 \%$ for each month under age 55). The normal retirement benefit is determined by the member's final average salary and the number of years of service. For 2009, 2010, and 2011, LOPFI recorded as administrative expense of $\$ 115,131, \$ 99,068$, and $\$ 109,845$ respectively. Amounts shown as administrative expense for these years were transferred to member and employer deposit accounts of LOPFI.

## Note 5: Funded Status and Funding Progress

The Schedule of Funding Progress immediately following the notes to the financial statements presents multi-year trend information about whether the actuarial value of plan assets is increasing or decreasing relative to the actuarial accrued liability for benefits over time. At December 31, 2011, the actuarial value of plan assets was $\$ 1,070,685,918$ and the actuarial accrued liability was $\$ 1,654,156,087$, resulting in a total unfunded actuarial liability of $\$ 583,470,169$ and a funded ratio of $65 \%$. In addition, for 2011 the annual covered payroll was $\$ 275,850,081$, and the ratio of the total unfunded actuarial accrued liability to annual covered payroll was $212 \%$.

The entry age normal actuarial cost method of valuation is used in determining liabilities and normal cost. Differences in the past between assumed experience and actual experience ("actuarial gains and losses") become part of actuarial accrued liabilities. Unfunded actuarial accrued liabilities are amortized to produce payments (principal and interest) which are expressed as a percent of payroll. The amortization period used for the December 31, 2011 valuations was 30 years using a level percent open method. For local plans under LOPFI administration, a level percent closed method of varying periods is used. The actuarial value of assets is based on a five year smoothed market method with a $20 \%$ market value corridor. The investment return rate used is $8 \%$ per year. The inflation rate assumed is $4 \%$ per year. Projected salary increase assumptions range from $4 \%$ to $10 \%$ including a wage inflation rate of $4 \%$ per year. A cost of living adjustment (COLA) is based on a $3 \%$ compound escalator for the LOPFI plan only. A number of local plans under LOPFI administration have guaranteed post-retirement benefit increases.

## Arkansas Local Police and Fire Retirement System <br> Required Supplementary Information

Schedule of Funding Progress

| Actuarial | Actuarial Value of | Actuarial Accrued <br> Liability (AAL) | Unfunded AAL | Funded |  | UAAL as a Percentage of Covered |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Valuation Date | Assets <br> (a) | Entry Age <br> (b) | (UAAL) <br> (c) | Ratio <br> (d) | Annual Covered Payroll | Payroll $(b-a) / c$ |
| 12/31/02* | 515,600,263 | 534,533,175 | 18,932,912 | 96 | 163,420,616 | 12 |
| 12/31/03 + \# | 553,057,228 | 625,021,624 | 71,964,396 | 88 | 178,850,477 | 40 |
| 12/31/04 * \# | 601,798,909 | 754,004,285 | 152,205,376 | 80 | 193,670,943 | 79 |
| 12/31/05 \# | 653,546,976 | 842,926,984 | 189,380,008 | 78 | 207,342,091 | 90 |
| 12/31/06 | 724,746,827 | 927,816,659 | 203,069,832 | 78 | 222,107,556 | 91 |
| 12/31/07 | 827,546,002 | 1,054,599,720 | 227,053,718 | 78 | 235,337,218 | 96 |
| 12/31/08 * + | 788,633,082 | 1,200,515,663 | 411,882,581 | 66 | 245,775,341 | 168 |
| 12/31/09 | 878,958,364 | 1,379,093,412 | 500,135,048 | 64 | 265,123,993 | 189 |
| 12/31/10 | 982,154,992 | 1,519,527,855 | 537,372,863 | 65 | 268,424,127 | 200 |
| 12/31/11 | 1,070,685,918 | 1,654,156,087 | 583,470,169 | 65 | 275,850,081 | 212 |

* After legislated benefit increases for LOPFI members
+ After changes in actuarial assumptions
\# Revised in 2009 for actuarial corrections.
Schedule of Employer Contributions

| Fiscal year <br> ending | Annual Required <br> Contribution |  | Percent <br> Contributed |
| :---: | :---: | :---: | :---: |
| $12 / 31 / 02$ | $18,261,057$ |  | $100 \%$ |
| $12 / 31 / 03$ | $18,712,140$ |  | $100 \%$ |
| $12 / 31 / 04$ | $26,925,018$ |  | $100 \%$ |
| $12 / 11 / 05$ | $30,184,341$ |  | $100 \%$ |
| $12 / 31 / 06$ | $39,758,875$ |  | $100 \%$ |
| $12 / 31 / 07$ | $43,362,966$ |  | $100 \%$ |
| $12 / 31 / 08$ | $49,518,628$ |  | $100 \%$ |
| $12 / 31 / 09$ | $53,051,887$ |  | $100 \%$ |
| $12 / 31 / 10$ | $58,654,842$ |  | $100 \%$ |
| $12 / 31 / 11$ | $61,818,119$ |  | $100 \%$ |

## Note to the required supplementary information

Actuarial methods \& assumptions for valuation performed December 31, 2011 The entry age normal actuarial cost method of valuation is used in determining liabilities and normal cost. Differences in the past between assumed experience and actual experience ("actuarial gains and losses") become part of actuarial accrued liabilities. Unfunded actuarial accrued liabilities are amortized to produce payments (principal and interest) which are expressed as a percent of payroll. The amortization period used for the December 31, 2011 valuations was 30 years using a level percent open method. For local plans under LOPFI administration, a level percent closed method of varying periods is used. The actuarial value of assets is based on a five year smoothed market method with a $20 \%$ market value corridor. The investment return rate used is $8 \%$ per year. The inflation rate assumed is $4 \%$ per year. Projected salary increase assumptions range from $4 \%$ to $10 \%$ including a wage inflation rate of $4 \%$ per year. A cost of living adjustment (COLA) is based on a $3 \%$ compound escalator for the LOPFI plan only. A number of local plans under LOPFI administration have guaranteed post-retirement benefit increases.

## Arkansas Local Police and Fire Retirement System

## Schedule of Administrative and Investment Expenses

Years ended December 31, 2011 and 2010

| Personnel Services | 2011 |  | $\underline{2010}$ |  |
| :---: | :---: | :---: | :---: | :---: |
| Staff salaries | \$ | 344,600 | \$ | 323,301 |
| Social security tax |  | 37,429 |  | 36,242 |
| Staff retirement plan contribution |  | 109,845 |  | 99,068 |
| Health insurance |  | 55,399 |  | 59,117 |
| Unemployment insurance |  | 1,368 |  | 1,088 |
| Total personnel services |  | 548,641 |  | 518,816 |
| Professional Services |  |  |  |  |
| Actuarial services |  | 247,300 |  | 250,698 |
| Professional accounting services |  | 9,300 |  | 9,050 |
| Legal consultation |  | 92,930 |  | 91,000 |
| Data processing |  | 427,960 |  | 456,474 |
| Medical advisor |  | 50,323 |  | 45,457 |
| Total professional services |  | 827,813 |  | 852,679 |
| Communications |  |  |  |  |
| Printing |  | 21,618 |  | 25,398 |
| Telephone |  | 13,103 |  | 46,557 |
| Postage |  | 21,448 |  | 28,858 |
| Meetings and travel |  | 14,607 |  | 16,215 |
| Total communications |  | 70,776 |  | 117,028 |
| Miscellaneous |  |  |  |  |
| Insurance-bond and property |  | 76,642 |  | 76,642 |
| Office equipment rent |  | 12,068 |  | 12,411 |
| Depreciation |  | 142,846 |  | 138,390 |
| Publications |  | 353 |  | 1,114 |
| Office supplies |  | 15,151 |  | 21,393 |
| Other miscellaneous |  | 2,100 |  | 1,334 |
| Total miscellaneous |  | 249,160 |  | 251,284 |
| Total administrative expenses |  | 1,696,390 |  | 1,739,807 |
| Investment expenses |  |  |  |  |
| Investment manager fees |  | 2,601,429 |  | 3,813,796 |
| Custodial fees |  | 216,000 |  | 216,000 |
| Investment consulting fee |  | 250,000 |  | 250,000 |
| Investment monitoring fee |  | 67,000 |  | 57,904 |
| Total investment expenses |  | 3,134,429 |  | 4,337,700 |
| Total administrative and investment expenses | \$ | 4,830,819 |  | 6,077,507 |

See accompanying Independent Auditor's Report.

## Arkansas Local Police and Fire Retirement System

## Schedule of Actual versus Budgeted Expenses

Year ended December 31, 2011

| Personnel Services | Budgeted $\$ 588,718$ | $\underline{\text { Actual }}$ | Favorable <br> (Unfavorable)$\$ 40,077$ |
| :---: | :---: | :---: | :---: |
| Professional Services |  |  |  |
| Actuarial services | 247,300 | 247,300 | - |
| Professional accounting services | 9,400 | 9,300 | 100 |
| Legal consultation (1) | 92,500 | 92,930 | (430) |
| Data processing | 428,000 | 427,960 | 40 |
| Medical advisor (2) | 47,000 | 50,323 | $(3,323)$ |
| Total professional services | 824,200 | 827,813 | $(3,613)$ |
| Communications |  |  |  |
| Printing | 25,500 | 21,618 | 3,882 |
| Telephone | 16,800 | 13,103 | 3,697 |
| Postage | 21,550 | 21,448 | 102 |
| Meetings and travel | 25,100 | 14,607 | 10,493 |
| Total communications | 88,950 | 70,776 | 18,174 |
| Miscellaneous |  |  |  |
| Insurance-bond and property | 77,100 | 76,642 | 458 |
| Office equipment rent | 14,300 | 12,068 | 2,232 |
| Depreciation | 142,846 | 142,846 | - |
| Publications | 2,200 | 353 | 1,847 |
| Office supplies | 21,000 | 15,151 | 5,849 |
| Other miscellaneous | 3,000 | 2,100 | 900 |
| Total miscellaneous | 260,446 | 249,160 | 11,286 |
| Total administrative expenses | 1,762,314 | 1,696,390 | 65,924 |
| Investment expenses |  |  |  |
| Investment manager fees | 3,717,971 | 2,601,429 | 1,116,542 |
| Custodial fees | 216,000 | 216,000 | - |
| Investment consulting fee | 250,000 | 250,000 | - |
| Investment monitoring fee | 67,000 | 67,000 | - |
| Total investment expenses | 4,250,971 | 3,134,429 | 1,116,542 |
| Total administrative and investment expenses | \$6,013,285 | \$4,830,819 | \$1,182,466 |

(1) Legal expenses include an amount of $\$ 265$ in addition to the quarterly retainer. The additional amount represents filing fees associated with the collection of an overpaid benefit.
(2) Medical Advisor expense exceeded budget due to a greater number of disability cases than expected.

See accompanying Independent Auditor's Report.


## Stephens Inc.

May 2012

## 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 portfolio structure is based on the Fund's Investment Policy and the targeted asset mix is consistent with the long-term investment objectives and risk parameters of the Plan. The portfolio's current allocations fall in the permissible range as stated in the Investment Policy and are as follows:

| Domestic Equities | Allocation <br> As of 12/31/11 | Permissible <br> Range |
| :--- | :---: | ---: |
| Value | 13 | $15-30 \%$ |
| $\quad$ Growth | 12 | $15-30 \%$ |
| Small | 5 | $10-20 \%$ |
| Foreign Equities | 7 | $0-10 \%$ |
| Index | 10 | $5-15 \%$ |
| US Bonds | 31 | $20-50 \%$ |
| Foreign Bonds | 7 | $0-10 \%$ |
| Alternative Investments | 9 | $0-10 \%$ |
| Cash | 6 | $0-20 \%$ |

LOPFI's portfolio was down $0.42 \%$ * for the fiscal year ended 2011 versus the comparative index return of 2.20\%*。

The ending market value of the LOPFI portfolio as of December 31, 2011 was $\$ 965.2$ million which includes balances held in the liquidation account (as reported by the custodian, Regions Morgan Keegan Trust).

Sincerely,


* Thistle Asset Consulting employs monthly time-weighted performance measurement techniques. These reporting techniques 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, all foreign investments are denominated in US Currency.

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

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

## LOPFI INVESTMENT PERFORMANCE Ten Year History

| ANNUAL VALUES Investment Return \% (TW*) For Period [Asset Market Value (millions) End of Period] |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Period Ended | Total Fund | $\begin{gathered} \text { Inflation } \\ +3 \% * * \end{gathered}$ | Equities | Fixed Income | Cash |
| 12/31/02 | $\begin{array}{r} -10.42 \% \\ {[\$ 428.70]} \end{array}$ | 5.5\% | $\begin{array}{r} -19.0 \% \\ {[\$ 243.61]} \end{array}$ | $\begin{array}{r} 7.9 \% \\ {[\$ 172.32]} \end{array}$ | $\begin{array}{r} 0.4 \% \\ {[\$ 12.77]} \end{array}$ |
| 12/31/03 | $\begin{gathered} 22.82 \% \\ {[\$ 529.86]} \end{gathered}$ | 4.9\% | $\begin{array}{r} 33.54 \% \\ {[\$ 329.87]} \end{array}$ | $\begin{array}{r} 7.86 \% \\ {[\$ 185.33]} \end{array}$ | $\begin{array}{r} 5.97 \% \\ {[\$ 14.66]} \end{array}$ |
| 12/31/04 | $\begin{gathered} 8.79 \% \\ {[\$ 601.35]} \end{gathered}$ | 6.6\% | $\begin{array}{r} 10.75 \% \\ {[\$ 363.27]} \end{array}$ | $\begin{array}{r} 4.78 \% \\ {[\$ 211.48]} \end{array}$ | $\begin{gathered} 11.50 \% \\ {[\$ 11.31]} \end{gathered}$ |
| 12/31/05 | $\begin{gathered} 2.92 \% \\ {[\$ 637.94]} \end{gathered}$ | 6.6\% | $\begin{array}{r} 4.71 \% \\ {[\$ 366.01]} \end{array}$ | $\begin{array}{r} -0.37 \% \\ {[\$ 247.11]} \end{array}$ | $\begin{gathered} 19.68 \% \\ {[\$-29.35]} \end{gathered}$ |
| 12/31/06 | $\begin{array}{r} 10.60 \% \\ {[\$ 720.75]} \end{array}$ | 5.8\% | $\begin{array}{r} 13.32 \% \\ {[\$ 488.73]} \end{array}$ | $\begin{array}{r} 4.47 \% \\ {[\$ 267.16]} \end{array}$ | $\begin{gathered} -9.68 \% \\ {[\$-35.15]} \end{gathered}$ |
| 12/31/07 | $\begin{gathered} 11.52 \% \\ {[\$ 808.88]} \end{gathered}$ | 7.1\% | $\begin{array}{r} 13.07 \% \\ {[\$ 528.41]} \end{array}$ | $\begin{array}{r} 6.67 \% \\ {[\$ 300.22]} \end{array}$ | $\begin{gathered} \hline-11.29 \% \\ {[\$-19.72]} \end{gathered}$ |
| 12/31/08 | $\begin{array}{r} -25.54 \% \\ {[\$ 622,321]} \end{array}$ | 3.1\% | $\begin{array}{r} -39.85 \% \\ {[\$ 317,201]} \end{array}$ | $\begin{array}{r} -0.27 \% \\ {[\$ 324,485]} \end{array}$ | $\begin{aligned} & -34.40 \% \\ & {[\$-19.35]} \end{aligned}$ |
| 12/31/09 | $\begin{gathered} 18.07 \% \\ {[\$ 811,937]} \end{gathered}$ | 5.7\% | $\begin{array}{r} 27.75 \% \\ {[\$ 411,003]} \end{array}$ | $\begin{array}{r} 11.10 \% \\ {[\$ 328,637]} \end{array}$ | $\begin{gathered} \hline 2.03 \% \\ {[\$ 72,307]} \end{gathered}$ |
| 12/31/10 | $\begin{gathered} 10.68 \% \\ {[\$ 935,008]} \end{gathered}$ | 4.6\% | $\begin{array}{r} 14.33 \% \\ {[\$ 528,115]} \end{array}$ | $\begin{array}{r} 7.58 \% \\ {[354,755]} \end{array}$ | $\begin{array}{r} -2.00 \% \\ {[\$ 71,145]} \end{array}$ |
| 12/31/11 | $\begin{gathered} -0.42 \% \\ {[\$ 965,161]} \end{gathered}$ | 6.0\% | $\begin{array}{r} 11.98 \% \\ {[\$ 532,178]} \end{array}$ | $\begin{array}{r} 3.92 \% \\ {[\$ 368,899]} \end{array}$ | $\begin{gathered} 0.56 \% \\ {[\$ 83,299]} \end{gathered}$ |

## QUARTERLY VALUES (RETURNS)

| Period Ended | Total Fund | Equities | Fixed Income |
| :---: | :---: | :---: | :---: |
|  |  |  |  |
| $12 / 31 / 2011$ | $4.53 \%$ | $8.45 \%$ | $0.19 \%$ |

12/31/2011
4.53\%
8.45\%
0.19\%

EQUITIES means common stocks and real estate
FIXED INCOME means long-term debt investment and convertibles
CASH means cash and cash equivalents (short term debt)
TOTAL FUND means equities plus fixed income plus cash (Net of investment fees beginning 2008)

