City of Tampa Pension Fund for Firefighters and Police Officers

Actuarial Valuation as of October 1, 2023

Contributions Applicable to City's Plan/Fiscal Year Ending September 30, 2025





May 22, 2024

Ms. Tiffany Weber, Plan Administrator The City of Tampa Pension Fund for Firefighters and Police Officers 3001 North Boulevard Tampa, FL 33603

Re: October 1, 2023 Actuarial Valuation

Dear Tiffany:

We are pleased to present to the Board this report of the annual actuarial valuation of the City of Tampa Pension Fund for Firefighters and Police Officers. The funding valuation was performed to determine whether the assets and contributions are sufficient to provide the prescribed benefits and to develop the appropriate funding requirements for the applicable plan year. Please note that this valuation may not be applicable for any other purposes.

The valuation has been conducted in accordance with generally accepted actuarial principles and practices, including the applicable Actuarial Standards of Practice as issued by the Actuarial Standards Board, and reflects laws and regulations issued to date pursuant to the provisions of Chapters 112, 175, and 185 Florida Statutes, as well as applicable federal laws and regulations. In our opinion, the assumptions used in this valuation, as adopted by the Board of Trustees, represent reasonable expectations of anticipated plan experience. Future actuarial measurements may differ significantly from the current measurements presented in this report for a variety of reasons including: changes in applicable laws, changes in plan provisions, changes in assumptions, or plan experience differing from expectations. Due to the limited scope of this valuation, we did not perform an analysis of the potential range of such future measurements.

For determining required contributions under Florida Statutes, funded percentages and unfunded liabilities are measured on an actuarial value of assets basis. The same measurements using market value of assets would result in different funded percentages and unfunded liabilities. The funded percentage and unfunded liabilities are appropriate for assessing the need and level of future contributions but do not assess the funded status of the plan if the plan were to settle all or a portion of its liabilities.

In conducting the valuation, we have relied on personnel, plan design, and asset information supplied by the Plan Administrator, financial reports prepared by the Plan's accountant and auditor, and the actuarial assumptions and methods described in the Actuarial Assumptions section of this report. While we cannot verify the accuracy of all this information, the supplied information was reviewed for



consistency and reasonableness. As a result of this review, we have no reason to doubt the substantial accuracy of the information and believe that it has produced appropriate results. This information, along with any adjustments or modifications, is summarized in various sections of this report.

In performing the analysis, we used third-party software to model (calculate) liabilities. These results are reviewed in the aggregate and for individual sample lives. The output from the software is either used directly or input into internally developed models to generate the costs. All internally developed models are reviewed as part of the process. As a result of this review, we believe that the models have produced reasonable results. We do not believe there are any material inconsistencies among assumptions or unreasonable output produced due to the aggregation of assumptions.

In my opinion, the Minimum Required Contribution set forth in this report constitutes a reasonable actuarially determined contribution under Actuarial Standard of Practice No. 4.

The undersigned is familiar with the immediate and long-term aspects of pension valuations and meets the Qualification Standards of the American Academy of Actuaries necessary to render the actuarial opinions contained herein. All of the sections of this report are considered an integral part of the actuarial opinions.

To my knowledge, no associate of Foster & Foster, Inc. working on valuations of the program has any direct financial interest or indirect material interest in the City of Tampa, nor does anyone at Foster & Foster, Inc. act as a member of the Board of Trustees of the City of Tampa Pension Fund for Firefighters and Police Officers. Thus, there is no relationship existing that might affect our capacity to prepare and certify this actuarial report.

If there are any questions, concerns, or comments about any of the items contained in this report, please contact us at 239-433-5500.

Respectfully submitted,

Foster & Foster, Inc.

Bv:

Joseph Griffin, ASA, EA, MAAA Enrolled Actuary #23-6938

Enclosures

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Section I - Summary of Report

The regular annual actuarial valuation of the City of Tampa Pension Fund for Firefighters and Police Officers (the Plan), performed as of October 1, 2023, has been completed and the results are presented in this Report. The contribution amounts set forth herein are applicable to the City's plan/fiscal year ended September 30, 2025.

The contribution requirements, compared with those developed in the October 1, 2022 actuarial valuation report, are as follows:

| Valuation Date | 10/1/2023 | 10/1/2022 |
|---|-------------------------|-------------------------|
| Applicable Plan/Fiscal Year End | 9/30/2025 | 9/30/2024 |
| Total Required Contribution % of Total Annual Payroll | \$ 76,947,776 45.02% | \$ 73,985,124 49.17% |
| Less Estimated State Contributions ¹ % of Total Annual Payroll | \$ 10,576,096 6.19% | \$ 8,208,255 5.45% |
| Equals Required City and Member | \$ 66,371,680 | \$ 65,776,869 |
| % of Total Annual Payroll | 38.83% | 43.72% |
| Member Contribution | \$ 28,363,966 | \$ 28,109,773 |
| % of Total Annual Payroll | 16.59% | 18.68% |
| City Contribution | \$ 38,007,714 | \$ 37,667,096 |
| % of Total Annual Payroll | 22.24% | 25.04% |

¹ Represents the amount received in calendar 2023.

The required contributions are based upon Base Plan benefits only. Separate accounting of assets is maintained to support cost of living (COLA) benefits, the deferred retirement option program (DROP) and for the 13th Check Program. These other programs do not directly impact the funding for the Base Plan benefits. As requested by the Florida Division of Retirement, the DROP account balances are included in valuation assets (Actuarial and Market Value of Assets) and liabilities. The inclusion of the DROP in both valuation assets and liabilities has no impact on the unfunded liabilities or required contributions.

The required contribution less the estimated State contribution is split between the Members and the City at a ratio of 1 to 1.34. The active Members contribute based upon a graduated schedule (Full Scale Contribution Rate, FSCR) of covered pay. The Member contribution rate as a percentage of the FSCR is developed through the actuarial valuation. The City matches 134% of the Members' contributions deposited at the end of each quarter. The expected member contributions as a percentage of the FSCR is 71.03% for the fiscal year ending September 30, 2025.

Section I - Summary of Report

Investment Return Allocation

For the year ending September 30, 2023 the actual return on the total fund was \$367,404,764 and was allocated across accounts as follows:

| | Investment Return Allocation | Approximate Investment Return |
|--|---------------------------------|-------------------------------|
| Base Plan (Base) | \$ 362,219,184 | 33.17% |
| Postretirement Adjustment Account (PRAA) | 0 | |
| Base + PRAA | \$ 362,219,184 | 16.98% |
| Deferred Retirement Option Plan (DROP) | 5,185,580 | 11.64% |
| 13 th Check | 0 | |
| Total Investment Return | \$ 367,404,764 | 16.85% |

Plan Experience

For the fiscal year ending September 30, 2023 the plan experienced an overall loss of \$51.9 million which will be amortized over a period of 15 years. This resulted in an increase in the unfunded actuarial accrued liability. The primary sources of gains and losses are as follows:

Gains on the Actuarial Value of Assets

The Actuarial Value of Assets for the Base Plan including the DROP increased from \$1,384.6 million to \$1,471.7 million during the fiscal year ending September 30, 2023, reflecting an investment rate of return of 8.79% compared to the assumed rate of investment return of 8.50%. This resulted in a gain of \$6.2 million.

Losses on the Actuarial Accrued Liability

There was an overall loss on the Actuarial Accrued Liability of approximately \$57.46 million. This was primarily due to higher salary increases than expected.

Losses due to Contribution Timing

Under Florida Statutes, Plans can elect an actuarial valuation date for determining required contributions that is up to one year prior to the applicable fiscal year. This allows Plan sponsors time to adequately budget for upcoming contribution requirements, but results in year-over-year gains and losses due to the timing of contributions. Over time, these gains and losses are expected to largely offset each other. For the year ending September 30, 2023, the Plan experienced a loss of \$0.65 million due to the timing of contributions.

Section I - Summary of Report

Changes in Plan Provisions and Assumptions

There were no changes in plan provisions from the prior valuation. A complete description of the plan provisions can be found in the Summary of Plan Provisions section of this report.

There were no changes in assumptions from the prior valuation. A complete description of the actuarial assumptions and methods can be found in the Actuarial Assumptions and Methods section of this report.

Discussion of Risks

In reviewing the actuarial results contained in this report it is important to consider key risk factors that may impact the future solvency of the Plan and/or future contribution requirements. One of the most significant risks is the risk of adverse investment performance. Prolonged periods of investment performance below the assumed rate of investment return will reduce the Plan's funded status and increase contribution requirements over the long-term. The resulting increases will impact both the members' and the City's contribution requirements.

