P: 954.527.1616 | F: 954.525.0083 | www.grsconsulting.com

April 26, 2024

Board of Trustees
City of Okeechobee Firefighters' Retirement System
c/o Mr. Scott Baur
Resource Centers, LLC
4360 Northlake Blvd
Suite 206
Palm Beach Gardens, FL 33410

Re: City of Okeechobee Firefighters' Retirement System
October 1, 2023 Actuarial Valuation Report

Dear Scott:

As requested, we are pleased to enclose twelve (12) copies of the October 1, 2023 Actuarial Valuation Report for the City of Okeechobee Firefighters' Retirement System.

Upon Board approval of the Actuarial Valuation Report, we will upload an electronic copy of the Actuarial Valuation Report along with the required disclosure information to the State portal as required by the State.

We appreciate the opportunity to have performed this important assignment on behalf of the Board and look forward to presenting the key results at the May 6th Board Meeting.

If you should have any questions concerning the above, please do not hesitate to contact us.

Sincerest regards,
Gabriel, Roeder, Smith & Company

Michelle Jones

Shelly L. Jones, ASA, MAAA, EA
Consultant and Actuary

Jennifer Borregard

Jennifer M. Borregard, MAAA, EA
Consultant and Actuary

Enclosures

CITY OF OKEECHOBEE FIREFIGHTERS' RETIREMENT SYSTEM

ACTUARIAL VALUATION AS OF OCTOBER 1, 2023

This Valuation Determines the Annual Contribution for the System Year October 1, 2023 through September 30, 2024 with City contribution to be Paid in Fiscal Year October 1, 2024 through September 30, 2025

April 26, 2024

CITY OF OKEECHOBEE FIREFIGHTERS' RETIREMENT SYSTEM

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April 26, 2024

City of Okeechobee
Firefighters' Retirement System

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City of Okeechobee
Firefighters' Retirement System

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April 26, 2024

Board of Trustees
City of Okeechobee Firefighters' Retirement System
c/o Mr. Scott Baur
Resource Centers, LLC
4360 Northlake Blvd., Suite 206
Palm Beach Gardens, FL 33410

Dear Board Members:

We are pleased to present our October 1, 2023 Actuarial Valuation report for the City of Okeechobee Firefighters' Retirement System (System). The purpose of our report is to indicate appropriate contribution levels, comment on the actuarial stability of the System and to satisfy State requirements. The Pension Board has retained Gabriel, Roeder, Smith & Company (GRS) to prepare an annual actuarial valuation under Section 3-4 of the System.

Our Report consists of this cover letter, executive summary, risk assessment and low-default-risk obligation measure followed by detailed Tables I through XVI, the State Required Exhibit on Table XVII and definitions of technical terms on Table XVIII. The Tables contain basic System cost figures plus significant details on the benefits, liabilities and experience of the System. We suggest you thoroughly review the report at your convenience and contact us with any questions that may arise.

The findings in this report are based on data or asset information through September 30, 2023. The valuation was based upon information furnished by the Board concerning System benefit, plan provision and active members, terminated members, retirees and beneficiaries. We received financial information concerning System assets as of September 30, 2023 from the Board.

We do not audit the Member census data and asset information provided to us; however, we perform certain reasonableness checks. The Board of Trustees is responsible for the accuracy of the data.

In our opinion the benefits provided for under the current System will be sufficiently funded through the payment of the amount as indicated in this and future actuarial valuation reports. This valuation assumed the continuing ability of the plan sponsor to make the contributions necessary to fund this plan. A determination regarding whether or not the plan sponsor is actually able to do so is outside our scope of expertise and was not performed. We will continue to update you on the future payment requirements for the System through our actuarial reports. These reports will also continue to monitor the future experience of the System.

The actuarial assumptions used in this actuarial valuation are as adopted by the Board of Trustees. The mortality assumptions are prescribed by statute. Each assumption represents an estimate of future

System experience. All actuarial assumptions used in this report are reasonable for the purposes of this valuation. The combined effect of the assumptions is expected to have no significant bias (i.e. not significantly optimistic or pessimistic). All actuarial assumptions and methods used in the valuation follow the guidance in the applicable Actuarial Standards of Practice. Additional information about the actuarial assumptions is included in section XI of this report.

If all actuarial assumptions are met and if all future minimum required contributions are paid, System assets will be sufficient to pay all System benefits, benefits and future contributions are expected to remain relatively stable. System minimum required contributions are determined in compliance with the requirements of the Florida Protection of Public Employee Retirement Benefits Act and Firefighters' Retirement Chapter 175 with normal cost determined as a level dollar amount (expected administrative expenses) and a level dollar amortization payment of the unfunded actuarial accrued liability (UAAL) using an initial amortization period of 10 years. A 10-year rolling amortization period is being used as long as the UAAL is negative.

The UAAL may not be appropriate for assessing the sufficiency of System assets to meet the estimated cost of settling benefit obligations but may be appropriate for assessing the need for or the amount of future contributions.

The GASB Net Pension Liability and System Fiduciary Net Position as a Percentage of Total Pension Liability may not be appropriate for assessing the sufficiency of System assets to meet the estimated cost of settling benefit obligations but may be appropriate for assessing the need for or the amount of future contributions.

This report should not be relied on for any purpose other than the purpose described in the primary communication. Determinations of the financial results associated with the benefits described in this report in a manner other than the intended purpose may produce significantly different results.

This report was prepared using our proprietary valuation model and related software which in our professional judgment has the capability to provide results that are consistent with the purposes of the valuation and has no material limitations or known weaknesses. We performed tests to ensure that the model reasonably represents that which is intended to be modeled.

This report has been prepared by actuaries who have substantial experience valuing public employee retirement plans. To the best of our knowledge the information contained in this report is accurate and fairly presents the actuarial position of the System as of the valuation date. All calculations have been made in conformity with generally accepted actuarial principles and practices, with the Actuarial Standards of Practice issued by the Actuarial Standards Board and with applicable statutes.

This report was prepared at the request of the Board and is intended for use by the Board and those designated or approved by the Board. This report may be provided to parties other than the Board only in its entirety and only with the permission of the Board. GRS is not responsible for unauthorized use of this report.

The signing actuaries are independent of the System sponsor.

The undersigned are Members of the American Academy of Actuaries and meet the qualification standards of the American Academy of Actuaries to render the actuarial opinions contained in this report. We are available to respond to any questions with regards to matters covered in this report.

Sincerely,
Gabriel, Roeder, Smith & Company

Michelle Jones

Shelly L. Jones, A.S.A., M.A.A.A., E.A., F.C.A.
Consultant and Actuary

Jennifer Borregard

Jennifer M. Borregard, M.A.A.A., E.A., F.C.A.
Consultant and Actuary

EXECUTIVE SUMMARY

Retirement System Costs

Our Actuarial Valuation develops the required minimum Retirement System payment under the Florida Protection of Public Employee Retirement Benefits Act and Firefighters' Retirement Chapter 175. The minimum payment consists of payment of annual normal costs including expenses and amortization of the components of the unfunded actuarial accrued liability over various periods as prescribed by law. The minimum payment for **System Year ending September 30, 2024** is **$67,934**.

This total cost is to be met by Member, City and State contributions. We anticipate Members will contribute **$0**. The resulting minimum required **Employer (City and State) contribution to be paid in fiscal year ending September 30, 2025** is **$67,934**. State money, if available, is allocated based upon mutual consent to follow the default provisions of F.S., 175.351.

Additionally, the System has a credit balance in the amount of $31,647 as of September 30, 2023 which the City can use to meet future contribution requirements. There is $761,191 held in the Stipend Reserve fund as of September 30, 2023.

Changes in Actuarial Assumptions, Methods and System Benefits

System provisions remain unchanged from our October 1, 2022 Actuarial Impact Statement. System benefits are summarized on Table IX.

The actuarial assumptions remain unchanged from our October 1, 2022 Actuarial Impact Statement. The actuarial assumptions and methods are outlined on Table X.

Comparison of October 1, 2022 and October 1, 2023 Valuation Results

Table II of our report provides information of a comparative nature. The left columns of the Table indicate the costs as calculated for the October 1, 2022 Actuarial Valuation. The center columns of the Table indicate the costs as calculated for the October 1, 2022 Actuarial Impact Statement. The right columns indicate the costs as calculated for October 1, 2023.

Comparing the center and right columns of Table II shows the effect of System experience during the year. The number of active participants and covered payroll remained zero. Total System membership remained the same. Total normal cost (expected administrative expenses) increased as a dollar amount. The net Employer (City and State) minimum funding requirement also increased as a dollar amount.

Fund assets equal the value of vested accrued benefits, resulting in a Vested Benefit Security Ratio (VBSR) of 100.0%. This remained level from the October 1, 2022 Actuarial Impact Statement. The VBSR is measured on a market value of assets basis net of reserves.

System Experience

Table VII indicates the System experienced an actuarial gain of $153,999. This suggests actual overall System experience was more favorable than expected.

A member retired earlier than anticipated causing an offsetting actuarial liability loss.

The mortality experience was lower than assumed causing an offsetting actuarial liability loss.

The market value investment return of 12.9% was more than the assumed 6.0% investment return. Investment return was a source of actuarial gain. Three, five and ten-year average market investment returns are 2.4%, 4.3% and 5.7%, respectively.

Conclusion

There are no active participants in the System. We recommend that the Board continue to monitor the asset allocation to be sure it is appropriate for a closed and mature plan, and review the investment return assumption with the investment consultant to be sure it is a reasonable assumption for this plan and fund.