* Time-weighted based on market rate of return and trade date of transactions
**December 31 to December 31


| ARKANSAS LOPFI RETIREMENT SYSTEM <br> Performance Evaluation Summary (Net Returns) <br> All calculations are time-weighted based on the market values and trade date of each transaction received from the bank |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| December 31, 2011 |  |  |  |  |  |  |  |  |  |  |
|  | Current <br> Quarter | $\underline{Y T D}$ | One Year | Three Years | Five Years | $\underline{2010}$ | $\underline{2009}$ | $\underline{2008}$ | $\underline{2007}$ | $\underline{2006}$ |
| TOTAL FUND NET OF FEES (Inc. 12/31/1997) |  |  |  |  |  |  |  |  |  |  |
| Calendar Year End |  |  |  |  |  |  |  |  |  |  |
| Fund Return | 4.53\% | -0.42\% | -0.42\% | 9.17\% | 1.10\% | 10.68\% | 18.07\% | $-25.54 \%$ | 8.98\% | 10.14\% |
| Fund Ranking | 100 | 76 | 76 | 100 | 52 | 99 | 100 | 17 | 4 | 78 |
| Policy Return * | 6.35\% | 2.20\% | 2.20\% | 11.71\% | 2.60\% | 14.05\% | 19.60\% | -22.87\% | 5.75\% | 12.59\% |
| Policy Ranking | 77 | 12 | 12 | 77 | 3 | 31 | 98 | 3 | 50 | 17 |
| TOTAL EQUITIES (including cash)(Inc. 12/31/1997) |  |  |  |  |  |  |  |  |  |  |
| Fund Return | 8.45\% | -3.29\% | -3.29\% | 11.98\% | -1.56\% | 14.33\% | 26.99\% | -39.82\% | 9.38\% | 12.76\% |
| Fund Ranking | 100 | 76 | 76 | 95 | 94 | 93 | 84 | 76 | 22 | 75 |
| Policy Return** | 12.18\% | -0.83\% | -0.83\% | 14.47\% | -0.33\% | 18.12\% | 28.06\% | -36.98\% | 4.05\% | 17.39\% |
| Policy Ranking | 24 | 31 | 31 | 44 | 60 | 25 | 72 | 33 | 77 | 9 |
| TOTAL FIXED INCOME (including cash)(Inc. 12/31/1997) |  |  |  |  |  |  |  |  |  |  |
| Fund Return | 0.19\% | 3.92\% | 3.92\% | 7.51\% | 6.09\% | 7.58\% | 11.13\% | 0.51\% | 7.62\% | 4.97\% |
| Fund Ranking | 100 | 86 | 86 | 74 | 22 | 43 | 71 | 15 | 2 | 80 |
| Policy Return*** | 0.73\% | 6.87\% | 6.87\% | 5.94\% | 6.45\% | 6.12\% | 4.85\% | 6.33\% | 8.12\% | 4.52\% |
| Policy Ranking | 93 | 43 | 43 | 93 | 13 | 61 | 98 | 2 | 1 | 95 |
| * $13.5 \%$ R1000V , $13.5 \%$ R1000G, $6 \%$ R2000, $8 \%$ EAFE, $15 \%$ BCAB, $15 \%$ BCIGC, $7 \%$ Non-US Bond, $5 \%$ LPX MM, $1.5 \%$ IGF S\&P, $1.5 \%$ NCREIF, $4 \%$ TBill **37\% R1000V, 32\% R1000G, 24\% R2000, 7\% EAFE *** $41 \%$ BCIGC, $40 \%$ BCGC \& 19\% Non US Bond <br> Gold indicates equal to or beat the index, or in upper $40 \%$ of universe Red indicates bottom $40 \%$ of universe |  |  |  |  |  |  |  |  |  |  |

## ARKANSAS LOPFI RETIREMENT SYSTEM

 Performance Evaluation Summary (Net Returns)| December 31, 2011 |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Current <br> Quarter | One Year | Three Years | Five Years | $\underline{2010}$ | $\underline{2009}$ | $\underline{2008}$ | $\underline{2007}$ | $\underline{2006}$ |
| WELLINGTON EQUITY (Inc. 12/31/1997) |  |  |  |  |  |  |  |  |  |
| Calendar Year End |  |  |  |  |  |  |  |  |  |
| Return | 6.39\% | -8.57\% | 14.09\% | 0.60\% | 19.69\% | 35.69\% | -40.14\% | 15.93\% | 4.57\% |
| Ranking (Broad Large Cap Growth) | 99 | 96 | 64 | 57 | 9 | 39 | 58 | 28 | 78 |
| Policy Return (R1000G) | 10.61\% | 2.64\% | 18.02\% | 2.50\% | 16.71\% | $37.21 \%$ | -38.44\% | 11.81\% | 9.07\% |
| BARROW HANLEY LARGE CAP VALUE (Inc. 12/31/2005) |  |  |  |  |  |  |  |  |  |
| Return | 12.65\% | 1.99\% | 11.70\% | -1.32\% | 10.92\% | 23.19\% | -35.12\% | 3.50\% | 16.66\% |
| Ranking (Broad Large Cap Value) | 24 | 30 | 73 | 57 | 90 | 62 | 29 | 54 | 57 |
| Policy Return (R1000V) | 13.11\% | 0.39\% | 11.55\% | -2.64\% | 15.51\% | 19.69\% | -36.85\% | -0.17\% | 22.25\% |
| 300 NORTH CAPITAL SMALL CAP EQUITY(Inc. 12/31/1997)[formerly PIC] |  |  |  |  |  |  |  |  |  |
| Return | 9.95\% | -8.26\% | 17.27\% | -0.23\% | 27.34\% | 38.05\% | -46.81\% | 15.22\% | 12.24\% |
| Ranking (Broad Small Cap Growth) | 95 | 99 | 64 | 82 | 45 | 39 | 93 | 33 | 46 |
| Policy Return (R2000G) | 14.99\% | -2.91\% | 19.00\% | 2.09\% | 29.09\% | $34.47 \%$ | -38.54\% | 7.05\% | 13.34\% |
| FISHER INVESTMENTS INTERNATIONAL EQUITY (12/31/2001) |  |  |  |  |  |  |  |  |  |
| Return | 8.24\% | -12.00\% | 11.20\% | -2.71\% | 11.34\% | 40.34\% | -45.82\% | 17.02\% | 18.68\% |
| Ranking (International Equity) | 1 | 29 | 26 | 30 | 44 | 21 | 61 | 24 | 100 |
| Policy Return (MSCI ACWI ex US) | 3.77\% | -13.33\% | 7.70\% | -4.51\% | 8.82\% | 32.46\% | -43.06\% | 11.63\% | 26.86\% |
| Gold indicates equal to or beat the index, or in upper $40 \%$ of universe Red indicates bottom $40 \%$ of universe |  |  |  |  |  |  |  |  |  |

Thitifle Asset Cmurulting (B)

ARKANSAS LOPFI RETIREMENT SYSTEM Performance Evaluation Summary (Net Returns)


SSGA FLAGSHIP INDEX FUND[Flagship only Inc. 03/31/2011] (Inc. 01/31/2005)

| Return | 11.79\% | 2.09\% | 13.31\% | -1.81\% | 13.69\% | 25.35\% | -38.85\% | 2.61\% | 15.60\% |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Ranking (Broad Large Cap Core) | 39 | 16 | 70 | 85 | 65 | 77 | 83 | 87 | 39 |
| Policy Return (SEP 500) | 11.82\% | 2.11\% | 14.11\% | -0.25\% | 15.06\% | 26.46\% | -37.00\% | 5.49\% | 15.80\% |
| GLOBAL CURRENTS INTERNATIONAL EQUITY (Inc. 1/31/2005)[formerly Brandywine] |  |  |  |  |  |  |  |  |  |


| Return | 3.80\% | -10.86\% | 7.41\% | -5.29\% | 4.62\% | 32.89\% | -43.05\% | 7.95\% | 24.53\% |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Ranking (International Equity) | 64 | 19 | 62 | 71 | 93 | 49 | 42 | 78 | 82 |
| Policy Return (MSCI EAFE) | 3.38\% | -11.73\% | 8.15\% | -4.26\% | 8.21\% | $32.46 \%$ | -43.06\% | 11.63\% | 26.86\% |

DODGE \& COX LARGE CAP EQUITY (Inc. 12/31/2005)

| Return | 11.17\% | -4.08\% | 12.59\% | -3.18\% | 13.36\% | 31.26\% | -43.31\% | 5.14\% | 12.92\% |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Ranking (Broad Large Cap Core) | 66 | 89 | 78 | 94 | 68 | 29 | 100 | 55 | 73 |
| Policy Return (SEP 500) | 11.82\% | 2.11\% | 14.11\% | -0.25\% | 15.06\% | 26.46\% | -37.00\% | 5.49\% | 15.80\% |

Gold indicates equal to or beat the index, or in upper $40 \%$ of universe Red indicates bottom $40 \%$ of universe

## 

ARKANSAS LOPFI RETIREMENT SYSTEM Performance Evaluation Summary (Net Returns)


Gold indicates equal to or beat the index, or in upper $40 \%$ of universe
Red indicates bottom $40 \%$ of universe

## (4) Ul liste Asart Consulling (d)

ARKANSAS LOPFI RETIREMENT SYSTEM
Performance Evaluation Summary (Net Returns)

| December 31, 2011 |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Current | One Year | Three Years | Calendar Year End |  |  |  |  |  |
|  | Quarter |  |  | Five Years | 2010 | $\underline{2009}$ | $\underline{2008}$ | $\underline{2007}$ | 2006 |
| MEZZANINE PARTNERS KKK(Inception 8/31/2010) |  |  |  |  |  |  |  |  |  |
|  |  | 2-Qtrs | 3-Qtrs | 1-Year |  | lendar | End |  |  |
| Return | -40.14\% | -55.85\% | -37.70\% | -59.40\% | $n / a$ | $n / a$ | $n / a$ | $n / a$ | $n / a$ |
| Policy Return (SEP500) | 11.82\% | -3.69\% | -3.59\% | 2.11\% | $n / a$ | $n / a$ | $n / a$ | $n / a$ | $n / a$ |
| CITGO LIMITED PARTNERSHIP(Inception 01/31/2011) |  |  |  |  |  |  |  |  |  |
|  |  | 2-Qtrs | 3-Qtrs |  |  |  |  |  |  |
| Return | -1.24\% | -0.93\% | 3.73\% | $n / a$ | $n / a$ | $n / a$ | $n / a$ | $n / a$ | $n / a$ |
| Policy Return (SEP500) | 11.82\% | -3.69\% | -3.59\% | $n / a$ | $n / a$ | $n / a$ | $n / a$ | $n / a$ | $n / a$ |
| PIMCO BRAVO(Inception 03/31/2011) |  |  |  |  |  |  |  |  |  |
|  |  | 2-Qtrs | 3-Qtrs |  |  |  |  |  |  |
| Return | 0.69\% | 2.95\% | 4.73\% | $n / a$ | $n / a$ | $n / a$ | $n / a$ | $n / a$ | $n / a$ |
| Policy Return (SEP500) | 11.82\% | -3.69\% | -3.59\% | $n / a$ | $n / a$ | $n / a$ | $n / a$ | $n / a$ | $n / a$ |


| GOLDMAN SACHS COMMODITY OPPORTUNITES (Inception 09/30/2011) |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Return | -1.73\% | $n / a$ | $n / a$ | $n / a$ | $n / a$ | $n / a$ | $n / a$ | $n / a$ | $n / a$ |
| Policy Return (SEP500) | 11.82\% | $n / a$ | $n / a$ | $n / a$ | $n / a$ | $n / a$ | $n / a$ | $n / a$ | $n / a$ |

Gold indicates equal to or beat the index, or in upper $40 \%$ of universe
Red indicates bottom $40 \%$ of universe

| December 31, 2011 |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Current |  |  |  |  | lendar | End |  |  |
| Quarter | One Year | Three Years | Five Years | $\underline{2010}$ | 2009 | $\underline{2008}$ | $\underline{2007}$ | $\underline{2006}$ |
| ABERDEEN ASSET MANAGEMENT INTERNATIONAL BOND(Inc. 12/31/1997) |  |  |  |  |  |  |  |  |


| Return | $-1.04 \%$ | $3.51 \%$ | $5.07 \%$ | $6.33 \%$ | $4.71 \%$ | $7.02 \%$ | $7.00 \%$ | $9.52 \%$ | $6.59 \%$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Ranking(International Fixed Income) | 100 | 91 | 96 | 36 | 78 | 86 | 1 | 1 | 10 |
| Policy Return (Citigroup Non US <br> Dollar Bond) | $-0.48 \%$ | $5.17 \%$ | $4.92 \%$ | $7.23 \%$ | $5.21 \%$ | $4.39 \%$ | $10.11 \%$ | $11.46 \%$ | $6.94 \%$ |
|  |  | PIMCO INTERMEDIATE BOND (Inc.09/30/2002) |  |  |  |  |  |  |  |


| Return | $2.22 \%$ | $4.15 \%$ | $6.77 \%$ | $6.88 \%$ | $7.06 \%$ | $9.15 \%$ | $5.71 \%$ | $8.42 \%$ | $4.22 \%$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Ranking (Intermediate Fixed) | 10 | 86 | 82 | 20 | 59 | 76 | 6 | 1 | 98 |
| Policy Return (BCIGC) | $0.84 \%$ | $5.80 \%$ | $5.64 \%$ | $5.88 \%$ | $5.89 \%$ | $5.24 \%$ | $5.08 \%$ | $7.40 \%$ | $4.07 \%$ |


|  |  |  |  |  |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Return | $-2.30 \%$ | $4.12 \%$ | $10.91 \%$ | $4.77 \%$ | $10.80 \%$ | $18.25 \%$ | $-12.15 \%$ | $5.33 \%$ | $5.24 \%$ |
| Ranking (Broad Fixed) | 100 | 71 | 32 | 47 | 16 | 34 | 70 | 28 | 61 |
| Policy Return (BCAB) | $1.12 \%$ | $7.86 \%$ | $6.78 \%$ | $6.51 \%$ | $6.56 \%$ | $5.93 \%$ | $5.24 \%$ | $6.96 \%$ | $4.33 \%$ |


| Return | $1.18 \%$ | $3.47 \%$ | $6.80 \%$ | $6.63 \%$ | $6.94 \%$ | $10.09 \%$ | $4.80 \%$ | $7.96 \%$ | $4.01 \%$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Ranking (Broad Fixed) | 69 | 76 | 72 | 15 | 39 | 68 | 11 | 6 | 92 |
| Policy Return (BCGC) | $1.18 \%$ | $8.72 \%$ | $6.60 \%$ | $6.55 \%$ | $6.59 \%$ | $4.53 \%$ | $5.71 \%$ | $7.25 \%$ | $3.77 \%$ |

) (Thistle Asset Cunsillting (U)
ARKANSAS LOPFI RETIREMENT SYSTEM



ARKANSAS LOPFI RETIREMENT SYSTEM

TOTAL ANNUAL RETURNS 2007-2011( Net of Investment Management Fees beginning 2008)
(Thistle Asset Consulting's calculations are time-weighted and based on the trade date of all transactions)
5 Years Annualized (Shorter periods as ndicated)
$0.60 \%$ $0.60 \%$
$-1.32 \%$
$-0.23 \%$
$-2.71 \%$ $-4.57 \%$
 6.33\% -1.81\%
 $\stackrel{\circ}{\stackrel{\circ}{c}}$ 1.50\% -3.15\% $-2.86 \%$
$0.00 \%$ 5.77\%
 $3.73 \%$
$4.73 \%$ -1.73\% 1.10\%
$-0.42 \%$
10.68\%
18.07\%
 8.98\%

TOTAL FUND




## Arkansas Local Police \& Fire Retirement System <br> Schedule of Investment Expenses <br> As of December 31, 2011

| Professional / Consultant | Nature of Service | Amount |  |
| :---: | :---: | :---: | :---: |
| 300 North Capital - Small Cap Growth Equity | Money Manager | \$ | 465,128.00 |
| Aberdeen Asset - International Fixed Income | Money Manager | \$ | 243,085.21 |
| Barrow, Hanley - Large Cap Value - Equity | Money Manager | \$ | 255,554.00 |
| Chickasaw | Money Manager | \$ | 162,498.31 |
| Garcia Hamilton - Core Fixed Income | Money Manager | \$ | 128,517.19 |
| Global Currents - International Equity | Money Manager | \$ | 137,086.36 |
| Fisher Investments - International Equity | Money Manager | \$ | 193,768.99 |
| KKR | Money Manager | \$ | 37,500.00 |
| PIMCO - International Fixed Income | Money Manager | \$ | $(2,597.63)$ |
| State Street - Large Cap Core Equity | Money Manager | \$ | 45,009.04 |
| WAMCO - Aggregate Fixed Income | Money Manager | \$ | 420,798.86 |
| Wellington - Large Cap Growth - Equity | Money Manager | \$ | 515,080.48 |
| Total Investment Fees |  | \$ | 2,601,428.81 |
| Regions Bank | Custodial Service | \$ | 216,000.00 |
| Stephens | Investment Consultant | \$ | 250,000.00 |
| Thistle Asset Consulting, Inc. | Investment Monitoring | \$ | 67,000.00 |

The old PIMCO account was liquidated prior to the end of 2010, therefore; a portion of the 4th quarter Manager Fee was refunded in 2011. Funds from the old PIMCO fund were reinvested in the new PIMCO fund in December 2010. Additional information on investment management and consulting fees can be found in the Financial Section in the Schedule of Administrative and Investment Expenses on page 33.

Arkansas Local Police \& Fire Retirement System
Schedule of Broker Commissions
Year Ending December 31, 2011

| Brk \# | Broker Name | Broker Commissions | Gross Price of Assets |
| :---: | :---: | :---: | :---: |
| 100 | CONVERGEX | \$2,776.50 | \$2,457,518.64 |
| 13 | SANFORD C. BERNSTEIN AND CO., LLC | \$192.50 | \$236,901.10 |
| 161 | MERRILL LYNCH, PIERCE, FENNER and | \$2,366.19 | \$2,087,896.13 |
| 180 | NOMURA SECURITIES INTERNATIONAL,INC. | \$522.00 | \$245,394.52 |
| 19 | JEFFERIES and CO, INC | \$537.65 | \$1,603,830.61 |
| 226 | NATIONAL FINANCIAL SERVICES CORPORATION | \$78.00 | \$353,719.60 |
| 235 | RBC DAIN RAUSCHER INC | \$12,593.66 | \$4,838,198.56 |
| 295 | KNIGHT CLEARING SERVICES LLC | \$13.50 | \$47,274.66 |
| 308 | LAZARD CAPITAL MARKETS LLC | \$119.00 | \$164,688.69 |
| 355 | CREDIT SUISSE FIRST BOSTON LLC | \$1,897.05 | \$1,799,710.07 |
| 418 | CITIGROUP GLOBAL MARKETS INC. | \$10,682.39 | \$6,327,631.35 |
| 443 | PERSHING LLC | \$792.50 | \$589,192.20 |
| 45 | HARRIS NESBITT CORP | \$112.00 | \$281,068.48 |
| 46171 | WELLS FARGO SECURITIES LLC | \$21.00 | \$32,837.99 |
| 5 | GOLDMAN SACHS and CO | \$245.00 | \$429,540.95 |
| 50 | MORGAN STANLEY | \$139.13 | \$199,745.70 |
| 50091 | LIQUIDNET INC | \$1,496.00 | \$2,388,642.09 |
| 57079 | J.P. MORGAN SECURITIES INC. | \$2,912.00 | \$3,175,974.27 |
| 573 | DEUTSCHE BANK SECURITIES, INC. | \$2,241.94 | \$2,841,169.65 |
| 57565 | PULSE TRADING, LLC | \$1.00 | \$2,929.80 |
| 57575 | SIMMONS and CO. INTERNATIONAL | \$201.50 | \$166,232.30 |
| 59055 | CAP INSTITUTIONAL SERVICES INC | \$770.00 | \$1,079,588.15 |
| 59964 | BLOOMBERG TRADEBOOK LLC | \$506.25 | \$475,461.96 |
| 61374 | CREDIT AGRICOLE SECURITIES USA | \$210.00 | \$266,437.78 |
| 61514 | TELSEY ADVISORY GROUP LLC | \$283.50 | \$277,152.96 |
| 61610 | BARCLAYS CAPITAL LE | \$2,660.00 | \$1,723,086.45 |
| 6164 | INVESTMENT TECHNOLOGY GROUP, INC | \$744.96 | \$2,081,041.68 |
| 62465 | KNIGHT EQUITY MARKETS LP | \$610.51 | \$2,130,688.77 |
| 62519 | STRATEGAS SECURITIES LLC | \$241.50 | \$194,376.15 |
| 63421 | PORTALES PARTNERS LLC | \$108.50 | \$84,168.72 |
| 642 | UBS SECURITIES LLC | \$7,639.34 | \$5,290,448.37 |
| 6826 | INSTINET | \$1,982.80 | \$2,289,560.02 |
| 696 | CANTOR FITZGERALD AND CO. | \$1,512.71 | \$673,942.30 |
| 702 | CLEARVIEW CORRESPONDENT SERVICES LLC | \$787.50 | \$767,756.17 |
| 70943 | PIPELINE TRADING SYSTEMS LLC | \$23.00 | \$37,837.23 |
| 71761 | DOWLING AND PARTNERS | \$171.50 | \$169,720.53 |
| 725 | RAYMOND JAMES and ASSOC. INC. | \$73.50 | \$134,020.11 |
| 760 | HOWARD WEIL DIV - LEGG MASON | \$308.00 | \$337,938.94 |
| 77318 | COWEN AND COMPANY LLC | \$1,848.00 | \$1,625,848.07 |
| 77733 | STUART FRANKEL AND CO | \$42.00 | \$98,632.38 |
| 780 | MORGAN KEEGAN and CO., INC. | \$84.00 | \$34,669.30 |
| 793 | STIFEL, NICOLAUS AND CO.,INC. | \$108.50 | \$90,405.92 |
| 799 | KEYBANC CAPITAL MARKETS INC. | \$343.00 | \$213,097.08 |
| 82241 | FRIEDMAN BILLINGS AND RAMSEY | \$234.50 | \$283,698.06 |
| 83213 | ISI GROUP, INC | \$931.00 | \$876,019.91 |
| 83620 | FIDELITY CAP MARKETS (DIV OF N | \$180.00 | \$303,642.24 |
| 85704 | BUCKINGHAM RESEARCH GROUP, INC. | \$976.50 | \$822,597.89 |
| 9883 | WEEDEN AND CO. | \$351.09 | \$1,067,057.07 |
| 99 | ITG INC | \$25.00 | \$298,653.48 |
|  | TOTAL | \$63,697.67 | $\underline{\text { \$53,997,645.05 }}$ |