The required contributions are based upon Base Plan benefits only. Separate accounting of assets is maintained to support cost of living (COLA) benefits, the deferred retirement option program (DROP) and for the 13th Check Program. The first 5% of investment returns of the combined accounts (total Fund) is allocated to fund Base Plan benefits. Investment returns above this level are used to provide annual cost of living adjustments and 13th checks that are paid upon reaching certain requirements. Currently, a 5% allocation of the total Fund's return is projected to support the 8.5% return on investments assumed in this report. Periods of prolonged adverse investment performance can limit contributions returns that are allocated to provide funding of cost of living adjustments, causing the assets set aside for this purpose to shrink. In this scenario, the 8.5% investment return assumption may no longer be supportable, causing an increase in the amount of contributions required by members and the City to fund Base Plan benefits. Past and future cost of living adjustments are only payable as long as there are sufficient funds available in the account set aside to make COLA payments and are not funded with contributions. The study titled The City of Tampa Pension Fund for Firefighters and Police Officers Stochastic Projection Study dated December 18, 2019 provides further details

A further discussion of risks is in the Discussion of Risks section of this report.

Section II - Valuation Information Summary of Results

| Valuation Date | 0 | ctober 1, 2023 | 0 | ctober 1, 2022 |
|---|----------|--|----------|--|
| Participant Data | | | | |
| Actives Service Retirees DROP Retirees Beneficiaries Disability Retirees Terminated Vested Total Payroll Under Assumed Ret. Age | \$ | 1,448 1,485 246 343 280 39 3,841 164,350,711 | \$ | 1,456 1,456 202 344 285 22 3,765 144,687,093 |
| Projected Payroll Annual Rate of Payments to: Service Retirees DROP Retirees Beneficiaries Disability Retirees Terminated Vested | \$ | 170,924,739 74,471,020 20,326,491 6,133,538 8,883,033 660,843 | \$ | 150,474,577 71,211,220 16,423,236 5,967,422 8,777,137 419,191 |
| Unfunded Liabilities | | | | |
| Actuarial Accrued Liability Actuarial Value of Assets Unfunded Accrued Liability Funded Percentage | \$ | 1,707,453,593 1,471,725,926 235,727,667 86.2% | \$ | 1,578,038,671 1,384,593,809 193,444,862 87.7% |
| Development of Required Contribution | | | | |
| (1) Normal Cost and Administrative Expenses¹ (2) Unfunded Liability Payment¹ | \$ | 52,244,882 24,702,894 | \$ | 46,587,891 27,397,233 |
| (3) Preliminary Annual Cost (1) + (2)(4) Minimum required under Florida Statute 112.66(13)(5) Total Required Contribution max[(3), (4)] | \$ \$ | 76,947,776 52,244,882 76,947,776 | \$ \$ | 73,985,124 46,587,891 73,985,124 |
| Minimum Required Contribution by Source | Ψ | 10,541,110 | Ψ | 70,300,124 |
| Estimated Member Contributions Net City Contribution Estimated State Contributions | \$ | 28,363,966 38,007,714 10,576,096 | \$ | 28,109,773 37,667,096 8,208,255 |
| Minimum Required Contribution by Source (% of Projected | Payr | oll) | | |
| Estimated Member Contributions Net City Contribution Estimated State Contributions | | 16.59% 22.24% 6.19% | | 18.68% 25.04% 5.45% |

¹ Includes interest adjustments

Section II - Valuation Information

Summary of Results (Continued)

| October 1, 2023 | Firefighters | Police | Total |
|-------------------------------------|--------------|--------|-------|
| Participant Data by Fire and Police | | | |
| Actives | 653 | 795 | 1,448 |
| Service Retirees | 541 | 944 | 1,485 |
| DROP Retirees | 87 | 159 | 246 |
| Beneficiaries | 160 | 183 | 343 |
| Disability Retirees | 124 | 156 | 280 |
| Terminated Vested | 19 | 20 | 39 |
| Total | 1,584 | 2,257 | 3,841 |
| October 1, 2022 | Firefighters | Police | Total |
| Participant Data by Fire and Police | | | |
| Actives | 650 | 806 | 1,456 |
| Service Retirees | 542 | 914 | 1,456 |
| DROP Retirees | 69 | 133 | 202 |
| Beneficiaries | 162 | 182 | 344 |
| Disability Retirees | 126 | 159 | 285 |
| Terminated Vested | 11_ | 11_ | 22 |
| Total | 1,560 | 2,205 | 3,765 |

Section II - Valuation Information

Reconciliation of Unfunded Actuarial Accrued Liabilities

| Fiscal Year Ending | Se | eptember 30, 2023 |
|--|----------------|-------------------|
| (1) Unfunded Actuarial Accrued Liability as of Octob | per 1, 2022 \$ | 193,444,862 |
| (2) Sponsor Normal Cost | | 14,496,308 |
| (3) Administrative Expenses | | 3,390,181 |
| (4) Expected interest on (1), (2) and (3) | | 17,819,082 |
| (5) Sponsor contributions to the System during the | /ear | 43,266,250 |
| (6) Expected interest on (5) | | 1,389,332 |
| (7) Expected Unfunded Actuarial Accrued Liability a September 30, 2023 (1)+(2)+(3)+(4)-(5)-(6) | s of \$ | 184,494,851 |
| (8) Change to UAAL due to Actuarial (Gain)/Loss | | 51,232,816 |
| (9) Unfunded Actuarial Accrued Liability as of October 1, 2023 (7)+(8)+(9) | \$ | 235,727,667 |
| (10) Expected Unfunded Actuarial Accrued Liability Based on Outstanding Bases | | 183,845,573 |
| (11) Additional Actuarial (Gain) / Loss for Contributio Needed to Maintain Equation of Balance (7) - (1 | • | 649,278 |

Section II - Valuation Information

Detailed Actuarial (Gain) Loss Analysis

| Fiscal Year Ending | Sep | tember 30, 2023 |
|---|-----|-----------------|
| (1) Unfunded Actuarial Accrued Liability (UAAL) as of October 1, 2022 | \$ | 193,444,862 |
| (2) Expected UAAL as of October 1, 2023 | \$ | 183,845,573 |
| (3) Summary of Actuarial (Gain)/Loss, by component: | | |
| Investment Return (Actuarial Asset Basis) | \$ | (6,226,246) |
| Salary Increases | | 52,161,755 |
| Active Decrements | | 7,393,247 |
| Inactive Mortality | | (512,589) |
| Contribution Timing | | 649,278 |
| Other | | (1,583,351) |
| Increase in UAAL due to (Gain)/Loss | \$ | 51,882,094 |
| Assumption Changes | | 0 |
| (4) Actual UAAL as of October 1, 2023 | \$ | 235,727,667 |

Section II - Valuation Information Unfunded Liability Bases

| Type of Base | Date Established | Years Remaining | 10/1/2023 Amount | End of Year mortization Amount |
|---------------------|---------------------|--------------------|---------------------|--------------------------------------|
| Actuarial Loss | 10/1/2009 | 1 | \$ 14,128,750 | \$ 15,329,691 |
| Actuarial Gain | 10/1/2010 | 2 | (12,465,434) | (7,038,187) |
| Actuarial Loss | 10/1/2011 | 3 | 2,353,913 | 921,648 |
| Actuarial Gain | 10/1/2012 | 4 | (54,848,589) | (16,744,611) |
| Actuarial Gain | 10/1/2013 | 5 | (4,438,392) | (1,126,313) |
| Actuarial Loss | 10/1/2014 | 6 | 963,931 | 211,685 |
| Actuarial Loss | 10/1/2015 | 7 | 13,622,421 | 2,661,402 |
| Asset Method Change | 10/1/2001 | 8 | (36,153,175) | (6,411,066) |
| Actuarial Gain | 10/1/2016 | 8 | (24,362,043) | (4,320,137) |
| Actuarial Gain | 10/1/2017 | 9 | (12,411,369) | (2,028,312) |
| Change in Assump | 10/1/2003 | 10 | 5,352,526 | 815,766 |
| Benefit Improvement | 10/1/2003 | 10 | 46,089,395 | 7,024,380 |
| Actuarial Gain | 10/1/2018 | 10 | (16,844,994) | (2,567,307) |
| Actuarial Loss | 10/1/2019 | 11 | 8,734,391 | 1,253,324 |
| Actuarial Loss | 10/1/2020 | 12 | 3,781,233 | 514,826 |
| Actuarial Loss | 10/1/2021 | 13 | 7,687,311 | 999,526 |
| Actuarial Loss | 10/1/2022 | 14 | 105,547,636 | 13,176,824 |
| Change in Assump | 10/1/2008 | 15 | (6,327,991) | (762,020) |
| Change in Assump | 10/1/2011 | 18 | 10,984,527 | 1,213,025 |
| Change in Assump | 10/1/2012 | 19 | 113,275,154 | 12,222,548 |
| Benefit Improvement | 10/1/2012 | 19 | 1,645,457 | 177,548 |
| Change in Assump | 10/1/2016 | 23 | 4,774,748 | 479,251 |
| Plan Change | 10/1/2017 | 24 | 2,209,194 | 218,643 |
| Change in Assump | 10/1/2018 | 25 | 1,561,289 | 152,556 |
| Change in Assump | 10/1/2020 | 27 | 8,985,684 | 858,674 |
| Actuarial Loss | 10/1/2023 | 15 | 51,882,094 | 6,247,666 |
| | | | \$ 235,727,667 | \$ 23,481,030 |

