



August 14, 2025

Ms. Patti McLauchlin, Administrator
City of Key West Employees' Retirement Plan
16073 Thornwood Dr.
Fort Myers, Florida 33908

**Re: Retirement Plan for Employees of the City of Key West
October 1, 2024 Actuarial Valuation**

Dear Patti:

As requested, we are pleased to enclose ten (10) copies of the October 1, 2024 Actuarial Valuation Report for the Retirement Plan for Employees of the City of Key West.

We appreciate the opportunity to work with the Board on this important project and look forward to presenting the key financial results of our Actuarial Valuation Report at the next Board Meeting. Please let us know the date and time.

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.

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

Sincerely,
Gabriel, Roeder, Smith & Company

A handwritten signature in black ink that reads "Michelle Jones". The signature is written in a cursive, flowing style.

Shelly L. Jones, A.S.A.
Consultant and Actuary

Enclosure

Retirement Plan for Employees of the City of Key West

Actuarial Valuation as of October 1, 2024

This Valuation Determines the Annual Contribution for Plan Year October 1, 2025 through September 30, 2026 to Be Paid in Fiscal Year October 1, 2025 to September 30, 2026



**Retirement Plan for Employees
of the City of Key West**

TABLE OF CONTENTS

	<u>Page</u>
Transmittal Letter	1
Executive Summary	4
Risks Associated with Measuring the Accrued Liability and Actuarially Determined Contribution	6
Low-Default-Risk Obligation Measure	9
I. Summary of Retirement Plan Costs.....	10
II. Comparison of Cost Data of Current and Prior Valuations.....	12
III. Characteristics of Members in Actuarial Valuation.....	13
IV. Statement of Assets	14
V. Reconciliation of Plan Assets and Development of Smoothed Actuarial Value of Assets	15
VI. Actuarial Gain / (Loss) for Plan Year and Covered Payroll History	17
VII. Accounting Disclosure Exhibit	19
VIII. Outline of Principal Provisions of the Retirement Plan	28
IX. Actuarial Assumptions and Actuarial Cost Methods Used	32
X. Distribution of Plan Members by Attained Age and Service Groups.....	36
XI. Statistics for Members Entitled to Deferred Benefits and Participants Receiving Benefits	37
XII. Reconciliation of Member Data	38
XIII. Projected Retirement Benefits.....	39
XIV. Recent Compensation, Termination and Investment Return Experience	40
XV. Summary of Transaction Information	41
XVI. City Contribution Information.....	42
XVII. State Required Exhibit.....	43
XVIII. Glossary.....	47





August 14, 2025

General Employees' Pension Board
c/o Ms. Patti McLauchlin, Administrator
City of Key West Employees' Retirement Plan
16073 Thornwood Dr.
Fort Myers, Florida 33908

Dear Board Members:

We are pleased to present our October 1, 2024 Actuarial Valuation for the Retirement Plan for Employees of the City of Key West (Plan). The purpose of this report is to indicate appropriate contribution levels, comment on the actuarial stability of the Plan and to satisfy State requirements. The Board has retained Gabriel, Roeder, Smith & Company (GRS) to prepare an annual actuarial valuation under Section 46.72(a) of the Plan. This report is prepared for and at the request of the Pension Board.

This 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 Glossary on Table XVIII. The Tables contain basic Plan cost figures plus significant details on the benefits, liabilities and experience of the Plan. We suggest that 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 and other information through September 30, 2024. The valuation was based upon information furnished by the Board concerning Plan benefits, plan provisions and active members, terminated members, retirees and beneficiaries. We received financial information concerning Plan assets as of September 30, 2024 from the Pension Board.

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

In our opinion the benefits provided for under the current Plan will be sufficiently funded through the payment of the amount as indicated in the current 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 Plan through our actuarial reports. These reports will also continue to monitor the future experience of the Plan.

We have assessed that the contribution rate calculated under the current funding policy is a reasonable Actuarially Determined Employer Contribution (ADEC) and it is consistent with the plan accumulating adequate assets to make benefit payments when due.

The actuarial assumptions used in this Actuarial Valuation are as adopted by the Board of Trustees. The economic and demographic actuarial assumptions are based upon the results of an Actuarial Experience Study for the period October 1, 2017 – September 30, 2022. The mortality assumptions are prescribed by statute. Each assumption represents an estimate of future Plan 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.

If all actuarial assumptions are met and if all future minimum required contributions are paid, Plan assets will be sufficient to pay all Plan benefits, future contributions are expected to remain relatively stable as a percentage of payroll and the funded status of the plan is expected to approach 100%. Plan minimum required contributions are determined in compliance with the requirements of the Florida Protection of Public Employee Retirement Benefits Act with normal cost determined as a level percent of covered payroll and a level percent amortization payment of the unfunded actuarial accrued liability using an initial amortization period of 20 years.

The Unfunded Actuarial Accrued Liability (UAAL) may not be appropriate for assessing the sufficiency of Plan 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 UAAL would be different if it reflected the market value of assets rather than the actuarial value of assets.

The Unfunded Actuarial Present Value of Vested Accrued Benefits and the corresponding Vested Benefit Security Ratio may not be appropriate for assessing the sufficiency of Fund assets to meet the estimated cost of settling benefit obligations and also may not be appropriate for assessing the need for or the amount of future contributions.

The GASB Net Pension Liability and Plan Fiduciary Net Position as a Percentage of Total Pension Liability may not be appropriate for assessing the sufficiency of Plan 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 Plan Fiduciary Net Position as a Percentage of Total Pension Liability are based upon the market value of assets.

The Funded Ratios shown in Table II are for informational purposes and may not be appropriate for assessing the sufficiency of Plan 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 Plan 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 Plan 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



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



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



EXECUTIVE SUMMARY

Retirement Plan Costs

Our Actuarial Valuation develops the required minimum Retirement Plan payment under the Florida Protection of Public Employee Retirement Benefits Act. The minimum payment consists of payment of the 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 fiscal year ending September 30, 2026 is \$3,517,931 (17.1%).** The figure in parentheses is the Plan cost expressed as a percentage of projected covered annual payroll for fiscal year ending September 30, 2026 (\$20,572,697).

This total cost is to be met by member and City contributions. We anticipate member contributions will be **\$1,234,362 (6.0%)**. The resulting minimum required City contribution is **\$2,283,569 (11.1%)**.

Changes in Actuarial Assumptions, Methods and Plan Benefits

The maximum period of participation in the DROP was extended from five years to eight years. The remaining plan benefits are unchanged from the previous Actuarial Valuation. Plan benefits are summarized on Table VIII.

The actuarial assumptions and methods are unchanged from the previous Actuarial Valuation and are outlined on Table IX.

Comparison of October 1, 2023 and October 1, 2024 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 October 1, 2023. The right columns indicate the costs as calculated for October 1, 2024.

Comparing the left and right columns of Table II shows the effect of Plan experience during the year. The number of active participants increased by approximately 3% while covered payroll increased by approximately 7%. Total Fund membership increased by approximately 3%. Total normal cost, unfunded actuarial accrued liability and net City minimum funding payment all increased as a dollar amount and as a percentage of covered payroll.

Your Plan continues to have assets in excess of the value of vested accrued benefits, resulting in a Vested Benefit Security Ratio of 119.6%, which is an increase from 109.6% as of October 1, 2023. The Vested Benefit Security Ratio is measured on a market value of assets basis.

The funded ratio is 92.8% as of October 1, 2024 compared to 94.2% as of October 1, 2023. The funded ratio is equal to the smoothed actuarial value of assets divided by the actuarial accrued liability. If the market value of assets had been used instead, the funded ratio would have been 98.0% as of October 1, 2024 and 89.3% as of October 1, 2023.



Plan Experience

Table VI indicates that the Plan experienced an actuarial loss of \$897,272. This suggests actual overall Plan experience was less favorable than expected.

Table XIV (salary, turnover and investment yield) provides figures on recent Plan experience. The salary experience indicates actual salary increases this year averaged approximately 8.7%. Salary experience was a generally source of actuarial loss when compared to the assumed 5.6% average annual increase. Three, five and ten-year average salary increases are 14.1%, 8.8% and 7.5%, respectively.

Employee turnover this year was 80% of the assumed and was an additional source of actuarial loss. Three, five and ten-year turnover has averaged 100%, 110% and 110% of assumed turnover, respectively.

Smoothed actuarial value investment return of 8.59% was above the investment return assumption of 7.25%. Smoothed investment return was an offsetting source of actuarial gain during the previous year. Three, five and ten-year average annual smoothed actuarial value investment returns are 6.54%, 7.71% and 7.9%, respectively. One, three, five and ten-year average market value returns are 20.95%, 5.32%, 9.06% and 7.9%, respectively.

Conclusion and Recommendations

As required per Florida Statute Chapter 112.63, the mortality assumption will be updated in next year's actuarial valuation to the mortality assumption used in the recently published actuarial valuation report of the Florida Retirement System. This update will likely increase the accrued liabilities of the Plan and the City's minimum required contribution.