[^0]| WAMCO |
| :---: |
| FEDERAL |
| NATIONAL |
| MORTGAGE ASSN. |
| 5/1/2012 |
| $\$ 4,999,650$ |
| $\$ 4,997,225$ |
| $4.98 \%$ |
| UNITED STATES |
| TREASURY N/B |
| DTD - \#912810QH4 |
| $5 / 15 / 2040$ |
| $\$ 3,533,443$ |
| $\$ 2,906,690$ |
| $3.52 \%$ |
|  |
| GOVERNMENT |
| NATIONAL |
| MORTGAGE ASSN. |
| N/A |
| $\$ 1,982,313$ |
| $\$ 1,916,964$ |
| $1.97 \%$ |


| GARCIA |
| :---: |
| HAMILTON |
|  |
| FNMA POOL |
| \#995517 DTD |
| $1 / 1 / 2024$ |
| $\$ 2,555,386$ |
| $\$ 2,551,692$ |
| $4.92 \%$ |
|  |
| BANC OF |
| AMERICA |
| FUNDING CORP |
| $6 / 1 / 2019$ |
| $\$ 2,513,155$ |
| $\$ 2,849,283$ |
| $4.84 \%$ |
|  |
| METLIFE INC. |
| DTD |
| $2 / 15 / 2019$ |
| $\$ 2,482,821$ |
| $\$ 2,434,393$ |
| $4.78 \%$ | Highest Portfolio Holdings by Manager

Top Three Securities

As Of December 31, 2011 | LIQUIDATION |  | $\begin{array}{c}\text { BARROW, } \\ \text { HANLEY }\end{array}$ |
| :---: | :---: | :---: |
|  |  | PHILIP MORRIS |
| REGIONS TRUST |  | INTERNATIONAL |
| MMDA | INC |  |
| N/A | N/A |  |
| $\$ 55,787,319$ | $\$ 2,550,600$ |  |
| $\$ 55,787,319$ | $\$ 975,546$ |  |
| $100.00 \%$ | $3.78 \%$ |  |



|  | FISHER |
| ---: | :---: |
|  | COMPANHIA DE |
|  | BEBIDAS DAS |
| 1 | AMERICAS PFD |
| MATURITY | ADR |
| Fair Value | N/A |
| Book Value | $\$ 570,222$ |
| Percent of Fund | 2.531 |
|  |  |
|  | LVMH MOET |
|  | HENNESSY LOUIS |
| 2 | VUITTON |
| MATURITY | N/A |
| Fair Value | $\$ 504,153$ |
| Book Value | $\$ 341,480$ |
| Percent of Fund | $2.09 \%$ |
|  |  |
|  | KOMATSU LTD |
|  | SPON ADR NEW |
| 3 | ONE ADR |
| MATURITY | N/A |
| Fair Value | $\$ 486,346$ |
| Book Value | $\$ 382,493$ |
| Percent of Fund | $2.01 \%$ |

## Investment Summary

Year Ended December 31, 2011

| Type of Investment | December 31, 2011 |  |  |  | \% of Total |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Cost Value |  | Fair Value |  |
| Cash and Short Term Investments | \$ | 108,574,126 | \$ | 108,574,126 | 11.0\% |
| Investments: |  |  |  |  |  |
| U.S. Government Obligations |  | 54,014,662 |  | 56,493,742 | 5.7\% |
| Corporate Obligations |  | 73,314,221 |  | 69,688,726 | 7.0\% |
| Foreign Bonds |  | 848,974 |  | 648,455 | 0.1\% |
| Fixed Income Collective Trusts |  | 197,035,795 |  | 267,296,700 | 27.0\% |
| Common and Preferred Stocks |  | 91,424,625 |  | 92,923,467 | 9.4\% |
| Special Situation Properties, etc. |  | 71,990,198 |  | 75,387,250 | 7.6\% |
| Equity Mutual Collective Trusts |  | 318,757,412 |  | 315,744,752 | 31.9\% |
|  | \$ | 807,385,887 | \$ | 878,183,092 | 88.7\% |
| Land and Building |  | 3,624,912 |  | 3,624,912 | 0.4\% |
| Total Investments | \$ | 919,584,925 | \$ | 990,382,130 | 100.0\% |

December 31, 2010

| $\underline{\text { Type of Investment }}$ | Cost Value |  | Fair Value |  | \% of Total |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Cash and Short Term Investments | \$ | 83,999,208 | \$ | 83,999,208 | 8.9\% |
| Investments: |  |  |  |  |  |
| U.S. Government Obligations |  | 52,718,408 |  | 59,209,002 | 6.3\% |
| Corporate Obligations |  | 80,619,051 |  | 71,638,503 | 7.6\% |
| Foreign Bonds |  | 1,348,150 |  | 1,199,240 | 0.1\% |
| Fixed Income Collective Trusts |  | 187,323,617 |  | 258,962,094 | 27.4\% |
| Common and Preferred Stocks |  | 90,667,015 |  | 94,410,263 | 10.0\% |
| Special Situation Properties, etc. |  | 60,478,250 |  | 64,343,553 | 6.8\% |
| Equity Mutual Collective Trusts |  | 296,622,724 |  | 308,984,780 | 32.7\% |
|  | \$ | 769,777,215 | \$ | 858,747,435 | 90.8\% |
| Land and Building |  | 3,681,132 |  | 3,681,132 | 0.4\% |
| Total Investments | \$ | 857,457,555 | \$ | 946,427,775 | 100.0\% |

[^1]

## Actuary's ETTER

Consultants \& Actuaries
One Towne Square • Suite $800 \cdot$ Southfield, Michigan 48076 • 248-799-9000 • 800-521-0498• fax 248-799-9020

May 25, 2012
The Board of Trustees
Arkansas Local Police and Fire Retirement System
Little Rock, Arkansas 72201
Dear Board Members:
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 financial objective is addressed within the annual actuarial valuation. 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, 2011.

LOPFI's administrative staff provides the actuary with data for the actuarial valuation. The actuary relies on the data after reviewing it for internal and year-to-year consistency. The actuary summarizes and tabulates population data in order to analyze longer term trends. The plan's external auditor also audits the actuarial data annually.

As of December 31, 2011, actuarial valuations were made for 787 employer groups. Summary information about the resulting new employer contribution rates is shown in the annual report. Results of the 2011 actuarial valuations indicate that aggregate actuarial accrued liabilities are $65 \%$ covered by the actuarial value of assets. This remains unchanged from last year's result of $65 \%$. The actuarial value of assets is $107 \%$ of the market value of assets as of December 31, 2011. These results include the 159 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 annual report and are provided to the local fund and to the LOPFI administrative staff.

The actuary prepared the following supporting schedules for the Comprehensive Annual Financial Report.

## Actuarial Section

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

## Financial Section

Schedule of Funding Progress
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.

Actuarial valuations are based upon assumptions regarding future activity in specific risk areas including the rates of investment return and payroll growth, eligibility for the various classes of benefits, and longevity among retired lives. These assumptions are adopted by the Board after considering the advice of the actuary and other professionals. The assumptions and the methods comply with the requirements of Statement No. 25 of the Governmental Accounting Standards Board. 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, 2011 valuations were based upon assumptions that were recommended in connection with a study of experience covering the 2002-2007 period.

On the basis of the December 31, 2011 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.

Respectfully submitted,


David L. Hoffman


Heidi G. Barry, ASA, MAAA

LH: HGB

# Summary of <br> FINANCIAL ASSUMPTIONS USED FOR LOPFI ACTUARIAL VALUATIONS <br> 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.

## ECONOMIC ASSUMPTIONS

The investment return rate used in making the valuation was $8.0 \%$ 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 $4.0 \%$ recognition of wage inflation, the $8.0 \%$ investment return rate translates to an assumed real rate of return of 4.0\%.

Price inflation was assumed to be $3.0 \%$ 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 $4.0 \%$ recognizes wage inflation.

Total active member payroll is assumed to increase $4.0 \%$ 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.

## NON-ECONOMIC ASSUMPTIONS

The mortality table used to measure retired life mortality was the RP-2000 Combined Projected to 2007 Table, set forward two years for men. Related values are shown in Schedule A-1. Disability post-retirement mortality was assumed to be the same as standard post-retirement mortality set forward an additional 10 years. For death-in-service mortality, fifty percent of the post-retirement mortality tables were used. Fifty percent of deaths-in-service were assumed to be duty related. There is no margin for future mortality improvements in the rates.

The probabilities of retirement for members eligible to retire are shown in Schedule A-3.
The probabilities of withdrawal from service and death-in-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;
(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 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 $\$ 6.17$ effective July 1,2012 and is assumed to increase at the assumed rate of price inflation in future years.

## OTHER TECHNICAL ASSUMPTIONS

Decrements are assumed to occur at the middle of the valuation year.
The probability of being married, for death-in-service benefits, is assumed to be $90 \%$.
Members who are eligible to participate in the DROP are assumed to participate in the DROP program in such a manner that is the most advantageous to them.

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

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

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

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

The data about persons now covered and about present assets were furnished by the System's administrative staff. Although examined for general reasonableness, the data was not audited by the Actuary.

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

|  |  | Active Members* |  |  |  | Inflation <br> Increase $\%$ <br> (CPI) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| LOPFI Staff | Valuation <br> Groups | Number | Annual <br> Payroll | Average <br> Pay | \% <br> Increase | (CPI |
| $12 / 31 / 2007$ | 1 | 8 | $\$$ | 415,984 | $\$ 51,998$ | $\mathrm{~N} / \mathrm{A}$ |
| $12 / 31 / 2008$ | 1 | 8 | 459,432 | 57,429 | $10.4 \%$ | $4.1 \%$ |
| $12 / 31 / 2009$ | 1 | 8 | 487,527 | 60,941 | $6.1 \%$ | 0.1 |
| $12 / 31 / 2010$ | 1 | 8 | 514,466 | 64,308 | $5.5 \%$ | 2.7 |
| $12 / 31 / 2011$ | 1 | 8 | 543,380 | 67,923 | $5.6 \%$ | 1.5 |
|  |  |  |  | 3.0 |  |  |

* Includes DROP participants, if any.
LOPFI Covered Groups and Covered Persons


[^2]LOPFI Covered Groups and Covered Persons
（Excluding Local Funds）

|  |  |
| :---: | :---: |
| $\left\|\begin{array}{rr} 0 \\ 0 & 0 \\ 0 & 0 \\ 0 \end{array}\right\|$ | べスペ |
|  |  |
|  |  <br>  <br>  $\infty$ |
|  |  |
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|  |  <br>  |

＊Includes DROP participants，if any．
LOPFI Covered Groups and Covered Persons
(Excluding Local Funds)

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* Includes DROP participants, if any.
LOPFI Covered Groups and Covered Persons
(Excluding Local Funds)

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* Includes DROP participants, if any.
LOPFI Covered Groups and Covered Persons

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＊Includes DROP participants，if any．

## LOPFI Covered Groups and Covered Persons

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* 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

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|  | $\overleftrightarrow{Z}$ |
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* 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

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| $\left\lvert\, \begin{array}{cc} \circ \\ \circ & 0 \\ \circ \end{array}\right.$ | $\stackrel{\varangle}{Z}$ |
|  | $\stackrel{\varangle}{Z}$ |
|  | $\overleftrightarrow{Z}$ |
| 年 |  |
|  |  |
|  |  <br>  <br>  |

* Prior to the $12 / 31 / 2007$ valuation, valuations were performed for each employer division. Beginning with the $12 / 31 / 2007$ valuation, the employer divisions are combined into one valuation group.
LOPFI (Excluding Local Funds)
Paid Service Active Members - December 31, 2011

| $\begin{gathered} \text { Attained } \\ \text { Age } \\ \hline \hline \end{gathered}$ | Years of Service at Valuation Date |  |  |  |  |  |  | Totals* |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  | No. | Annual Payroll |  |
|  | 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30 Plus |  |  |  |
| Under 20 | 1 |  |  |  |  |  |  | 1 | \$ | 15,096 |
| 20-24 | 223 | 13 |  |  |  |  |  | 236 |  | 7,169,944 |
| 25-29 | 547 | 215 | 45 |  |  |  |  | 807 |  | 28,731,224 |
| 30-34 | 364 | 446 | 164 | 64 |  |  |  | 1,038 |  | 42,104,952 |
| 35-39 | 208 | 282 | 427 | 178 | 61 |  |  | 1,156 |  | 52,268,281 |
| 40-44 | 135 | 167 | 289 | 364 | 142 | 35 |  | 1,132 |  | 55,466,525 |
| 45-49 | 55 | 71 | 98 | 218 | 262 | 124 | 20 | 848 |  | 45,037,730 |
| 50-54 | 29 | 25 | 47 | 81 | 164 | 135 | 19 | 500 |  | 26,939,115 |
| 55-59 | 8 | 31 | 19 | 23 | 51 | 57 | 7 | 196 |  | 10,455,986 |
| 60-64 | 6 | 16 | 14 | 9 | 24 | 4 | 3 | 76 |  | 3,449,926 |
| 65-69 |  | 1 | 2 | 6 | 3 | 3 | 1 | 16 |  | 690,421 |
| 70+ | 2 | 2 | 1 | 2 | 1 | 1 | 1 | 10 |  | 440,565 |
| Totals | 1,578 | 1,269 | 1,106 | 945 | 708 | 359 | 51 | 6,016 | \$ | 272,769,765 |

* Includes DROP participants.


Average Age: 40.8 years
Average Service: 9.5 years



## LOPFI

## Computed Employer Contributions

For Paid Service Members by Valuation Groups


* After changes in actuarial valuation assumptions.
\# After legislated benefit increases.
@ Rules established by Board policy to implement uniform paid service rule on and after December 31, 2011. All employer rates increased by maximum allowed under law.