Section II - Valuation Information Cumulative Actuarial (Gains) Losses

| Year End 9/30 | (1) Beginning Balance | (2) | (3) Amortization Payment | (4) (Gain) Loss for Year ¹ | (5) Impact of 13th Check ² | (1)+(2)-(3)+(4)-(5) Ending Balance |
|------------------|-----------------------------|-------------|--------------------------------|---|---|--|
| 2000 | \$ 0 | \$ 0 | \$ 0 | \$ 118,611,565 | N/A | \$ 118,611,565 |
| 2001 | 118,611,565 | 11,861,157 | 15,594,310 | 80,023,466 | N/A | 194,901,878 |
| 2002 | 194,901,878 | 19,490,188 | 26,115,297 | (87,420,039) | N/A | 100,856,730 |
| 2003 | 100,856,730 | 10,085,673 | 14,621,855 | (128,921,932) | (7,595,166) | (25,006,218) |
| 2004 | (25,006,218) | (2,500,622) | (1,329,433) | (32,620,807) | N/A | (58,798,214) |
| 2005 | (58,798,214) | (5,879,821) | (5,618,215) | 9,433,884 | N/A | (49,625,936) |
| 2006 | (49,625,936) | (4,962,594) | (4,377,906) | 3,662,854 | N/A | (46,547,770) |
| 2007 | (46,547,770) | (4,654,777) | (3,896,336) | 71,888,724 | N/A | 24,582,513 |
| 2008 | 24,582,513 | 2,458,251 | 5,555,146 | 125,685,458 | N/A | 147,171,076 |
| 2009 | 147,171,076 | 14,717,108 | 22,079,489 | (57,961,330) | N/A | 81,847,365 |
| 2010 | 81,847,365 | 8,184,737 | 14,459,094 | 7,622,396 | N/A | 83,195,404 |
| 2011 | 83,195,404 | 8,319,540 | 15,461,239 | (139,051,210) | N/A | (62,997,505) |
| 2012 | (62,997,505) | (5,354,788) | (2,114,704) | (9,353,164) | N/A | (75,590,753) |
| 2013 | (75,590,753) | (6,425,214) | (3,241,015) | 1,757,885 | N/A | (77,017,067) |
| 2014 | (77,017,067) | (6,546,451) | (3,029,330) | 22,100,911 | N/A | (58,433,277) |
| 2015 | (58,433,277) | (4,966,829) | (367,928) | (35,875,441) | N/A | (98,907,619) |
| 2016 | (98,907,619) | (8,407,148) | (19,779,020) | (16,843,583) | N/A | (104,379,330) |
| 2017 | (104,379,330) | (8,872,243) | (31,928,225) | ³ (21,319,524) | N/A | (102,642,872) |
| 2018 | (102,642,872) | (8,724,644) | (23,502,673) | 10,407,895 | N/A | (77,456,948) |
| 2019 | (77,456,948) | (6,583,841) | (7,077,454) | 4,275,235 | N/A | (72,688,100) |
| 2020 | (72,688,100) | (6,178,489) | (2,505,244) | 8,300,301 | N/A | (68,061,044) |
| 2021 | (68,061,044) | (5,785,189) | (2,673,048) | 109,423,465 | N/A | 38,250,280 |
| 2022 | 38,250,280 | 3,251,274 | 10,052,796 | 51,882,094 | N/A | 83,330,852 |
| 2023 | 83,330,852 | | | | | |

¹ The (Gain)/Loss for the year is calculated before allocations are made to the 13th Check Account.

² 13th Check allocation generally does not impact Base Plan gain or loss (impact at 10/1/2004 was due to outstanding make-up to Base).

³ The amortization payment reflects a correction to equal the total sum of actuarial gains and losses for the period ending 9/30/2018.

Section III - Information Required by Florida Statute

Comparative Summary of Principal Valuation Results

| Valuation Date | | October 1, 2023 | | October 1, 2022 | |
|--|----|-----------------------|----|-----------------------|--|
| A. Participant Data | | | | | |
| Actives Service Retirees DROP Retirees | | 1,448 1,485 246 | | 1,456 1,456 202 | |
| Beneficiaries | | 343 | | 344 | |
| Disability Retirees | | 280 | | 285 | |
| Terminated Vested | | 39 | | 22 | |
| Total | | 3,841 | | 3,765 | |
| Total Annual Payroll | \$ | 165,183,161 | \$ | 145,662,159 | |
| Payroll Under Assumed Ret. Age | | 164,350,711 | | 144,687,093 | |
| Projected Payroll | | 170,924,739 | | 150,474,577 | |
| Annual Rate of Payments to: | _ | | | | |
| Service Retirees | \$ | 74,471,020 | \$ | 71,211,220 | |
| DROP Retirees | | 20,326,491 | | 16,423,236 | |
| Beneficiaries | | 6,133,538 | | 5,967,422 | |
| Disability Retirees Terminated Vested | | 8,883,033 | | 8,777,137 | |
| Terminated Vested | | 660,843 | | 419,191 | |
| B. Assets | | | | | |
| Actuarial Value (AVA) ¹ | \$ | 1,471,725,926 | \$ | 1,384,593,809 | |
| Market Value (MVA) ¹ | | 1,486,932,333 | | 1,153,828,174 | |
| C. Liabilities | | | | | |
| Present Value of Benefits Actives | | | | | |
| Retirement Benefits | \$ | 788,971,618 | \$ | 708,170,966 | |
| Disability Benefits | Ψ | 81,234,130 | • | 71,214,120 | |
| Death Benefits | | 6,343,673 | | 5,590,997 | |
| Vested Benefits | | 3,574,235 | | 2,519,947 | |
| Service Retirees | | 791,158,133 | | 758,012,906 | |
| DROP Retirees ¹ | | 291,325,351 | | 234,940,404 | |
| Beneficiaries | | 53,315,508 | | 51,839,994 | |
| Disability Retirees | | 86,359,270 | | 86,817,294 | |
| Terminated Vested | | 7,046,256 | | 4,094,987 | |
| Excess State Monies Reserve | | 0 | | 0 | |
| Total | \$ | 2,109,328,174 | \$ | 1,923,201,615 | |

| Valuation Date | | ctober 1, 2023 | 0 | ctober 1, 2022 |
|---|----|----------------|----|----------------|
| C. Liabilities - (Continued) | | | | |
| Present Value of Future Salaries | \$ | 1,511,187,977 | \$ | 1,289,638,326 |
| Normal Cost (Retirement) | \$ | 35,159,188 | \$ | 30,973,809 |
| Normal Cost (Disability) | | 7,322,191 | | 6,925,379 |
| Normal Cost (Death) | | 457,099 | | 418,719 |
| Normal Cost (Vesting) | | 626,296 | | 554,811 |
| Total Normal Cost | \$ | 43,564,774 | \$ | 38,872,718 |
| Present Value of Future | | | | |
| Normal Costs | \$ | 401,874,581 | \$ | 345,162,944 |
| Accrued Liability (Retirement) | \$ | 463,502,381 | \$ | 431,506,802 |
| Accrued Liability (Disability) | | 15,089,243 | | 11,405,800 |
| Accrued Liability (Death) | | 2,157,524 | | 1,908,236 |
| Accrued Liability (Vesting) | | (2,500,073) | | (2,487,752) |
| Accrued Liability (Inactives) 1 | | 1,229,204,518 | | 1,135,705,585 |
| Excess State Monies Reserve | | 0 | | 0 |
| Total Actuarial Accrued Liability (AAL) | \$ | 1,707,453,593 | \$ | 1,578,038,671 |
| Unfunded Actuarial Accrued | | | | |
| Liability (UAAL) | \$ | 235,727,667 | \$ | 193,444,862 |
| Funded Ratio (AVA / AAL) | | 86.2% | | 87.7% |