The remainder of this Report includes detailed actuarial valuation results, information relating to the pension fund, financial accounting information, miscellaneous employee data and a summary of plan provisions and actuarial assumptions and methods.

RISKS ASSOCIATED WITH MEASURING THE ACCRUED LIABILITY AND ACTUARIALLY DETERMINED CONTRIBUTION

The determination of the accrued liability and the actuarially determined contribution requires the use of assumptions regarding future economic and demographic experience. Risk measures, as illustrated in this report, are intended to aid in the understanding of the effects of future experience differing from the assumptions used in the course of the actuarial valuation. Risk measures may also help with illustrating the potential volatility in the accrued liability and the actuarially determined contribution that result from the differences between actual experience and the actuarial assumptions.

Future actuarial measurements may differ significantly from the current measurements presented in this report due to such factors as the following: System experience differing from that anticipated by the economic or demographic assumptions; changes in economic or demographic assumptions due to changing conditions; 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 System's funded status); and changes in System provisions or applicable law. The scope of an actuarial valuation does not include an analysis of the potential range of such future measurements.

Examples of risk that may reasonably be anticipated to significantly affect the System's future financial condition include:

1. <u>Investment risk</u> – actual investment returns may differ from expected returns;
2. <u>Asset / Liability mismatch</u> – changes in asset values may not match changes in liabilities, thereby altering the gap between the accrued liability and assets and consequently altering the funded status and the actuarially determined contribution requirements;
3. <u>Contribution risk</u> – actual contributions may differ from expected future contributions. For example, actual contributions may not be made in accordance with the System's funding policy or material changes may occur in the anticipated number of covered employees, covered payroll or other relevant contribution base;
4. <u>Salary and Payroll risk</u> – actual salaries and total payroll may differ from expected, resulting in actual future accrued liability and the actuarially determined contributions differing from expected;
5. <u>Longevity risk</u> – members may live longer or shorter than expected and receive pensions for a period of time other than assumed;
6. <u>Other demographic risks</u> – members may terminate, retire or become disabled at times or with benefits other than assumed resulting in actual future accrued liability and the actuarially determined contributions differing from expected.

The effects of certain trends in experience can generally be anticipated. For example if the investment return since the most recent actuarial valuation is less (or more) than the assumed rate, the actuarially determined contribution can be expected to increase (or decrease). Likewise if longevity is improving (or worsening), increases (or decreases) in the actuarially determined contribution can be anticipated.

The actuarially determined contribution rate shown on page four may be considered as a minimum contribution rate that complies with the Board's funding policy. The timely receipt of the actuarially determined contributions is critical to support the financial health of the System. Users of this report should be aware that contributions made at the actuarially determined rate do not necessarily guarantee benefit security.

System Maturity Measures

Risks facing a pension plan evolve over time. A young plan with virtually no investments and paying few benefits may experience little investment risk. An older plan with a large number of members in pay status and a significant trust may be much more exposed to investment risk. Generally accepted plan maturity measures include the following:

	2022	2023
Ratio of the market value of assets to payroll	N/A	N/A
Ratio of actuarial accrued liability to payroll	N/A	N/A
Ratio of actives to retirees and beneficiaries	0.00	0.00
Ratio of net cash flow to market value of assets	-9.8%	-5.1%
Duration of the actuarial accrued liability	13.02	12.79

Ratio of Market Value of Assets to Payroll

The relationship between assets and payroll is a useful indicator of the potential volatility of the actuarially determined contributions. For example, if the market value of assets is 2.0 times the payroll, a return on assets 5% different than assumed would equal 10% of payroll. A higher (lower) or increasing (decreasing) level of this maturity measure generally indicates a higher (lower) or increasing (decreasing) volatility in the actuarially determined contributions as a percentage of payroll.

Ratio of Actuarial Accrued Liability to Payroll

The relationship between actuarial accrued liability and payroll is a useful indicator of the potential volatility of the actuarially determined contributions for a fully funded plan. A funding policy that targets a funded ratio of 100% is expected to result in the ratio of assets to payroll and the ratio of liability to payroll converging over time.

The ratio of liability to payroll may also be used as a measure of sensitivity of the liability itself. For example, if the actuarial accrued liability is 2.5 times payroll, a change in liability 2% other than assumed would equal 5% of payroll. A higher (lower) or increasing (decreasing) level of this maturity measure generally indicates a higher (lower) or increasing (decreasing) volatility in liability (and also the actuarially determined contributions) as a percentage of payroll.

Ratio of Actives to Retirees and Beneficiaries

A young plan with many active members and few retirees will have a high ratio of active to retirees. A mature open plan may have close to the same number of actives to retirees resulting in a ratio near 1.0. A super-mature or closed plan may have significantly more retirees than actives resulting in a ratio below 1.0.

Ratio of Net Cash Flow to Market Value of Assets

A positive net cash flow means contributions exceed benefits and expenses. A negative cash flow means existing funds are being used to make payments. A certain amount of negative net cash flow is generally expected to occur when benefits are prefunded through a qualified trust. Large negative net cash flows as a percent of assets may indicate a super-mature plan or a need for additional contributions.

Duration of Actuarial Accrued Liability

The duration of the actuarial accrued liability may be used to approximate the sensitivity to a 1% change in the assumed rate of return. For example, a duration of 10 indicates the liability would increase approximately 10% if the assumed rate of return were lowered 1%.

Additional Risk Assessment

Additional risk assessment is outside the scope of the annual actuarial valuation. Additional assessment may include scenario tests, sensitivity tests, stochastic modeling, stress tests and a comparison of the present value of accrued benefits at low-risk discount rates with the actuarial accrued liability.

LOW-DEFAULT-RISK OBLIGATION MEASURE

Actuarial Standards of Practice No. 4 (ASOP No. 4) was revised and reissued in December 2021 by the Actuarial Standards Board (ASB). It includes a new calculation called a low-default-risk obligation measure (LDROM) to be prepared and issued annually for defined benefit pension plans. The transmittal memorandum for ASOP No. 4 includes the following explanation:

"The ASB believes that the calculation and disclosure of this measure provides appropriate, useful information for the intended user regarding the funded status of a pension plan. The calculation and disclosure of this additional measure is not intended to suggest that this is the "right" liability measure for a pension plan. However, the ASB does believe that this additional disclosure provides a more complete assessment of a plan's funded status and provides additional information regarding the security of benefits that members have earned as of the measurement date."

The following information has been prepared in compliance with this new requirement. Unless otherwise noted, the measurement date, actuarial cost methods, and assumptions used are the same as for the funding valuation covered in this actuarial valuation report.

A. Low-default-risk Obligation Measure of benefits earned as of the measurement date: <u>$4,157,341</u> (compared to AAL of $3,514,873 developed using funding assumptions.)

B. Discount rate used to calculation the LDROM: <u>4.63% based on Fidelity's "20-Year Municipal GO AA Index" as of September 29, 2023</u>

C. Other significant assumptions that differ from those used for the funding valuation: <u>None</u>

D. Actuarial cost method used to calculate the LDROM: <u>Entry Age Normal</u>

E. Valuation procedures to value any significant plan provisions that are difficult to measure using traditional valuation procedures, and that differ from the procedures used in the funding valuation: <u>None</u>

F. Commentary to help the intended user understand the significance of the LDROM with respect to the funded status of the plan, plan contributions, and the security of participant benefits: <u>The LDROM is a market-based measurement of the pension obligation. It estimates the amount the plan would need to invest in low risk securities to provide the benefits with greater certainty. This measure may not be appropriate for assessing the need for or amount of future contributions. This measure may not be appropriate for assessing the sufficiency of plan assets to cover the estimated cost of settling the plan's benefit obligation</u>.

The difference between the two measures (Valuation and LDROM) is one illustration of the savings the sponsor anticipates by taking on the risk in a diversified portfolio.

Summary of Retirement System Costs as of October 1, 2023

		Cost Data
A.	Participant Data Summary (Table III)	
1.	Active employees	0
2.	Terminated vested	4
3.	Receiving benefits (including DROPs)	9
4.	Annual payroll of active employees	$ 0
B.	Total Normal Costs	
1.	Age retirement benefits	$ 0
2.	Termination benefits	0
3.	Death benefits	0
4.	Disability benefits	0
5.	Estimated expenses	62,325
6.	Total annual normal costs	$ 62,325
C.	Total Actuarial Accrued Liability	
1.	Age retirement benefits active employees	$ 0
2.	Termination benefits active employees	0
3.	Death benefits active employees	0
4.	Disability benefits active employees	0
5.	Retired or terminated vested participants receiving benefits including DROPs	2,290,227
6.	Terminated vested participants entitled to future benefits	572,938
7.	Deceased participants whose beneficiaries are receiving benefits	282,400
8.	Disabled participants receiving benefits	360,079
9.	Miscellaneous liability (refunds in progress)	7,962
10.	Share Plan liability	1,267
11.	Total actuarial accrued liability	$ 3,514,873
D.	Net Smoothed (Market) Value of Assets (Table IV)	$ 3,514,873
E.	Unfunded Actuarial Accrued Liability (C - D)	$ 0