## LOPFI

Computed Employer Contributions For Volunteer Service Members by Valuation Groups December 31, 2011

| Group | Number of Active Members | Number of Valuation Groups with Indicated ComputedEmployer Contributions Expressed as Dollars Per Month Per Active Member |  |  |  |  |  |  |  |  |  |  |  | Totals |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{array}{\|l} \text { Under } \\ \$ 10.00 \\ \hline \end{array}$ | From <br> $\$ 10.00$ <br> to <br> $\$ 14.99$ | From <br> $\$ 15.00$ <br> to <br> $\$ 19.99$ | From <br> $\$ 20.00$ <br> to <br> $\$ 24.99$ | $\begin{array}{\|c} \hline \text { From } \\ \$ 25.00 \\ \text { to } \\ \$ 29.99 \\ \hline \end{array}$ | From $\mathbf{\$ 3 0 . 0 0}$ to $\mathbf{\$ 3 4 . 9 9}$ | From <br> $\$ 35.00$ <br> to <br> $\$ 39.99$ | From $\$ 40.00$ to $\$ 44.99$ | $\begin{gathered} \text { From } \\ \$ 45.00 \\ \text { to } \\ \$ 49.99 \\ \hline \hline \end{gathered}$ | $\begin{gathered} \text { From } \\ \mathbf{\$ 5 0 . 0 0} \\ \text { to } \\ \mathbf{\$ 5 4 . 9 9} \\ \hline \end{gathered}$ | From <br> $\$ 55.00$ <br> to <br> $\$ 59.99$ | $\$ 60.00$ and Over |  |
| Volunteer Police | 230 | $\mathrm{n} / \mathrm{a}$ | n/a | $\mathrm{n} / \mathrm{a}$ | n/a | n/a | n/a | $\mathrm{n} / \mathrm{a}$ | n/a | n/a | n/a | n/a | n/a | 72 |
| Volunteer Fire | 6,804 | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | $\mathrm{n} / \mathrm{a}$ | 440 |
| December 31, 2011 | 7,034 | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | $\mathrm{n} / \mathrm{a}$ | 512 |
| December 31, 2010 | 6,734 | n/a | n/a | $\mathrm{n} / \mathrm{a}$ | n/a | n/a | $\mathrm{n} / \mathrm{a}$ | n/a | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | n/a | n/a | n/a | 485 |
| December 31, 2009 | 6,551 | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | 468 |
| December 31, 2008*\# | 6,603 | $\mathrm{n} / \mathrm{a}$ | n/a | n/a | n/a | n/a | $\mathrm{n} / \mathrm{a}$ | n/a | n/a | n/a | n/a | n/a | n/a | 457 |
| December 31, 2007 | 6,620 | n/a | n/a | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | n/a | n/a | n/a | n/a | n/a | n/a | 461 |
| December 31, 2006 | 4,905 | n/a | n/a | n/a | n/a | n/a | n/a | n/a | $\mathrm{n} / \mathrm{a}$ | n/a | n/a | n/a | $\mathrm{n} / \mathrm{a}$ | 341 |
| December 31, 2005 | 4,650 | 1 | 2 | 13 | 49 | 96 | 65 | 32 | 23 | 23 | 8 | 3 | 10 | 325 |
| December 31, 2004 | 4,406 | 1 | 1 | 13 | 49 | 109 | 62 | 27 | 15 | 14 | 3 | 2 | 10 | 306 |
| December 31, 2003* | 4,088 | 2 | 5 | 26 | 80 | 95 | 44 | 11 | 7 | 10 | 3 | 3 | 4 | 290 |
| December 31, 2002\# | 3,858 | 10 | 17 | 54 | 103 | 47 | 22 | 8 | 6 | 4 | 1 | 2 | 6 | 280 |
| December 31, 2001* | 3,601 | 62 | 114 | 55 | 18 | 7 | 3 | 1 | - | 2 | 1 | 1 | 1 | 265 |
| December 31, 2000\# | 3,490 | 79 | 81 | 60 | 16 | 12 | 3 | 4 | 1 | 1 | 1 | 3 | 1 | 262 |
| December 31, 1999 | 3,407 | 69 | 110 | 48 | 14 | 6 | 2 | 3 | 3 | 2 | - | 1 | 3 | 261 |

[^3]
## Benefit Program 2 Employers

(Included in Paid Service Schedules)

| Employer | Number of <br> Active Members* | Payroll |
| :--- | :---: | ---: |
| Beaver Lake Paid Fire | 1 | $\$$ |
| Bella Vista Paid Police | 26 | 47,520 |
| Bella Vista Paid Fire | 37 | $1,179,125$ |
| Fayetteville Paid Police | 114 | $5,783,190$ |
| Fayetteville Paid Fire | 105 | $5,533,266$ |
| Fort Smith Paid Police | 162 | $7,791,363$ |
| Fort Smith Paid Fire | 124 | $6,904,822$ |
| Hot Springs Paid Police | 99 | $4,733,160$ |
| Hot Springs Paid Fire | 72 | $3,704,705$ |
| Marion Paid Police | 24 | 881,590 |
| Total BP2 | $\mathbf{7 6 4}$ | $\mathbf{\$ 3 8 , 4 0 6 , 2 0 1}$ |

* Includes DROP participants, if any.

| Developm <br> (Including Assets of P | nt of Fun ension an | $\begin{array}{r} \text { LOF } \\ \text { ding Valut } \\ \text { d Relief } \mathbf{F u} \end{array}$ | FI <br> of Retire nd Plans | ment Syste Under LO | m Assets <br> FI Admi | istration) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Year Ended December 31: | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 |
| A. Funding Value Beginning of Year | \$601,798,909 | \$653,546,976 | \$724,746,827 | \$827,546,002 | \$788,633,082 | \$878,958,364 | \$982,154,992 |
| B. Market Value End of Year | 636,316,197 | 736,511,192 | 833,278,709 | 657,194,235 | 827,769,490 | 955,781,853 | 1,001,672,848 |
| C. Market Value Beginning of Year | 599,204,559 | 636,316,197 | 736,511,192 | 833,278,709 | 657,194,235 | 827,769,490 | 955,781,853 |
| D. Non-Investment Net Cash Flow | 22,397,530 | 24,082,243 | 31,978,254 | 39,182,990 | 49,499,030 | 46,538,504 | 43,975,999 |
| E. Investment Income |  |  |  |  |  |  |  |
| E1. Market Total: B - C - D | 14,714,108 | 76,112,752 | 64,789,263 | $(215,267,464)$ | 121,076,225 | 81,473,859 | 1,914,996 |
| E1(a). Assumed Rate of Return | 8.0\% | 8.0\% | 8.0\% | 8.0\% | 8.0\% | 8.0\% | 8.0\% |
| E2. Amount for Immediate Recognition | 49,039,814 | 53,247,048 | 59,258,876 | 67,771,000 | 65,070,608 | 72,178,209 | 80,331,439 |
| E3. Amount for Phased-In Recognition E1-E2 | $(34,325,706)$ | 22,865,704 | 5,530,387 | $(283,038,464)$ | 56,005,617 | 9,295,650 | $(78,416,443)$ |
| F. Phased-In Recognition of Investment Income |  |  |  |  |  |  |  |
| F1. Current Year: 0.20 x E3 | $(6,865,141)$ | 4,573,141 | 1,106,077 | $(56,607,693)$ | 11,201,123 | 1,859,130 | $(15,683,289)$ |
| F2. First Prior Year | 1,319,258 | $(6,865,141)$ | 4,573,141 | 1,106,077 | $(34,259,555)$ | 11,201,123 | 1,859,130 |
| F3. Second Prior Year | 11,428,708 | 1,319,258 | $(6,865,141)$ | 4,573,141 | 1,106,077 | $(34,259,555)$ | 11,201,123 |
| F4. Third Prior Year | $(16,585,404)$ | 11,428,708 | 1,319,258 | $(6,865,141)$ | 4,573,141 | 1,106,077 | $(34,259,555)$ |
| F5. Fourth Prior Year | $(8,986,698)$ | $(16,585,406)$ | 11,428,710 | 1,319,258 | $(6,865,142)$ | 4,573,140 | 1,106,079 |
| F6. Total Recognized Investment Gain | $(19,689,277)$ | $(6,129,440)$ | 11,562,045 | $(56,474,358)$ | $(24,244,356)$ | $(15,520,085)$ | $(35,776,512)$ |
| G. Funding Value End of Year: A + D + E2 + F6 | 653,546,976 | 724,746,827 | 827,546,002 | 878,025,634 | 878,958,364 | 982,154,992 | 1,070,685,918 |
| 120\% Corridor |  |  |  | 788,633,082 | 993,323,388 | 1,146,938,224 | 1,202,007,418 |
| 80\% Corridor |  |  |  | 525,755,388 | 662,215,592 | 764,625,482 | 801,338,278 |
| Funding Value End of Year: |  |  |  | 788,633,082 | 878,958,364 | 982,154,992 | 1,070,685,918 |
| H. Difference between Market \& Funding Value | (17,230,779) | 11,764,365 | 5,732,707 | $(131,438,847)$ | $(51,188,874)$ | $(26,373,139)$ | (69,013,070) |
| I. Recognized Rate of Return | 4.79\% | 7.08\% | 9.56\% | (9.22\%) | 5.02\% | 6.28\% | 4.44\% |
| J. Market Rate of Return | 2.41\% | 11.74\% | 8.61\% | (25.24\%) | 17.75\% | 9.57\% | 0.20\% |
| K. Ratio of Funding Value to Market Value | 102.71\% | 98.40\% | 99.31\% | 120.00\% | 106.18\% | 102.76\% | 106.89\% |

from Asset derivation 2011-12-31.xls

# LOPFI <br> Reported Accrued Assets Available for Benefits December 31, 2011 

| Group Type | No. \# | Employer <br> Accumulation <br> Account | Members' <br> Deposit <br> Account | Retirement Reserve Account \& |  | Total@ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| LOPFI Staff | 1 | \$ 412,846 | \$ 32,789 | \$ | \$ | 445,635 |
| Paid Police W/SS | 176 | 78,606,494 | 5,410,536 | - |  | 84,017,031 |
| Paid Police W/O SS | 14 | 157,361,927 | 64,007,499 | - |  | 221,369,426 |
| Paid Fire W/SS | 23 | 4,141,025 | 1,012,189 | - |  | 5,153,214 |
| Paid Fire W/O SS | 61 | 233,666,058 | 89,307,392 | - |  | 322,973,450 |
| Subtotal | 274 | 473,775,504 | 159,737,616 | - |  | 633,513,120 |
| Volunteer |  |  |  |  |  |  |
| Police and Fire | 512 | 19,109,683 | - | - |  | 19,109,683 |
| Retirants and |  |  |  |  |  |  |
| Beneficiaries | - | - | - | 247,728,190 |  | 247,728,190 |
| Total | 787 | 493,298,033 | 159,770,405 | 247,728,190 | \$ | 900,796,628 |

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, 2011. Totals include accounts for employers with no active participants as of December 31, 2011.
@ Does not include assets of $\$ 98,664,384$ invested by LOPFI on behalf of Relief and Pension Funds under LOPFI administration.
\& Includes DROP Reserve Account.

## LOPFI

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

| Valuation <br> Date | Valuation Groups | Active <br> Members |  | Actuarial Accrued <br> Liabilities |  | Valuation <br> Assets | Assets/ <br> Liabilities* | Average Contribution Rate ${ }^{1}$ | Average Contribution Rate ${ }^{2}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 12/31/1990 | 127 | 1,739 | \$ | 25,598,294 | \$ | 26,638,818 | 104 \% | - \% | - \% |
| 12/31/1991 \# | 138 | 2,007 |  | 28,374,656 |  | 36,516,135 | 129 | - |  |
| 12/31/1992 | 142 | 2,224 |  | 37,077,482 |  | 47,889,617 | 129 | - |  |
| 12/31/1993 @ | 156 | 2,477 |  | 46,556,168 |  | 66,541,016 | 143 | 10.82 |  |
| 12/31/1994 | 168 | 2,807 |  | 59,089,005 |  | 78,271,672 | 132 | 11.46 |  |
| 12/31/1995 | 181 | 3,194 |  | 72,577,171 |  | 97,412,994 | 134 | 11.36 |  |
| 12/31/1996 \#+ | 188 | 3,472 |  | 93,046,084 |  | 123,339,438 | 133 | 10.88 |  |
| 12/31/1997 | 202 | 3,715 |  | 111,523,686 |  | 153,499,754 | 138 | 10.55 |  |
| 12/31/1998 \#+ | 208 | 3,998 |  | 147,606,801 |  | 189,595,998 | 128 | 11.35 |  |
| 12/31/1999 | 215 | 4,301 |  | 174,627,344 |  | 238,203,534 | 136 | 10.41 |  |
| 12/31/2000 + | 228 | 4,493 |  | 218,238,282 |  | 292,881,609 | 134 | 11.51 |  |
| 12/31/2001 \# | 230 | 4,573 |  | 199,231,298 |  | 339,296,397 | 170 | 7.15 |  |
| 12/31/2002 + | 236 | 4,720 |  | 291,184,122 |  | 367,122,230 | 126 | 10.38 |  |
| 12/31/2003 \# | 233 | 4,849 |  | 370,735,495 |  | 399,726,460 | 108 | 11.09 |  |
| 12/31/2004 + | 236 | 4,966 |  | 470,078,530 |  | 429,104,830 | 91 | 14.82 |  |
| 12/31/2005 | 236 | 5,115 |  | 526,635,441 |  | 483,789,282 | 92 | 15.04 |  |
| 12/31/2006 | 247 | 5,328 |  | 603,842,363 |  | 555,752,156 | 92 | 15.11 |  |
| 12/31/2007 | 261 | 5,603 |  | 699,800,039 |  | 644,631,782 | 92 | 15.16 | 15.44 |
| 12/31/2008 \#+ | 258 | 5,640 |  | 825,417,767 |  | 662,380,764 | 80 | 15.30 | 15.69 |
| 12/31/2009 | 269 | 5,907 |  | 946,423,135 |  | 622,560,540 | 66 | 17.25 | 18.79 |
| 12/31/2010 | 274 | 5,949 |  | 1,012,194,055 |  | 664,246,931 | 66 | 17.03 | 19.21 |
| 12/31/2011 ^ | 275 | 6,016 |  | 1,077,498,958 |  | 698,331,958 | 65 | 18.01 | 19.63 |

* If this ratio approximates $100 \%$, it indicates that financial activity is operating within an expected range of reason-ableness. \# After changes in actuarial valuation assumptions
@ Valuation assets based on smoothed-market value beginning December 31, 1993 (cost basis prior to this date). + After legislated benefit increases and board policy changes @ Rules established by Board policy to implement uniform paid service rule applied on and after December 31, 2011.
All paid service employer rates increased by the maximum allowed under law.
a Rules established by Board policy to implement uniform paid service rule applied on and after December 31, 2011

[^4]LOPFI
Summary of Valuation Assets, Actuarial Accrued Liabilities and Average Contribution Rate
Excluding Pension and Relief Funds Under LOPFI Administration (Continued)
Volunteer Participants

* If this ratio approximates $100 \%$, it indicates that financial activity is operating within an expected range of reason-ableness.
\# After changes in actuarial valuation assumptions.

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

Volunteer Participants

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

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

* If this ratio approximates $100 \%$, it indicates that financial activity is operating within an expected range of reason-ableness. \# After changes in actuarial valuation assumptions.
@ Valuation assets based on smoothed-market value beginning December 31, 1993 (cost basis prior to this date). + After legislated benefit increases 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
Actuarial
27，837，100
$28,580,033$
$39,627,327$
52，058，960 72，343，644 84，882，551 106，065，522 134，197，116 167，359，869 206，731，036 260，470，866 319，463，454 응 406，708，841
 491，233，395
会 767，436，622 802，335，578
 873，069，438 964，990，383 $\infty$

＊If this ratio approximates $100 \%$ ，it indicates that financial activity is operating within an expected range of reason－ableness． \＃After changes in actuarial valuation assumptions．
＠Valuation assets based on smoothed－market value beginning December 31， 1993 （cost basis prior to this date）． \＃After changes in actuarial valuation assumptions．
＠Valuation assets based on smoothed－market value beginning December 31， 1993 （cost basis prior to this date）．

[^5]| II0Z／IE／ZI |
| :---: |
| 0L0Z／IE／ZI |
| 600乙／IE／ZI |
| ＋\＃800乙／IE／ZI |
| L00Z／IE／ZI |
| 900乙／IE／ZI |
| ¢00Z／IE／ZI |
| ＋†00Z／IE／ZI |
| \＃E00Z／IE／ZI |
| ＋Z00乙／IE／ZI |
| \＃L00乙／IE／てI |
| ＋000乙／IE／ZI |
| 666I／IE／てI |
| ＋\＃866I／IE／ZI |
| L66I／IE／ZI |
| ＋\＃966I／IE／ZI |
| ¢66I／IE／ZI |
| カ66I／IE／ZI |
| （D） $\mathcal{E} 66 \mathrm{I} / \mathrm{IE} / 乙 \mathrm{I}$ |
| て66I／IE／ZI |
| \＃I66I／IE／てI |
| 066I／IE／乙I |

Valuation
Date
 12／31／2011

## Active Members <br> Valuation Groups

 13，050$\leftrightarrow$
 $195,413,734$
$243,153,878$ 227，362，242


 618，406，640 713，161，455 837，807，012




## Short Condition Test Comparative Statement

LOPFI Paid Service

| ValuationDateDecember 31 | Actuarial Accrued Liabilities for |  |  |  |  |  |  | Actuarial <br> Value of Assets | Portion of Present Values Covered by Assets |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Member Contributions | Current <br> Retirees and Beneficiaries (2) |  | Active and Inactive <br> Members, Employer <br> Financed Portion (3) |  |  |  |  |  |  |
|  |  | (1) |  |  |  | (1) | (2) |  | (3) |
| 2000 | \$ | 38,648,453 | \$ | 17,159,916 |  |  | \$ | 179,589,829 | \$ | 309,386,866 | 100 | 100 | 141 |
| 2001 |  | 42,169,151 |  | 18,706,212 |  | 157,062,147 |  | 358,552,550 | 100 | 100 | 190 |
| 2002 * |  | 52,884,501 |  | 28,132,104 |  | 238,299,621 |  | 394,018,928 | 100 | 100 | 131 |
| $2003+$ |  | 60,644,400 |  | 37,589,290 |  | 310,091,095 |  | 438,411,941 | 100 | 100 | 110 |
| 2004 * |  | 67,066,543 |  | 46,771,629 |  | 403,011,987 |  | 475,622,588 | 100 | 100 | 90 |
| 2005 * |  | 78,117,772 |  | 62,901,548 |  | 448,517,669 |  | 546,315,508 | 100 | 100 | 90 |
| 2006 |  | 87,986,534 |  | 76,104,654 |  | 515,855,829 |  | 633,759,848 | 100 | 100 | 91 |
| 2007 |  | 95,667,812 |  | 90,980,880 |  | 675,497,118 |  | 740,968,085 | 100 | 100 | 92 |
| 2008 +* |  | 107,486,154 |  | 116,390,986 |  | 717,931,676 |  | 778,148,309 | 100 | 100 | 77 |
| 2009 |  | 126,212,081 |  | 142,789,842 |  | 820,211,054 |  | 765,350,382 | 100 | 100 | 61 |
| 2010 |  | 142,979,396 |  | 176,648,898 |  | 869,214,659 |  | 840,895,829 | 100 | 100 | 60 |
| 2011 |  | 159,770,407 |  | 229,845,487 |  | 917,728,551 |  | 928,182,921 | 100 | 100 | 59 |