| Valuation Date | 0 | ctober 1, 2023 | October 1, 2022 |
|---|----|----------------|------------------|
| D. Actuarial Present Value of Accrued Benefits | | | |
| Vested Accrued Benefits | | | |
| Inactives ¹ | \$ | 1,229,204,518 | \$ 1,135,705,585 |
| Actives | | 192,045,495 | 198,383,643 |
| Member Contributions | | 131,771,978 | 127,520,870 |
| Total | | 1,553,021,991 | 1,461,610,098 |
| Non-vested Accrued Benefits | \$ | 34,231,410 | \$ 30,253,282 |
| Total Present Value | | | |
| Accrued Benefits (PVAB) | \$ | 1,587,253,401 | \$ 1,491,863,380 |
| Funded Ratio (MVA / PVAB) | | 93.7% | 77.3% |
| Increase (Decrease) in Present Value | of | | |
| Accrued Benefits Attributable to: | | | |
| Plan Amendments | \$ | 0 | |
| Assumption Changes | | 0 | |
| New Accrued Benefits | | 74,385,512 | |
| Benefits Paid | | (101,490,531) | |
| Interest | | 122,495,040 | |
| Other | | 0 | |
| Total | \$ | 95,390,021 | |

| Valuation Date Applicable to Fiscal Year Ending | | tober 1, 2023 ember 30, 2025 | October 1, 2022 September 30, 2024 | | |
|--|-----|---------------------------------|---------------------------------------|----------------------|--|
| E. Pension Cost | | | | | |
| Normal Cost (with interest) % of Total Annual Payroll ² | \$ | 49,727,416 29.09% | \$ | 44,371,625 29.49% | |
| Administrative Expenses (with interest) % of Total Annual Payroll ² | \$ | 2,517,466 1.47% | \$ | 2,216,266 1.47% | |
| Payment Required to Amortize Unfunded Actuarial Accrued | | | | | |
| (as of 10/1/2023, with interest) % of Total Annual Payroll ² | \$ | 24,702,894 14.45% | \$ | 27,397,233 18.21% | |
| Total Required Contribution % of Total Annual Payroll ² | \$ | 76,947,776 45.02% | \$ | 73,985,124 49.17% | |
| Expected State Contributions % of Total Annual Payroll ² | \$ | 10,576,096 6.19% | \$ | 8,208,255 5.45% | |
| Expected Member Contributions % of Total Annual Payroll ² | \$ | 28,363,966 16.59% | \$ | 28,109,773 18.68% | |
| Expected City Contribution % of Total Annual Payroll ² | \$ | 38,007,714 22.24% | \$ | 37,667,096 25.04% | |
| F. Past Contributions | | | | | |
| Plan Year Ending | Sep | tember 30, 2023 | | | |
| Total Required Contribution City and State Requirement | \$ | 67,642,660 43,266,250 | | | |
| Actual Contributions Made: | | | | | |
| Members (excluding buyback) | \$ | 24,376,410 | | | |
| City State | | 32,690,154 10,576,096 | | | |
| Total | \$ | 67,642,660 | | | |
| G. Net Actuarial (Gain)/Loss | \$ | 51,882,094 | | | |

¹ The asset values and liabilities include accumulated DROP Plan Balances as of 9/30/2023 and 9/30/2022.

² Contributions developed as of 10/1/2023 are expressed as a percentage of projected payroll of \$170,924,739.

H. Schedule Illustrating the Amortization of the Total Unfunded Actuarial Accrued Liability as of:

| | Projected Unfunded |
|------|-----------------------------|
| Year | Actuarial Accrued Liability |
| 2023 | \$ 235,727,667 |
| 2024 | 232,283,491 |
| 2030 | 224,124,993 |
| 2032 | 192,095,333 |
| 2039 | 44,422,151 |
| 2046 | 3,284,429 |
| 2053 | 0 |

I. (i) 5 Year Comparison of Actual and Assumed Salary Increases

| | | Actual | Assumed |
|------------|-----------|--------|---------|
| Year Ended | 9/30/2023 | 20.34% | 6.27% |
| Year Ended | 9/30/2022 | 5.66% | 6.38% |
| Year Ended | 9/30/2021 | 8.98% | 6.31% |
| Year Ended | 9/30/2020 | 10.35% | 6.60% |
| Year Ended | 9/30/2019 | 8.48% | 6.35% |

(ii) 5 Year Comparison of Investment Return on Market Value and Actuarial Value

| | | | Market | Actuarial | Assumed |
|-------------------|-------------|-----------|-----------|-----------|---------------|
| Year | Ended | 9/30/2023 | 33.17% | 8.79% | 8.50% |
| Year | Ended | 9/30/2022 | -15.67% | -0.17% | 8.50% |
| Year | Ended | 9/30/2021 | 8.95% | 8.06% | 8.50% |
| Year | Ended | 9/30/2020 | 10.61% | 9.81% | 8.50% |
| Year | Ended | 9/30/2019 | 6.75% | 7.71% | 8.50% |
| (iii) Average Ann | ual Payroll | Growth | | | |
| (a) Pay | roll as of: | | 10/1/2023 | | \$165,183,161 |
| | | | 10/1/2013 | | 94,874,859 |
| (b) Tota | al Increase | | | | 74.11% |
| (c) Nun | nber of Yea | rs | | | 10.00 |
| (d) Ave | rage Annua | ıl Rate | | | 5.70% |

Section III – Information Required by Florida Statute Statement by Enrolled Actuary

This actuarial valuation was prepared and completed by me or under my direct supervision, and I acknowledge responsibility for the results. To the best of my knowledge, the results are complete and accurate, and in my 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 otherwise taken into account in the valuation. All known events or trends which may require a material increase in plan costs or required contribution rates have been taken into account in the valuation.

Joseph L. Griffin, EA, ASA, MAAA

Enrolled Actuary #23-6938

Please let us know when the report is approved by the Board and unless otherwise directed we will provide copies of the report to the following offices to comply with Chapter 112 Florida Statutes:

Mr. Keith Brinkman
Bureau of Local
Retirement Systems
Post Office Box 9000
Tallahassee, FL 32315-9000

Mr. Steve Bardin
Municipal Police and Fire
Pension Trust Funds
Division of Retirement
Post Office Box 3010
Tallahassee, FL 32315-3010

Section IV -Valuation Assets

Reconciliation of Market Value (Base Plus DROP Accounts)

| Fiscal Year Ending | S | eptember 30, 2023 | S | September 30, 2022 | |
|---|----|-------------------|----|--------------------|--|
| Beginning of the Year Including DROP Accounts | \$ | 1,153,828,174 | \$ | 1,405,607,880 | |
| DROP Accounts | | (42,201,048) | | (43,633,350) | |
| Adjustments | | (2) | | 11 | |
| Beginning of the Year Excluding DROP | \$ | 1,111,627,124 | \$ | 1,361,974,541 | |
| Contributions: | | | | | |
| Member (including service buybacks) | \$ | 26,271,048 | \$ | 24,023,958 | |
| City | | 32,690,154 | | 28,053,252 | |
| State | | 10,576,096 | | 8,208,255 | |
| Total Contributions | \$ | 69,537,298 | \$ | 60,285,465 | |
| Investment Income: | | | | | |
| Investment Income Allocation | \$ | 368,269,281 | \$ | (203,482,481) | |
| Investment Expenses ¹ | | (6,050,097) | | (6,799,829) | |
| Net Investment Income | \$ | 362,219,184 | \$ | (210,282,310) | |
| Distributions to Members: | | | | | |
| Base Benefits | \$ | (87,970,587) | \$ | (84,008,181) | |
| Benefit Payments to DROP Accounts | | (16,793,484) | | (14,411,415) | |
| Refunds of Member Contributions | | (391,202) | | (124,655) | |
| Total Distributions | \$ | (105,155,273) | \$ | (98,544,251) | |
| Administrative Expenses | \$ | (3,390,181) | \$ | (1,806,319) | |
| End of Year | \$ | 1,434,838,152 | \$ | 1,111,627,126 | |
| DROP Accounts | | 52,094,181 | | 42,201,048 | |
| End of the Year Including DROP Accounts | \$ | 1,486,932,333 | \$ | 1,153,828,174 | |
| Estimated Return | | 33.17% | | -15.67% | |

¹ Investment related expenses include investment advisory, custodial and performance monitoring fees.