The Market Value of Assets is more than the Actuarial Value of Assets by \$4,105,262 as of the valuation date. This difference will be gradually recognized in the absence of future gains/ losses. In turn, the actuarially determined contribution rate will decrease.

The remainder of this report includes detailed actuarial valuation results, information relating to the pension plan, 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: Plan 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 Plan's funded status); and changes in Plan 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 plan's future financial condition include:

1. Investment risk – actual investment returns may differ from expected returns;
2. Asset / Liability mismatch – 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. Contribution risk – actual contributions may differ from expected future contributions. For example, actual contributions may not be made in accordance with the Plan's funding policy or material changes may occur in the anticipated number of covered employees, covered payroll or other relevant contribution base;
4. Salary and Payroll risk – actual salaries and total payroll may differ from expected, resulting in actual future accrued liability and the actuarially determined contributions differing from expected;
5. Longevity risk – members may live longer or shorter than expected and receive pensions for a period of time other than assumed;
6. Other demographic risks – 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 Plan. Users of this report should be aware that contributions made at the actuarially determined rate do not necessarily guarantee benefit security.

Plan 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:

	<u>2023</u>	<u>2024</u>
Ratio of the market value of assets to payroll	3.68	4.03
Ratio of actuarial accrued liability to payroll	4.12	4.11
Ratio of actives to retirees and beneficiaries	1.53	1.56
Ratio of net cash flow to market value of assets	-3.0%	-2.9%
Duration of the actuarial accrued liability	11.44	11.49

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: \$118,919,088
- B. Discount rate used to calculate the LDROM: 3.81% based on Bond Buyer “20-Bond GO Index” as of September 26, 2024*
- C. Other significant assumptions that differ from those used for the funding valuation: None
- D. Actuarial cost method used to calculate the LDROM: Entry Age Normal
- 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: None
- 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: The LDROM is a market-based measurement of the pension obligation. It estimates the amount the plan would need to invest in low default risk securities. 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.

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.

* The “20-Bond GO Index” is based on 20 general obligation municipal bonds maturing in 20 years with mixed quality. In describing this index, the Bond Buyer website notes that the bonds’ average credit quality is roughly equivalent to Moody’s Investors Service’s Aa2 rating and Standard & Poor’s Corp.’s AA



Table I

Summary of Retirement Plan Costs as of October 1, 2024

	Cost Data	% of Payroll
A. Participant Data Summary (Table III)		
1. Active Members	297	N/A
2. Terminated vested	12	N/A
3. Receiving benefits (including DROPs)	190	N/A
4. Annual payroll of active Members	\$ 19,280,878	100.0%
B. Total Normal Costs		
1. Age retirement benefits	\$ 2,008,990	10.4%
2. Termination benefits	356,816	1.9%
3. Death benefits	47,727	0.2%
4. Disability benefits	188,768	1.0%
5. Assumed expenses	304,284	1.6%
6. Total annual normal costs	<u>\$ 2,906,585</u>	15.1%
C. Actuarial Accrued Liability		
1. Age retirement benefits active employees	\$ 36,803,878	190.9%
2. Termination benefits active employees	848,014	4.4%
3. Death benefits active employees	569,541	3.0%
4. Disability benefits active employees	639,720	3.3%
5. Retired or terminated vested participants receiving benefits (including DROPs)	36,096,767	187.2%
6. Terminated vested participants entitled to future benefits	1,530,601	7.9%
7. Deceased participants whose beneficiaries are receiving benefits	2,222,861	11.5%
8. Disabled participants receiving benefits	161,926	0.8%
9. Miscellaneous liability	458,052	2.4%
10. Total actuarial accrued liability	<u>\$ 79,331,360</u>	411.5%
D. Net Assets (Table V)		
1. Smoothed actuarial value	\$ 73,617,739	381.8%
2. Market value	\$ 77,723,001	403.1%
E. Unfunded Actuarial Accrued Liability (C.10. - D.1.)	\$ 5,713,621	29.6%

**Table I
(Cont'd)**

Summary of Retirement Plan Costs as of October 1, 2024

	Cost Data	% of Payroll
F. Minimum Required Contribution		
1. Total Normal Cost	\$ 2,906,585	15.1%
2. Amortization of Unfunded Actuarial Accrued Liability	285,374	1.5%
3. Interest Adjustment	111,661	0.6%
4. Total Minimum Required Contribution	<u>\$ 3,303,620</u>	17.1%
G. Minimum Required Contribution (F.S., 112.66 (13)) (Greater of F.1. and F.4.)	\$ 3,303,620	17.1%
H. Expected Payroll of Active Members for 2025 - 2026 Plan Year (\$19,280,878 x 1.067)	\$ 20,572,697	106.7%
I. Contribution Sources for Fiscal Year Ending September 30, 2026 (% of expected payroll of Active Members)		
1. City	\$ 2,283,569	11.1%
2. Member	1,234,362	6.0%
3. Total Minimum Required Contribution	<u>\$ 3,517,931</u>	17.1%
J. Actuarial Gain / (Loss) (Table VI)	\$ (897,272)	(4.7%)
K. Actuarial Present Value of Vested Accrued Benefits		
1. Retired, Terminated Vested, Beneficiaries and Disabled Receiving Benefits (including DROPs)	\$ 38,481,554	199.6%
2. Terminated Vested Participants Entitled to Future Benefits and Miscellaneous	1,988,653	10.3%
3. Active Participants Entitled to Future Benefits	<u>24,537,524</u>	127.3%
4. Total Actuarial Present Value of Vested Accrued Benefits	\$ 65,007,731	337.2%
L. Unfunded Actuarial Present Value of Vested Accrued Benefits (K.4. - D.2., not less than zero)	\$ 0	0.0%
M. Vested Benefit Security Ratio (D.2. ÷ K.4.)	119.6%	N/A

Table II

Comparison of Cost Data of October 1, 2023 and October 1, 2024 Valuations

	October 1, 2023		October 1, 2024	
	Cost Data	% of Annual Payroll	Cost Data	% of Annual Payroll
A. Members				
1. Active Members	287	N/A	297	N/A
2. Terminated vested Members	12	N/A	12	N/A
3. Receiving benefits (including DROPs)	187	N/A	190	N/A
4. Annual payroll of active Members	\$ 17,948,355	100.0%	\$ 19,280,878	100.0%
5. Projected annual payroll of active Members	\$ 19,043,205	106.1%	\$ 20,572,697	106.7%
B. Total Normal Costs	\$ 2,561,124	14.3%	\$ 2,906,585	15.1%
C. Total Actuarial Accrued Liability	\$ 73,948,134	412.0%	\$ 79,331,360	411.5%
D. Present Value of Future Benefits	\$ 89,453,073	498.4%	\$ 96,318,374	499.6%
E. Smoothed Actuarial Value of Assets	\$ 69,632,866	388.0%	\$ 73,617,739	381.8%
F. Market Value of Assets	\$ 66,010,922	367.8%	\$ 77,723,001	403.1%
G. Unfunded Actuarial Accrued Liability (C. - E.)	\$ 4,315,268	24.0%	\$ 5,713,621	29.6%
H. City Minimum Funding Payment	\$ 1,904,321	10.0% ¹	\$ 2,283,569	11.1% ²
I. Actuarial Gain / (Loss)	\$ (3,890,020)	(21.7%)	\$ (897,272)	(4.7%)
J. Unfunded Actuarial Present Value of Vested Accrued Benefits	\$ 0	0.0%	\$ 0	0.0%
K. Ratios				
1. Vested Benefit Security Ratio	109.6%	N/A	119.6%	N/A
2. Funded Ratio (Market Basis) (F. / C.)	89.3%	N/A	98.0%	N/A
3. Funded Ratio (Smoothed Basis) (E. / C.)	94.2%	N/A	92.8%	N/A

¹ Percent of expected 2024-2025 covered payroll (\$19,043,205)² Percent of expected 2025-2026 covered payroll (\$20,572,697)

Table III

**Characteristics of Members in
Actuarial Valuation as of October 1, 2024**

A. Active Plan Members Summary

1. Active Members fully vested	79
2. Active Members partially vested	62
3. Active Members non-vested	156
4. Total active Members	<u>297</u>
5. Annual rate of pay of active Members	\$ 19,280,878

B. Retired and Terminated Vested Member Summary

1. Retired or terminated vested Members receiving benefits (including DROPs)	154
2. Terminated vested Members entitled to future benefits	12
3. Deceased participants whose beneficiaries are receiving benefits	34
4. Disabled Members receiving benefits	2

C. Projected Annual Retirement Benefits

1. Retired or terminated vested receiving benefits (including DROPs)	\$ 3,543,063
2. Terminated vested Members entitled to future benefits	\$ 244,934
3. Beneficiaries of deceased Members receiving benefits	\$ 234,528
4. Disabled Members receiving benefits	\$ 17,301