LOPFI Volunteer Service

| Actuarial Accrued Liabilities for |  |  |  |  |  |  | Actuarial <br> Value of Assets |  | Portion of Present Values Covered by Assets |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Valuation Date | Member Contributions (1) |  | Current <br> Retirees and Beneficiaries (2) |  | Active and Inactive <br> Members, Employer <br> Financed Portion <br> (3) |  |  |  |  |  |  |  |
| December 31 |  |  | (1) |  |  |  | (2) | (3) |  |  |  |  |
| 2000 | \$ | - |  |  | \$ | 495,360 |  |  | \$ | 8,554,865 | \$ | 10,076,713 |  | - | 100 | 112 |
| 2001 |  | - |  | 610,512 |  | 8,814,220 |  | 11,520,519 |  | - | 100 | 124 |
| 2002 * |  | - |  | 765,612 |  | 12,138,097 |  | 12,689,913 |  | - | 100 | 98 |
| $2003+$ |  | - |  | 1,220,827 |  | 19,207,277 |  | 14,248,945 |  | - | 100 | 68 |
| 2004 |  | - |  | 2,107,043 |  | 22,136,019 |  | 15,610,807 |  | - | 100 | 61 |
| 2005 |  | - |  | 2,629,108 |  | 26,240,543 |  | 19,106,574 |  | - | 100 | 63 |
| 2006 |  | - |  | 3,074,831 |  | 30,139,607 |  | 21,250,207 |  | - | 100 | 60 |
| 2007 |  | - |  | 4,306,070 |  | 42,720,023 |  | 26,468,537 |  | - | 100 | 52 |
| $2008+$ |  | - |  | 6,054,907 |  | 47,019,246 |  | 24,187,269 |  | - | 100 | 39 |
| 2009 |  | - |  | 10,069,177 |  | 48,890,402 |  | 27,103,260 |  | - | 100 | 35 |
| 2010 |  | - |  | 12,517,903 |  | 52,068,716 |  | 32,173,609 |  | - | 100 | 38 |
| 2011 |  | - |  | 15,248,883 |  | 56,421,727 |  | 36,807,462 |  | - | 100 | 38 |


|  | Valuation <br> Date <br> December 31 | Actuarial Accrued Liabilities for |  |  |  |  |  | Actuarial <br> Value of Assets |  | Portion of Present Values Covered by Assets |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Member Contributions (1) |  | Current Retirees and Beneficiaries (2) |  | Active and Inactive Members, Employer Financed Portion (3) |  |  |  |  |  |  |
|  |  |  |  | (1) | (2) |  |  | (3) |  |  |  |
|  | 2000 | \$ | 1,162 |  |  | \$ | 1,182,504 |  |  | \$ | 392,143 | \$ | 471,780 | 100 | 40 | - |
|  | 2001 |  | 834 |  | 1,185,540 |  | 390,975 |  | 374,993 | 100 | 32 | - |
|  | 2002 * |  | - |  | 1,299,876 |  | 159,624 |  | 467,007 | 100 | 36 | - |
|  | $2003+$ |  | 998 |  | 2,097,817 |  | 357,827 |  | 768,440 | 100 | 37 | - |
|  | 2004 |  | 345 |  | 3,743,244 |  | 406,261 |  | 2,594,578 | 100 | 69 | - |
|  | 2005 |  | 1,966 |  | 5,951,007 |  | 149,448 |  | 2,188,282 | 100 | 37 | - |
|  | 2006 |  | 2,739 |  | 7,312,004 |  | 296,260 |  | 2,107,323 | 100 | 29 | - |
|  | 2007 |  | 2,194 |  | 8,036,483 |  | 208,366 |  | 1,837,840 | 100 | 23 | - |
|  | $2008+$ |  | 2,279 |  | 10,495,474 |  | 132,593 |  | 1,081,515 | 100 | 10 | - |
|  | 2009 |  | 3,065 |  | 12,395,214 |  | 350,181 |  | 5,601,935 | 100 | 45 | - |
|  | 2010 |  | 12,433 |  | 12,964,889 |  | 210,630 |  | 6,529,374 | 100 | 50 | - |
|  | 2011 |  | 16,968 |  | 13,046,463 |  | 295,814 |  | 6,494,323 | 100 | 50 | - |

## Derivation of Actuarial Gain (Loss) <br> Year Ended December 31, 2011 <br> (LOPFI and Local Plans Combined)

| (1) UAAL* at start of year | $537,372,863$ |
| :--- | ---: |
| (2) | Employer normal cost from last valuation |
| (3) | Actual employer contributions |
| (4) | Interest accrual: $(1) \times .08+[(2)-(3)] \times(.08 / 2)$ |
| (5) | Expected UAAL before changes: (1) + (2) - (3) + (4) |
| (6) | Change from benefit changes* |
| (7) | Change from revised actuarial assumptions |
| (8) | Expected UAAL after changes |
| (9) | Actual UAAL at end of year |
| (10) | Gain (loss) $(8)-(9)$ |
| (11) | Gain (loss) as percent of actuarial accrued |
|  | liabilities at start of year $\$ 1,519,527,855$ |


| Valuation <br> Date <br> December 31 | Actuarial Gain (Loss) as a Percentage <br> of Beginning Accrued Liabilities |
| :---: | :---: |
| 2002 | $(5.2) \%$ |
| 2003 | $(1.5)$ |
| 2004 | $(5.3)$ |
| 2005 | $(3.6)$ |
| 2006 | $(0.2)$ |
| 2007 | 0.4 |
| 2008 | $(12.8)$ |
| 2009 | $(2.9)$ |
| 2010 | $(0.7)$ |
| 2011 | $(1.9)$ |

[^6]
# Arkansas LOcal Police and FIre Retirement System Brief Summary as of December 31, 2011 of LOPFI Coverage for PAID SERVICE <br> Benefits and Conditions Evaluated and/or Considered (Section references are to Arkansas Code of 1987, including amendments from 2009 General Assembly Session) 

Voluntary Retirement. Section 24-10-604. A member may retire with an age \& service annuity after both (i) completing 5 years 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 2011 was $\$ 1,258$.

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 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 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 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 dutyconnected 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. 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 his employees' participation in LOPFI. Contributions to LOPFI are determined based upon levelrate 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). Employer and employee contributions continue and are used to finance System benefits (i.e., they are not deposited to the participant's DROP account). For additional details please refer to Arkansas Code, Title 24, Chapter 10, Subchapter 7.

## LOPFI <br> Illustrations of Normal Benefit Amounts for Sample Combinations of Service \& Pay

## FOR PAID SERVICE WHICH IS NOT COVERED BY SOCIAL SECURITY

(The Applicable Benefit Program is Years of Paid Service times $2.94 \%$ of FAP ${ }^{(1)}$ )

| FinalAveragePay (FAP) ${ }^{(1)}$ | LOPFI BENEFIT ${ }^{(2)}$ |  |  |
| :---: | :---: | :---: | :---: |
|  |  | \$ | \% ofFAP |
| 32 Years of Service ${ }^{(3)}$ |  |  |  |
| \$ 1,800 | \$ | 1,693 | 94 \% |
| 2,200 |  | 2,070 | 94 |
| 2,600 |  | 2,446 | 94 |
| 3,000 |  | 2,822 | 94 |
| 3,400 |  | 3,199 | 94 |
| 28 Years of Service ${ }^{(3)}$ |  |  |  |
| \$ 1,800 | \$ | 1,482 | 82 \% |
| 2,200 |  | 1,811 | 82 |
| 2,600 |  | 2,140 | 82 |
| 3,000 |  | 2,470 | 82 |
| 3,400 |  | 2,799 | 82 |
| 20 Years of Service ${ }^{(3)}$ |  |  |  |
| \$ 1,800 | \$ | 1,058 | 59 \% |
| 2,200 |  | 1,294 | 59 |
| 2,600 |  | 1,529 | 59 |
| 3,000 |  | 1,764 | 59 |
| 3,400 |  | 1,999 | 59 |

(1) "Final Average Pay" means the monthly average of an employee's pays during the period of 36 consecutive months when they were highest, contained within his last 120 months of paid service.
(2) Amounts shown are rounded to the nearest dollar; actual amounts will be calculated to the nearest cent.
(3) With 28 or more years of service the employee is eligible for normal retirement. With 20 or more years of service the employee is eligible for normal retirement at age 55. With fewer than 20 years, the eligibility age is 60 .

## LOPFI

Illustrations of Normal Benefit Amounts for Sample Combinations of Service \& Pay
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)

(1) "Final Average Pay" means the monthly average of an employee's pays during the period of 36 consecutive months when they were highest, contained within his last 120 months of paid service.
(2) "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit is based upon an estimated "average indexed monthly earnings" for an employee retiring at normal Social Security retirement age (SSRA) in 2012. 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.
(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.

# Arkansas LOcal Police and FIre Retirement System Brief Summary as of December 31, 2011 of LOPFI Coverage for BENEFIT PROGRAM 2 PAID SERVICE <br> Benefits and Conditions Evaluated and/or Considered (Section references are to Arkansas Code of 1987, including amendments from 2009 General Assembly Session) 

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

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

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

- Paid Service Before Adoption of Benefit Program 2. For each year of such service, 2.94\% of the member's final average pay.
- Paid Service After Adoption of Benefit Program 2. For each year of such service, 3.28\% of the member's final average pay.
- At time of retirement, the total cannot exceed $100 \%$ of final average pay.
B. Paid Service Also Covered by Social Security.
- Paid Service Before Adoption of Benefit Program 2. For each year of such service, $1.94 \%$ of the member's final average pay, plus a temporary annuity equal to $1.0 \%$ of the member's final average pay for each year of service, payable to normal Social Security retirement age.
- Paid Service After Adoption of Benefit Program 2. For each year of such service, 2.94\% of the member's final average pay.
- At time of retirement, the total cannot exceed $100 \%$ of final average pay.


# Arkansas LOcal Police and FIre Retirement System Brief Summary as of December 31, 2011 of LOPFI Coverage for VOLUNTEER SERVICE 

## Benefits and Conditions Evaluated and/or Considered (Section references are to Arkansas Code of 1987, including amendments from 2009 General Assembly Session)

Voluntary Retirement. Section 24-10-604. A member may retire with an age \& service annuity after both (i) completing 5 years 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 2011 was $\$ 1,258$.

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 Volunteer Service, $\$ 5.00$ monthly, to a maximum of $\$ 200$ monthly. Beginning in 2003, each July 1 these amounts are indexed for inflation, for members retiring in the next 12 months. Accordingly, the basic benefit factor reflected in the December 31, 2011 valuations was $\$ 6.17$ 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 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 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 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 dutyconnected 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.

## Schedule A-1

Single Life Retirement Values
Based on the RP-2000 Combined Projected to 2007 Table and $8.0 \%$ Interest
(first used for December 31, 2008 valuations)

| Sample <br> Attained Ages | Value at Retirement: \$1.00 Monthly for Life |  | Future Life Expectancy (years) |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Men | Women | Men | Women |
| 45 | \$140.07 | \$143.93 | 34.35 | 38.75 |
| 50 | 134.09 | 139.28 | 29.63 | 33.96 |
| 55 | 126.07 | 132.94 | 25.03 | 29.25 |
| 60 | 115.95 | 124.73 | 20.64 | 24.71 |
| 65 | 103.99 | 114.73 | 16.60 | 20.44 |
| 70 | 90.27 | 103.12 | 12.94 | 16.52 |
| 75 | 74.95 | 89.98 | 9.69 | 13.00 |
| 80 | 59.25 | 75.48 | 6.97 | 9.87 |


| Sample <br> Attained <br> Ages | Benefit <br> Increasing <br> 3\% Yearly | Portion of Age 55 <br> Lives Still Alive | Sample <br> Attained <br> Ages |
| :---: | :---: | :---: | :---: |
| 55 | $\$ 100$ | $100 \%$ | 55 |
| 60 | 116 | 97 | 60 |
| 65 | 134 | 91 | 65 |
| 70 | 156 | 83 | 70 |
| 75 | 181 | 69 | 75 |
| 80 | 209 | 50 | 80 |

## Schedule A-2 Probabilities of Disability Retirement (first used for December 31, 2008 valuations)

Paid Firemen

| Sample <br> Ages | Percent Becoming Dis abled <br> within Next Year |  |
| :---: | :---: | :--- |
|  | Non-Duty | Duty |
| 20 | $0.01 \%$ | $0.07 \%$ |
| 25 | 0.05 | 0.07 |
| 30 | 0.05 | 0.10 |
| 35 | 0.06 | 0.13 |
| 40 | 0.09 | 0.20 |
| 45 | 0.14 | 0.31 |
| 50 | 0.24 | 0.52 |
| 55 | 0.44 | 0.91 |
| 60 | 0.69 | 1.36 |

## Paid Policemen

| Sample | Percent Becoming Dis abled <br> within Next Year |  |
| :---: | :---: | :---: |
| Ages | Non-Duty | Duty |
| 20 | $0.07 \%$ | $0.07 \%$ |
| 25 | 0.07 | 0.07 |
| 30 | 0.10 | 0.10 |
| 35 | 0.13 | 0.13 |
| 40 | 0.20 | 0.20 |
| 45 | 0.31 | 0.31 |
| 50 | 0.52 | 0.52 |
| 55 | 0.91 | 0.91 |
| 60 | 1.36 | 1.36 |

Schedule A-2
Probabilities of Disability Retirement (Concluded) (first used for December 31, 2003 valuations)

Volunteer Members

| Sample | Percent Becoming Dis abled <br> within Next Year |  |
| :---: | :---: | :---: |
| Ages | Non-Duty | Duty |
| 20 | $0.03 \%$ | $0.04 \%$ |
| 25 | 0.03 | 0.04 |
| 30 | 0.03 | 0.04 |
| 35 | 0.03 | 0.04 |
| 40 | 0.07 | 0.11 |
| 45 | 0.10 | 0.15 |
| 50 | 0.18 | 0.27 |
| 55 | 0.33 | 0.49 |
| 60 | 0.52 | 0.78 |

Schedule A-3
Probabilities of Retirement for Members Eligible to Retire (first used for December 31, 2004 valuations)

## Paid Firemen

| Retirement Ages | Percents of Active Members Retiring within Next Year |  | Years of Service | Percents of Active Members Retiring within Next Year |
| :---: | :---: | :---: | :---: | :---: |
|  | Early | Normal |  |  |
| 45 | 2 \% |  |  |  |
| 46 | 2 |  |  |  |
| 47 | 2 |  |  |  |
| 48 | 2 |  |  |  |
| 49 | 2 |  |  |  |
| 50 | 2 |  |  |  |
| 51 | 2 |  |  |  |
| 52 | 2 |  |  |  |
| 53 | 2 |  |  |  |
| 54 | 2 |  |  |  |
| 55 |  | 25 \% | 28 | 25 \% |
| 56 |  | 25 | 29 | 25 |
| 57 |  | 15 | 30 | 25 |
| 58 |  | 15 | 31 | 25 |
| 59 |  | 15 | 32 | 35 |
| 60 |  | 30 | 33 | 40 |
| 61 |  | 10 | 34 | 100 |
| 62 |  | 30 |  |  |
| 63 |  | 15 |  |  |
| 64 |  | 15 |  |  |
| 65 |  | 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 <br> Probabilities of Retirement for Members Eligible to Retire (Continued) (first used for December 31, 2004 valuations) 

## Paid Policemen

| Retirement Ages | Percents of Active Members Retiring within Next Year |  | Years of Service | Percents of Active Members Retiring within Next Year |
| :---: | :---: | :---: | :---: | :---: |
|  | Early | Normal |  |  |
| 45 | 2 \% |  |  |  |
| 46 | 2 |  |  |  |
| 47 | 2 |  |  |  |
| 48 | 2 |  |  |  |
| 49 | 2 |  |  |  |
| 50 | 2 |  |  |  |
| 51 | 2 |  |  |  |
| 52 | 2 |  |  |  |
| 53 | 2 |  |  |  |
| 54 | 2 |  |  |  |
| 55 |  | 25 \% | 28 | 25 \% |
| 56 |  | 25 | 29 | 25 |
| 57 |  | 25 | 30 | 25 |
| 58 |  | 20 | 31 | 25 |
| 59 |  | 20 | 32 | 35 |
| 60 |  | 60 | 33 | 40 |
| 61 |  | 15 | 34 | 100 |
| 62 |  | 30 |  |  |
| 63 |  | 15 |  |  |
| 64 |  | 15 |  |  |
| 65 |  | 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 <br> Probabilities of Retirement for Members Eligible to Retire (Concluded) (first used for December 31, 2003 valuations) 

## Volunteer Members

| Retirement Ages | Percents of Active Members Retiring within Next Year |  |  |
| :---: | :---: | :---: | :---: |
|  |  | Normal |  |
|  | Early | Fire | Police |
| 48 |  | 20 \% | 20 \% |
| 49 |  | 20 | 20 |
| 50 | 2 \% | 20 | 20 |
| 51 | 2 | 20 | 20 |
| 52 | 2 | 20 | 20 |
| 53 | 2 | 20 | 20 |
| 54 | 2 | 20 | 20 |
| 55 |  | 20 | 20 |
| 56 |  | 20 | 20 |
| 57 |  | 10 | 20 |
| 58 |  | 10 | 15 |
| 59 |  | 10 | 15 |
| 60 |  | 30 | 60 |
| 61 |  | 10 | 15 |
| 62 |  | 30 | 30 |
| 63 |  | 15 | 15 |
| 64 |  | 15 | 15 |
| 65 |  | 40 | 40 |
| 66 |  | 50 | 50 |
| 67 |  | 60 | 60 |
| 68 |  | 70 | 70 |
| 69 |  | 80 | 80 |
| 70 |  | 100 | 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 <br> Rates of Separation (excluding deaths and disability) <br> From Active Employment Before Retirement <br> (first used for December 31, 2008 valuations)

## Paid Service Firemen

| Sample <br> Ages | Years of <br> Service | \% of Active Members <br> Separating within Next Year |
| :---: | :---: | :---: |
| ALL | 0 | $10.00 \%$ |
|  | 1 | 9.00 |
|  | 2 | 8.00 |
|  | 3 | 7.00 |
|  | 4 | 6.00 |
| 25 | $5 \&$ Over | 4.40 |
| 30 |  | 3.80 |
| 35 |  | 3.10 |
| 40 |  | 2.50 |
| 45 |  | 1.80 |
| 50 |  | 1.00 |
| 55 |  | 0.50 |
| 60 |  | 0.00 |

## Paid Service Policemen

| Sample <br> Ages | Years of <br> Service | \% of Active Me mbers <br> Separating within Next Year |
| :---: | :---: | :---: |
| ALL | 0 | $20.00 \%$ |
|  | 1 | 18.00 |
|  | 2 | 15.00 |
|  | 3 | 13.00 |
|  | 4 | 11.00 |
| 25 | $5 \&$ Over | 9.63 |
| 30 |  | 8.10 |
| 35 |  | 6.21 |
| 40 |  | 4.95 |
| 45 |  | 3.96 |
| 50 |  | 3.15 |
| 55 |  | 0.90 |
| 60 |  | 0.00 |

# Schedule A-4 (Concluded) <br> Rates of Separation (excluding deaths and disability) <br> From Active Employment Before Retirement (first used for December 31, 2008 valuations) 

Volunteer Service Members

| Sample <br> Ages | Years of <br> Service | $\%$ of Active Members <br> Separating within Next Year |
| :---: | :---: | :---: |
| ALL | 0 | $23.00 \%$ |
|  | 1 | 21.00 |
|  | 2 | 19.00 |
|  | 3 | 17.00 |
|  | 4 | 15.00 |
| 25 | $5 \&$ Over |  |
| 30 |  | 11.55 |
| 35 |  | 10.22 |
| 40 |  | 9.33 |
|  |  | 8.82 |
| 45 |  | 8.35 |
| 50 |  | 6.49 |
| 55 |  | 4.60 |
| 60 |  | 3.88 |

## Schedule A-5 <br> Pay Increase Assumptions <br> For an Individual Paid Service Member (first used for December 31, 2008 valuations)

|  | Pay Increase Assumptions <br> For an Individual Me mber |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Sample <br> Ages | Prest Pay <br> Resulting in <br> Pay <br> $\mathbf{\$ 1 , 0 0 0}$ at Age $\mathbf{6 0}$ | Merit and <br> Seniority | Base <br> (Economic) | Increase <br> Next Year |
| 20 | $\$ 84$ | $6.0 \%$ |  |  |
| 25 | 128 | $5.1 \%$ | $4.0 \%$ | $10.0 \%$ |
| 30 | 187 | $3.2 \%$ | $4.0 \%$ | $9.1 \%$ |
| 35 | 264 | $1.9 \%$ | $4.0 \%$ | $7.2 \%$ |
|  |  | $1.2 \%$ | $4.0 \%$ | $5.9 \%$ |
| 40 | 363 | $0.9 \%$ | $4.0 \%$ | $5.2 \%$ |
| 45 | 487 | $0.6 \%$ | $4.0 \%$ | $4.9 \%$ |
| 50 | 635 | $0.4 \%$ | $4.0 \%$ | $4.6 \%$ |
| 55 | 806 | $0.3 \%$ | $4.0 \%$ | $4.4 \%$ |
| 60 | 1,000 |  | $4.0 \%$ | $4.3 \%$ |

Service related salary increases are assumed to occur during the first five years of employment. The first increase is $3.0 \%$ in addition to the age related pay increases shown above. In the following years the increases are $2.5 \%$, $2.0 \%, 1.5 \%$ and $1.0 \%$.