Summary of Retirement System Costs as of October 1, 2023

		Cost Data
F.	Minimum Required Contribution	
	1. Total normal cost	$ 62,325
	2. Amortization of unfunded liability	0
	3. Interest adjustment	5,609
	4. Total minimum required contribution	$ 67,934
G.	Minimum Required Contribution (F.S., 112.66 (13)) (Greater of F.1. and F.4.)	$ 67,934
H.	Contribution Sources	
	1. Expected City / State	$ 67,934
	2. Expected Member	0
	3. Total required contribution	$ 67,934
I.	Actuarial Gain / (Loss) (Table VII)	$ 153,999
J.	Actuarial Present Value of Vested Accrued Benefits	
	1. Retired, terminated vested, beneficiaries and disabled receiving benefits including DROPs	$ 2,932,706
	2. Terminated vested participants entitled to future benefits and miscellaneous	580,900
	3. Active participants entitled to future benefits	0
	4. Share Plan liability	1,267
	5. Total actuarial present value of vested accrued benefits	$ 3,514,873
K.	Unfunded Actuarial Present Value of Vested Accrued Benefits (J. - D., not less than zero)	$ 0
L.	Vested Benefit Security Ratio (D. ÷ J.)	100.0%

Comparison of Cost Data of October 1, 2022 and October 1, 2023 Valuations

	Actuarial Valuation October 1, 2022 Cost Data		Actuarial Impact Statement October 1, 2022 Cost Data		October 1, 2023 Cost Data	
A. Participants						
1. Active employees		0		0		0
2. Terminated vested		5		5		4
3. Receiving benefits (including DROPs)		8		8		9
4. Annual payroll of active employees	$	0	$	0	$	0
B. Present Value of Future Benefits	$	3,446,557	$	3,446,557	$	3,514,873
C. Total Normal Costs (including expenses)	$	44,389	$	44,389	$	62,325
D. Total Actuarial Accrued Liability (EAN)	$	3,446,557	$	3,446,557	$	3,514,873
E. Net Smoothed Value of Assets	$	4,673,038	$	3,446,557	$	3,514,873
F. Net Market Value of Assets	$	4,007,139	$	3,446,557	$	3,514,873
G. Unfunded Actuarial Accrued Liability	$	(1,226,481)	$	0	$	0
H. Net City / State Cost	$	44,389	$	48,384	$	67,934
I. Actuarial Gain / (Loss)	$	95,732	$	95,732	$	153,999
J. Unfunded Actuarial Present Value of Vested Accrued Benefits	$	0	$	0	$	0
K. Vested Benefit Security Ratio		116.3%		100.0%		100.0%

Characteristics of Participants in Actuarial Valuation as of October 1, 2023

A. Active System Participants Summary

1.	Active participants fully vested		0
2.	Active participants partially vested		0
3.	Active participants non-vested		0
4.	Total active participants		0
5.	Annual rate of pay of active participants	$	0

B. Retired and Terminated Vested Participant Summary

1.	Retired or terminated vested participants receiving benefits including DROP participants	7
2.	Terminated vested participants entitled to future benefits	4
3.	Deceased participants whose beneficiaries are receiving benefits	1
4.	Disabled participants receiving benefits	1

C. Projected Annual Retirement Benefits

1.	Retired or terminated vested receiving benefits including DROP participants	$	180,937
2.	Terminated vested entitled to future benefits		80,737
3.	Beneficiaries of deceased participants receiving benefits		31,383
4.	Disabled participants receiving benefits		35,693

Table IV

Statement of System Assets as of October 1, 2023

		Market Value
A.	Cash and cash equivalents	$ 60,252
B.	General Investments	
	1. U.S. Government obligations	0
	2. Corporate bonds	0
	3. Mutual Funds - Fixed Income	1,663,786
	4. Mutual Funds - Equity	2,523,007
	5. Common stock	0
	6. Accrued income	0
C.	Receivables	
	1. Employee contribution	0
	2. State contribution	77,569
	3. City Contribution	0
	4. Prepaid insurance	0
D.	Payables	
	1. Investment expense	6,000
	2. Administrative expense	10,903
E.	Total System Assets (A + B + C - D)	4,307,711
F.	Reserves	
	1. Credit Balance	31,647
	2. Stipend Reserve Fund	761,191
G.	Net System Assets (E - F)	$ 3,514,873

Reconciliation of System Assets

A. Total Market Value of Assets as of October 1, 2022			$ 4,007,139
1. Audit Adjustment			2
2. Market Value as of October 1, 2022			$ 4,007,141
B. Receipts During Period			
1. Contributions			
a. Employee	$ 0		
b. City	13,566	*	
c. State	77,569		
d. Total	$ 91,135		
2. Investment Income			
a. Interest, dividends and other	$ 138,594		
b. Investment expenses	(22,750)		
c. Net investment income	$ 115,844		
3. Realized gains / (losses)	64,531		
4. Unrealized gains / (losses)	323,253		
5. Total receipts during period			$ 594,763
C. Disbursements During Period			
1. Pension payments	$ 231,412		
2. DROP distributions	0		
3. Share Plan distributions	456		
4. Contribution refunds	0		
5. Administrative expenses	62,325		
6. Total disbursements during period			$ 294,193
D. Total Market Value of Assets as of September 30, 2023			$ 4,307,711
E. Reserves as of September 30, 2023			
1. Credit Balance			$ 31,647
2. Stipend Reserve Fund			$ 761,191
F. Net Market Value of Assets as of September 30, 2023 (D - E)			$ 3,514,873

* Includes $1,657 of interest due on prior deficiency

Table V
(Cont'd)

Reconciliation of System Assets

G. Share Plan

1. Balance as of October 1, 2022	$	1,723
2. Adjustment		0
3. Increase from State funds received		0
4. Investment credits		0
5. Administrative fees		0
6. Distributions		(456)
7. Balance as of September 30, 2023	$	1,267

H. Reconciliation of Stipend Reserve Fund

1. Stipend Reserve Fund as of October 1, 2022	$	560,582
2. Transfer into Stipend Reserve Fund		200,609
3. Benefit payments		0
4. Transfer from Stipend Reserve Fund		0
5. Stipend Reserve Fund as of September 30, 2023	$	761,191

Funding Standard Account for
System Year Ended September 30, 2023

A. Charges to the Funding Standard Account

1. Prior year funding deficiency	$	11,909
2. City / State normal cost		45,922
3. Total employer charges	$	57,831

B. Credits to the Funding Standard Account

1. Prior year credit balance	$	0
2. State contribution		77,569
3. City contribution		11,909
4. Total credits	$	89,478

C. Credit Balance / (Funding Deficiency)

(B.4. - A.3.)	$	31,647

Actuarial Gain / (Loss) for System Year Ended September 30, 2023 *

A. Derivation of Actuarial Gain / (Loss)

1. City and State net normal cost previous impact statement	$	44,389
2. Unfunded actuarial accrued liability previous impact statement		(558,861)
3. Net City and State contributions previous year		59,488
4. Interest on:		
(a) City and State net normal cost	$	2,663
(b) Unfunded actuarial accrued liability		(33,532)
(c) City and State contributions		1,096
(d) Net total: (a) + (b) - (c)	$	(31,965)
5. Expected unfunded actuarial accrued liability current year: (1. + 2. - 3. + 4.)	$	(605,925)
6. Actual unfunded actuarial accrued liability current year		(759,924)
7. Actuarial gain / (loss): (5. - 6.)	$	153,999

B. Approximate Portion of Gain / (Loss) due to Investments

1. Net market value of assets previous year	$	4,005,418
2. Net contributions during period		59,488
3. Benefits and administrative expenses during period		293,737
4. Expected net appreciation during period		233,298
5. Expected net smoothed value of assets current year: (1. + 2. - 3. + 4.)	$	4,004,467
6. Actual net market value of assets current year	$	4,274,797
7. Approximate gain / (loss) due to investments: (6. - 5.)	$	270,330

C. Approximate Portion of Gain / (Loss) due to Liabilities: A. - B. $ (116,331)

* net of Share Plan

Table VIII

Accounting Disclosure Exhibit

	Actuarial Valuation 10/01/2022	Actuarial Impact Statement 10/01/2022	10/01/2023
I. Number of System Members			
a. Receiving benefits including DROPs	8	8	9
b. Terminated due deferred benefits	5	5	4
c. Active System members	0	0	0
d. Total	13	13	13

II. Financial Accounting Standards Board Allocation
As of October 1, 2023

	Actuarial Valuation 10/01/2022	Actuarial Impact Statement 10/01/2022	10/01/2023
A. Statement of Accumulated System Benefits			
1. Actuarial present value of accumulated vested System benefits			
a. Participants currently receiving benefits including DROP participants	$ 2,705,532	$ 2,705,532	$ 2,932,706
b. Other participants (including reserve for Share Plan liability)	741,025	741,025	582,167
c. Total	$ 3,446,557	$ 3,446,557	$ 3,514,873
2. Actuarial present value of accumulated non-vested System benefits	$ 0	$ 0	$ 0
3. Total actuarial present value of accumulated System benefits	$ 3,446,557	$ 3,446,557	$ 3,514,873

B. Statement of Change in Accumulated System Benefits	
1. Actuarial present value of accumulated System benefits as of October 1, 2022	$ 3,446,557
2. Increase (decrease) during year attributable to:	
a. System amendment	$ 0
b. Change in actuarial assumptions	0
c. Benefits paid including refunds and DROP distributions	(231,868)
d. Other, including benefits accumulated, increase for interest due to decrease in the discount period	300,184
e. Net increase	$ 68,316
3. Actuarial present value of accumulated System benefits as of October 1, 2023	$ 3,514,873

C. Significant Matters Affecting Calculations	
1. Assumed rate of return used in determining actuarial present values	6.00%
2. Change in System provisions	See Table IX, Item R.
3. Change in actuarial assumptions	See Table X, Item H.