Table IV

Statement of Assets as of October 1, 2024

<u>Assets</u>	<u>Market Value</u>
A. <u>Cash and Cash Equivalents</u>	\$ 1,516,519
B. <u>General Investments</u>	
1. Corporate Bonds	1,975,717
2. Pimco Global Bond Opportunities Fund	3,954,863
3. U.S. Government Securities	9,217,980
4. Equities	49,987,812
5. Certificates of Deposits	0
6. Real Estate Funds	11,179,140
C. <u>Accrued Interest</u>	77,148
D. <u>Accounts Receivable</u>	0
E. <u>Accounts Payable</u>	172,831
F. <u>Benefits / Distributions Payable</u>	0
G. <u>Pending Trades</u>	13,347
H. <u>Total Plan Assets</u> (A. + B. + C. + D. - E. - F. - G.)	\$ 77,723,001

Table V

Reconciliation of Plan Assets ¹

A. <u>Market Value of Assets as of October 1, 2023</u>	\$ 66,010,922
B. <u>Receipts During Period</u>	
1. Contributions	
(a) Employee	\$ 1,215,797
(b) City	1,354,504
(c) Total	<u>\$ 2,570,301</u>
2. Investment income	
(a) Dividends, interest and other	\$ 1,580,518
(b) Investment expenses	(304,930)
(c) Net investment income	<u>\$ 1,275,588</u>
3. Realized appreciation	1,650,243
4. Unrealized appreciation	<u>10,700,274</u>
5. Total receipts during period	<u>\$ 16,196,406</u>
C. <u>Disbursements During Period</u>	
1. Pension benefit payments and contribution refunds	\$ 3,584,822
2. DROP distributions	595,221
3. Administrative expenses	304,284
4. Total disbursements during period	<u>\$ 4,484,327</u>
D. <u>Market Value of Assets as of September 30, 2024</u>	\$ 77,723,001
E. <u>Reconciliation of DROP Account Balances</u>	
1. DROP account balances as of October 1, 2023	\$ 880,356
2. Benefit payments into DROP accounts during year	205,895
3. Investment gains / (losses) during year ²	85,315
4. Distributions from DROP accounts during year	(595,221)
5. DROP account balances as of September 30, 2024	<u>\$ 576,345</u>

¹ As reported in the City's draft financial statements.

² Based on actual fund performance.

Development of Smoothed Actuarial Value of Assets as of September 30

	2023	2024	2025	2026	2027	2028
A. Preliminary smoothed actuarial value from prior year	68,219,705	69,632,866	73,617,739			
B. Market value end of year	66,010,922	77,723,001				
C. Market value beginning of year	62,019,161	66,010,922	77,723,001			
D. Non-investment net cash flow	(1,887,960)	(1,914,026)				
E. Investment return						
1. Total market value return: B. - C. - D.	5,879,721	13,626,105				
2. Amount for immediate recognition (7.25%)	4,427,951	4,716,408				
3. Amount for phased-in recognition: E.1. - E.2.	1,451,770	8,909,697				
F. Phased-in recognition of investment return						
1. Current year: 20% of E.3.	290,354	1,781,939				
2. First prior year	(2,734,697)	290,354	1,781,939			
3. Second prior year	1,575,838	(2,734,697)	290,354	1,781,939		
4. Third prior year	269,056	1,575,838	(2,734,697)	290,354	1,781,939	
5. Fourth prior year	(527,381)	269,057	1,575,838	(2,734,699)	290,354	1,781,941
6. Total phased-in recognition of investment return	(1,126,830)	1,182,491	913,434	(662,406)	2,072,293	1,781,941
G. Total smoothed actuarial value end of year						
1. Preliminary total smoothed actuarial value end of year:						
A. + D. + E.2. + F.6.	69,632,866	73,617,739				
2. Upper corridor limit: 120% of B.	79,213,106	93,267,601				
3. Lower corridor limit: 80% of B.	52,808,738	62,178,401				
4. Total smoothed actuarial value end of year:						
G.1., not more than G.2., nor less than G.3.	69,632,866	73,617,739				
H. Difference between market value and smoothed actuarial value	(3,621,944)	4,105,262				
I. Smoothed actuarial value rate of return	4.91%	8.59%				
J. Market value rate of return	9.63%	20.95%				

Table VI

**Actuarial Gain / (Loss) for
Plan Year Ended September 30, 2024**

A. Derivation of Actuarial Gain / (Loss)

1. City normal cost previous actuarial valuation	\$ 1,484,223
2. Unfunded actuarial accrued liability previous actuarial valuation	4,315,268
3. City contributions previous year	1,354,504
4. Interest on:	
(a) City normal cost	\$ 107,606
(b) Unfunded actuarial accrued liability	312,857
(c) City contributions	49,101
(d) Net total: (a) + (b) - (c)	<u>\$ 371,362</u>
5. Expected unfunded actuarial accrued liability current year: (1. + 2. - 3. + 4.)	\$ 4,816,349
6. Actual unfunded actuarial accrued liability current year	<u>5,713,621</u>
7. Actuarial gain / (loss): (5. - 6.)	\$ (897,272)

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

1. Smoothed actuarial value of assets previous year	\$ 69,632,866
2. Contributions during period	2,570,301
3. Benefits, refunds and administrative expenses during period	4,484,327
4. Expected net appreciation for period	<u>4,978,999</u>
5. Expected smoothed actuarial value of assets current year: (1. + 2. - 3. + 4.)	\$ 72,697,839
6. Actual smoothed actuarial value of assets current year	\$ 73,617,739
7. Approximate gain / (loss) due to investments: (6. - 5.)	\$ 919,900

**C. Approximate Portion of Gain / (Loss)
due to Liabilities: A.7. - B.7.**

\$ (1,817,172)

Table VI
(Cont'd)

**Actuarial Gain / (Loss) for
Plan Year Ended September 30, 2024**

D. Amortization of Unfunded Accrued Liability

Date	Unfunded Liability	Amortization Payment
October 1, 2024	\$ 5,713,621	\$ 285,374
October 1, 2025	\$ 5,821,796	\$ 304,494
October 1, 2026	\$ 5,917,307	\$ 324,895
October 1, 2027	\$ 5,997,862	\$ 346,663
October 1, 2028	\$ 6,060,910	\$ 369,890
October 1, 2029	\$ 6,103,619	\$ 394,672
October 1, 2030	\$ 6,122,844	\$ 421,115
October 1, 2031	\$ 6,115,104	\$ 449,330
October 1, 2032	\$ 6,076,543	\$ 479,435
October 1, 2033	\$ 6,002,898	\$ 511,557
October 1, 2034	\$ 5,889,464	\$ 545,832
October 1, 2035	\$ 5,731,044	\$ 582,395
October 1, 2036	\$ 5,521,926	\$ 643,310
October 1, 2037	\$ 5,232,316	\$ 668,976
October 1, 2038	\$ 4,894,181	\$ 739,545
October 1, 2039	\$ 4,455,847	\$ 846,636
October 1, 2040	\$ 3,870,881	\$ 1,048,527
October 1, 2041	\$ 3,026,975	\$ 1,784,366
October 1, 2042	\$ 1,332,697	\$ 1,182,190
October 1, 2043	\$ 161,419	\$ 161,419
October 1, 2044	\$ 0	\$ 0

E. Covered Payroll History

Year Ended	Pensionable Payroll	Annual Increase
September 30, 2024	\$ 19,280,878	7.4%
September 30, 2023	\$ 17,948,355	17.7%
September 30, 2022	\$ 15,243,369	22.3%
September 30, 2021	\$ 12,467,417	(8.2%)
September 30, 2020	\$ 13,576,444	(0.3%)
September 30, 2019	\$ 13,621,885	6.8%
September 30, 2018	\$ 12,760,505	(1.9%)
September 30, 2017	\$ 13,003,575	2.5%
September 30, 2016	\$ 12,688,183	11.9%
September 30, 2015	\$ 11,339,923	12.0%
September 30, 2014	\$ 10,127,588	N/A

Ten-Year Average Annual Increase

6.7%

Table VII

Accounting Disclosure Exhibit

	10/01/2023	10/01/2024
I. <u>Number of Plan Members</u>		
1. Retirees and beneficiaries receiving benefits	187	190
2. Terminated plan members due deferred benefits	12	12
3. Active plan members	287	297
4. Total plan members	486	499
II. <u>Financial Accounting Standards Board Allocation</u> <u>As of October 1, 2024</u>		
A. <u>Statement of Accumulated Plan Benefits</u>		
1. Actuarial present value of accumulated vested plan benefits		
a. Participants currently receiving benefits	\$ 36,925,741	\$ 38,481,554
b. Other participants	23,304,761	26,526,177
c. Total	\$ 60,230,502	\$ 65,007,731
2. Actuarial present value of accumulated non-vested plan benefits	\$ 2,318,936	\$ 2,727,252
3. Total actuarial present value of accumulated plan benefits	\$ 62,549,438	\$ 67,734,983
B. <u>Statement of Change in Accumulated Plan Benefits</u>		
1. Actuarial present value of accumulated plan benefits as of October 1, 2023		\$ 62,549,438
2. Increase (decrease) during year attributable to:		
a. Plan amendment		\$ 0
b. Change in actuarial assumptions		0
c. Benefits paid including contribution refunds		(4,180,043)
d. Other, including benefits accumulated, increase for interest due to decrease in the discount period		9,365,588
e. Net increase		\$ 5,185,545
3. Actuarial present value of accumulated plan benefits as of October 1, 2024		\$ 67,734,983
C. <u>Significant Matters Affecting Calculations</u>		
1. Assumed rate of return used in determining actuarial present values		7.25%
2. Change in plan provisions	None affecting calculations	
3. Change in actuarial assumptions		None.