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$\begin{array}{rr}932,512 & 860,278 \\ 5,126,930 & 2,204,508 \\ 242,419 & 220,405 \\ 26,614 & 15,891 \\ 15,997,887 & 3,775,435 \\ 23,561,868 & 15,055,788 \\ 6,161,256 & 8,133,851 \\ 9,283,598 & 4,976,174 \\ 3,806,884 & 1,628,714 \\ 3,688,044 & 2,628,761\end{array}$
$\begin{array}{rr}932,512 & 860,278 \\ 5,126,930 & 2,204,508 \\ 242,419 & 220,405 \\ 26,614 & 15,891 \\ 15,997,887 & 3,775,435 \\ 23,561,868 & 15,055,788 \\ 6,161,256 & 8,133,851 \\ 9,283,598 & 4,976,174 \\ 3,806,884 & 1,628,714 \\ 3,688,044 & 2,628,761\end{array}$
$\begin{array}{rr}932,512 & 860,278 \\ 5,126,930 & 2,204,508 \\ 242,419 & 220,405 \\ 26,614 & 15,891 \\ 15,997,887 & 3,775,435 \\ 23,561,868 & 15,055,788 \\ 6,161,256 & 8,133,851 \\ 9,283,598 & 4,976,174 \\ 3,806,884 & 1,628,714 \\ 3,688,044 & 2,628,761\end{array}$
$\begin{array}{rr}932,512 & 860,278 \\ 5,126,930 & 2,204,508 \\ 242,419 & 220,405 \\ 26,614 & 15,891 \\ 15,997,887 & 3,775,435 \\ 23,561,868 & 15,055,788 \\ 6,161,256 & 8,133,851 \\ 9,283,598 & 4,976,174 \\ 3,806,884 & 1,628,714 \\ 3,688,044 & 2,628,761\end{array}$
$\begin{array}{rr}932,512 & 860,278 \\ 5,126,930 & 2,204,508 \\ 242,419 & 220,405 \\ 26,614 & 15,891 \\ 15,997,887 & 3,775,435 \\ 23,561,868 & 15,055,788 \\ 6,161,256 & 8,133,851 \\ 9,283,598 & 4,976,174 \\ 3,806,884 & 1,628,714 \\ 3,688,044 & 2,628,761\end{array}$
$\begin{array}{rr}932,512 & 860,278 \\ 5,126,930 & 2,204,508 \\ 242,419 & 220,405 \\ 26,614 & 15,891 \\ 15,997,887 & 3,775,435 \\ 23,561,868 & 15,055,788 \\ 6,161,256 & 8,133,851 \\ 9,283,598 & 4,976,174 \\ 3,806,884 & 1,628,714 \\ 3,688,044 & 2,628,761\end{array}$
$\begin{array}{rr}932,512 & 860,278 \\ 5,126,930 & 2,204,508 \\ 242,419 & 220,405 \\ 26,614 & 15,891 \\ 15,997,887 & 3,75,435 \\ 2,5,561,868 & 15,055,788 \\ 6,161,256 & 8,133,851 \\ 9,283,598 & 4,976,174 \\ 3,806884 & 1,688,714 \\ 3,688,044 & 2,68,761\end{array}$
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Combined Results for Local Plans under

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


* Includes DROP members.
Retirants and Beneficiaries Added to and Removed From Rolls

|  |  | Added |  | Removed |  |  | End of Year |  |  | \% Increase in Annual Allowance | Average |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Annual Allowance | $\%$ Increase in Allowance |  |  |  |  |  |  |  |
|  |  | No. |  | Annual Allowance | No. | AnnualAllowance |  | No. | AnnualAllowance |  |
| December 31, 2006 | Retirement |  | 46 | \$ 52,227 | 6 | \$ | 5,421 | 273 | \$ |  | 252,441 | 22.76 | \$ 925 | 4.76 |
|  | Survivor of active | 12 | 6,173 | 1 |  | 201 | 27 |  | 11,219 | 113.82 | 416 | 26.83 |
|  | Survivor of retired | 5 | 3,111 | 6 |  | 2,862 | 13 |  | 7,968 | 3.23 | 613 | 11.25 |
| December 31, 2007 | Retirement | 105 | 108,046 | 12 |  | 10,337 | 366 |  | 350,150 | 38.71 | 957 | 3.46 |
|  | Survivor of active | 14 | 3,896 |  |  |  | 41 |  | 15,115 | 34.73 | 369 | (11.30) |
|  | Survivor of retired | 7 | 3,879 | 1 |  | 689 | 19 |  | 11,158 | 40.04 | 587 | (4.24) |
| December 31, 2008 | Retirement | 106 | 134,401 | 9 |  | 6,415 | 463 |  | 478,136 | 36.55 | 1,033 | 7.94 |
|  | Survivor of active | 15 | 4,235 | 2 |  | 452 | 54 |  | 18,898 | 25.03 | 350 | (5.15) |
|  | Survivor of retired | 6 | 5,511 | 1 |  | 375 | 24 |  | 16,294 | 46.03 | 679 | 15.67 |
| December 31, 2009 | Retirement | 272 | 359,520 | 14 |  | 10,099 | 721 |  | 827,557 | 73.08 | 1,148 | 11.13 |
|  | Survivor of active | 14 | 4,482 | 2 |  | 873 | 66 |  | 22,507 | 19.10 | 341 | (2.57) |
|  | Survivor of retired | 13 | 12,309 | 4 |  | 1,227 | 33 |  | 27,376 | 68.01 | 830 | 22.24 |
| December 31, 2010 | Retirement | 182 | 213,270 | 16 |  | 15,511 | 887 |  | 1,025,316 | 23.90 | 1,156 | 0.70 |
|  | Survivor of active | 12 | 5,150 |  |  | 1,464 | 75 |  | 26,193 | 16.38 | 349 | 2.35 |
|  | Survivor of retired | 29 | 25,603 | 20 |  | 15,326 | 42 |  | 37,653 | 37.54 | 897 | 8.07 |
| December 31, 2011 | Retirement | 195 | 232,470 | 18 |  | 17,746 | 1,064 |  | 1,240,040 | 20.94 | 1,165 | 0.78 |
|  | Survivor of active | 21 | 9,896 |  |  |  | 96 |  | 36,089 | 37.78 | 376 | 7.74 |
|  | Survivor of retired | 18 | 16,523 | 2 |  | 771 | 58 |  | 53,405 | 41.83 | 921 | 2.68 |

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

* Includes DROP members.
** Data corrections in 2010.

Retirants and Beneficiaries Added to and Removed From Rolls

|  |  | Added |  |  | Removed |  |  | End of Year |  |  | \% Increase in Annual Allowance | Average |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Annual Allowance |  | $\%$ <br> Increase in Allowance |  |  |  |  |  |  |  |
|  |  | No. | Annual Allowance |  | No. | Annual Allowance |  | No. | Annual Allowance |  |  |
| December 31, 2006 | Retirement |  |  | 93 | \$ | 155,365 | 10 | \$ | 13,236 | 376 | \$ | 588,938 | 31.81 | \$ | 1,566 | 2.69 |
|  | Survivor of active |  |  |  | 45 |  |  |  | 1 |  | 1,528 | 3.03 |  | 1,528 | 3.03 |
|  | Survivor of retired | 21 |  | 27,434 | 2 |  | 2,400 | 99 |  | 123,530 | 25.42 |  | 1,248 | 1.38 |
| December 31, 2007 | Retirement | 39 |  | 65,303 | 14 |  | 22,176 | 401 |  | 632,065 | 7.32 |  | 1,576 | 0.64 |
|  | Survivor of active | 1 |  | 1,846 |  |  |  | 2 |  | 3,374 | 120.81 |  | 1,687 | 10.41 |
|  | Survivor of retired | 24 |  | 34,027 | 2 |  | 2,473 | 121 |  | 155,084 | 25.54 |  | 1,282 | 2.72 |
| December 31, 2008 | Retirement | 130 |  | 240,216 | 5 |  | 7,007 | 526 |  | 865,274 | 36.90 |  | 1,645 | 4.38 |
|  | Survivor of active | 3 |  | 5,327 |  |  |  | 5 |  | 8,701 | 158 |  | 1,740 | 3.14 |
|  | Survivor of retired | 45 |  | 63,123 | 10 |  | 12,266 | 156 |  | 205,941 | 32.79 |  | 1,320 | 2.96 |
| December 31, 2009 | Retirement | 128 |  | 196,439 | 20 |  | 30,294 | 634 |  | 1,031,419 | 19.20 |  | 1,627 | (1.09) |
|  | Survivor of active | 9 |  | 12,556 |  |  |  | 14 |  | 21,257 | 144.31 |  | 1,518 | (12.76) |
|  | Survivor of retired | 43 |  | 59,514 | 17 |  | 23,031 | 182 |  | 242,424 | 17.72 |  | 1,332 | 0.91 |
| December 31, 2010* | Retirement | 48 |  | 87,376 | 23 |  | 34,348 | 659 |  | 1,084,447 | 5.14 |  | 1,646 | 1.17 |
|  | Survivor of active |  |  | 211 |  |  |  | 14 |  | 21,468 | 0.99 |  | 1,533 | 0.99 |
|  | Survivor of retired | 131 |  | 181,383 | 113 |  | 151,528 | 200 |  | 272,279 | 12.32 |  | 1,361 | 2.18 |
| December 31, 2011 | Retirement | 21 |  | 37,674 | 25 |  | 35,673 | 655 |  | 1,086,448 | 0.18 |  | 1,659 | 0.79 |
|  | Survivor of active |  |  | 217 |  |  |  | 14 |  | 21,685 | 1.01 |  | 1,549 | 1.04 |
|  | Survivor of retired | 25 |  | 35,876 | 15 |  | 18,322 | 210 |  | 289,833 | 6.45 |  | 1,380 | 1.40 |

* Data corrections in 2010.



# Statistical Section Summary 

## Retirement

Page 107 reflects Demographic Data for active, inactive vested, retirees and survivors as of December 31,2011. Annualized benefits payable as of December 31, 2011 by Option Type is shown on page 108.

## Assets vs. Liabilities

Page 109 reflects the LOPFI and Local plans, administered by LOPFI, Schedule of Funding Progress for the last 10 years. The existence of the unfunded actuarial accrued liabilities is not necessarily an indication of financial problems, however, the fluctuations are important and should be monitored and controlled with utmost prudence.

## Schedule of Expenses by Type

Page 110 reflects the last 10 years of Benefits Paid, Refunds to termed contributory members, Administrative Expenses, Investment Expenses and DROP Distributions. Benefits Paid growth has been the result of Local Plan Mergers with LOPFI, increase inLOPFI members retiring, and benefitenhancements. Refunds are directly associated with contributory members terminating and withdrawing their member contributions,

## Schedule of Revenues by Source

Page 110 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 from an increase in membership, consolidation of Local Plans, and benefit enhancements. Investment Income (Loss) has a direct correlation to the economy and each Money Managers' investment performance.

## Schedule of Changes in Plan Net Assets

Page 110 reflects the last 10 years of Changes of Net Plan Assets,which is the difference between Total Revenues and Total Expenses.

## Schedules of Retirement Payments

Pages 111-122 present schedules of retirement payments showing type of retirement, option selected by each type of department.

## Participating Employer Groups

Page 123 shows the Top Ten Participating Employers in the plan.

# LOPFI Demographic Data <br> (Excluding Local Funds) <br> As of December 31, 2011 

## Active Paid Members

Number. ..... 6,016
Average Age ..... 38.9 years
Average Length of Service ..... 11.7 years
Average Annual Salary ..... \$45,341
Active Volunteer Members
Number. ..... 7,034
Average Age ..... 40.8 years
Average Length of Service ..... 9.5 years
Inactive Vested Members5,113
Total Retirees and Survivors
Number. ..... 2,367
Average Monthly Benefit ..... \$741@
2011 Retirees and Survivors

| Normal |  | Duty Related Disability |  |
| :---: | :---: | :---: | :---: |
| Number | 1,695 | Number | 243 |
| Average Age | 62.9 years | Average Age | 49.4 years |
| Average Length of Service | 15.7 years | Average Length of Service | 10.1 years |
| Average Monthly Benefit | \$587 | Average Monthly Benefit | \$2,225 |
| Survivors (Death in Service) |  | Non-Duty Related Disability |  |
| Number | 191 | Number | 238 |
| Average Age | 37.2 years | Average Age | 50 years |
| Average Monthly Benefit | \$268 | Average Length of Service | 9.6 years |
|  |  | Average Monthly Benefit | \$702 |

@ Average monthly benefit is $\mathbf{\$ 1 , 4 3 0}$ and $\mathbf{\$ 9 1}$ for paid service members and volunteer service members, respectively.
Annual Benefit by Type, Last Ten Years

|  | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Type of Benefit |  |  |  |  |  |  |  |  |  |  |
| Age and service benefits: |  |  |  |  |  |  |  |  |  |  |
| Retirees | 12,366,835 | 13,439,189 | 14,407,533 | 15,546,079 | 16,763,686 | 17,909,240 | 19,805,489 | 21,626,643 | 25,651,097 | 30,238,832 |
| Survivors | 1,557,186 | 1,776,147 | 2,038,873 | 2,125,832 | 2,318,235 | 2,570,427 | 2,736,446 | 2,971,839 | 3,465,841 | 3,616,128 |
| Death in service benefits | 122,480 | 149,526 | 144,802 | 321,658 | 372,308 | 421,281 | 564,159 | 898,742 | 936,616 | 980,215 |
| Disability benefits: |  |  |  |  |  |  |  |  |  |  |
| Retirees - duty | 2,178,247 | 2,762,728 | 3,228,243 | 3,657,461 | 4,237,285 | 5,059,662 | 5,859,132 | 6,453,030 | 7,293,655 | 8,075,405 |
| Retirees - non-duty | 418,333 | 486,693 | 551,710 | 665,900 | 772,410 | 1,054,652 | 1,283,033 | 1,680,756 | 2,001,873 | 2,371,096 |
| Survivors | 352,187 | 383,037 | 446,938 | 423,452 | 437,643 | 447,447 | 506,442 | 299,158 | 481,592 | 572,584 |
| Total annual benefits | 16,995,268 | 18,997,320 | 20,818,099 | 22,740,382 | 24,901,567 | 27,462,709 | 30,754,701 | 33,930,168 | 39,830,674 | 45,854,260 |
| Refunds | 1,037,067 | 877,252 | 1,346,832 | 836,941 | 1,280,366 | 1,019,140 | 995,285 | 1,027,093 | 814,866 | 1,097,813 |

Note: Benefit amounts shown above are the annualized monthly benefits in effect on December 31 of each year.

|  |  <br>  <br>  <br>  |
| :---: | :---: |


LOPFI and Local Plan Schedule of Funding Progress

|  | arial Accrued bility (AAL) <br> (b) | $\begin{aligned} & \text { Unfunded AAL } \\ & \text { (UAAL) } \\ & \text { (c) }=(\mathbf{b})-(\mathbf{a}) \\ & \hline \end{aligned}$ |  |
| :---: | :---: | :---: | :---: |
| \$ | 534,533,175 | \$ | 18,932,912 |
| \$ | 625,021,624 | \$ | 71,964,396 |
| \$ | 754,004,285 | \$ | 152,205,376 |
| \$ | 842,926,984 | \$ | 189,380,008 |
| \$ | 927,816,659 | \$ | 203,069,832 |
| \$ | 1,054,599,720 | \$ | 227,053,718 |
| \$ | 1,200,515,663 | \$ | 411,882,581 |
| \$ | 1,379,093,412 | \$ | 500,135,048 |
| \$ | 1,519,527,855 | \$ | 537,372,863 |
| \$ | 1,654,156,087 | \$ | 583,470,169 |


|  |  |
| :---: | :---: |


| Actuarial <br> Valuation <br> Date |
| :---: |
| $12 / 31 / 2002 *$ |
| $12 / 31 / 2003+$ |
| $12 / 31 / 2004 *$ |
| $12 / 31 / 2005$ |
| $12 / 31 / 2006$ |
| $12 / 31 / 2007$ |
| $12 / 31 / 2008 *+$ |
| $12 / 31 / 2009$ |
| $12 / 31 / 2010$ |
| $12 / 31 / 2011$ |

## LOPFI

## Expenses by Type

 Last Ten Calendar Years| Year | Benefits Paid | Refunds | Administrative <br> Expenses | DROP <br> Distributions | Total |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 2002 | \$14,604,923 | \$1,037,067 | \$910,408 | \$2,469,774 | \$19,022,172 |
| 2003 | \$17,127,556 | \$1,020,567 | \$1,043,293 | \$2,892,885 | \$22,084,301 |
| 2004 | \$17,669,863 | \$1,278,586 | \$1,034,523 | \$1,770,312 | \$21,753,284 |
| 2005 | \$20,588,418 | \$882,766 | \$1,156,384 | \$830,226 | \$23,457,794 |
| 2006 | \$22,945,150 | \$1,280,366 | \$1,170,219 | \$3,706,498 | \$29,102,233 |
| 2007 | \$25,233,346 | \$1,031,045 | \$1,519,684 | \$2,445,907 | \$30,229,982 |
| 2008 | \$27,671,177 | \$995,285 | \$1,839,547 | \$2,069,403 | \$32,575,412 |
| 2009 | \$30,669,255 | \$1,027,093 | \$1,948,267 | \$3,251,683 | \$36,896,298 |
| 2010 | \$36,586,520 | \$814,866 | \$1,739,807 | \$1,918,136 | \$41,059,329 |
| 2011 | \$41,402,892 | \$1,097,813 | \$1,696,390 | \$2,093,535 | \$46,290,630 |