Accounting Disclosure Exhibit

III. Net Pension Liability and Related Ratios (GASB Statement Numbers 67 & 68)

Measurement date	9/30/2014	9/30/2015	9/30/2016	9/30/2017	9/30/2018	9/30/2019	9/30/2020	9/30/2021	9/30/2022	9/30/2023 *	Projected 9/30/2024 **
A. **Total Pension Liability (TPL)**											
Service Cost	$ 130,539	$ 144,773	$ 156,107	$ 156,989	$ 136,825	$ 145,856	$ 117,980	$ 64,244	$ 18,570	$ 0	$ 0
Interest	196,106	213,154	235,684	255,218	257,407	271,341	275,148	247,616	225,789	199,748	205,556
Benefit Changes	0	0	0	0	0	0	(945)	268,575	0	0	0
Difference Between Actual and Expected Experience	(741)	(19,771)	56,393	(91,659)	(162,443)	(132,896)	(85,233)	(242,201)	(254,300)	(273,706)	170,036
Assumption Changes	0	49,797	0	(13,449)	0	0	(96,526)	0	0	0	0
Benefit Payments, including Refunds of Member Contributions	(142,060)	(96,939)	(102,590)	(127,009)	(123,132)	(150,433)	(152,193)	(191,302)	(548,385)	(231,868)	(317,079)
Other	0	0	3,256	0	19,828	0	0	0	0	0	0
Net Change in Total Pension Liability	$ 183,844	$ 291,014	$ 348,850	$ 180,090	$ 128,485	$ 133,868	$ 58,231	$ 146,932	$ (558,326)	$ (305,826)	$ 58,513
Total Pension Liability (TPL) - (beginning of year)	2,807,275	2,991,119	3,282,133	3,630,983	3,811,073	3,939,558	4,073,426	4,131,657	4,278,589	3,720,263	3,414,437
Total Pension Liability (TPL) - (end of year)	$ 2,991,119	$ 3,282,133	$ 3,630,983	$ 3,811,073	$ 3,939,558	$ 4,073,426	$ 4,131,657	$ 4,278,589	$ 3,720,263	$ 3,414,437	$ 3,472,950
B. **System Fiduciary Net Position**											
Contributions - City and State	$ 135,293	$ 145,525	$ 147,598	$ 157,712	$ 168,046	$ 136,798	$ 138,866	$ 89,154	$ 39,652	$ 89,478	$ 48,384
Contributions - Member	23,854	26,324	27,433	25,409	23,446	23,945	20,552	18,140	249	0	0
Net Investment Income	318,708	(44,021)	246,381	404,267	308,920	140,894	507,378	906,378	(1,079,229)	503,627	248,532
Benefit Payments, including Refunds of Member Contributions	(142,060)	(96,939)	(102,590)	(127,009)	(123,132)	(150,433)	(152,193)	(191,302)	(548,385)	(231,868)	(317,079)
Administrative Expenses	(16,233)	(27,132)	(31,639)	(34,933)	(59,878)	(43,675)	(40,275)	(44,943)	(44,389)	(62,323)	(62,325)
Other	0	0	(1,766)	(6,375)	0	0	652	0	0	1,657	0
Net Change in System Fiduciary Net Position	$ 319,562	$ 3,757	$ 285,417	$ 419,071	$ 317,402	$ 107,529	$ 474,980	$ 777,427	$ (1,632,102)	$ 300,571	$ (82,488)
System Fiduciary Net Position - (beginning of year)	2,934,096	3,253,658	3,257,415	3,542,832	3,961,903	4,279,305	4,386,834	4,861,814	5,639,241	4,007,139	4,307,710
System Fiduciary Net Position - (end of year)	$ 3,253,658	$ 3,257,415	$ 3,542,832	$ 3,961,903	$ 4,279,305	$ 4,386,834	$ 4,861,814	$ 5,639,241	$ 4,007,139	$ 4,307,710	$ 4,225,222
C. **Net Pension Liability (NPL) - (end of year): (A) - (B)**	$ (262,539)	$ 24,718	$ 88,151	$ (150,830)	$ (339,747)	$ (313,408)	$ (730,157)	$ (1,360,652)	$ (286,876)	$ (893,273)	$ (752,272)
D. **System Fiduciary Net Position as a Percentage of TPL: (B) / (A)**	108.78 %	99.25 %	97.57 %	103.96 %	108.62 %	107.69 %	117.67 %	131.80 %	107.71 %	126.16 %	121.66 %
E. **Covered Employee Payroll** ***	$ 477,080	$ 526,480	$ 548,660	$ 508,180	$ 468,920	$ 478,900	$ 411,033	$ 367,446	$ 4,990	$ 0	$ 0
F. **NPL as a Percentage of Covered Employee Payroll: (C) / (E)**	(55.03)%	4.69 %	16.07 %	(29.68)%	(72.45)%	(65.44)%	(177.64)%	(370.30)%	(5,749.02)%	N/A	N/A
G. Notes to Schedule:											
Valuation Date	10/1/2013	10/1/2014	10/1/2015	10/1/2016	10/1/2017	10/1/2018	10/1/2019	10/1/2020	10/1/2021	10/1/2022	10/1/2023
Reporting Date (GASB Statement Number 68)	9/30/2015	9/30/2016	9/30/2017	9/30/2018	9/30/2019	9/30/2020	9/30/2021	9/30/2022	9/30/2023	9/30/2024	9/30/2025

Update procedures used to roll forward TPL excluding DROP and Share account balances, if any, to the measurement dates - actual DROP and Share account balances, if any, as of measurement dates included in TPL.

See Table IX, Item V. for benefit and assumption changes during the years.

* As reported in Plan's Financial Statements.

** Projected - actual amounts will be available after fiscal year end

*** Reported payroll used to determine contribution as provided under GASB Statement Number 82.

Table VIII
(Cont'd)

Accounting Disclosure Exhibit

IV. Schedule of Employer Contributions (GASB Statement Numbers 67 & 68)

Fiscal Year End 9/30	Actuarially Determined Contribution	Actual Contribution [1]	Contribution Deficiency (Excess)	Covered Payroll [2]	Actual Contribution as a % of Covered Payroll
2014	$ 122,212	$ 135,293	$ (13,081)	$ 477,080	28.36%
2015	138,914	145,525	(6,611)	526,480	27.64%
2016	143,632	147,598	(3,966)	548,660	26.90%
2017	170,269	157,712	12,557	508,180	31.03%
2018	167,871	168,046	(175)	468,920	35.84%
2019	139,143	136,798	2,345	478,900	28.57%
2020	157,372	138,866	18,506	411,033	33.78%
2021	104,102	89,154	14,948	367,446	24.26%
2022	46,153	39,652	6,501	4,990	794.63%
2023	45,922	89,478	(43,556)	0	N/A
2024 [3]	48,384	48,384	0	0	N/A

[1] Includes State contributions in excess of the amount allowable to be used as an offset to the City's contribution requirement.

[2] Reported payroll used to determine contribution as provided under GASB Statement Number 82.

[3] Projected - actual amounts will be available after fiscal year end

Accounting Disclosure Exhibit

V. Notes to Schedule of Contributions (GASB Statement Numbers 67 & 68)

Valuation Date:	Actuarially determined contributions are calculated as of October 1st - two years prior the fiscal year end in which contributions are paid.

Methods and Assumptions Used to Determine Contribution Rates for Fiscal Year Ended September 30, 2024:

Actuarial Cost Method	Entry Age Normal
Amortization Method	N/A
Amortization Period	N/A
Asset Valuation Method	Market Value
Inflation	2.5%
Salary Increases	N/A
Investment Rate of Return	6.0%
Retirement Age	100% when first eligible for Normal Retirement or DROP entry.
Mortality	For healthy participants during employment, PUB-2010 Headcount Weighted Safety Employee Female Mortality Table and Safety Below Median Employee Male Mortality Table, both set forward 1 year, with fully generational mortality improvements projected to each future decrement date with Scale MP-2018. For healthy participants post employment, PUB-2010 Headcount Weighted Safety Healthy Retiree Female Mortality Table and Safety Below Median Healthy Retiree Male Mortality Table, both set forward 1 year, with fully generational mortality improvements projected to each future decrement date with Scale MP-2018. For disabled participants, 80% PUB-2010 Headcount Weighted General Disabled Retiree Mortality Table / 20% PUB-2010 Headcount Weighted Safety Disabled Retiree Mortality Table, separate rates for males and females, without projected mortality improvements.
Cost of Living Adjustment	0.5% every odd year

Other Information:

Benefit Changes	2022 - Firefighter Reserve and Medical Stipend added; 2020 - System closed to new entrants and current active members were provided the option to remain in the System and continue to accrue benefits or to join the County Retirement Program (includes reduction in investment return assumption due to System closure); 2019 - Disability due to cancer diagnosis considered in the line of duty
Assumption Changes	2022 - Asset valuation method changed to market value; 2019 - Mortality assumptions were updated; 2016 - Mortality assumptions were updated; 2014 - Mortality assumptions were updated.

Accounting Disclosure Exhibit

VI. Discount Rate (GASB Statement Numbers 67 & 68)

A discount rate of 6.0% was used to measure the TPL effective for measurement date September 30, 2021. This discount rate was based on the expected rate of return on System investments of 6.0%. The projection of cash flows used to determine this discount rate assumed member contributions will be made at the current member contribution rate and employer contributions will be made at rates equal to the difference between actuarially determined contribution rates and the member contribution rate. Based on these assumptions, the System's fiduciary net position was projected to be available to make all projected future expected benefit payments of current System members. Therefore, the long-term expected rate of return on System investments was applied to all periods of projected benefit payments to determine the TPL.