Accounting Disclosure Exhibit

III. Net Pension Liability and Related Ratios (GASB No. 67 & No. 68)

Measurement date	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	Projected 9/30/2025 **
A. Total Pension Liability (TPL)											
Service Cost	\$ 1,154,040	\$ 1,269,240	\$ 1,427,943	\$ 1,472,641	\$ 1,652,798	\$ 1,757,227	\$ 1,772,264	\$ 1,662,246	\$ 2,034,182	\$ 2,404,844	\$ 2,602,301
Interest	3,277,233	3,499,027	3,791,376	3,944,192	4,122,010	4,305,858	4,575,011	4,292,899	4,905,738	5,419,667	5,799,517
Benefit Changes	0	0	0	0	0	0	0	0	0	0	0
Difference Between Actual and Expected Experience	(189,114)	1,253,381	1,851,258	(180,469)	(1,376,405)	297,654	(399,414)	(1,656,647)	3,005,833	2,421,845	1,738,758
Assumption Changes	0	(97,983)	43,681	0	1,611,968	(661,749)	304,953	617,915	0	1,306,213	0
Benefit Payments, including Refunds of Member Contributions	(2,671,762)	(2,735,024)	(3,041,719)	(3,121,318)	(3,118,279)	(3,270,520)	(3,489,494)	(3,642,062)	(4,060,304)	(4,180,043)	(3,880,637)
Net Change in Total Pension Liability	\$ 1,570,397	\$ 3,188,641	\$ 4,072,539	\$ 2,115,046	\$ 2,892,092	\$ 2,428,470	\$ 2,763,320	\$ 1,274,351	\$ 5,885,449	\$ 7,372,526	\$ 6,259,939
Total Pension Liability (TPL) - (beginning of year)	44,029,771	45,600,168	48,788,809	52,861,348	54,976,394	57,868,486	60,296,956	63,060,276	64,334,627	70,220,076	77,592,602
Total Pension Liability (TPL) - (end of year)	\$ 45,600,168	\$ 48,788,809	\$ 52,861,348	\$ 54,976,394	\$ 57,868,486	\$ 60,296,956	\$ 63,060,276	\$ 64,334,627	\$ 70,220,076	\$ 77,592,602	\$ 83,852,541
B. Plan Fiduciary Net Position											
Contributions - City	\$ 842,957	\$ 730,895	\$ 752,506	\$ 991,645	\$ 998,882	\$ 1,149,081	\$ 1,191,439	\$ 1,133,833	\$ 1,263,192	\$ 1,354,504	\$ 1,904,321
Contributions - Member	708,253	769,999	797,975	790,420	832,985	843,592	799,120	928,271	1,065,432	1,215,797	1,156,853
Net Investment Income	555,804	3,511,656	6,120,262	5,148,560	1,577,081	5,547,341	12,343,176	(8,497,967)	5,879,721	13,626,105	5,594,182
Benefit Payments, including Refunds of Member Contributions	(2,671,762)	(2,735,024)	(3,041,719)	(3,121,318)	(3,118,279)	(3,270,520)	(3,489,494)	(3,642,062)	(4,060,304)	(4,180,043)	(3,880,637)
Administrative Expenses	(163,130)	(211,426)	(184,764)	(184,725)	(168,255)	(126,405)	(144,762)	(158,749)	(156,280)	(304,284)	(304,284)
Other	0	0	0	0	0	0	0	0	0	0	0
Net Change in Plan Fiduciary Net Position	\$ (727,878)	\$ 2,066,100	\$ 4,444,260	\$ 3,624,582	\$ 122,414	\$ 4,143,089	\$ 10,699,479	\$ (10,236,674)	\$ 3,991,761	\$ 11,712,079	\$ 4,470,435
Plan Fiduciary Net Position - (beginning of year)	47,883,789	47,155,911	49,222,011	53,666,271	57,290,853	57,413,267	61,556,356	72,255,835	62,019,161	66,010,922	77,723,001
Plan Fiduciary Net Position - (end of year)	\$ 47,155,911	\$ 49,222,011	\$ 53,666,271	\$ 57,290,853	\$ 57,413,267	\$ 61,556,356	\$ 72,255,835	\$ 62,019,161	\$ 66,010,922	\$ 77,723,001	\$ 82,193,436
C. Net Pension Liability (NPL) - (end of year): (A) - (B)	\$ (1,555,743)	\$ (433,202)	\$ (804,923)	\$ (2,314,459)	\$ 455,219	\$ (1,259,400)	\$ (9,195,559)	\$ 2,315,466	\$ 4,209,154	\$ (130,399)	\$ 1,659,105
D. Plan Fiduciary Net Position as a Percentage of TPL: (B) / (A)	103.41 %	100.89 %	101.52 %	104.21 %	99.21 %	102.09 %	114.58 %	96.40 %	94.01 %	100.17 %	98.02 %
E. Covered Payroll †	\$ 11,773,303	\$ 13,093,472	\$ 13,299,209	\$ 13,173,649	\$ 13,882,991	\$ 14,059,867	\$ 13,318,667	\$ 15,471,183	\$ 17,757,200	\$ 20,263,283	\$ 19,280,878
F. NPL as a Percentage of Covered Payroll: (C) / (E)	(13.21)%	(3.31)%	(6.05)%	(17.57)%	3.28 %	(8.96)%	(69.04)%	14.97 %	23.70 %	(0.64)%	8.60 %
G. Notes to Schedule:											
Valuation Date	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	10/1/2024
Reporting Date (GASB No. 68)	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	9/30/2026

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

See Part V, Notes to the Schedule of Contributions for assumption changes prior to September 30, 2025 measurement date.

See Table VIII, Item Q. for benefit changes for September 30, 2025 measurement date. No assumption changes for September 30, 2025 measurement date.

* As reported in City's Comprehensive Annual Financial Report

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

† Reported payroll on which contributions to the Plan are based as provided under GASB Statement No. 82.

Accounting Disclosure Exhibit

IV. Schedule of Employer Contributions (GASB No. 67 & No. 68)

Fiscal Year End (9/30)	Actuarially Determined Contribution	Actual Contribution	Contribution Deficiency (Excess)	Covered Payroll ¹	Actual Contribution as a % of Covered Payroll
2015	\$ 474,597	\$ 842,957	\$ (368,360)	\$ 11,773,303	7.16%
2016	474,597	730,895	(256,298)	13,093,472	5.58%
2017	663,635	752,506	(88,871)	13,299,209	5.66%
2018	991,645	991,645	0	13,173,649	7.53%
2019	959,703	998,882	(39,179)	13,882,991	7.20%
2020	1,139,768	1,149,081	(9,313)	14,059,867	8.17%
2021	1,191,438	1,191,439	(1)	13,318,667	8.95%
2022	1,120,871	1,133,833	(12,962)	15,471,183	7.33%
2023	1,087,283	1,263,192	(175,909)	17,757,200	7.11%
2024	1,336,782	1,354,504	(17,722)	20,263,283	6.68%
2025 ²	1,904,321	1,904,321	0	19,280,878	9.88%

¹ Reported payroll on which contributions to the Plan are based as provided under GASB Statement No. 82

² Projected - actual amounts will be available after fiscal year end

Accounting Disclosure Exhibit

V. Notes to Schedule of Contributions (GASB No. 67 & No. 68)

Valuation Date: Actuarially determined contributions are calculated as of October 1st - two year(s) prior the fiscal year end in which contributions are reported.

Methods and Assumptions Used to Determine Contribution Rates for the Fiscal Year Ending September 30, 2025:

Actuarial Cost Method	Entry Age Normal
Amortization Method	Level Percentage of Pay, Closed
Amortization Period	20 years
Asset Valuation Method	5-year smoothed market
Inflation	2.50%
Salary Increases	4.75% - 6.25%
Investment Rate of Return	7.25%
Payroll Growth Assumption	Payroll is assumed to increase at a rate equal to the historical 10-year average (6.1% as of October 1, 2023) - not less than 0.0%.
Retirement Age	Experience-based table of rates that are specific to the type of eligibility condition
Mortality	<p>For healthy participants during employment, PUB-2010 Headcount Weighted General Below Median Employee Mortality Table, separate rates for males and females, set back 1 year for males, with fully generational mortality improvements projected to each future decrement date with Scale MP-2018.</p> <p>For healthy participants post employment, PUB-2010 Headcount Weighted General Below Median Healthy Retiree Mortality Table, separate rates for males and females, set back 1 year for males, with fully generational mortality improvements projected to each future decrement date with Scale MP-2018.</p> <p>For disabled participants, PUB-2010 Headcount Weighted General Disabled Retiree Mortality Table, separate rates for males and females, both set forward 3 years, without projected mortality improvements.</p>
Cost-of-Living Increases	None.