Section IV - Valuation Assets

Actuarial Value of Assets

| Fiscal Year Ending | | September 30, 2023 | S | eptember 30, 2022 |
|--|---------|--------------------|----------|-------------------|
| Actuarial Value of Assets Beginning of Year | _ | | _ | |
| a. Actuarial Value of Assets (AVA) | \$ | 1,384,593,809 | \$ | 1,428,389,385 |
| b. DROP Accounts | | 42,201,048 | | 43,633,350 |
| c. AVA net of DROP Accounts (1.a 1.b.) | \$ | 1,342,392,761 | \$ | 1,384,756,035 |
| 2. Net Cash Flow Base Account: | | | | |
| a. Contributions | \$ | 69,537,298 | \$ | 60,285,465 |
| b. Benefit Payments | | (105,155,273) | | (98,544,251) |
| c. Administrative Expenses | | (3,390,181) | | (1,806,319) |
| d. Total (2.a. + 2.b. + 2.c.) | \$ | (39,008,156) | \$ | (40,065,105) |
| 3. Projected Investment Return | | | | |
| a. Expected Return (8.50% x 1.c. + 4.25% x 2.d.) | \$ | 112,445,538 | \$ | 116,001,496 |
| 4. Expected Actuarial Value of Assets (1.c. + 2.d. + 3.a.) | \$ | 1,415,830,143 | \$ | 1,460,692,426 |
| 5. Market Value of Assets (MVA) Base Account | \$ | 1,434,838,152 | \$ | 1,111,627,126 |
| 6. Gain (Loss) (5 4.) | \$ | 19,008,009 | \$ | (349,065,300) |
| 7. 20% Adjustment toward Market Value (20% X 6.) | \$ | 3,801,602 | \$ | (69,813,060) |
| 8. Preliminary Actuarial Value of Assets | | | | |
| a. Preliminary AVA net of DROP Accounts (4. + 7.) | \$ | 1,419,631,745 | \$ | 1,390,879,366 |
| b. DROP Accounts | Ψ | 52,094,181 | Ψ | 42,201,048 |
| c. Preliminary Actuarial Value of Assets (8.a. + 8.b.) | \$ | 1,471,725,926 | \$ | 1,433,080,414 |
| Actuarial Value of Assets Corridor | | | | |
| a. MVA Base Account | \$ | 1,434,838,152 | \$ | 1,111,627,126 |
| b. DROP Accounts | φ | 52,094,181 | Ψ | 42,201,048 |
| c. MVA Base plus DROP Accounts (9.a. + 9.b.) | \$ | 1,486,932,333 | \$ | 1,153,828,174 |
| d. 80% of MVA Base plus DROP Accounts (80% X 9.c.) | \$ | 1,189,545,866 | \$ | 923,062,539 |
| e. 120% of MVA Base plus DROP Accounts (120% 9.c.) | φ \$ | 1,784,318,800 | \$ \$ | 1,384,593,809 |
| e. 120% of MVA base plus DNOF Accounts (120% 9.c.) | φ | 1,764,316,600 | φ | 1,364,393,609 |
| 10. Actuarial Value of Assets End of Year | \$ | 1,471,725,926 | \$ | 1,384,593,809 |
| (8.c not less than 9.d., not more than 9.e.) | | | | |
| 11. Estimated Return | | 8.79% | | -0.17% |

Section IV - Valuation Assets

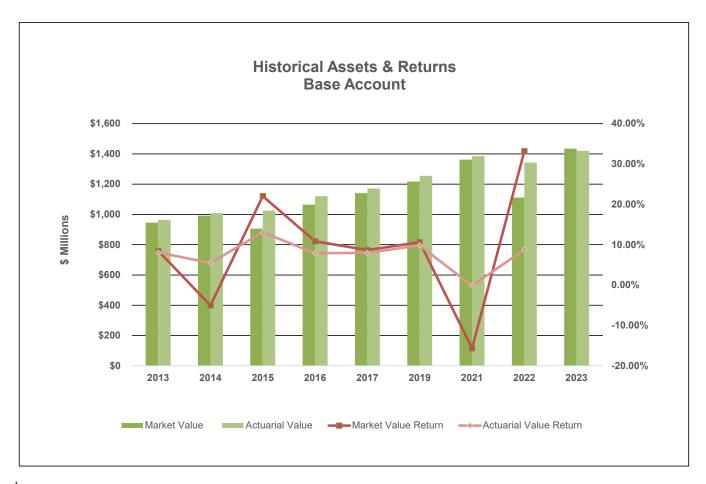
Make-Up to Base Plan of Prior Cumulative Investment Returns Below 5%

| Plan Year Ending 9/30 | Market Value of Base Plan Assets (BOY) | Market Value of PRAA Assets (BOY) | Market Value of Base + PRAA Assets (BOY) | Contributions | Benefits and Expenses | Re | Expected 5% turn Allocation o Base Plan | Actual Return Allocation to Base Plan | Base Plan (Shortfall)/Makeup Payment in Year | Cumulative Makeup Payment |
|--------------------------|--|---|--|---------------|-----------------------|----|---|---|--|------------------------------|
| 2008 | \$ 719,097,961 | \$ 934,239,630 | \$ 1,653,337,591 | \$ 12,569,135 | \$ 65,614,562 | \$ | 81,340,744 | \$ (100,511,234) | \$ (181,851,978) | \$ (181,851,978) |
| 2009 | 584,699,200 | 784,499,273 | 1,369,198,473 | 13,973,973 | 70,619,460 | | 67,043,786 | (30,140,703) | (97,184,489) | (279,036,467) |
| 2010 | 518,870,559 | 723,101,511 | 1,241,972,070 | 21,778,015 | 76,558,537 | | 60,729,091 | 150,761,191 | 90,032,100 | (189,004,367) |
| 2011 | 636,967,389 | 700,985,350 | 1,337,952,739 | 37,250,280 | 84,536,461 | | 65,715,482 | 25,825,808 | (39,889,674) | (228,894,041) |
| 2012 | 638,032,360 | 678,612,090 | 1,316,644,450 | 37,406,332 | 87,719,948 | | 64,574,382 | 278,826,704 | 214,252,322 | (14,641,719) |
| 2013 | 886,637,394 | 655,137,559 | 1,541,774,953 | 38,954,110 | 91,346,894 | | 75,778,928 | 90,420,647 | 14,641,719 | 0 |
| 2014 | 945,570,541 | 753,555,435 | 1,699,125,976 | 37,642,185 | 96,556,356 | | 83,483,445 | 83,483,445 | 0 | 0 |
| 2015 | 992,031,914 | 834,278,107 | 1,826,310,021 | 37,606,152 | 102,227,716 | | 89,699,962 | (48,964,256) | (138,664,218) | (138,664,218) |
| 2016 | 906,395,662 | 765,491,752 | 1,671,887,414 | 40,513,871 | 105,785,118 | | 81,962,590 | 195,443,874 | 113,481,284 | (25,182,934) |
| 2017 | 1,065,100,339 | 737,048,253 | 1,802,148,592 | 44,620,372 | 110,204,885 | | 88,443,679 | 113,626,613 | 25,182,934 | 0 |
| 2018 | 1,141,801,711 | 837,853,199 | 1,979,654,910 | 35,507,355 | 112,650,447 | | 97,023,168 | 97,023,168 | 0 | 0 |
| 2019 | 1,190,921,923 | 904,475,594 | 2,095,397,517 | 36,295,936 | 119,088,301 | | 102,668,650 | 78,653,411 | (24,015,239) | (24,015,239) |
| 2020 | 1,217,244,806 | 873,385,413 | 2,090,630,219 | 39,726,517 | 124,971,199 | | 102,400,394 | 126,415,633 | 24,015,239 | 0 |
| 2021 | 1,291,532,072 | 1,020,181,988 | 2,311,714,060 | 53,384,969 | 130,702,279 | | 113,652,770 | 113,652,770 | 0 | 0 |
| 2022 | 1,361,974,530 | 1,298,784,158 | 2,660,758,688 | 60,285,465 | 136,782,513 | | 131,125,508 | (210,282,310) | (341,407,818) | (341,407,818) |
| 2023 | 1,111,627,126 | 1,061,800,701 | 2,173,427,827 | 69,537,298 | 150,058,288 | | 106,658,367 | 362,219,184 | 255,560,817 | (85,847,001) |
| 2024 | 1,434,838,152 | 1,020,287,867 | 2,455,126,019 | | | | | | | |

In accordance with Policy #713, negative returns are allocated to the Base/PRAA accounts proportionately based on the relative size of each account as of the prior September 30th.