VII. Sensitivity of the NPL to the Discount Rate Assumption (GASB Statement Numbers 67 & 68)

Measurement date: September 30, 2023

	1% Decrease	Current Discount Rate	1% Increase
Discount Rate	5.0%	6.0%	7.0%
NPL	($455,287)	($893,273)	($1,250,725)

Measurement date: September 30, 2024 *

	1% Decrease	Current Discount Rate	1% Increase
Discount Rate	5.0%	6.0%	7.0%
NPL	($387,495)	($752,272)	($1,183,727)

* Projected - actual amounts will be available after fiscal year end

Accounting Disclosure Exhibit

VIII. Pension Expense and Deferred Outflows of Resources and Deferred Inflows of Resources Related to Pensions - Reporting Date (GASB Statement Number 68)

Pension Expense for Fiscal Year Ending September 30, 2024	$ (298,769)

Summary of Outstanding Deferred Inflows and Outflows of Resources as of September 30, 2024

	Deferred Outflows of Resources	Deferred Inflows of Resources
Differences between actual and expected experience on liabilities	$ 0	$ 148,016
Changes of assumptions or other inputs	0	48,209
Net difference between projected and actual earnings on pension System investments	337,467	0
Total	$ 337,467	$ 196,225

Projected Deferred Outflows for City Contributions after the Measurement Date	$ 48,384

Summary of Deferred Outflows and Inflows of Resources that will be Recognized in Pension Expense in Future Years.

Year Ending 30-Sep	Amount
2025	$ (17,505)
2026	50,791
2027	187,324
2028	(79,368)
2029	0
Thereafter	0

Accounting Disclosure Exhibit

The following information is not required to be disclosed but is provided for informational purposes.

IX. Components of Pension Expense (GASB Statement Number 68)

Measurement Date	9/30/2014	9/30/2015	9/30/2016	9/30/2017	9/30/2018	9/30/2019	9/30/2020	9/30/2021	9/30/2022	9/30/2023	Projected 9/30/2024 *
Service Cost	$ 130,539	$ 144,773	$ 156,107	$ 156,989	$ 136,825	$ 145,856	$ 117,980	$ 64,244	$ 18,570	$ 0	$ 0
Interest on Total Pension Liability	196,106	213,154	235,684	255,218	257,407	271,341	275,148	247,616	225,789	199,748	205,556
Current-Period Benefit Changes	0	0	0	0	0	0	(945)	268,575	0	0	0
Contributions - Member	(23,854)	(26,324)	(27,433)	(25,409)	(23,446)	(23,945)	(20,552)	(18,140)	(249)	0	0
Projected Earnings on System Investments	(205,417)	(229,428)	(229,385)	(248,516)	(277,630)	(298,384)	(305,944)	(287,840)	(321,768)	(234,337)	(248,532)
Administrative Expenses	16,233	27,132	31,639	34,933	59,878	43,675	40,275	44,943	44,389	62,323	62,325
Other Changes in System Fiduciary Net Position	0	0	1,766	6,375	0	0	(652)	0	0	(1,657)	0
Other Changes in Total Pension Liability	0	0	3,256	0	19,828	0	0	0	0	0	0
Recognition of Beginning Deferred Outflows / (Inflows) due to Liabilities	(93)	3,614	10,938	(3,460)	(24,834)	(40,846)	(63,853)	(139,538)	(393,748)	(418,690)	90,184
Recognition of Beginning Deferred Outflows / (Inflows) due to Assets	(22,658)	32,032	28,633	(2,517)	(8,776)	45,380	(49,597)	(169,906)	141,444	93,844	62,347
Total Pension Expense	$ 90,856	$ 164,953	$ 211,205	$ 173,613	$ 139,252	$ 143,077	$ (8,140)	$ 9,954	$ (285,573)	$ (298,769)	$ 171,880

* Projected - actual amounts will be available after measurement date

Accounting Disclosure Exhibit

The following information is not required to be disclosed but is provided for informational purposes.

X. Recognition of Deferred Outflows and (Inflows) due to Liabilities - Measurement Date (GASB Statement Number 68)

Recognition of Deferred Outflows due to Differences Between Actual and Expected Experience on Liabilities

Established	Initial Balance	Initial Recognition Period	Remaining Recognition Period as of 9/30/2023	Recognition Amount for FYE 2023	Balance as of 9/30/2023
2014 / 2015	$ 0	8.1	0.0	$ 0	$ 0
2015 / 2016	56,393	7.7	0.0	5,125	0
2016 / 2017	0	7.3	0.3	0	0
2017 / 2018	0	7.6	1.6	0	0
2018 / 2019	0	8.3	3.3	0	0
2019 / 2020	0	7.9	3.9	0	0
2020 / 2021	0	3.2	0.2	0	0
2022 / 2023	0	1.0	0.0	0	0
			TOTAL	$ 5,125	$ 0

Recognition of Deferred (Inflows) due to Differences Between Actual and Expected Experience on Liabilities

Established	Initial Balance	Initial Recognition Period	Remaining Recognition Period as of 9/30/2023	Recognition Amount for FYE 2023	Balance as of 9/30/2023
2014 / 2015	$ (19,771)	8.1	0.0	$ (243)	$ 0
2015 / 2016	0	7.7	0.0	0	0
2016 / 2017	(91,659)	7.3	0.3	(12,556)	(3,767)
2017 / 2018	(162,443)	7.6	1.6	(21,374)	(34,199)
2018 / 2019	(132,896)	8.3	3.3	(16,012)	(52,836)
2019 / 2020	(85,233)	7.9	3.9	(10,789)	(42,077)
2020 / 2021	(242,201)	3.2	0.2	(75,688)	(15,137)
2022 / 2023	(273,706)	1.0	0.0	(273,706)	0
			TOTAL	$ (410,368)	$ (148,016)

Recognition of Deferred Outflows due to Changes of Assumptions or Other Inputs

Established	Initial Balance	Initial Recognition Period	Remaining Recognition Period as of 9/30/2023	Recognition Amount for FYE 2023	Balance as of 9/30/2023
2014 / 2015	$ 49,797	8.1	0.0	$ 613	$ 0
2015 / 2016	0	7.7	0.0	0	0
2016 / 2017	0	7.3	0.3	0	0
2017 / 2018	0	7.6	1.6	0	0
2018 / 2019	0	8.3	3.3	0	0
2019 / 2020	0	7.9	3.9	0	0
2020 / 2021	0	3.2	0.2	0	0
2022 / 2023	0	1.0	0.0	0	0
			TOTAL	$ 613	$ 0

Accounting Disclosure Exhibit

The following information is not required to be disclosed but is provided for informational purposes.

X. Recognition of Deferred Outflows and (Inflows) Due to Liabilities - Measurement Date (GASB Statement Number 68) (cont'd)

Recognition of Deferred (Inflows) due to Changes of Assumptions or Other Inputs

Established	Initial Balance	Initial Recognition Period	Remaining Recognition Period as of 9/30/2023	Recognition Amount for FYE 2023	Balance as of 9/30/2023
2014 / 2015	$ 0	8.1	0.0	$ 0	$ 0
2015 / 2016	0	7.7	0.0	0	0
2016 / 2017	(13,449)	7.3	0.3	(1,842)	(555)
2017 / 2018	0	7.6	1.6	0	0
2018 / 2019	0	8.3	3.3	0	0
2019 / 2020	(96,526)	7.9	3.9	(12,218)	(47,654)
2020 / 2021	0	3.2	0.2	0	0
2022 / 2023	0	1.0	0.0	0	0
			TOTAL	$ (14,060)	$ (48,209)

XI. Recognition of Deferred Outflows and (Inflows) due to Assets - Measurement Date (GASB Statement Number 68)

Recognition of Deferred Outflows / (Inflows) due to Difference Between Projected and Actual Earnings on Pension System Investments

Established	Initial Balance	Initial Recognition Period	Remaining Recognition Period as of 9/30/2023	Recognition Amount for FYE 2023	Balance as of 9/30/2023
2018 / 2019	$ 157,490	5	0	$ 31,498	$ 0
2019 / 2020	(201,434)	5	1	(40,287)	(40,286)
2020 / 2021	(618,538)	5	2	(123,708)	(247,414)
2021 / 2022	1,400,997	5	3	280,199	840,599
2022 / 2023	(269,290)	5	4	(53,858)	(215,432)
			TOTAL	$ 93,844	$ 337,467

Outline of Principal Provisions of the Retirement System

A. Effective Date:

January 1, 1972. Most recently amended by the Interlocal Agreement between Okeechobee County and the City of Okeechobee for Fire Services dated December 1, 2020 and Ordinance No. 1229 adopted August 3, 2021 and Ordinance No. 1286 adopted March 5, 2024.

B. Eligibility:

All actively employed full time Firefighters who elect to remain members of the System following the merger with the County are eligible on date of employment. After August 2, 2021 the System is closed to new or reemployed members.

C. Contributions:

Employee:	5.0% of Salary.
State:	Premium Tax Revenue.
City:	Balance required to maintain System on sound actuarial basis.

D. Credited Service:

Service is measured as the total number of years and fractional part of years of continuous service as a Member. No service is credited for any periods of employment for which the Member received a refund of Employee Contributions. [System is being administered and valued based upon total number of years and completed months of service as a Member].

E. Salary:

Basic compensation including tax deferred, tax sheltered and tax exempt income which would otherwise be included in base income, derived from elective employee payroll deductions or salary reductions.