Other Information:

Benefit Changes
None.

Accounting Disclosure Exhibit

V. Notes to Schedule of Contributions (GASB No. 67 & No. 68) (cont'd)

Assumption Changes

2023: Employee withdrawal rates, salary increase factors and retirement rates updated. 2021: Investment return assumption updated. 2020: Investment return assumption updated. 2019: Mortality assumption and investment return updated. 2018: Investment return, employee withdrawal rates, salary increase factors and retirement rates updated. 2016: Actuarial cost method and mortality assumption updated. 2015: Mortality assumption updated - first affects required contribution for fiscal year ending September 30, 2017.

VI. Discount Rate (GASB No. 67 & No. 68)

A discount rate of 7.25% was used to measure the TPL as of September 30, 2024 and the projected TPL as of September 30, 2025. This discount rate was based on the expected rate of return on Plan investments of 7.25%. 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 current contribution rates and the member contribution rate. Based on these assumptions, the pension Plan's fiduciary net position was projected to be available to make all projected future expected benefit payments of current Plan members. Therefore, the long-term expected rate of return on Plan 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 No. 67 & No. 68)

Measurement date: September 30, 2024

	1% Decrease	Current Discount Rate	1% Increase
Discount Rate	6.25%	7.25%	8.25%
NPL	\$ 8,565,287	\$ (130,399)	\$ (7,457,960)

Measurement date: September 30, 2025 *

	1% Decrease	Current Discount Rate	1% Increase
Discount Rate	6.25%	7.25%	8.25%
NPL	\$ 11,078,769	\$ 1,659,105	\$ (6,272,570)

* 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 No. 68)

Pension Expense for Fiscal Year Ending September 30, 2025 \$ 2,581,447

Summary of Outstanding Deferred Inflows and Outflows of Resources as of September 30, 2025

	Deferred Outflows of Resources	Deferred Inflows of Resources
Differences between actual and expected experience on liabilities	3,110,948	358,509
Changes of assumptions or other inputs	1,070,534	0
Net difference between projected and actual earnings on pension plan investments	0	4,105,262
Total	\$ 4,181,482	\$ 4,463,771

Projected Deferred Outflows for City Contributions to be Recognized after the Measurement Date \$ 1,904,321

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

Year Ending 30-Sep	Amount
2026	\$ 743,129
2027	2,296,238
2028	(1,539,715)
2029	(1,781,941)
2030	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 No. 68)

Measurement Date	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	Projected 9/30/2025 *
Service Cost	\$ 1,154,040	\$ 1,269,240	\$ 1,427,943	\$ 1,472,641	\$ 1,652,798	\$ 1,757,227	\$ 1,772,264	\$ 1,662,246	\$ 2,034,182	\$ 2,404,844	\$ 2,602,301
Interest on Total Pension Liability	3,277,233	3,499,027	3,791,376	3,944,192	4,122,010	4,305,858	4,575,011	4,292,899	4,905,738	5,419,667	5,799,517
Current-Period Benefit Changes	0	0	0	0	0	0	0	0	0	0	0
Contributions - Member	(708,253)	(769,999)	(797,975)	(790,420)	(832,985)	(843,592)	(799,120)	(928,271)	(1,065,432)	(1,215,797)	(1,156,853)
Projected Earnings on Plan Investments	(3,543,146)	(3,482,831)	(3,628,801)	(3,967,821)	(4,213,982)	(4,196,624)	(4,463,986)	(5,175,520)	(4,427,951)	(4,716,408)	(5,594,182)
Administrative Expenses	163,130	202,210	184,764	184,725	168,255	126,405	144,762	158,749	156,280	304,284	304,284
Other Changes in Plan Fiduciary Net Position	0	0	0	0	0	0	0	0	0	0	0
Recognition of Beginning Deferred Outflows / (Inflows) due to Liabilities	103,075	348,905	752,084	685,994	626,082	497,159	181,086	(366,967)	475,497	1,568,436	2,139,551
Recognition of Beginning Deferred Outflows / (Inflows) due to Assets	369,273	365,351	(132,941)	(369,090)	386,488	(481,124)	(2,053,042)	1,179,949	1,125,743	(1,183,579)	(913,434)
Total Pension Expense	<u>\$ 815,352</u>	<u>\$ 1,431,903</u>	<u>\$ 1,596,450</u>	<u>\$ 1,160,221</u>	<u>\$ 1,908,666</u>	<u>\$ 1,165,309</u>	<u>\$ (643,025)</u>	<u>\$ 823,085</u>	<u>\$ 3,204,057</u>	<u>\$ 2,581,447</u>	<u>\$ 3,181,184</u>

* 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 No. 68)

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

Established	Initial Balance	Initial Recognition Period	Recognition Period as of 9/30/2024	Recognition Amount for 2023 / 2024	Balance as of 9/30/2024
2018 / 2019	\$ 0	5.1	0.0	\$ 0	\$ 0
2019 / 2020	297,654	4.2	0.0	14,174	0
2020 / 2021	0	4.1	0.1	0	0
2021 / 2022	0	3.8	0.8	0	0
2022 / 2023	3,005,833	3.7	1.7	812,387	1,381,059
2023 / 2024	2,421,845	3.5	2.5	691,956	1,729,889
TOTAL				\$ 1,518,517	\$ 3,110,948

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

Established	Initial Balance	Initial Recognition Period	Recognition Period as of 9/30/2024	Recognition Amount for 2023 / 2024	Balance as of 9/30/2024
2018 / 2019	\$ (1,376,405)	5.1	0.0	\$ (26,990)	\$ 0
2019 / 2020	0	4.2	0.0	0	0
2020 / 2021	(399,414)	4.1	0.1	(97,418)	(9,742)
2021 / 2022	(1,656,647)	3.8	0.8	(435,960)	(348,767)
2022 / 2023	0	3.7	1.7	0	0
2023 / 2024	0	3.5	2.5	0	0
TOTAL				\$ (560,368)	\$ (358,509)

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

Established	Initial Balance	Initial Recognition Period	Recognition Period as of 9/30/2024	Recognition Amount for 2023 / 2024	Balance as of 9/30/2024
2018 / 2019	\$ 1,611,968	5.1	0.0	\$ 31,608	\$ 0
2019 / 2020	0	4.2	0.0	0	0
2020 / 2021	304,953	4.1	0.1	74,379	7,437
2021 / 2022	617,915	3.8	0.8	162,609	130,088
2022 / 2023	0	3.7	1.7	0	0
2023 / 2024	1,306,213	3.5	2.5	373,204	933,009
TOTAL				\$ 641,800	\$ 1,070,534

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 No. 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 9/30/2024	Recognition Amount for 2023 / 2024	Balance as of 9/30/2024
2018 / 2019	\$ 0	5.1	0.0	\$ 0	\$ 0
2019 / 2020	(661,749)	4.2	0.0	(31,513)	0
2020 / 2021	0	4.1	0.1	0	0
2021 / 2022	0	3.8	0.8	0	0
2022 / 2023	0	3.7	1.7	0	0
2023 / 2024	0	3.5	2.5	0	0
TOTAL				\$ (31,513)	\$ 0

XI. Recognition of Deferred Outflows and (Inflows) due to Assets - Measurement Date (GASB No. 68)

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

Established	Initial Balance	Initial Recognition Period	Remaining Recognition Period as of 9/30/2024	Recognition Amount for 2023 / 2024	Balance as of 9/30/2024
2019 / 2020	\$ (1,350,717)	5	0	\$ (270,145)	\$ 0
2020 / 2021	(7,879,190)	5	1	(1,575,838)	(1,575,838)
2021 / 2022	13,673,487	5	2	2,734,697	5,469,396
2022 / 2023	(1,451,770)	5	3	(290,354)	(871,062)
2023 / 2024	(8,909,697)	5	4	(1,781,939)	(7,127,758)
TOTAL				\$ (1,183,579)	\$ (4,105,262)

Outline of Principal Provisions of the Retirement Plan

A. Effective Date:

January 1, 1973, as amended through Ordinance 24-19.

B. Eligibility Requirements:

Full-time employee, other than police officers and firefighters.

C. Credited Service:

Service in completed calendar months from date of employment to the earlier of date of retirement or termination.

D. Earnable Compensation:

Base salary paid including overtime pay *pick-up* contributions, but excluding bonuses, expense allowances, unused accumulated leave time, etc.

E. Final Monthly Compensation (FMC) :

Average monthly rate of earnable compensation during the best thirty-six (36) consecutive months out of the last one hundred twenty (120) months preceding date of retirement (or termination).

F. Employee Contributions:

6% of basic annual compensation.