Section IV - Valuation Assets
Historical Asset Values and Estimated Investment Returns

| Plan Year | Market Value | Actuarial Value | Benefit | Admin. | | Market Value | Actuarial Value |
|-----------|----------------|-----------------|-----------------------|--------------|---------------|-----------------|--------------------|
| Beginning | (Base Account) | (Base Account) | Payments ¹ | Expenses | Contributions | Return | Return |
| 2013 | \$ 945,571,129 | \$ 964,408,155 | \$ 68,587,881 | \$ 1,372,155 | \$ 37,642,185 | 8.48% | 8.06% |
| 2014 | 992,031,914 | 1,008,559,574 | 73,029,199 | 1,590,078 | 37,606,152 | -5.04% | 5.51% |
| 2015 | 905,996,890 | 1,026,053,299 | 75,833,310 | 1,508,309 | 40,513,871 | 22.02% | 13.08% |
| 2016 | 1,064,613,016 | 1,121,043,318 | 79,978,320 | 1,704,527 | 44,620,372 | 10.86% | 7.89% |
| 2017 | 1,141,181,713 | 1,170,938,834 | 81,777,257 | 1,641,400 | 35,507,355 | 8.68% | 7.98% |
| 2018 | 1,190,293,579 | 1,214,601,267 | 84,742,597 | 3,255,523 | 36,295,936 | 6.75% | 7.71% |
| 2019 | 1,217,244,810 | 1,254,603,240 | 89,258,658 | 2,595,627 | 39,726,517 | 10.61% | 9.81% |
| 2020 | 1,291,532,675 | 1,323,039,780 | 94,116,949 | 2,478,332 | 53,384,969 | 8.95% | 8.06% |
| 2021 | 1,361,974,530 | 1,384,756,035 | 98,544,251 | 1,806,319 | 60,285,465 | -15.67% | -0.17% |
| 2022 | 1,111,627,126 | 1,342,392,761 | 105,155,273 | 3,390,181 | 69,537,298 | 33.17% | 8.79% |
| 2023 | 1,434,838,152 | 1,419,631,745 | | | | | |



¹ Including contribution refunds and DROP payments.

Section IV - Valuation Assets History of Premium Tax Refunds

| Received During Fiscal Year | Amount | Increase from Previous Year |
|--------------------------------|--------------|--------------------------------|
| 1998 | \$ 3,634,366 | |
| 1999 | 3,610,199 | -0.7% |
| 2000 | 3,691,781 | 2.3% |
| 2001 | 3,746,066 | 1.5% |
| 2002 | 4,412,734 | 17.8% |
| 2003 | 4,730,035 | 7.2% |
| 2004 | 5,296,818 | 12.0% |
| 2005 | 5,603,183 | 5.8% |
| 2006 | 6,124,850 | 9.3% |
| 2007 | 6,686,519 | 9.2% |
| 2008 | 6,894,687 | 3.1% |
| 2009 | 6,394,195 | -7.3% |
| 2010 | 6,255,071 | -2.2% |
| 2011 | 5,952,176 | -4.8% |
| 2012 | 6,083,651 | 2.2% |
| 2013 | 6,191,857 | 1.8% |
| 2014 | 6,392,430 | 3.2% |
| 2015 | 6,484,726 | 1.4% |
| 2016 | 6,483,330 | 0.0% |
| 2017 | 6,442,998 | -0.6% |
| 2018 | 6,760,704 | 4.9% |
| 2019 | 7,008,388 | 3.7% |
| 2020 | 7,381,021 | 5.3% |
| 2021 | 7,778,059 | 5.4% |
| 2022 | 8,208,255 | 5.5% |
| 2023 | 10,576,096 | 28.8% |

Section IV - Valuation Assets Excess State Money Reserve

| Year | Actual State Contribution | Applicable "Frozen" Amount | Excess State Monies Reserv | |
|-----------|------------------------------|-------------------------------|-------------------------------|-------------|
| 2000 | \$ 3,691,781 | \$ 3,685,212 | \$ | 6,569 |
| 2001 | 3,746,066 | 3,685,212 | | 60,854 |
| 2002 | 4,412,734 | 3,685,212 | | 727,522 |
| 2003 | 4,730,035 | 3,965,135 | | 764,900 |
| 2004 | 5,296,818 | 13,304,741 | | 0 |
| 2005 | 5,603,183 | 13,304,741 | | 0 |
| 2006 | 6,124,850 | 13,304,741 | | 0 |
| 2007 | 6,686,519 | 13,304,741 | | 0 |
| 2008 | 6,894,687 | 13,304,741 | | 0 |
| 2009 | 6,394,195 | 13,304,741 | | 0 |
| 2010 | 6,255,071 | 13,304,741 | | 0 |
| 2011 | 5,952,176 | 13,304,741 | | 0 |
| 2012 | 6,083,651 | 13,304,741 | | 0 |
| 2013 | 6,191,857 | 13,304,741 | | 0 |
| 2014 | 6,392,430 | 13,304,741 | | 0 |
| 2015 | 6,484,726 | 13,304,741 | | 0 |
| 2016 | 6,483,330 | 13,304,741 | | 0 |
| 2017 | 6,442,998 | 13,304,741 | | 0 |
| 2018 | 6,760,704 | 13,565,066 | | 0 |
| 2019 | 7,008,388 | 13,565,066 | | 0 |
| 2020 | 7,381,021 | 13,565,066 | | 0 |
| 2021 | 7,778,059 | 13,565,066 | | 0 |
| 2022 | 8,208,255 | 13,565,066 | | 0 |
| 2023 | 10,576,096 | 13,565,066 | | 0 |
| | | | \$ | 1,559,845 |
| Accumula | ated Regular Excess | | \$ | 1,559,845 |
| Accumula | ated Special Excess | | | 0 |
| Total Exc | ess State Monies | | \$ | 1,559,845 |
| Less Amo | ount Allocated as City Con | tributions | | (1,559,845) |
| Less Amo | ount Allocated to Share Pla | an | | 0 |
| Equals C | urrent State Monies Reser | ve | \$ | 0 |

Section V - Fund Allocations

Market Value by Investment Type (Base, DROP, PRAA, 13th Check, and Staff Pension Plan)

| Valuation Date | | ctober 1, 2023 | October 1, 2022 | | |
|---|----------------|---|-----------------|---|--|
| Cash and Cash Equivalents Cash (0.0%) Money Market (1.2%) | \$ | 284,878 30,698,249 | \$ | 225,884 26,502,502 | |
| U.S. Treasury Bills (1.3%) Commercial Paper (0.2%) | | 33,449,483 4,890,262 | | 17,868,352 29,790,852 | |
| Total Cash and Cash Equivalents (2.7%) | \$ | 69,322,872 | \$ | 74,387,590 | |
| Fixed Income Government Securities (2.2%) Corporate Bonds (9.4%) | | 55,440,953 235,375,342 | | 41,747,347 235,971,199 | |
| Total Fixed Income (11.6%) | \$ | 290,816,295 | \$ | 277,718,546 | |
| Stocks Common Stocks (76.3%) Preferred Stocks (0.2%) Total Stocks (76.5%) | \$ | 1,915,508,702 4,080,000 1,919,588,702 | \$ | 1,616,304,331 3,964,400 1,620,268,731 | |
| Ventures Partnerships (3.9%) Real Estate (5.1%) | | 99,029,150 127,762,495 | | 112,111,925 131,207,848 | |
| Total Ventures (9.0%) | \$ | 226,791,645 | \$ | 243,319,773 | |
| Capital Assets (0.2%) | \$ | 4,444,616 | \$ | 4,198,123 | |
| Total | \$ | 2,510,964,130 | \$ | 2,219,892,763 | |
| Receivables Payables | | 17,500,830 (18,983,180) | | 9,612,784 (11,984,514) | |
| Total (Position Restricted for Pensions) | \$ | 2,509,481,780 | \$ | 2,217,521,033 | |