F. Average Final Compensation:

Average Final Compensation (AFC) is determined by the average basic salary over the highest 5 years of the last 10.

G. Normal Retirement:

1. Eligibility:

   Earlier of:
   (a) Attainment of age 55 with completion of 10 years of Credited Service.
   (b) Completion of 25 years of Credited Service.

2. Benefit:

   3.0% times AFC times Credited Service.

Outline of Principal Provisions of the Retirement System

H. Early Retirement:

1. Eligibility:

   Attainment of age 50 with completion of 10 years of Credited Service.

2. Benefit:

   Benefit accrued to date of retirement, reduced by 3% for each year early retirement date precedes age 55.

I. Delayed Retirement:

Computed the same as set forth under Normal Retirement, based upon AFC and Credited Service as of delayed retirement date.

J. Disability Retirement:

1. Service Incurred:

   Accrued benefit, but not less than 42% of AFC.

2. Non-Service Incurred:

a. Eligibility:	5 or more years of Credited Service; totally and permanently disabled.
b. Benefit:	The greatest of: (i) Accrued benefit (ii) 2% of AFC times Credited Service (iii) 25% of AFC

K. Pre-Retirement Death Benefit:

a. Not Vested:	Refund of accumulated contributions.
b. Vested but Not Eligible for Early or Normal Retirement:	Greater of (a) 50% of the present value of vested accrued benefit or (b) refund of accumulated contributions.
c. Eligible for Early or Normal Retirement:	Greater of (a) accrued benefit, determined as though the deceased had retired immediately preceding date of death and elected the 10 year certain and life form of payment or (b) 50% of present value of vested accrued benefit.

In the event a vested Member's spouse is the sole beneficiary, the beneficiary shall be entitled to the accrued normal or early retirement benefit payable at the deceased Member's early or normal retirement age less the value of any benefits paid above.

Outline of Principal Provisions of the Retirement System

L. Termination Benefits:

1. Eligibility:

   100% vesting upon the completion of 10 years of credited service. Employees who have not completed 10 years of credited service at date of termination of employment shall only be entitled to the return of their accumulated contributions with 3.0% interest.

2. Benefit:

   Accrued benefit based upon credited service and AFC as of date of termination, payable at age 55.

M. Normal Form of Retirement Income:

Monthly benefit payable for ten (10) years certain and life thereafter.

N. Optional Forms of Retirement Income:

In lieu of electing the normal form of payment, the optional forms of payment available are the Single Life Annuity option and the 50%, 66 2/3%, 75% and 100% Joint and Contingent options. A Social Security option is available for Members retiring prior to being eligible for Social Security retirement benefits. A 20% Partial Lump Sum is available for Members who do not participate in the DROP.

O. Deferred Retirement Option Program (DROP)

1. Eligibility:

   Member must be eligible for Normal Retirement.

2. Benefit:

   Retirement benefits are transferred to a hypothetical DROP account within the pension fund. Interest is credited or debited based upon either the quarterly rate of return earned by the Fund or a monthly 6.5% fixed rate of return, as elected by the Member. Members may elect to change their interest crediting election once during the DROP period. The period of participation in the DROP is limited to no more than 60 months. The benefit is paid as a lump sum upon actual termination of employment.

Outline of Principal Provisions of the Retirement System

P. Cost of Living Adjustment (COLA)

Beginning October 1, 1999 and October 1 of every odd-numbered year thereafter, monthly benefits of all retirees (service, disability, DROP), beneficiaries and vested terminated participants who have been in the DROP or in pay status for at least one year on the adjustment date will be increased by 0.5%.

Q. Firefighter Reserve and Medical Stipend

A reserve account will be established to pay a medical stipend to retired Firefighters. The initial and subsequent amount of the reserve will be a dollar amount to bring the funded ratio for Firefighter assets and liabilities to 100% based on current actuarial assumptions. In subsequent years, if the Funded Ratio falls below 95% the Board will transfer the dollar amount from the reserve to increase the funded ratio to 95%. Retired Firefighters who are receiving pension benefit payments (excluding members in early retirement) will receive a medical stipend based on the retiree's years of Credited Service, as follows:

Years of Credited Service	Monthly Stipend
$x \geq 20.0$	$1,000
$17.5 \leq x < 20.0$	$850
$15.0 \leq x < 17.5$	$700
$12.5 \leq x < 15.0$	$550
$10.0 \leq x < 12.5$	$400

The Board will adjust the Monthly Stipend pro-rata based on the balance remaining in the Reserve as of October 1st each Plan Year, if the Reserve does not have enough funds to pay the full stipend.

If there are no funds in the Reserve, no Stipend shall be paid. If no retired Firefighter members remain, the Reserve shall be returned to the Retirement System.

R. Changes Since Previous Actuarial Valuation (included in prior Actuarial Impact Statement)

There was no Firefighter Reserve and Medical Stipend.

Actuarial Assumptions and Actuarial Cost Methods Used in the Valuation

A. Mortality

For healthy participants during employment, PUB-2010 Headcount Weighted Safety Employee Female Mortality Table and Safety Below Median Employee Male Mortality Table, both set forward 1 year, with fully generational mortality improvements projected to each future decrement date with Scale MP-2018.

For healthy participants post employment, PUB-2010 Headcount Weighted Safety Healthy Retiree Female Mortality Table and Safety Below Median Healthy Retiree Male Mortality Table, both set forward 1 year, with fully generational mortality improvements projected to each future decrement date with Scale MP-2018.

For disabled participants, 80% PUB-2010 Headcount Weighted General Disabled Retiree Mortality Table / 20% PUB-2010 Headcount Weighted Safety Disabled Retiree Mortality Table, separate rates for males and females, without projected mortality improvements.

Sample Ages (2023)	Pre-retirement Future Life Expectancy (Years)		Post-retirement Future Life Expectancy (Years)	
	Men	Women	Men	Women
55	30.70	34.54	27.87	31.44
60	25.74	29.47	23.27	26.64
62	23.80	27.46	21.53	24.79

Sample Ages (2043)	Pre-retirement Future Life Expectancy (Years)		Post-retirement Future Life Expectancy (Years)	
	Men	Women	Men	Women
55	32.33	36.03	29.77	33.27
60	27.31	30.92	25.06	28.39
62	25.35	28.88	23.27	26.50

B. Interest to be Earned by Fund

6.0% (net of investment expenses), compounded annually - includes inflation at 2.5%.

C. Allowances for Expenses or Contingencies

Actual administrative expenses incurred during the prior System year.

Actuarial Assumptions and Actuarial Cost Methods Used in the Valuation

D. Cost Methods

Normal Retirement, Termination, Disability, and Death Benefits: Entry Age Normal
Under this method the normal cost for each active employee is the amount which is calculated to be a level percentage of pay that would be required annually from his entry age to his assumed retirement age to fund his estimated benefits, assuming the System had always been in effect. The normal cost for the System is the sum of such amounts for all employees. The actuarial accrued liability as of any valuation date for each active employee or inactive employee who is eligible to receive benefits under the System is the excess of the actuarial present value of estimated future benefits over the actuarial present value of current and future normal costs. The unfunded actuarial accrued liability as of any valuation date is the excess of the actuarial accrued liability over the assets of the System.

E. Amortization of the Unfunded Actuarial Accrued Liability

The Unfunded Actuarial Accrued Liability (UAAL) is being amortized as a level dollar amount over the number of years remaining in the amortization period. However, a 10-year rolling amortization period is being used as long as the UAAL is negative.

F. Asset Valuation Method

Market value.

G. Disclosure of Assumptions

The investment return, salary increases, withdrawal and retirement rates were set based upon System expected experience. The mortality rates are based upon the July 1, 2023 FRS Actuarial Valuation, as required under F.S., Chapter 2015 -157.

H. Changes Since Previous Actuarial Valuation (included in prior Actuarial Impact Statement)

Asset Valuation Method was:

The method used for determining the smoothed value of assets phases in the deviation between the expected and actual return on assets at the rate of 25% per year. The smoothed value of assets will be further adjusted to the extent necessary to fall within the corridor whose lower limit is 80% of the fair market value of System assets and whose upper limit is 120% of the fair market value of System assets.

Statistics for Participants Entitled to Deferred Benefits and Participants Receiving Benefits

A. Entitled to Deferred Benefits

Current Age Group	Count	Total Annual Benefit	Average Annual Benefit
Less than 40	-	$ -	$ -
40 - 44	2	47,727	23,864
45 - 49	2	33,010	16,505
50 - 54	-	-	-
55 - 59	-	-	-
60 - 64	-	-	-
65 & Over	-	-	-
TOTAL	4	$ 80,737	$ 20,184

B. Receiving Benefits (including DROPs)

Current Age Group	Count	Total Annual Benefit	Average Annual Benefit
Less than 50	-	$ -	$ -
50 - 54	1	15,723	15,723
55 - 59	2	41,105	20,553
60 - 64	3	92,216	30,739
65 - 69	-	-	-
70 - 74	2	66,934	33,467
75 - 79	-	-	-
80 - 84	1	32,035	32,035
85 - 89	-	-	-
90 & Over	-	-	-
TOTAL	9	$ 248,013	$ 27,557

Table XII

Reconciliation of Member Data

A. Active Participants

1. Active participants previous year	0
2. Retired during year	0
3. Entered DROP	0
4. Died during year	0
5. Disabled during year	0
6. Terminated during year	0
7. New active participants	0
8. Re-instated during year	0
9. Active participants current year	0

B. Participants Receiving Benefits

1. Participants receiving benefits previous year	8
2. New retired participants	0
3. Former DROPs now receiving benefits	0
4. New terminated vested receiving benefits	1
5. New disabled receiving benefits	0
6. New beneficiaries receiving benefits	0
7. Died or ceased payment during year	0
8. Retired or terminated vested receiving benefits current year	9

C. DROP Participants

1. DROP participants previous year	0
2. Died during year	0
3. Became disabled during year	0
4. Employment terminated and retired during year	0
5. Entered DROP during year	0
6. DROP participants current year	0

D. Terminated Vested Participants Entitled to Future Benefits

1. Terminated vested entitled previous year	5
2. Died during year	0
3. Commenced receiving benefits during year	(1)
4. New terminated vested	0
5. Terminated vested paid lump sum	0
6. Terminated vested entitled current year	4

Projected Retirement Benefits

Fiscal Year	Projected Total Annual Payout
2024	$ 317,079
2025	$ 245,042
2026	$ 242,015
2027	$ 238,379
2028	$ 234,149
2029	$ 229,363
2030	$ 224,081
2031	$ 218,375
2032	$ 212,323
2033	$ 223,829

The above projected payout of System benefits during the next ten years is based on assumptions involving all decrements. The actual payouts may differ from the above estimates depending upon the death, salary and retirement experience of the System. However, since the projected payment is recomputed each valuation date, there is an automatic correction to the extent that actual experience varies from expected experience.