G. Normal Retirement:

- (1) Eligibility: The earlier of attainment of age 60 and completion of 10 years of credited service or completion of 20 years of credited service, irrespective of age. Employees participating in the plan prior to March 1, 1993 may retire fully vested at age 60 with 5 years of credited service. Employees hired on or after March 1, 1993 may retire at age 60 with 5 years of credited service but less than 10 years of credited service with reduced benefits.
- (2) Benefit: 2.5% times FMC times credited service. 1.25% times FMC times credited service for employees hired on or after March 1, 1993 with less than 10 years of credited service.

Outline of Principal Provisions of the Retirement Plan

H. Early Retirement:

- (1) Eligibility: Attainment of age 55 and completion of 10 years credited service.
- (2) Benefit: Benefit accrued to date of retirement, reduced by 1/15th for each year prior to normal retirement to reflect commencement of benefit at an earlier age.

I. Deferred Retirement:

- (1) Eligibility: Continued employment beyond normal retirement date.
- (2) Benefit: Benefit accrued at deferred retirement date based on credited service and FMC at deferred retirement date.

J. Disability Retirement:

- (1) Eligibility: Total and permanent qualifying disability. If non-service incurred, requires completion of ten (10) years of credited service.
- (2) Benefit: Benefit (payable for ten (10) years certain and life thereafter or prior recovery)

Incurred in Line-of-Duty: Greatest of (a), (b) or (c), where

- (a) is 42% of FMC as of date of disability,
 - (b) is the benefit supported by the present value of accrued benefit as of date of disability deferred to normal retirement date and
 - (c) is the benefit supported by eighteen (18) times FMC.
- Benefit under (c) shall not exceed 60% of anticipated retirement benefit.

Not Incurred in Line-of-Duty: Greater of (a) or (b), where

- (a) is the benefit supported by the present value of accrued benefit as of date of disability deferred to normal retirement date and
- (b) is the benefit supported by eighteen (18) times FMC.

Outline of Principal Provisions of the Retirement Plan

K. Survivor Benefit:

Benefit to beneficiary (payable for ten (10) years certain and life thereafter) which can be supported by the greater of A or B, where A is the single-sum value of the accrued benefit at date of death deferred to normal retirement date and B is the lesser of (i) and (ii), where (i) is 18 times FMC at date of death and (ii) is 100 times the anticipated monthly normal retirement benefit.

L. Vested Benefit Upon Termination:

(1) Eligibility:

Vesting schedule with no vesting until completion of 5 years of credited service (50%) increasing by 10% per year until 100% vesting upon completion of 10 years of credited service.

(2) Benefit at payable at Normal Retirement Date:

Benefit equal to accrued benefit based upon credited service and FMC at date of termination times vested percentage.

M. Cash Termination Benefit:

(1) Accumulated employee contributions without interest for non-vested employees.

(2) Accumulated employee contributions without interest in lieu of deferred vested benefit for vested employees.

N. Normal Form of Retirement Income:

Monthly life annuity with guaranteed return of employee contributions.

Outline of Principal Provisions of the Retirement Plan

O. Deferred Retirement Option Plan (DROP):

- (1) Eligibility: Upon meeting the eligibility for normal or early retirement.
- (2) Participation in the DROP must be exercised within the first thirty three (33) years of employment; provided, however, that participation in the DROP, when combined with participation in the retirement plan as an active member may not exceed thirty three (33) years. The maximum period of participation in the DROP is eight (8) years.
- (3) An employee's account in the DROP program shall be credited with interest based upon the actual earnings of the retirement fund.
- (4) No payment may be made from the DROP until the employee actually separates from service with the City.

P. Cost of Living Adjustment (COLA):

Effective January 1, 2006, members receiving benefits received a 2.0% *ad hoc* COLA.

Q. Changes From Previous Valuation:

Participation in the DROP was:

Participation in the DROP must be exercised within the first thirty (30) years of employment; provided, however, that participation in the DROP, when combined with participation in the retirement plan as an active member may not exceed thirty (30) years. The maximum period of participation in the DROP was five (5) years.

**Actuarial Assumptions and Actuarial Cost Methods
Used in the Valuation**

A. Mortality

For healthy participants during employment, PUB-2010 Headcount Weighted General Below Median Employee Mortality Table, separate rates for males and females, set back 1 year for males, with fully generational mortality improvements projected to each future decrement date with Scale MP-2018.

For healthy participants post employment, PUB-2010 Headcount Weighted General Below Median Healthy Retiree Mortality Table, separate rates for males and females, set back 1 year for males, with fully generational mortality improvements projected to each future decrement date with Scale MP-2018.

For disabled participants, PUB-2010 Headcount Weighted General Disabled Retiree Mortality Table, separate rates for males and females, both set forward 3 years, without projected mortality improvements.

Sample Ages (2024)	Pre-retirement Future Life Expectancy (Years)		Post-retirement Future Life Expectancy (Years)	
	Male	Female	Male	Female
55	32.91	35.32	29.03	32.73
60	28.05	30.28	24.91	28.17
62	26.15	28.30	23.28	26.33

Sample Ages (2044)	Pre-retirement Future Life Expectancy (Years)		Post-retirement Future Life Expectancy (Years)	
	Male	Female	Male	Female
55	34.55	36.80	31.05	34.50
60	29.61	31.72	26.78	29.84
62	27.68	29.71	25.08	27.96

B. Investment Return

7.25%, net of investment expenses, compounded annually - includes inflation of 2.5%.

C. Allowances for Expenses or Contingencies

Previous year's actual administrative expenses added to normal cost.

**Actuarial Assumptions and Actuarial Cost Methods
Used in the Valuation**

D. Employee Withdrawal Rates

Withdrawal rates for males and for females were used in accordance with the following illustrative example:

<u>Service</u>	<u>Withdrawal Rates</u>
0-1	28.0%
1-2	25.0%
2-3	18.0%
3-4	15.0%
4-7	12.0%
7-8	8.0%
8-10	6.0%
10+	2.0%

E. Disability Rates

Class (01) Inter-Company disability rates were used with separate rates for males and females.

50% of all disablements are assumed to be service related.

F. Marital Assumptions

100% of all active participants are assumed to be married.

Females are assumed to be three years younger than their male spouses.

G. Salary Increase Factors

Current salary was assumed to increase at a rate based on the table below per year until retirement - includes assumed wage inflation of 3.25%.

<u>Age</u>	<u>Salary Increase</u>
< 35	6.25%
35 - 59	5.75%
60 +	4.75%

**Actuarial Assumptions and Actuarial Cost Methods
Used in the Valuation**

H. Assumed Retirement Age

Rates of early retirement were used in accordance with the following table.

<u>Age</u>	<u>Retirement Rate</u>
55	10%
56 - 59	6%

Rates of normal retirement were used in accordance with the following table.

<u>Age</u>	<u>Retirement Rate</u>
55 or younger	25%
56 - 64	30%
65 - 69	50%
70 - 79	20%
80 & older	100%

However, all active members on the valuation date are assumed to have a minimum of one year of future service.

I. Payroll Growth Assumption

Payroll is assumed to increase at a rate equal to the historical 10-year average (6.7% as of October 1, 2024) - not less than 0.0%.

J. Valuation of Assets

The method used for determining the smoothed actuarial value of assets phases in the deviation between the expected and actual return on assets at the rate of 20% per year. The smoothed actuarial 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 plan assets and whose upper limit is 120% of the fair market value of plan assets.

K. Actuarial Cost Methods

Normal Retirement, Termination, Death and Disability 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 age at hire to his assumed retirement age to fund his estimated benefits, assuming the Plan had always been in effect. The normal cost for the Plan 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 Plan 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 smoothed actuarial value of assets of the Plan.

**Actuarial Assumptions and Actuarial Cost Methods
Used in the Valuation**

K. Actuarial Cost Methods (continued)

Vested Normal Retirement, Termination, Disability, and Death Benefits: Unit Credit Cost Method

Under this method, the actuarial present value of vested accrued benefits is an amount calculated to be the sum of the present values of each individual's vested accrued or earned benefit under the Plan as of the valuation date. Each individual's calculation is based on pay and service as of the valuation date.

The DROP accounts balance is included in the assets and liabilities as of the valuation date.

L. Disclosure of Assumptions

The salary increases, withdrawal and retirement rates were updated based on the most recent experience study performed for the five years ending September 30, 2022. The mortality rates are based upon the July 1, 2023 FRS Actuarial Valuation, as required under F.S., Chapter 2015-157.

M. Changes from Previous Valuation

None.