Section V - Fund Allocations

Reconciliation of Market Value (Base, DROP, PRAA, 13th Check, and Staff Pension Plan)

| Fiscal Year Ending | September 30, 2023 | | September 30, 2022 | |
|---|--------------------|---------------|--------------------|---------------|
| Beginning of the Year | \$ | 2,217,521,033 | \$ | 2,732,971,464 |
| Contributions: | | | | |
| Member (including service buybacks) | \$ | 26,271,048 | \$ | 24,023,958 |
| City | · | 32,690,154 | · | 28,053,252 |
| State | | 10,576,096 | | 8,208,255 |
| Total Contributions: | \$ | 69,537,298 | \$ | 60,285,465 |
| Investment Income: | | | | |
| Net Increase in Fair Value of Investments | \$ | 324,274,143 | \$ | (455,305,204) |
| Interest & Dividends | | 49,180,718 | | 45,819,220 |
| Less Investment Expense ¹ | | (6,050,097) | | (6,799,829) |
| Net Investment Income | \$ | 367,404,764 | \$ | (416,285,813) |
| Distributions to Members: | | | | |
| Benefit Payments | \$ | (87,970,587) | \$ | (84,008,181) |
| Lump Sum DROP Distributions | | (13,128,742) | | (12,372,660) |
| COLA Payments from PRAA | | (40,396,991) | | (35,872,377) |
| 13th Check Benefit Payments | | (29,817) | | (25,041,413) |
| Refunds of Member Contributions | | (391,202) | | (124,655) |
| Total Distributions | \$ | (141,917,339) | \$ | (157,419,286) |
| Administrative Expenses | | (3,063,976) | | (2,030,797) |
| End of Year | \$ | 2,509,481,780 | \$ | 2,217,521,033 |
| Estimated Return | | 16.85% | | -15.51% |

¹Investment related expenses include investment advisory, custodial and performance monitoring fees.

Section V - Fund Allocations Reconciliation of Market Value (Base Account)

| Fiscal Year Ending | ar Ending September 30, 2023 | | | |
|-------------------------------------|------------------------------|---------------|----|---------------|
| Beginning of the Year | \$ | 1,111,627,126 | \$ | 1,361,974,530 |
| Adjustments | | (2) | | 11 |
| Beginning of the Year | \$ | 1,111,627,124 | \$ | 1,361,974,541 |
| Contributions: | | | | |
| Member (including service buybacks) | \$ | 26,271,048 | \$ | 24,023,958 |
| City | | 32,690,154 | | 28,053,252 |
| State | | 10,576,096 | | 8,208,255 |
| Total Contributions | \$ | 69,537,298 | \$ | 60,285,465 |
| Investment Income: | | | | |
| Investment Income Allocation | \$ | 368,269,281 | \$ | (203,482,481) |
| Investment Expenses ¹ | | (6,050,097) | | (6,799,829) |
| Net Investment Income | \$ | 362,219,184 | \$ | (210,282,310) |
| Distributions to Members: | | | | |
| Base Benefits | \$ | (87,970,587) | \$ | (84,008,181) |
| Benefit Payments to DROP Accounts | | (16,793,484) | | (14,411,415) |
| Refunds of Member Contributions | | (391,202) | | (124,655) |
| Total Distributions | \$ | (105,155,273) | \$ | (98,544,251) |
| Administrative Expenses | \$ | (3,390,181) | \$ | (1,806,319) |
| End of Year | \$ | 1,434,838,152 | \$ | 1,111,627,126 |
| Estimated Return | | 33.17% | | -15.67% |

¹Investment related expenses include investment advisory, custodial and performance monitoring fees.

Section V - Fund Allocations Reconciliation of Market Value (DROP Accounts)

| Fiscal Year Ending | Sej | otember 30, 2023 | Sej | otember 30, 2022 |
|------------------------------|-----|------------------|-----|------------------|
| Beginning of the Year | \$ | 42,201,048 | \$ | 43,633,350 |
| Adjustment | | 2 | | (11) |
| Beginning of the Year | \$ | 42,201,050 | \$ | 43,633,339 |
| Contributions: | | | | |
| Base Benefits | \$ | 16,793,484 | \$ | 14,411,415 |
| COLA Benefits | | 1,115,843 | | 559,566 |
| 13th Check Benefits | | 0 | | 1,497,476 |
| Total Contributions | \$ | 17,909,327 | \$ | 16,468,457 |
| Investment Income Allocation | \$ | 5,185,580 | \$ | (5,451,989) |
| Distributions to Members | \$ | (13,128,742) | \$ | (12,372,660) |
| Administrative Expenses | \$ | (73,034) | \$ | (76,099) |
| End of Year | \$ | 52,094,181 | \$ | 42,201,048 |
| Estimated Return | | 11.64% | | -11.94% |

Section V - Fund Allocations

Reconciliation of Market Value (PRAA Account)

| Fiscal Year Ending | S | eptember 30, 2023 | S | September 30, 2022 | | |
|--------------------------------|----|-------------------|----|--------------------|--|--|
| Beginning of the Year | \$ | 1,061,800,701 | \$ | 1,298,784,158 | | |
| Investment Income Allocation | \$ | 0 | \$ | (200,551,514) | | |
| Distributions to Members: | | | | | | |
| COLA Benefits | \$ | (40,396,991) | \$ | (35,872,377) | | |
| COLA Payments to DROP Accounts | | (1,115,843) | | (559,566) | | |
| Total Distributions | \$ | (41,512,834) | \$ | (36,431,943) | | |
| End of Year | \$ | 1,020,287,867 | \$ | 1,061,800,701 | | |
| Estimated Return | | 0.00% | | -15.66% | | |

Section V - Fund Allocations

Reconciliation of Market Value (13th Check Account)

| Fiscal Year Ending | Sept | ember 30, 2023 | Se | ptember 30, 2022 |
|--------------------------------------|------|----------------|----|------------------|
| Beginning of the Year | \$ | 271,931 | \$ | 26,810,820 |
| Investment Income Allocation | \$ | 0 | \$ | 0 |
| Distributions to Members: | | | | |
| 13th Check Benefits | \$ | (29,817) | \$ | (25,041,413) |
| 13th Check Payments to DROP Accounts | | 0 | | (1,497,476) |
| Total Distributions | \$ | (29,817) | \$ | (26,538,889) |
| End of Year | \$ | 242,114 | \$ | 271,931 |

Section V - Fund Allocations Reconciliation of Market Value (Staff Pension Plan)

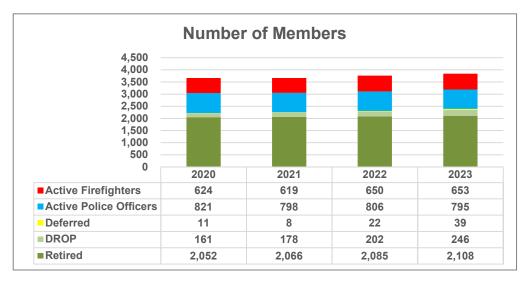
| Fiscal Year Ending | Sep | tember 30, 2023 | September 30, 2022 | | |
|------------------------------|-----|-----------------|---------------------------|-----------|--|
| Beginning of the Year | \$ | 1,620,227 | \$ | 1,768,606 | |
| Contributions: | | | | | |
| Member | \$ | 40,147 | \$ | 33,723 | |
| Employer | | 140,516 | | 117,855 | |
| Total Contributions | \$ | 180,663 | \$ | 151,578 | |
| Investment Income Allocation | \$ | 282,894 | \$ | (284,898) | |
| Benefits Paid | \$ | (64,318) | \$ | (15,059) | |
| End of Year | \$ | 2,019,466 | \$ | 1,620,227 | |
| Estimated Return | | 16.85% | | -15.51% | |