Table XIV

Summary of Transaction Information

Valuation Date	Benefits Paid [1]	Administrative Expenses	Employee Contributions	Net City Contributions [2]	Total State Contributions [2]	Smoothed Value [2,3]
10/01/2023	$ 231,868	$ 62,325	$ 0	$ 11,909	$ 45,922	$ 3,514,873
10/01/2022	548,385	44,389	249	569	39,083	4,673,038
10/01/2021	191,302	44,943	18,140	53,116	45,578	5,110,560
10/01/2020	152,193	40,275	20,552	104,702	52,670	4,770,705
10/01/2019	150,433	43,675	23,945	86,333	52,810	4,416,825
10/01/2018	123,132	59,878	23,446	115,078	52,793	4,146,331
10/01/2017	127,009	34,933	25,409	107,123	50,589	3,881,778
10/01/2016	102,590	31,639	27,433	97,709	49,889	3,577,993
10/01/2015	96,939	27,132	26,324	92,863	52,662	3,335,746
10/01/2014	142,060	16,233	23,854	82,058	63,598	3,062,097
10/01/2013	180,562	22,297	21,821	55,917	49,175	2,795,908
10/01/2012	31,091	18,925	21,837	54,525	58,861	2,595,508
10/01/2011	37,895	15,102	21,511	49,188	48,724	2,428,618
10/01/2010	30,936	14,773	21,940	26,076	54,518	2,416,595
10/01/2009	30,782	16,232	22,837	5,755	65,515	2,330,746
10/01/2008	33,518	15,418	23,074	16,014	66,073	2,255,117
10/01/2007	48,684	16,430	22,538	26,775	58,160	2,123,157
10/01/2006	32,362	15,142	20,244	26,004	51,372	1,908,512
10/01/2005	39,469	18,467	19,819	600	50,262	1,717,461
10/01/2004	10,694	15,920	20,499	600	46,239	1,627,792

[1] Includes DROP distributions and refunds.

[2] Net of Credit Balance, if any, effective for the October 1, 2018 Actuarial Valuation and net of Stipend Reserve, if any, effective for the October 1, 2023 Actuarial Valuation. Net of Credit Balance, DROP account balances, Share Plan account balances and excess State Funds reserves, if any, prior to October 1, 2018 Actuarial Valuation.

[3] Net Market value effective October 1, 2023

Recent Compensation, Termination and Investment Return Experience

Valuation Date	Compensation % Increase (Decrease)	Compensation Assumed Increase	Termination Ratio of Actual to Expected	Investment Return[1] Market Value	Investment Return[1] Smoothed Value[2]	Investment Return[1] Assumed
10/01/2023	N/A	N/A	N/A	12.9%	12.9%	6.0%
10/01/2022	N/A	N/A	45.5	(20.1%)	2.4%	6.0%
10/01/2021	7.6%	7.0%	29.1	18.9%	9.7%	6.0%
10/01/2020	2.9%	7.0%	8.2	11.6%	8.3%	7.0%
10/01/2019	3.8%	7.0%	2.6	3.3%	7.2%	7.0%
10/01/2018	3.9%	7.0%	5.8	7.8%	6.5%	7.0%
10/01/2017	2.8%	7.0%	N/A	11.4%	7.1%	7.0%
10/01/2016	0.5%	7.0%	N/A	7.6%	6.1%	7.0%
10/01/2015	7.7%	7.0%	N/A	(1.4%)	7.6%	7.0%
10/01/2014	2.7%	7.0%	N/A	11.0%	7.9%	7.0%
Last 3 Years	N/A	N/A	N/A	2.4%	8.2%	6.0%
Last 5 Years	N/A	N/A	N/A	4.3%	8.0%	6.4%
Last 10 Years	N/A	N/A	N/A	5.7%	7.5%	6.7%

[1] Computed as 2I/(A+B-I), where A is beginning value, B is ending value and I is investment return.

[2] Market value effective October 1, 2023

Table XVI

Employer Contribution Information

Valuation Date	Contribution Fiscal Year End	Minimum Required Employer Contributions	Actual City Contributions Made	Actual State Contributions Made	Actual Employer Contributions Made
10/01/2023	09/30/2025	$ 67,934	TBD	TBD	TBD
10/01/2022	09/30/2024	$ 48,384	TBD	TBD	TBD
10/01/2021	09/30/2023	$ 45,922	$ 11,909	$ 77,569	$ 89,478
10/01/2020	09/30/2022	$ 46,153	$ 569	$ 39,083	$ 39,652
10/01/2019	09/30/2021	$ 104,102	$ 43,576	$ 45,578	$ 89,154
10/01/2018	09/30/2020	$ 157,372	$ 86,196	$ 52,670	$ 138,866
10/01/2017	09/30/2019	$ 139,143	$ 83,988	$ 52,810	$ 136,798
10/01/2016	09/30/2018	$ 167,871	$ 115,253	$ 52,793	$ 168,046
10/01/2015	09/30/2017	$ 170,269	$ 107,123	$ 50,589	$ 157,712
10/01/2014	09/30/2016	$ 143,632	$ 97,709	$ 49,889	$ 147,598
10/01/2013	09/30/2015	$ 138,914	$ 92,863	$ 52,662	$ 145,525
10/01/2012	09/30/2014	$ 122,212	$ 82,058	$ 63,598	$ 145,656
10/01/2011	09/30/2013	$ 103,915	$ 55,917	$ 49,175	$ 105,092
10/01/2010	09/30/2012	$ 98,023	$ 54,525	$ 58,861	$ 113,386
10/01/2009	09/30/2011	$ 97,629	$ 49,188	$ 48,724	$ 97,912
10/01/2008	09/30/2010	$ 80,594	$ 26,076	$ 54,518	$ 80,594
10/01/2007	09/30/2009	$ 63,564	$ 5,755	$ 65,515	$ 71,270
10/01/2006	09/30/2008	$ 66,094	$ 16,014	$ 66,073	$ 82,087
10/01/2005	09/30/2007	$ 74,862	$ 26,775	$ 58,160	$ 84,935
10/01/2004	09/30/2006	$ 71,730	$ 26,004	$ 51,372	$ 77,376

Actuarial Valuation as of October 1, 2023

State Required Exhibit

	Actuarial Valuation 10/01/2022	Actuarial Impact Statement 10/01/2022	10/01/2023
A. Participant Data			
1. Active participants	0	0	0
2. Retired participants and beneficiaries receiving benefits (including DROPs)	7	7	8
3. Disabled participants receiving benefits	1	1	1
4. Terminated vested participants	5	5	4
5. Annual payroll of active participants	$ 0	$ 0	$ 0
6. Annual benefits payable to those currently receiving benefits including DROPs	$ 231,136	$ 231,136	$ 248,013
B. Value of Assets			
1. Net Smoothed Value of Assets	$ 4,673,038	$ 3,446,557	$ 3,514,873
2. Net Market Value of Assets	$ 4,007,139	$ 3,446,557	$ 3,514,873
3. Stipend Reserve Fund	$ 0	$ 560,582	$ 761,191
C. Liabilities			
1. Actuarial present value of future expected benefit payments for active members			
a. Retirement benefits	$ 0	$ 0	$ 0
b. Vesting benefits	0	0	0
c. Death benefits	0	0	0
d. Disability benefits	0	0	0
e. Total	$ 0	$ 0	$ 0
2. Actuarial present value of future expected benefit payments for terminated vested members	$ 731,340	$ 731,340	$ 572,938
3. Actuarial present value of future expected benefit payments for members currently receiving benefits			
a. Service retired including DROP participants	$ 2,050,313	$ 2,050,313	$ 2,290,227
b. Disability retired	365,075	365,075	360,079
c. Beneficiaries	290,144	290,144	282,400
d. Miscellaneous (refunds in process)	7,962	7,962	7,962
e. Total	$ 2,713,494	$ 2,713,494	$ 2,940,668

Table XVII
(Cont'd)