Table X

**Distribution by Attained Age and Service
Groups as of October 1, 2024**

Attained Age Group	-----COMPLETED YEARS OF SERVICE-----							Total
	0-4	5-9	10-14	15-19	20-24	25-29	30 & Over	
Under 25	7	-	-	-	-	-	-	7
25 - 29	13	4	1	-	-	-	-	18
30 - 34	25	7	1	-	-	-	-	33
35 - 39	15	6	2	4	-	-	-	27
40 - 44	18	5	5	-	-	-	-	28
45 - 49	17	8	5	7	-	-	-	37
50 - 54	23	12	3	8	8	-	-	54
55 - 59	15	4	3	9	1	1	2	35
60 - 64	16	11	8	3	2	1	-	41
65 - 69	6	3	1	2	-	-	-	12
70 - 74	1	1	1	-	-	-	-	3
75 & Over	-	1	-	-	1	-	-	2
TOTAL	156	62	30	33	12	2	2	297

	<u>10/01/2023</u>	<u>10/01/2024</u>
Average Attained Age	47.67 years	47.66 years
Average Hire Age	40.62 years	40.72 years
Average Pay	\$ 62,538	\$ 64,919
Percent Female	37.3%	37.0%

Table XI

**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 50	3	\$ 49,809	\$ 16,603
50 - 54	4	133,220	33,305
55 - 59	4	58,073	14,518
60 - 64	0	-	-
65 - 69	0	-	-
70 - 74	0	-	-
75 & Over	1	3,832	3,832
TOTAL	12	\$ 244,934	\$ 20,411

B. Receiving Benefits (including DROPs)

Current Age Group	Count	Total Annual Benefit	Average Annual Benefit
Less than 50	5	\$ 45,856	\$ 9,171
50 - 54	14	255,966	18,283
55 - 59	15	309,895	20,660
60 - 64	18	564,583	31,366
65 - 69	38	977,325	25,719
70 - 74	35	691,613	19,760
75 - 79	31	478,586	15,438
80 - 84	21	370,557	17,646
85 - 89	4	36,152	9,038
90 & Over	9	64,359	7,151
TOTAL	190	\$ 3,794,892	\$ 19,973

Reconciliation of Member Data

A. Active Participants

1. Active participants previous year	287
2. Retired during year	(5)
3. Entered DROP during year	(3)
4. Died during year	0
5. Disabled during year	0
6. Terminated refunded during year	(27)
7. Terminated not refunded during year	(7)
8. Terminated vested	(1)
9. Rehired	7
10. New active participants	46
11. Active participants current year	<u>297</u>

B. Participants Receiving Benefits

1. Participants receiving benefits previous year	179
2. New retired participants	5
3. Former DROPs receiving benefits	1
4. New terminated vested receiving benefits	0
5. New disabled receiving benefits	0
6. New beneficiaries receiving benefits	0
7. Rehired	0
8. Died or ceased payment during year	(5)
9. Retired or terminated vested receiving benefits current year	<u>180</u>

C. DROP Participants

1. DROP participants previous year	8
2. Died during year	0
3. Became disabled during year	0
4. Employment terminated and retired during year	(1)
5. Entered DROP during year	3
6. DROP participants current year	<u>10</u>

D. Terminated Vested Participants Entitled to Future Benefits

1. Terminated vested entitled previous year	12
2. Died during year	0
3. Commenced receiving benefits during year	0
4. New terminated vested	1
5. Refunded member contributions	(1)
6. Rehired	0
7. Terminated vested entitled to future benefits current year	<u>12</u>

Table XIII

Projected Retirement Benefits

Fiscal Year	Projected Total Annual Payout
2025	\$ 3,880,637
2026	\$ 4,498,547
2027	\$ 4,922,723
2028	\$ 5,325,626
2029	\$ 5,704,013
2030	\$ 6,110,686
2031	\$ 6,459,444
2032	\$ 6,799,176
2033	\$ 7,214,585
2034	\$ 7,520,022

The above projected payout of Plan benefits during the next ten years is based on assumptions involving all decrements. The actual payout may differ from the above estimated depending upon death, salary and retirement experience of the Plan. 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

Recent Compensation, Termination and Investment Return Experience

Fiscal Year	Compensation		Termination	Investment Return		
	% Increase (Decrease)	Assumed Increase	Ratio of Actual to Expected	Smoothed Actuarial Value	Market Value	Assumed Rate
2024	8.7%	5.6%	0.8	8.59%	20.95%	7.25%
2023	10.6%	4.9%	1.0	4.91%	9.63%	7.25%
2022	23.4%	4.9%	1.3	6.14%	(11.90%)	7.25%
2021	(0.6%)	5.0%	1.4	10.81%	20.32%	7.35%
2020	3.2%	4.9%	1.2	8.19%	9.77%	7.40%
2019	7.7%	4.9%	1.3	7.00%	2.79%	7.45%
2018	2.3%	4.4%	1.2	8.4%	9.7%	7.5%
2017	2.6%	4.4%	1.1	8.5%	12.6%	7.5%
2016	9.4%	4.5%	0.7	8.7%	7.5%	7.5%
2015	9.2%	4.4%	0.8	7.7%	1.2%	7.5%
Last 3 Years	14.1%	5.1%	1.0	6.54%	5.32%	7.25%
Last 5 Years	8.8%	5.1%	1.1	7.71%	9.06%	7.30%
Last 10 Years	7.5%	4.8%	1.1	7.9%	7.9%	7.4%

Table XV

Summary of Transaction Information ¹

Year Ended	Benefits Paid ²	Total Expenses	Member Contributions	City Contributions	Market Value ³
09/30/2024	\$ 4,180,043	\$ 609,214	\$ 1,215,797	\$ 1,354,504	\$ 77,723,001
09/30/2023	\$ 4,060,304	\$ 436,076	\$ 1,065,432	\$ 1,263,192	\$ 66,010,922
09/30/2022	\$ 3,642,062	\$ 479,958	\$ 928,271	\$ 1,133,833	\$ 62,019,161
09/30/2021	\$ 3,489,494	\$ 458,922	\$ 799,120	\$ 1,191,439	\$ 72,255,835
09/30/2020	\$ 3,265,476	\$ 403,786	\$ 843,592	\$ 1,149,081	\$ 61,556,356
09/30/2019	\$ 3,118,279	\$ 430,817	\$ 832,985	\$ 998,882	\$ 57,413,267
09/30/2018	\$ 3,121,318	\$ 440,625	\$ 790,420	\$ 991,645	\$ 57,290,853
09/30/2017	\$ 3,041,719	\$ 422,903	\$ 797,975	\$ 752,506	\$ 53,666,271
09/30/2016	\$ 2,735,024	\$ 435,479	\$ 769,999	\$ 730,895	\$ 49,222,011
09/30/2015	\$ 2,671,762	\$ 389,039	\$ 708,253	\$ 842,957	\$ 47,155,911
09/30/2014	\$ 2,261,393	\$ 393,806	\$ 655,206	\$ 919,864	\$ 47,883,789
09/30/2013	\$ 2,736,270	\$ 240,579	\$ 629,220	\$ 987,241	\$ 44,281,241
09/30/2012	\$ 2,324,314	\$ 267,219	\$ 610,375	\$ 879,008	\$ 39,746,668
09/30/2011	\$ 2,123,714	\$ 301,844	\$ 601,769	\$ 1,133,177	\$ 35,519,181
09/30/2010	\$ 1,933,345	\$ 312,100	\$ 612,574	\$ 1,163,828	\$ 36,586,205
09/30/2009	\$ 1,710,341	\$ 208,043	\$ 632,457	\$ 1,265,870	\$ 33,939,905
09/30/2008	\$ 1,450,151	\$ 212,667	\$ 713,251	\$ 1,331,364	\$ 31,679,524
09/30/2007	\$ 1,316,275	\$ 205,055	\$ 710,429	\$ 1,250,735	\$ 35,050,475
09/30/2006	\$ 1,380,767	\$ 185,896	\$ 661,533	\$ 1,199,176	\$ 29,866,340
09/30/2005	\$ 1,235,748	\$ 163,673	\$ 633,086	\$ 1,147,792	\$ 26,857,011
09/30/2004	\$ 1,060,839	\$ 176,274	\$ 575,902	\$ 995,293	\$ 23,582,251
09/30/2003	\$ 811,942	\$ 158,084	\$ 531,715	\$ 967,755	\$ 20,778,117
09/30/2002	\$ 772,089	\$ 165,553	\$ 511,158	\$ 860,526	\$ 17,619,387
09/30/2001	\$ 993,003	\$ 178,606	\$ 473,658	\$ 779,043	\$ 18,534,124
09/30/2000	\$ 750,178	\$ 128,816	\$ 472,597	\$ 782,111	\$ 19,303,795
09/30/1999	\$ 806,251	\$ 155,394	\$ 450,523	\$ 746,460	\$ 17,137,828
09/30/1998	\$ 608,403	\$ 120,276	\$ 422,195	\$ 1,326,594	\$ 14,411,390
09/30/1997	\$ 443,102	\$ 90,986	\$ 403,334	\$ 675,729	\$ 13,308,000
09/30/1996	\$ 402,987	\$ 87,094	\$ 377,636	\$ 631,346	\$ 10,649,000
09/30/1995	\$ 300,345	\$ 77,881	\$ 349,544	\$ 607,151	\$ 9,279,000

¹ Information prior to October 1, 2000 as reported by prior actuaries

² Effective for year ended September 30, 2013, includes DROP distributions (previously included DROP benefit payments)