## LOPFI <br> Revenues by Source Last Ten Calendar Years

|  | Member |  |  |  |  |
| :---: | ---: | :---: | :---: | :---: | :---: |
| Year | Employer <br> Contributions | Merger $/$ <br> Contributions | Military <br> Purchase | Investment <br> Income (Loss) | Total Income <br> (Loss) |
| 2002 | $\$ 7,425,163$ | $\$ 18,261,057$ | $\$ 2,894,751$ | $(\$ 46,547,609)$ | $(\$ 17,966,638)$ |
| 2003 | $\$ 7,997,262$ | $\$ 22,412,513$ | $\$ 485,767$ | $\$ 94,768,863$ | $\$ 125,664,405$ |
| 2004 | $\$ 7,611,322$ | $\$ 30,802,924$ | $\$ 7,745,078$ | $\$ 46,531,092$ | $\$ 92,690,416$ |
| 2005 | $\$ 8,954,827$ | $\$ 33,217,304$ | $\$ 4,649,705$ | $\$ 16,755,216$ | $\$ 63,577,052$ |
| 2006 | $\$ 9,594,183$ | $\$ 41,270,116$ | $\$ 1,149,958$ | $\$ 66,305,847$ | $\$ 118,320,104$ |
| 2007 | $\$ 10,437,131$ | $\$ 46,456,241$ | $\$ 4,272,635$ | $\$ 64,422,521$ | $\$ 125,588,528$ |
| 2008 | $\$ 10,371,754$ | $\$ 52,911,629$ | $\$ 6,635,472$ | $(\$ 212,018,946)$ | $(\$ 142,100,091)$ |
| 2009 | $\$ 14,354,314$ | $\$ 54,473,529$ | $\$ 15,619,218$ | $\$ 123,024,492$ | $\$ 207,471,553$ |
| 2010 | $\$ 18,621,969$ | $\$ 58,942,600$ | $\$ 8,279,405$ | $\$ 83,227,717$ | $\$ 169,071,691$ |
| 2011 | $\$ 19,340,191$ | $\$ 63,814,398$ | $\$ 5,066,225$ | $\$ 3,960,803$ | $\$ 92,181,617$ |

## LOPFI

Changes in Net Assets Last Ten Calendar Years

| Year | Change in Plan <br> Net Assets |  |
| :---: | :---: | :---: |
| 2002 | $\$$ | $(36,988,810)$ |
| 2003 | $\$$ | $103,580,104$ |
| 2004 | $\$$ | $70,937,132$ |
| 2005 | $\$$ | $40,119,258$ |
| 2006 | $\$$ | $89,217,871$ |
| 2007 | $\$$ | $95,358,546$ |
| 2008 | $\$(174,675,503)$ |  |
| 2009 | $\$$ | $170,575,255$ |
| 2010 | $\$$ | $128,012,362$ |
| 2011 | $\$$ | $45,890,987$ |

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

| Monthly Benefit | No. of Retirants | Paid Police (Excluding Local Plan) |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Type of Retirement* |  |  |  |  |  | Option Selected\# |  |  |  |
|  |  | 1 | 2 | 3 | 4 | 5 | 6 | Life | Opt. A | Opt. B | Opt. C |
| \$1-500 | 263 | 176 | 3 | 1 | 47 | - | 36 | 94 | 46 | 70 | 53 |
| 501-1,000 | 148 | 85 | 2 | 4 | 29 | 3 | 25 | 66 | 19 | 42 | 21 |
| 1,001-1,500 | 85 | 50 | 5 | 11 | 14 | 4 | 1 | 40 | 14 | 18 | 13 |
| 1,501-2,000 | 100 | 32 | 3 | 45 | 14 | 6 | - | 60 | 11 | 16 | 13 |
| 2,001-2,500 | 101 | 34 | - | 46 | 10 | 11 | - | 57 | 8 | 22 | 14 |
| 2,501-3,000 | 52 | 15 | - | 32 | 2 | 3 | - | 33 | 4 | 8 | 7 |
| 3,001-3,500 | 33 | 18 | - | 11 | 3 | 1 | - | 16 | 1 | 8 | 8 |
| 3,501-4,000 | 18 | 9 | 1 | 5 | - | 3 | - | 12 | 1 | 3 | 2 |
| Over \$4,000 | 9 | 8 | - | - | - | 1 | - | 4 | 3 | - | 2 |
| Total | 809 | 427 | 14 | 155 | 119 | 32 | 62 | 382 | 107 | 187 | 133 |

[^7]

| Paid Fire (Excluding Local Plan) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Monthly Benefit | No. of Retirants | Type of Retirement* |  |  |  |  |  |  |  |  | Option Selected\# |  |  |  |
|  |  | 1 | 2 |  | 3 | 4 |  | 5 |  | 6 | Life | Opt. A | Opt. B | Opt. C |
| \$1-500 | 52 | 23 |  | - | - |  | 9 |  | - | 20 | 20 | 7 | 23 | 2 |
| 501-1,000 | 36 | 16 |  | 1 | 1 |  | 8 |  | 1 | 9 | 18 | 4 | 9 | 5 |
| 1,001-1,500 | 48 | 29 |  | 1 | 7 |  | 7 |  | 2 | 2 | 18 | 13 | 8 | 9 |
| 1,501-2,000 | 61 | 23 |  | 1 | 19 |  | 7 |  | 10 | 1 | 38 | 9 | 7 | 7 |
| 2,001-2,500 | 49 | 12 |  | - | 21 |  | 3 |  | 12 | 1 | 35 | 3 | 8 | 3 |
| 2,501-3,000 | 44 | 13 |  | - | 26 |  | 2 |  | 3 | - | 29 | 3 | 7 | 5 |
| 3,001-3,500 | 27 | 10 |  | - | 12 |  | 1 |  | 4 | - | 17 | 3 | 5 | 2 |
| 3,501-4,000 | 14 | 8 |  | - | - |  | 2 |  | 4 | - | 7 | 1 | 4 | 2 |
| Over \$4,000 | 8 | 7 |  | - | - |  | - |  | 1 | - | 5 | - | 3 | - |
| Total | 339 | 141 |  | 3 | 86 |  | 39 |  | 37 | 33 | 187 | 43 | 74 | 35 |
| * Type of Retirement |  |  |  |  |  |  |  |  |  |  | \# Option Selected at Retirement |  |  |  |
| 1. Normal retirement for age and service |  |  |  |  |  |  |  |  |  |  | Normal - normal form of annuity for 5 |  |  |  |
| 2. Early retirement for age and service |  |  |  |  |  |  |  |  |  |  | years certain and life thereafter |  |  |  |
| 3. Duty disability retirement |  |  |  |  |  |  |  |  |  |  | Opt. A-75\% survivor annuity |  |  |  |
| 4. Non-Duty disability retirement |  |  |  |  |  |  |  |  |  |  | Opt. B-50\% survivor annuity |  |  |  |
| 5. DROP retirement |  |  |  |  |  |  |  |  |  |  | Opt. C- annuity for 10 years |  |  |  |
| 6. Survivor payment |  |  |  |  |  |  |  |  |  |  | certain and life thereafter |  |  |  |

Volunteer Police (Excluding Local Plan)

| Monthly Benefit | No. of Retirants | Type of Retirement* |  |  |  |  |  |  |  | Option Selected\# |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 1 | 2 | 3 |  | 4 |  | 5 |  | Life | Opt. A | Opt. B | Opt. C |
| \$1-50 | 29 | 26 | - |  | - |  | 3 |  | - | 12 | 4 | 1 | 12 |
| 51-75 | 1 | 1 | - |  | - |  | - |  | - | - | 1 | - | - |
| 76-100 | 2 | 2 | - |  | - |  | - |  | - | - | - | 1 | 1 |
| 101-125 | 1 | 1 | - |  | - |  | - |  | - | 1 | - | - | - |
| 126-150 | 1 | 1 | - |  | - |  | - |  | - | - | 1 | - | - |
| 151-175 | - | - | - |  | - |  | - |  | - | - | - | - | - |
| 176-200 | 1 | 1 | - |  | - |  | - |  | - | 1 | - | - | - |
| 201-225 | 1 | 1 | - |  | - |  | - |  | - | - | 1 | - | - |
| Over \$225 | - | - | - |  | - |  | - |  | - | - | - | - | - |
| Total | 36 | 33 | - |  | - |  | 3 |  | - | 14 | 7 | 2 | 13 |

Gabriel Roeder Smith \& Company
Volunteer Fire (Excluding Local Plan)

Gabriel Roeder Smith \& Company

## LOPFI

## Paid Police



# Schedule of Retirements by Type of Benefit and Department <br> LOPFI <br> Paid Fire 



## Schedule of Retirements by Type of Benefit and Department

LOPFI
Volunteer Police

| Retirement Effective Dates January 1, 2002 to December 31, 2011 |  |  |  | Service at Retirement |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | 0-4 |  | 5-9 |  | 10-14 |  | 15-19 |  | 20-24 |  | 25-29 |  | 30+ |  |
| 01/01/02 | - | 12/31/02 | Average Monthly Benefit <br> Final Average Pay <br> Number of Active Retirees | $\begin{aligned} & \$ \\ & \text { N/A } \end{aligned}$ |  | $\begin{aligned} & \$ \\ & \mathrm{~N} / \mathrm{A} \end{aligned}$ | - | $\begin{aligned} & \$ \\ & \mathrm{~N} / \mathrm{A} \end{aligned}$ | $46$ <br> 1 | $\begin{aligned} & \$ \\ & \mathrm{~N} / \mathrm{A} \end{aligned}$ | 54 <br> 1 | $\begin{aligned} & \$ \\ & \mathrm{~N} / \mathrm{A} \end{aligned}$ | - | $\begin{aligned} & \$ \\ & \text { N/A } \end{aligned}$ |  | $\begin{aligned} & \$ \\ & \mathrm{~N} / \mathrm{A} \end{aligned}$ | - |
| 01/01/03 | - | 12/31/03 | Average Monthly Benefit <br> Final Average Pay <br> Number of Active Retirees | $\begin{aligned} & \$ \\ & \text { N/A } \end{aligned}$ |  | $\begin{aligned} & \$ \\ & \text { N/A } \end{aligned}$ | - | $\begin{aligned} & \$ \\ & \mathrm{~N} / \mathrm{A} \end{aligned}$ | $46$ <br> 1 | $\begin{aligned} & \$ \\ & \mathrm{~N} / \mathrm{A} \end{aligned}$ | $74$ | $\begin{aligned} & \$ \\ & \mathrm{~N} / \mathrm{A} \end{aligned}$ | - | $\begin{aligned} & \$ \\ & \mathrm{~N} / \mathrm{A} \end{aligned}$ | - | $\begin{aligned} & \$ \\ & \mathrm{~N} / \mathrm{A} \end{aligned}$ | - |
| 01/01/04 | - | 12/31/04 | Average Monthly Benefit <br> Final Average Pay <br> Number of Active Retirees | $\begin{aligned} & \$ \\ & \text { N/A } \end{aligned}$ | 11 2 | $\begin{aligned} & \$ \\ & \mathrm{~N} / \mathrm{A} \end{aligned}$ | 33 1 | $\begin{aligned} & \$ \\ & \text { N/A } \end{aligned}$ | $48$ <br> 1 | $\begin{aligned} & \$ \\ & \text { N/A } \end{aligned}$ | 74 2 | $\begin{aligned} & \$ \\ & \mathrm{~N} / \mathrm{A} \end{aligned}$ | - | $\begin{aligned} & \$ \\ & \text { N/A } \end{aligned}$ | $\begin{array}{r} 133 \\ 2 \end{array}$ | $\begin{aligned} & \$ \\ & \mathrm{~N} / \mathrm{A} \end{aligned}$ | - |
| 01/01/05 | - | 12/31/05 | Average Monthly Benefit <br> Final Average Pay <br> Number of Active Retirees | $\begin{aligned} & \$ \\ & \text { N/A } \end{aligned}$ | 9 3 | $\begin{aligned} & \$ \\ & \mathrm{~N} / \mathrm{A} \end{aligned}$ | 34 1 | $\begin{aligned} & \$ \\ & \text { N/A } \end{aligned}$ | 49 | $\begin{aligned} & \$ \\ & \mathrm{~N} / \mathrm{A} \end{aligned}$ | 77 2 | $\begin{aligned} & \$ \\ & \mathrm{~N} / \mathrm{A} \end{aligned}$ | - | $\begin{aligned} & \$ \\ & \mathrm{~N} / \mathrm{A} \end{aligned}$ | $\begin{array}{r} 136 \\ 2 \end{array}$ | $\begin{aligned} & \$ \\ & \mathrm{~N} / \mathrm{A} \end{aligned}$ | - |
| 01/01/06 | - | 12/31/06 | Average Monthly Benefit <br> Final Average Pay <br> Number of Active Retirees | $\begin{aligned} & \$ \\ & \text { N/A } \end{aligned}$ | 8 4 | $\begin{aligned} & \$ \\ & \mathrm{~N} / \mathrm{A} \end{aligned}$ | $35$ <br> 1 | $\begin{aligned} & \$ \\ & \mathrm{~N} / \mathrm{A} \end{aligned}$ | - | $\begin{aligned} & \$ \\ & \text { N/A } \end{aligned}$ | 79 2 | $\begin{aligned} & \$ \\ & \mathrm{~N} / \mathrm{A} \end{aligned}$ | - | $\begin{aligned} & \$ \\ & \text { N/A } \end{aligned}$ | $\begin{array}{r} 140 \\ 2 \end{array}$ | $\begin{aligned} & \$ \\ & \mathrm{~N} / \mathrm{A} \end{aligned}$ | - |
| 01/01/07 | - | 12/31/07 | Average Monthly Benefit <br> Final Average Pay <br> Number of Active Retirees | $\begin{aligned} & \$ \\ & \mathrm{~N} / \mathrm{A} \end{aligned}$ | $\begin{aligned} & 8 \\ & 4 \end{aligned}$ | $\begin{aligned} & \$ \\ & \text { N/A } \end{aligned}$ | 34 5 | $\begin{aligned} & \$ \\ & \mathrm{~N} / \mathrm{A} \end{aligned}$ | - | $\begin{aligned} & \$ \\ & \mathrm{~N} / \mathrm{A} \end{aligned}$ | 82 2 | $\begin{aligned} & \$ \\ & \mathrm{~N} / \mathrm{A} \end{aligned}$ | - | $\begin{aligned} & \$ \\ & \mathrm{~N} / \mathrm{A} \end{aligned}$ | 144 2 | $\begin{aligned} & \$ \\ & \mathrm{~N} / \mathrm{A} \end{aligned}$ | - |
| 01/01/08 | - | 12/31/08 | Average Monthly Benefit <br> Final Average Pay <br> Number of Active Retirees | $\begin{aligned} & \$ \\ & \text { N/A } \end{aligned}$ | $10$ <br> 5 | $\begin{aligned} & \$ \\ & \mathrm{~N} / \mathrm{A} \end{aligned}$ | 35 5 | $\begin{aligned} & \$ \\ & \mathrm{~N} / \mathrm{A} \end{aligned}$ | - | $\begin{aligned} & \$ \\ & \mathrm{~N} / \mathrm{A} \end{aligned}$ | 84 2 | $\begin{aligned} & \$ \\ & \mathrm{~N} / \mathrm{A} \end{aligned}$ | - | $\begin{aligned} & \$ \\ & \text { N/A } \end{aligned}$ | 148 2 | $\begin{aligned} & \$ \\ & \mathrm{~N} / \mathrm{A} \end{aligned}$ | - |
| 01/01/09 | - | 12/31/09 | Average Monthly Benefit <br> Final Average Pay <br> Number of Active Retirees | $\begin{aligned} & \$ \\ & \text { N/A } \end{aligned}$ | $12$ <br> 8 | $\begin{aligned} & \$ \\ & \mathrm{~N} / \mathrm{A} \end{aligned}$ | 36 5 | $\begin{aligned} & \$ \\ & \mathrm{~N} / \mathrm{A} \end{aligned}$ | - | $\begin{aligned} & \$ \\ & \mathrm{~N} / \mathrm{A} \end{aligned}$ | $89$ $3$ | $\begin{aligned} & \$ \\ & \mathrm{~N} / \mathrm{A} \end{aligned}$ | - | $\begin{aligned} & \$ \\ & \text { N/A } \end{aligned}$ | $\begin{array}{r} 153 \\ 2 \end{array}$ | $\begin{aligned} & \$ \\ & \text { N/A } \end{aligned}$ | - |
| 01/01/10 | - | 12/31/10 | Average Monthly Benefit <br> Final Average Pay <br> Number of Active Retirees | $\begin{aligned} & \$ \\ & \text { N/A } \end{aligned}$ | 12 <br> 13 | $\begin{aligned} & \$ \\ & \text { N/A } \end{aligned}$ | 38 5 | $\begin{aligned} & \$ \\ & \mathrm{~N} / \mathrm{A} \end{aligned}$ | $71$ $2$ | $\begin{aligned} & \$ \\ & \mathrm{~N} / \mathrm{A} \end{aligned}$ | 103 | $\begin{aligned} & \$ \\ & \mathrm{~N} / \mathrm{A} \end{aligned}$ | - | $\begin{aligned} & \$ \\ & \text { N/A } \end{aligned}$ | 157 2 | $\begin{aligned} & \$ \\ & \mathrm{~N} / \mathrm{A} \end{aligned}$ | 201 1 |
| 01/01/11 | - | 12/31/11 | Average Monthly Benefit <br> Final Average Pay <br> Number of Active Retirees <br> \# Includes 1 member whose | \$ <br> N/A <br> vice wa | 11 <br> 20 <br> as no | \$ <br> N/A <br> provid | 38 9 9 ded. | $\begin{aligned} & \$ \\ & \mathrm{~N} / \mathrm{A} \end{aligned}$ | 71 $2$ | $\begin{aligned} & \$ \\ & \mathrm{~N} / \mathrm{A} \end{aligned}$ | 106 | $\begin{aligned} & \$ \\ & \mathrm{~N} / \mathrm{A} \end{aligned}$ | - | $\begin{aligned} & \$ \\ & \text { N/A } \end{aligned}$ | 162 2 | $\begin{aligned} & \$ \\ & \mathrm{~N} / \mathrm{A} \end{aligned}$ | 207 1 |