Actuarial Valuation as of October 1, 2023

State Required Exhibit

	Actuarial Valuation 10/01/2022	Actuarial Impact Statement 10/01/2022	10/01/2023
4. Reserve for Share Plan liability	$ 1,723	$ 1,723	$ 1,267
5. Total actuarial present value of future expected benefit payments	$ 3,446,557	$ 3,446,557	$ 3,514,873
6. Actuarial accrued liabilities (Entry Age Normal)	$ 3,446,557	$ 3,446,557	$ 3,514,873
7. Unfunded actuarial accrued liabilities (Entry Age Normal)	$ (1,226,481)	$ 0	$ 0
D. Statement of Accumulated System Benefits			
1. Actuarial present value of accumulated vested benefits			
a. Participants currently receiving benefits including DROP participants	$ 2,705,532	$ 2,705,532	$ 2,932,706
b. Other participants (including reserve for Share Plan liability)	741,025	741,025	582,167
c. Total	$ 3,446,557	$ 3,446,557	$ 3,514,873
2. Actuarial present value of accumulated non-vested System benefits	$ 0	$ 0	$ 0
3. Total actuarial present value of accumulated System benefits	$ 3,446,557	$ 3,446,557	$ 3,514,873

E. Statement of Change in Accumulated System Benefits

1. Actuarial present value of accumulated System benefits as of October 1, 2022	$ 3,446,557
2. Increase (decrease) during year attributable to:	
a. System amendment	$ 0
b. Change in actuarial assumptions	0
c. Benefits paid including refunds and DROP benefits	(231,868)
d. Other, including benefits accumulated and increase for interest due to decrease in the discount period	300,184
e. Net increase	$ 68,316
3. Actuarial present value of accumulated System benefits as of October 1, 2023	$ 3,514,873

Actuarial Valuation as of October 1, 2023

State Required Exhibit

	Actuarial Valuation 10/01/2022	Actuarial Impact Statement 10/01/2022	10/01/2023
F. Pension Cost			
1. Total normal cost (including expenses)	$ 44,389	$ 44,389	$ 62,325
2. Payment required to amortize unfunded liability	(157,207)	0	0
3. Interest adjustment	(10,154)	3,995	5,609
4. Total preliminary required contribution	$ (122,972)	$ 48,384	$ 67,934
5. Total required contribution (Greater of F.1. and F.4.)	$ 44,389	$ 48,384	$ 67,934
6. Item 5 as a percentage of payroll	N/A	N/A	N/A
7. Estimated employee contributions	$ 0	$ 0	$ 0
8. Item 7 as a percentage of payroll	N/A	N/A	N/A
9. Net amount payable by City / State	$ 44,389	$ 48,384	$ 67,934
10. Item 9 as a percentage of payroll	N/A	N/A	N/A
G. Past Contributions			
1. Total contribution required (previous valuation)	$ 45,922	$ 45,922	$ 48,384
2. Actual contributions made:			
a. Employees	$ 0	$ 0	N/A
b. State (net)	45,922	45,922	N/A
c. City (net)	11,909	11,909	N/A
d. Total	$ 57,831	$ 57,831	N/A
H. Net Actuarial Gain (Loss)	$ 95,732	$ 95,732	$ 153,999
I. Disclosure of Following Items:			
1. Actuarial present value of future salaries - attained age	$ 0	$ 0	$ 0
2. Actuarial present value of future employee contributions - attained age	$ 0	$ 0	$ 0
3. Actuarial present value of future contributions from other sources	N/A	N/A	N/A
4. Amount of active members' accumulated contributions	$ 0	$ 0	$ 0
5. Actuarial present value of future salaries and future benefits at entry age	N/A	N/A	N/A
6. Actuarial present value of future employee contributions at entry age	N/A	N/A	N/A

Table XVII
(Cont'd)

State Required Exhibit

	Unfunded Actuarial Accrued Liabilities	Current Unfunded Liabilities	Amortization Payment	Remaining Funding Period
10/01/2023	Unfunded Actuarial Accrued Liability	0	0	10 years
	TOTAL	$ 0	$ 0	

This actuarial valuation and / or cost determination was prepared and completed by us or under our direct supervision, and we acknowledge responsibility for the results. To the best of our knowledge, the results are complete and accurate, and in our opinion, the techniques and assumptions used are reasonable and meet the requirements and intent of Part VII, Chapter 112, Florida Statutes. There is no benefit or expense to be provided by the plan and/or paid from the plan's assets for which liabilities or current costs have not been established or other wise provided for in the valuation. All known events or trends which may require material increase in plan costs or required contribution rates have been taken into account in the valuation.

Michelle Jones

Shelly L. Jones, A.S.A.
Enrollment Number: 23-08646

Jennifer Borregard

Jennifer M. Borregard, E.A.
Enrollment Number: 23-07624

Dated: April 26, 2024

Glossary

Actuarial Accrued Liability. The difference between the Actuarial Present Value of Future Benefits, and the Actuarial Present Value of Future Normal Costs.

Actuarial Assumptions. Assumptions about future plan experience that affect costs or liabilities, such as: mortality, withdrawal, disablement, and retirement; future increases in salary; future rates of investment earnings; future investment and administrative expenses; characteristics of members not specified in the data, such as marital status; characteristics of future members; future elections made by members and other items.

Actuarial Cost Method. A procedure for allocating the Actuarial Present Value of Future Benefits between the Actuarial Present Value of Future Normal Costs and the Actuarial Accrued Liability.

Actuarial Equivalent. Of equal Actuarial Present Value, determined as of a given date and based on a given set of Actuarial Assumptions.

Actuarial Present Value of Future Benefits. The Actuarial Present Value of amounts which are expected to be paid at various future times to active members, retired members, beneficiaries receiving benefits and inactive, non-retired members entitled to either a refund or a future retirement benefit. Expressed another way, it is the value that would have to be invested on the valuation date so that the amount invested plus investment earnings would provide sufficient assets to pay all projected benefits and expenses when due.

Actuarial Valuation. The determination, as of a valuation date, of the Normal Cost, Actuarial Accrued Liability, Actuarial Value of Assets, and related Actuarial Present Values for a plan. An Actuarial Valuation for a governmental retirement system typically also includes calculations of items needed for compliance with GASB No. 67.

Actuarial Value of Assets. The value of the assets as of a given date, used by the actuary for valuation purposes. This may be the market or fair value of plan assets or a smoothed value in order to reduce the year-to-year volatility of calculated results, such as the funded ratio and the actuarially required contribution.

Amortization Method. A method for determining the Amortization Payment. The most common methods used are level dollar and level percentage of payroll. Under the Level Dollar method, the Amortization Payment is one of a stream of payments, all equal, whose Actuarial Present Value is equal to the UAAL. Under the Level Percentage of Pay method, the Amortization Payment is one of a stream of increasing payments, whose Actuarial Present Value is equal to the UAAL. Under the Level Percentage of Pay method, the stream of payments increases at the rate at which total covered payroll of all active members is assumed to increase.

Glossary

Amortization Payment. That portion of the plan contribution which is designed to pay interest on and to amortize the Unfunded Actuarial Accrued Liability.

Amortization Period. The period used in calculating the Amortization Payment.

Annual Required Contribution. The employer's periodic required contributions, expressed as a dollar amount or a percentage of covered plan compensation. The annual required contribution consists of the Employer Normal Cost and Amortization Payment plus interest adjustment.

Closed Amortization Period. A specific number of years that is reduced by one each year, and declines to zero with the passage of time. For example if the amortization period is initially set at 30 years, it is 29 years at the end of one year, 28 years at the end of two years, etc.

Employer Normal Cost. The portion of the Normal Cost to be paid by the employer. This is equal to the Normal Cost less expected member contributions.

Equivalent Single Amortization Period. For plans that do not establish separate amortization bases (separate components of the UAAL), this is the same as the Amortization Period. For plans that do establish separate amortization bases, this is the period over which the UAAL would be amortized if all amortization bases were combined upon the current UAAL payment.

Experience Gain/Loss. A measure of the difference between actual experience and that expected based upon a set of Actuarial Assumptions, during the period between two actuarial valuations. To the extent that actual experience differs from that assumed, Unfunded Actuarial Accrued Liabilities emerge which may be larger or smaller than projected. Gains are due to favorable experience, e.g., the assets earn more than projected, salaries do not increase as fast as assumed, members retire later than assumed, etc. Favorable experience means actual results produce actuarial liabilities not as large as projected by the actuarial assumptions. Losses are the result of unfavorable experience, i.e., actual results that produce Unfunded Actuarial Accrued Liabilities which are larger than projected.

GASB. Governmental Accounting Standards Board.

Glossary

GASB No. 67 and GASB No. 68. These are the governmental accounting standards that set the accounting rules for public retirement plans and the employers that sponsor or contribute to them. Statement No. 67 sets the accounting rules for the plans themselves, while Statement No. 68 sets the accounting rules for the employers that sponsor or contribute to public retirement plans.

Normal Cost. The annual cost assigned, under the Actuarial Cost Method, to the current plan year.

Open Amortization Period. An open amortization period is one which is used to determine the Amortization Payment but which does not change over time. In other words, if the initial period is set as 30 years, the same 30-year period is used in determining the Amortization Period each year. In theory, if an Open Amortization Period is used to amortize the Unfunded Actuarial Accrued Liability, the UAAL will never completely disappear, but will become smaller each year, either as a dollar amount or in relation to covered payroll.

Unfunded Actuarial Accrued Liability. The difference between the Actuarial Accrued Liability and Actuarial Value of Assets.

Valuation Date. The date as of which the Actuarial Present Value of Future Benefits are determined. The benefits expected to be paid in the future are discounted to this date.

Vested Benefit Security Ratio. The ratio of the Market Value of Assets to the Actuarial Present Value of Vested Accrued Benefits.