³ Effective for year ended September 30, 2013, includes DROP account balances

Table XVI

City Contribution Information

Valuation Date	Contribution Fiscal Year End	Minimum Required Employer Contributions	Actual Employer Contributions Made
10/01/2024	09/30/2026	\$ 2,283,569	N/A
10/01/2023	09/30/2025	\$ 1,904,321	N/A
10/01/2022	09/30/2024	\$ 1,336,782	\$ 1,354,504
10/01/2021	09/30/2023	\$ 1,087,283	\$ 1,263,192
10/01/2020	09/30/2022	\$ 1,120,871	\$ 1,133,833
10/01/2019	09/30/2021	\$ 1,191,438	\$ 1,191,439
10/01/2018	09/30/2020	\$ 1,139,768	\$ 1,149,081
10/01/2017	09/30/2019	\$ 959,703	\$ 998,882
10/01/2016	09/30/2018	\$ 991,645	\$ 991,645
10/01/2015	09/30/2017	\$ 663,635	\$ 752,506
10/01/2014	09/30/2016	\$ 474,597	\$ 730,895
10/01/2014	09/30/2015	\$ 474,597	\$ 842,957
10/01/2013	09/30/2014	\$ 635,941	\$ 919,864
10/01/2012	09/30/2013	\$ 987,241	\$ 987,241
10/01/2011	09/30/2012	\$ 842,538	\$ 879,008
10/01/2010	09/30/2011	\$ 684,153	\$ 1,133,177
10/01/2009	09/30/2010	\$ 640,444	\$ 1,163,828
10/01/2008	09/30/2009	\$ 745,087	\$ 1,265,870
10/01/2007	09/30/2008	\$ 893,546	\$ 1,331,364
10/01/2006	09/30/2007	\$ 961,724	\$ 1,250,735
10/01/2005	09/30/2006	\$ 1,136,922	\$ 1,199,176
10/01/2004	09/30/2005	\$ 999,852	\$ 1,147,792
10/01/2003	09/30/2004	\$ 760,180	\$ 995,293
10/01/2002	09/30/2003	\$ 967,755	\$ 967,755

Actuarial Valuation as of October 1, 2024

State Required Exhibit

	10/01/2023	10/01/2024
A. <u>Member Data</u>		
1. Active Members	287	297
2. Retired Members and Beneficiaries receiving benefits (including DROPs)	185	188
3. Disabled Members receiving benefits	2	2
4. Terminated vested Members	12	12
5. Annual payroll of active Members	\$ 17,948,355	\$ 19,280,878
6. Projected annual payroll of active Members	\$ 19,043,205	\$ 20,572,697
7. Annual benefits payable to Members currently receiving benefits	\$ 3,611,252	\$ 3,794,892
B. <u>Value of Assets</u>		
1. Smoothed actuarial value of assets	\$ 69,632,866	\$ 73,617,739
2. Market value of assets	\$ 66,010,922	\$ 77,723,001
C. <u>Liabilities</u>		
1. Actuarial present value of future expected benefit payments for active members		
a. Retirement benefits	\$ 45,765,240	\$ 50,117,953
b. Termination benefits	2,707,480	3,043,883
c. Death benefits	781,997	851,561
d. Disability benefits	1,645,490	1,834,770
e. Total	\$ 50,900,207	\$ 55,848,167
2. Actuarial present value of future expected benefit payments for terminated vested members	\$ 1,263,920	\$ 1,530,601
3. Actuarial present value of future expected benefit payments for members currently receiving benefits		
a. Service retired (including DROPs)	\$ 34,459,612	\$ 36,096,767
b. Disability retired	166,140	161,926
c. Beneficiaries	2,299,989	2,222,861
d. Miscellaneous	363,205	458,052
e. Total	\$ 37,288,946	\$ 38,939,606

Table XVII
(Cont'd)

Actuarial Valuation as of October 1, 2024

State Required Exhibit

	<u>10/01/2023</u>	<u>10/01/2024</u>
4. Total actuarial present value of future expected benefit payments	\$ 89,453,073	\$ 96,318,374
5. Actuarial accrued liabilities	\$ 73,948,134	\$ 79,331,360
6. Unfunded actuarial accrued liabilities	\$ 4,315,268	\$ 5,713,621
D. <u>Statement of Accumulated Plan Benefits</u>		
1. Actuarial present value of accumulated vested benefits		
a. Participants currently receiving benefits including DROPs	\$ 36,925,741	\$ 38,481,554
b. Other participants	23,304,761	26,526,177
c. Total	<u>\$ 60,230,502</u>	<u>\$ 65,007,731</u>
2. Actuarial present value of accumulated non-vested plan benefits	<u>2,318,936</u>	<u>2,727,252</u>
3. Total actuarial present value of accumulated plan benefits	\$ 62,549,438	\$ 67,734,983
E. <u>Statement of Change in Accumulated Plan Benefits</u>		
1. Actuarial present value of accumulated plan benefits as of October 1, 2023		\$ 62,549,438
2. Increase (decrease) during year attributable to:		
a. Plan amendment		\$ 0
b. Change in actuarial assumptions		0
c. Benefits paid including contribution refunds		(4,180,043)
d. Other, including benefits accumulated and increase for interest due to decrease in the discount period		9,365,588
e. Net increase		<u>\$ 5,185,545</u>
3. Actuarial present value of accumulated plan benefits as of October 1, 2024		\$ 67,734,983

**Table XVII
(Cont'd)**

Actuarial Valuation as of October 1, 2024

State Required Exhibit

	10/01/2023	10/01/2024
F. <u>Pension Cost</u>		
1. Total normal cost	\$ 2,561,124	\$ 2,906,585
2. Payment required to amortize unfunded liability	217,297	285,374
3. Interest adjustment	97,194	111,661
4. Total preliminary required contribution	\$ 2,875,615	\$ 3,303,620
5. Total required contribution (Greater of F.1. and F.4.)	\$ 2,875,615	\$ 3,303,620
6. Item 5 as a percentage of payroll	16.0%	17.1%
7. Estimated employee contributions	\$ 1,142,592	\$ 1,234,362
8. Item 7 as a percentage of projected payroll	6.0%	6.0%
9. Net amount payable by City	\$ 1,904,321	\$ 2,283,569
10. Item 9 as a percentage of projected payroll	10.0%	11.1%
G. <u>Past Contributions</u>		
1. Total contribution required	\$ 2,552,579	\$ 3,046,913
2. Actual contributions made:		
a. Employees	\$ 1,215,797	N/A
b. City	1,354,504	N/A
c. Total	\$ 2,570,301	N/A
H. <u>Net Actuarial Gain (Loss)</u>	\$ (3,890,020)	\$ (897,272)
I. <u>Disclosure of Following Items:</u>		
1. Actuarial present value of future salaries - attained age	\$ 114,923,401	\$ 125,110,625
2. Actuarial present value of future employee contributions - attained age	\$ 6,895,404	\$ 7,506,637
3. Actuarial present value of future contributions from other sources	N/A	N/A
4. Amount of active members' accumulated contributions	\$ 5,925,893	\$ 6,365,648
5. Actuarial present value of future salaries and future benefits at entry age	N/A	N/A
6. Actuarial present value of future employee contributions at entry age	N/A	N/A

Table XVII
(Cont'd)

State Required Exhibit

	Unfunded Actuarial Accrued Liabilities	Current Unfunded Liabilities	Amortization Payment	Remaining Funding Period
10/01/2016	Method Change - Initial Unfunded	\$ (107,563)	\$ (9,219)	12 years
10/01/2016	Assumption Change	(9,779)	(838)	12 years
10/01/2017	Actuarial Loss / (Gain)	94,726	7,514	13 years
10/01/2018	Actuarial Loss / (Gain)	(1,456,473)	(107,546)	14 years
10/01/2018	Assumption Change	1,315,549	97,140	14 years
10/01/2019	Actuarial Loss / (Gain)	705,712	48,760	15 years
10/01/2019	Assumption Change	(1,020,463)	(70,506)	15 years
10/01/2020	Actuarial Loss / (Gain)	(1,226,730)	(79,662)	16 years
10/01/2020	Assumption Change	434,807	28,236	16 years
10/01/2021	Actuarial Loss / (Gain)	(4,371,254)	(267,844)	17 years
10/01/2021	Assumption Change	764,290	46,831	17 years
10/01/2022	Actuarial Loss / (Gain)	3,871,729	224,625	18 years
10/01/2023	Actuarial Loss / (Gain)	4,358,333	240,154	19 years
10/01/2023	Assumption Change	1,463,465	80,640	19 years
10/01/2024	Actuarial Loss / (Gain)	897,272	47,089	20 years
	TOTAL	\$ 5,713,621	\$ 285,374	

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.

Jennifer Borregard

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

Michelle Jones

Shelly L. Jones, A.S.A., E.A, M.A.A.A, F.C.A.
Enrollment Number: 23-08684

Dated: August 14, 2025

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 20 years, it is 19 years at the end of one year, 18 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 20-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.