# Schedule of Retirements by Type of Benefit and Department <br> LOPFI <br> Volunteer Fire 



# Schedule of Retirements by Type of Benefit and Department 

Local Plan<br>Paid Police



# Schedule of Retirements by Type of Benefit and Department 

Local Plan<br>Paid Fire



# Schedule of Retirements by Type of Benefit and Department 

Local Plan<br>Volunteer Fire

| Retirement Effective Dates January 1, 2002 to December 31, 2011 |  |  | Service at Retirement |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 0-4\# | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30+ |
| 01/01/02 | - 12/31/02 | Average Monthly Benefit <br> Final Average Pay <br> Number of Active Retirees | $\begin{gathered} \$ \quad 70 \\ \text { N/A } \end{gathered}$ | $\begin{aligned} & \$ \mathrm{~N} / \mathrm{A} \end{aligned}$ | ${ }^{\$} \mathrm{~N} / \mathrm{A}$ | $\begin{gathered} \$ \quad 103 \\ \mathrm{~N} / \mathrm{A} \end{gathered}$ | $\begin{gathered} \$ 133 \\ \mathrm{~N} / \mathrm{A} \end{gathered}$ | $\begin{gathered} \$ 104 \\ \text { N/A } \end{gathered}$ | $\begin{gathered} \$ 112 \\ \text { N/A } \end{gathered}$ |
|  |  |  | $79$ <br> rvice was | not pro | d. | 9 | 17 | 17 | 13 |
| 01/01/03 | - 12/31/03 | Average Monthly Benefit <br> Final Average Pay <br> Number of Active Retirees | $\begin{gathered} \$ 93 \\ \mathrm{~N} / \mathrm{A} \end{gathered}$ | $\begin{gathered} \$ 110 \\ \mathrm{~N} / \mathrm{A} \end{gathered}$ | $\begin{gathered} \$ 138 \\ \text { N/A } \end{gathered}$ | $\begin{gathered} \$ 108 \\ \text { N/A } \end{gathered}$ | $\begin{gathered} \$ 117 \\ \text { N/A } \end{gathered}$ | $\begin{gathered} \$ 133 \\ \mathrm{~N} / \mathrm{A} \end{gathered}$ | $\begin{gathered} \$ 166 \\ \text { N/A } \end{gathered}$ |
|  |  |  | 96 service was | not provi | $\begin{aligned} & 2 \\ & \text { led. } \end{aligned}$ | 10 | 19 | 19 | 22 |
| 01/01/04 | - 12/31/04 | Average Monthly Benefit Final Average Pay | $\begin{gathered} \$ 93 \\ \mathrm{~N} / \mathrm{A} \end{gathered}$ | $\begin{gathered} \$ \quad 123 \\ \mathrm{~N} / \mathrm{A} \end{gathered}$ | $\begin{gathered} \$ \quad 150 \\ \text { N/A } \end{gathered}$ | $\begin{gathered} \$ 108 \\ \text { N/A } \end{gathered}$ | $\begin{gathered} \$ \quad 114 \\ \mathrm{~N} / \mathrm{A} \end{gathered}$ | $\begin{gathered} \$ \quad 131 \\ \mathrm{~N} / \mathrm{A} \end{gathered}$ | $\begin{gathered} \$ 124 \\ \mathrm{~N} / \mathrm{A} \end{gathered}$ |
|  |  | Number of Active Retirees <br> \# Includes 96 members who |  | $\begin{gathered} 3 \\ \text { not provid } \end{gathered}$ | d. | 10 | 26 | 47 | 93 |
| 01/01/05 | - 12/31/05 | Average Monthly Benefit <br> Final Average Pay <br> Number of Active Retirees | $\begin{gathered} \$ 109 \\ \text { N/A } \end{gathered}$ | $\begin{gathered} \$ 123 \\ \mathrm{~N} / \mathrm{A} \end{gathered}$ | $\begin{gathered} \$ 150 \\ \text { N/A } \end{gathered}$ | $\begin{gathered} \$ 108 \\ \text { N/A } \end{gathered}$ | $\begin{gathered} \$ 121 \\ \mathrm{~N} / \mathrm{A} \end{gathered}$ | $\begin{gathered} \$ 128 \\ \mathrm{~N} / \mathrm{A} \end{gathered}$ | $\begin{gathered} \$ 127 \\ \mathrm{~N} / \mathrm{A} \end{gathered}$ |
|  |  |  | 95 service was | not provi ${ }^{3}$ | d. | 10 | 34 | 76 | 155 |
| 01/01/06 | - 12/31/06 | Average Monthly Benefit Final Average Pay | $\begin{gathered} \$ \quad 109 \\ \text { N/A } \end{gathered}$ | $\begin{gathered} \$ 130 \\ \mathrm{~N} / \mathrm{A} \end{gathered}$ | $\begin{gathered} \$ 127 \\ \text { N/A } \end{gathered}$ | $\begin{gathered} \$ \quad 107 \\ \text { N/A } \end{gathered}$ | $\begin{gathered} \$ \quad 125 \\ \mathrm{~N} / \mathrm{A} \end{gathered}$ | $\begin{gathered} \$ \quad 131 \\ \mathrm{~N} / \mathrm{A} \end{gathered}$ | $\begin{gathered} \$ 130 \\ \mathrm{~N} / \mathrm{A} \end{gathered}$ |
|  |  | Number of Active Retirees <br> \# Includes 95 members who | $95$ <br> service wa |  | ded. ${ }^{2}$ | 11 | 46 | 99 | 219 |
| 01/01/07 | - 12/31/07 | Average Monthly Benefit <br> Final Average Pay <br> Number of Active Retirees | \$ 112 | \$ 130 | \$ 128 | \$ 107 | \$ 127 | \$ 133 | \$ 131 |
|  |  |  | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
|  |  |  | 125 | 4 | 2 | 11 | 48 | 106 | 228 |
|  |  | \# Includes 125 members whose service was not provided. |  |  |  |  |  |  |  |
| 01/01/08 | - 12/31/08 | Average Monthly Benefit | \$ 131 | \$ 117 | \$ 150 | \$ 111 | \$ 128 | \$ 133 | \$ 132 |
|  |  | Final Average Pay | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
|  |  | Number of Active Retirees | 277 | 3 | 1 | 11 | 50 | 118 | 227 |
|  |  | \# Includes 273 members whose service was not provided. |  |  |  |  |  |  |  |
| 01/01/09 | - 12/31/09 | Average Monthly Benefit | \$ 126 | \$ 117 | \$ 150 | \$ 111 | \$ 130 | \$ 136 | \$ 140 |
|  |  | Final Average Pay | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
|  |  | Number of Active Retirees | 500 | 3 | 1 | 11 | 46 | 105 | 164 |
|  |  | \# Includes 427 members whose service was not provided. |  |  |  |  |  |  |  |
| 01/01/10 | - 12/31/10 | Average Monthly Benefit | \$ 125 | \$ 113 | \$ 113 | \$ 114 | \$ 129 | \$ 144 | \$ 141 |
|  |  | Final Average Pay | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
|  |  | Number of Active Retirees | 436 | 4 | 4 | 18 | 109 | 141 | 161 |
|  |  | \# Includes 432 members whose service was not provided. |  |  |  |  |  |  |  |
| 01/01/11 | - 12/31/11 | Average Monthly Benefit | \$ 126 | \$ 113 | \$ 113 | \$ 115 | \$ 131 | \$ 146 | \$ 142 |
|  |  | Final Average Pay | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
|  |  | Number of Active Retirees | 456 | 4 | 4 | 17 | 105 | 139 | 154 |
|  |  | \# Includes 452 members wh | service w | s not prov |  |  |  |  |  |

LOPFI

|  | $\begin{aligned} & \stackrel{\circ}{-} \\ & \stackrel{\infty}{-} \end{aligned}$ | ત̀ ત̀ $\approx$ | $\begin{aligned} & \text { ô } \\ & \text { in } \end{aligned}$ $\underset{\sim}{\mathrm{I}}$ | $\begin{aligned} & \text { ते } \\ & \text { N} \\ & \text { ñ } \end{aligned}$ |  | $\begin{aligned} & \stackrel{\circ}{\circ} \\ & \stackrel{y}{\circ} \\ & \stackrel{y}{4} \end{aligned}$ | $\begin{aligned} & \stackrel{\circ}{\mathrm{i}} \\ & \stackrel{\rightharpoonup}{0} \\ & \stackrel{\rightharpoonup}{0} \end{aligned}$ | $\begin{aligned} & \stackrel{\circ}{\infty} \\ & \stackrel{\infty}{\infty} \\ & \stackrel{\infty}{\infty} \end{aligned}$ | $\stackrel{\text { å }}{\stackrel{1}{2}}$ $\stackrel{\infty}{\mathrm{N}}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\frac{\stackrel{\circ}{i}}{i}$ $\stackrel{\rightharpoonup}{0}$ | ત̀ ત̀ ò | $\stackrel{\text { ì }}{\text { ì }}$ $\exists$ | $\begin{aligned} & \stackrel{\circ}{\stackrel{\circ}{\mathrm{i}}} \\ & \stackrel{\infty}{=} \end{aligned}$ | $\begin{aligned} & \text { oे } \\ & \text { ì } \\ & \stackrel{\rightharpoonup}{\mathrm{N}} \end{aligned}$ | $\begin{aligned} & \stackrel{0}{0} \\ & \stackrel{m}{7} \end{aligned}$ | $\begin{aligned} & \text { へे } \\ & \text { Ǹ } \\ & \text { oे } \end{aligned}$ | $\begin{aligned} & \stackrel{\rightharpoonup}{\sim} \\ & \stackrel{\sim}{n} \\ & \stackrel{\infty}{\sim} \end{aligned}$ | $\begin{aligned} & \stackrel{\circ}{\infty} \\ & \text { ì } \\ & \stackrel{\rightharpoonup}{-} \end{aligned}$ |  |
|  | $\stackrel{\circ}{i}$ $\underset{\sim}{n}$ | ત̀ ત̀ ヨ | $\begin{aligned} & \text { ô } \\ & \text { ri } \\ & \text { g } \end{aligned}$ | $\begin{aligned} & \stackrel{\circ}{\stackrel{\circ}{\mathrm{i}}} \\ & \stackrel{\infty}{=} \end{aligned}$ | $\begin{gathered} \text { oे } \\ \text { in } \\ \stackrel{\rightharpoonup}{2} \end{gathered}$ | $\begin{aligned} & \stackrel{0}{0} \\ & \infty \\ & \stackrel{\text { H/ }}{ } \end{aligned}$ | $\begin{aligned} & \stackrel{0}{\mathrm{i}} \\ & \stackrel{y}{n} \\ & \underset{\sim}{n} \end{aligned}$ | $\begin{aligned} & \stackrel{\circ}{\sim} \\ & \stackrel{\sim}{\infty} \\ & \stackrel{\infty}{\infty} \end{aligned}$ | $\begin{aligned} & \text { bi } \\ & \text { ì } \\ & \text { సे } \end{aligned}$ | － |
|  | $\stackrel{\circ}{\mathrm{N}}$ ì $\cdots$ | ત̀ $\stackrel{m}{=}$ | $\stackrel{\Delta}{i}$ $\stackrel{\infty}{ \pm}$ | $\begin{aligned} & \stackrel{\circ}{\stackrel{N}{i}} \\ & \stackrel{y}{n} \\ & = \end{aligned}$ | $\begin{aligned} & \frac{0}{0} \\ & \frac{0}{m} \end{aligned}$ | $\begin{aligned} & \stackrel{\circ}{\infty} \\ & \infty \\ & \stackrel{\infty}{\circ} \end{aligned}$ | $\stackrel{\text { Nे}}{\stackrel{0}{4}}$ $\cong$ | $\begin{aligned} & \stackrel{0}{0} \\ & \stackrel{1}{\circ} \\ & \underset{\sim}{\infty} \end{aligned}$ | $\begin{aligned} & \stackrel{i}{n} \\ & \text { ì } \\ & \stackrel{y}{c} \\ & \stackrel{y}{2} \end{aligned}$ | － |
|  | $\stackrel{\text { c̀ }}{\text { ì }}$ $\cdots$ | ત̀ ત̀ $\mathfrak{n}$ | $\begin{aligned} & \text { oे } \\ & \text { in } \\ & \stackrel{\infty}{n} \end{aligned}$ |  | $\begin{aligned} & \text { oे } \\ & \text { in } \\ & \underset{\sim}{\sim} \end{aligned}$ |  | $\begin{aligned} & \stackrel{\circ}{\mathrm{i}} \\ & \stackrel{y}{\mathrm{i}} \\ & \stackrel{\text { N }}{2} \end{aligned}$ | $\begin{aligned} & \text { ले } \\ & \text { ले } \\ & \text { N } \end{aligned}$ | $\begin{aligned} & \text { ì } \\ & \text { ì } \\ & \text { N } \end{aligned}$ | － |
|  | $\begin{aligned} & \text { 른 } \\ & \text { ㄹ } \end{aligned}$ | $\frac{\Delta}{\mathrm{i}}$ $\exists$ | $\begin{aligned} & \text { No } \\ & \text { ì } \\ & \underset{\sim}{n} \end{aligned}$ | $\begin{aligned} & \stackrel{0}{\mathrm{~N}} \\ & \underset{\mathrm{~N}}{1} \end{aligned}$ | $\begin{gathered} \text { oे } \\ \text { ín } \\ \text { ín } \end{gathered}$ | $\begin{aligned} & \text { in } \\ & \text { o } \\ & \stackrel{0}{+} \\ & \stackrel{y}{*} \end{aligned}$ | $\begin{gathered} \stackrel{\circ}{\mathrm{i}} \\ \stackrel{\rightharpoonup}{\mathrm{~N}} \end{gathered}$ | $\begin{aligned} & \stackrel{\rightharpoonup}{\circ} \\ & \stackrel{\rightharpoonup}{\infty} \\ & \stackrel{\infty}{\infty} \end{aligned}$ | $\begin{gathered} \stackrel{\rightharpoonup}{\mathrm{N}} \\ \text { Ǹ } \end{gathered}$ | － |
|  | $\begin{aligned} & \stackrel{0}{i} \\ & \text { i } \\ & \text { O} \end{aligned}$ | $\stackrel{\circ}{i}$ $\exists$ | $\begin{aligned} & \text { ò } \\ & \text { ì } \\ & \stackrel{\rightharpoonup}{n} \\ & \text { in } \end{aligned}$ | $\begin{aligned} & \stackrel{\circ}{\stackrel{\circ}{i}} \\ & \stackrel{y}{n} \end{aligned}$ | $\begin{aligned} & \text { bo } \\ & \text { in } \\ & \frac{0}{m} \end{aligned}$ | $\begin{aligned} & \stackrel{\circ}{0} \\ & \infty \\ & \stackrel{\circ}{+} \\ & \stackrel{\circ}{+} \end{aligned}$ | $\begin{aligned} & \stackrel{\circ}{\mathrm{N}} \\ & \stackrel{y}{n} \\ & \text { N} \end{aligned}$ | $\begin{aligned} & \stackrel{\circ}{\mathrm{n}} \\ & \mathrm{~N} \end{aligned}$ | $\begin{aligned} & \stackrel{\circ}{\mathrm{i}} \\ & \stackrel{\rightharpoonup}{n} \end{aligned}$ | － |
|  | $\begin{aligned} & \text { ò } \\ & \text { in } \end{aligned}$ $\stackrel{\infty}{\exists}$ | $\begin{aligned} & \text { ồ } \\ & \text { in } \end{aligned}$ 긱 | $\begin{aligned} & \text { ò } \\ & \text { í } \end{aligned}$ $\underset{-}{0}$ | $\underset{寸}{\Im}$ | $\begin{aligned} & \stackrel{0}{0} \\ & \text { in } \\ & \underset{\sim}{4} \end{aligned}$ | $\begin{aligned} & \stackrel{\circ}{\circ} \\ & \text { か } \\ & \underset{\sim}{\alpha} \end{aligned}$ | $\begin{gathered} \stackrel{\circ}{\mathrm{N}} \\ \stackrel{+}{\mathrm{N}} \\ \hline \end{gathered}$ | $\begin{aligned} & \text { ô } \\ & \text { in } \\ & \stackrel{0}{0} \end{aligned}$ | $\stackrel{\stackrel{\circ}{\circ}}{\stackrel{y}{c}}$ <br> $q$ | － |
|  | $\begin{aligned} & \stackrel{\circ}{9} \\ & - \\ & \exists \end{aligned}$ | $\begin{aligned} & \text { ồ } \\ & \text { in } \end{aligned}$ $\exists$ | $\begin{aligned} & \text { ô } \\ & \text { io } \end{aligned}$ $\hat{n}$ | $\begin{aligned} & \text { in } \\ & \text { ì } \\ & \underset{寸}{\text { G }} \end{aligned}$ | $\begin{aligned} & \frac{0}{6} \\ & \stackrel{0}{0} \end{aligned}$ | $\begin{aligned} & \stackrel{\circ}{\circ} \\ & \underset{\infty}{2} \\ & \stackrel{y}{\circ} \end{aligned}$ | $\begin{gathered} \stackrel{\circ}{\mathrm{N}} \\ \stackrel{y}{\mathrm{~N}} \\ \stackrel{\text { N }}{2} \end{gathered}$ | $\begin{aligned} & \text { oे } \\ & \text { in } \\ & \stackrel{\infty}{\infty} \end{aligned}$ | $\begin{aligned} & \stackrel{\circ}{\mathrm{i}} \\ & \stackrel{y}{\mathrm{~N}} \end{aligned}$ |  |
|  |  | $\frac{\partial}{i}$ $\underset{\sim}{\underset{\sim}{2}}$ | $\begin{aligned} & \stackrel{\text { N}}{\substack{1}} \\ & \stackrel{\rightharpoonup}{\mathrm{i}} \end{aligned}$ | $\stackrel{\stackrel{\rightharpoonup}{+}}{\underset{i}{2}}$ $\underset{\sim}{10}$ | $\begin{gathered} \stackrel{\circ}{\text { çi }} \\ \stackrel{N}{N} \end{gathered}$ | $\begin{aligned} & \stackrel{\circ}{\infty} \\ & \stackrel{\infty}{\infty} \end{aligned}$ | $\begin{aligned} & \stackrel{\ominus}{\text { on }} \\ & \stackrel{\sim}{\mathrm{i}} \\ & \underset{\sim}{\infty} \end{aligned}$ | $\begin{aligned} & \text { oे } \\ & \stackrel{0}{\infty} \\ & \underset{\sim}{\infty} \end{aligned}$ | $\begin{aligned} & \stackrel{\circ}{+} \\ & \underset{\sim}{\top} \\ & \underset{\sim}{1} \end{aligned}$ | － |
|  | 0 0 0 0 0 0 0 0 0 0 0 0 0 |  | 0 0 0 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0.0 0 0 0 |  | O 0 0 0 0 0 0 0 0 0 0 |  |  | $\begin{aligned} & 0.0 \\ & \hdashline 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ |  |


[^0]:    Arkansas Local Police and Fire Retirement System

[^1]:    * Per Statements of Plan Net Assets on Page 24

[^2]:    * Includes DROP participants, if any.

[^3]:    * After changes in actuarial valuation assumptions
    \# After legislated benefit increases.

[^4]:    1 With Section 24-10-405(h)(1) cap on rate increases as a result of plan experience.
    2 Without Section 24-10-405(h)(1) cap on rate increases as a result of plan experience.

[^5]:    + After legislated benefit increases and board policy changes

[^6]:    *Includes unfunded liability associated with new plans added during year.

[^7]:    \# Option Selected at Retirement
    Normal - normal form of annuity for 5
    $\quad$ years certain and life thereafter
    Opt. $A-75 \%$ survivor annuity
    Opt. $B-50 \%$ survivor annuity
    Opt. $C$ - annuity for 10 years