Section VI - Summary of Member Data Statistical Data

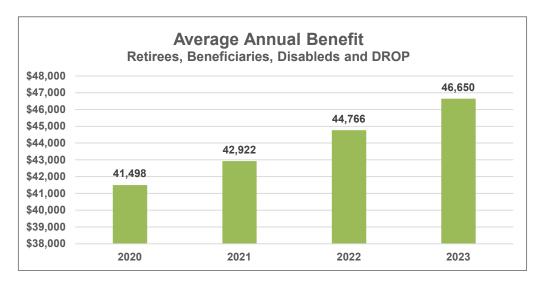
| Valuation Date | Octo | ber 1, 2020 | Oct | tober 1, 2021 | October 1, 2022 | | October 1, 2023 | |
|---|------|--|-----|--|-----------------|---|-----------------|---|
| Actives Number of Firefighters Number of Police Officers Total Actives Average Current Age Average Age at Employment Average Past Service Average Annual Salary | \$ | 624 821 1,445 38.3 28.4 9.9 95,984 | \$ | 619 798 1,417 38.5 28.3 10.2 100,183 | \$ | 650 806 1,456 38.1 28.4 9.7 100,043 | \$ | 653 795 1,448 37.5 28.3 9.2 114,077 |
| Service Retirees Number of Firefighters Number of Police Officers Total Service Retirees Average Current Age Average Annual Benefit | \$ | 547 882 1,429 65.0 46,361 | \$ | 541 899 1,440 65.4 47,515 | \$ | 542 914 1,456 65.6 48,909 | \$ | 541 944 1,485 65.8 50,149 |
| DROP Retirees Number of Firefighters Number of Police Officers Total DROP Retirees Average Current Age Average Annual Benefit | \$ | 54 107 161 51.7 74,533 | \$ | 66 112 178 51.8 78,204 | \$ | 69 133 202 51.5 81,303 | \$ | 87 159 246 51.3 82,628 |
| Beneficiaries Number of Firefighters Number of Police Officers Total Beneficiaries Average Current Age Average Annual Benefit | \$ | 161 160 321 75.6 15,550 | \$ | 157 177 334 75.3 16,271 | \$ | 162 182 344 75.6 17,347 | \$ | 160 183 343 76.2 17,882 |
| Disability Retirees Number of Firefighters Number of Police Officers Total Disability Retirees Average Current Age Average Annual Benefit | \$ | 134 168 302 66.4 28,457 | \$ | 129 163 292 66.5 29,249 | \$ | 126 159 285 66.4 30,797 | \$ | 124 156 280 66.9 31,725 |
| Terminated Vested Number of Firefighters Number of Police Officers Total Terminated Vested Average Current Age Average Annual Benefit ¹ | \$ | 6 5 11 43.8 29,804 | \$ | 4 4 8 43.9 36,914 | \$ | 11 11 22 38.2 38,108 | \$ | 19 20 39 37.5 44,056 |

¹ The Average Annual Benefit excludes participants awaiting a refund of contributions.

Section VI - Summary of Member Data Statistical Data (continued)







Section VI - Summary of Member Data

Age and Service Distribution

Credited Service

| Age | 0 | 1 | 2 | 3 | 4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30+ | Total |
|-------|-----|-----|----|----|----|-----|-------|-------|-------|-------|-----|-------|
| 15-19 | | | | | | | | | | | | 0 |
| 20-24 | 27 | 23 | 3 | 2 | | | | | | | | 55 |
| 25-29 | 50 | 36 | 21 | 19 | 29 | 39 | | | | | | 194 |
| 30-34 | 20 | 40 | 17 | 13 | 35 | 120 | 36 | | | | | 281 |
| 35-39 | 15 | 10 | 11 | 6 | 24 | 115 | 142 | 34 | | | | 357 |
| 40-44 | 3 | 5 | 3 | 6 | 5 | 45 | 85 | 112 | 10 | | | 274 |
| 45-49 | 1 | 2 | | | | 24 | 45 | 78 | 26 | | | 176 |
| 50-54 | 1 | 1 | | 1 | | 2 | 23 | 31 | 17 | 1 | | 77 |
| 55-59 | | | | | | 2 | 8 | 17 | 1 | 1 | | 29 |
| 60-64 | | | | | | | 1 | 2 | 1 | | 1 | 5 |
| 65+ | | | | | | | | | | | | 0 |
| Total | 117 | 117 | 55 | 47 | 93 | 347 | 340 | 274 | 55 | 2 | 1 | 1,448 |

Section VI - Summary of Member Data

Valuation Participant Reconciliation

1. Active lives

| Allow by a firm of the state of | 4.450 |
|---|-------|
| a. Number in prior valuation | 1,456 |
| b. Terminations | |
| i. Vested (partial or full) with deferred benefits | (6) |
| ii. Non-vested or full lump sum distribution received | (25) |
| c. Deaths | |
| i. Beneficiary receiving benefits | 0 |
| ii. No future benefits payable | 0 |
| d. Disabled | (4) |
| e. Retired | (24) |
| f. DROP | (75) |
| g. Continuing participants | 1,322 |
| h. New entrants/Rehires | 126 |
| i. Number in current valuation | 1.448 |

2. Non-Active lives (including beneficiaries receiving benefits)

| | Retired | DROP | Beneficiary | Disabled | Deferred | Total |
|-----------------------------|---------|------|-------------|----------|----------|-------|
| a. Number prior valuation | 1,456 | 202 | 344 | 285 | 22 | 2,309 |
| Retired | 56 | (31) | | | (1) | 24 |
| DROP | | 75 | | | | 75 |
| Vested Deferred | | | | | 6 | 6 |
| Vested in Contributions | | | | | 15 | 15 |
| Death, With Survivor | (11) | | 17 | (6) | | |
| Death, No Survivor | (16) | | (16) | (3) | | (35) |
| Disabled | | | | 4 | | 4 |
| Refund of Contributions | | | | | (2) | (2) |
| Rehires | | | | | (1) | (1) |
| Expired Annuities | | | (2) | | | (2) |
| Data Corrections | | | | | | |
| b. Number current valuation | 1,485 | 246 | 343 | 280 | 39 | 2,393 |

Section VII - Discussion of Risks

In reviewing this report, it should be noted that there are risks that may not be inherently apparent to the reader that should be carefully considered. Below is a summary of the key risks factors that should be considered.

Identification of Risks

- 1. Investment risk: The liabilities and corresponding funded status presented in this report assume a long-term return expectation of 8.50% in each future year, net of investment expenses. Due to the nature of investments, long-term expectations are not a guarantee and actual average long- term returns may be above or below 8.50% per year. It should be noted that the liabilities and the corresponding funded status presented in this report would vary to the extent the long-term rate of return varies from current expectations. Furthermore, short-term volatility in actual returns is expected and will result in year-over-year fluctuation in financial metrics.
- 2. Demographic risk: The results in this report assume demographic characteristics of the plan will follow a pattern consistent with assumptions disclosed for termination of employment, incidence of disabilities, salary increases, timing of retirement, and duration of payments throughout retirement. Actuarial assumptions are applied to large groups of individuals to reasonably estimate plan liabilities and are not intended to be applied on an individual basis. As such, demographic changes may differ significantly from those assumed and result in varying liabilities and funded status.
- 3. Contribution risk: Risks associated with items 1 and 2 above will inherently create varying liabilities and assets resulting in volatility in contribution requirements. Actuarial losses on assets and liabilities will lead to higher contribution amounts, while actuarial gains on assets and liabilities will lead to lower contribution amounts. It should be noted that investment risk is generally a greater risk to most plans than demographic risk. Prolonged periods of investment performance below the assumed rate of return will result in a decrease in funded status (i.e. increases unfunded liabilities) and an increase in contributions required (both City and member contributions) in future years.

It should be noted that plans with higher funding percentages (assets as a percentage of liabilities) have less risk of insolvency due to annual variances in investment performance and demographics. The Plan is funded at a high level with a funding percentage of 86.2% (versus 87.7% in the previous year).

Impact of Plan Maturity on Risk

For newer pension plans, most of the participants and associated liabilities are related to active members who have not yet reached retirement age. As pension plans continue in operation and active members reach retirement ages, liabilities begin to shift from being primarily related to active members to being shared amongst active and retired members. Plan maturity is a measure of the extent to which this shift has occurred. It is important to understand that plan maturity can have an impact on risk tolerance and the overall risk characteristics of the plan.

Section VII - Discussion of Risks

For example, plans with a large amount of retired liability do not have as long of a time horizon to recover from losses (such as losses on investments due to lower than expected investment returns) as plans where the majority of the liability is attributable to active members. For this reason, less tolerance for investment risk may be warranted for highly mature plans with a substantial inactive liability. Similarly, mature plans paying substantial retirement benefits resulting in a small positive or net negative cash flow can be more sensitive to near term investment volatility, particularly if the size of the fund is shrinking, which can result in less assets being available for investment in the market.

Approximately 72% of the Actuarial Accrued Liability is associated with those receiving payments. This means that the Plan is highly mature and losses due to lower than expected investment returns or demographic factors will need to be made up for over a time horizon that is acceptable to a plan of this maturity. The Board has adopted a 15 year time horizon for amortizing actuarial gains and losses. Additionally, the Plan has a negative net cash flow of approximately \$37.3 million (2.5% of plan assets). It takes larger percentage increases in contributions and/or large future asset gains for plans with a negative net cash flow to recover from investment losses than it does for plans with a positive net cash flow.

Low Default-Risk Obligation Measure

ASOP No. 4, Measuring Pension Obligations and Determining Pension Plan Costs or Contributions, was revised as of December 2021 to include a "low-default-risk obligation measure" (LDROM). This liability measure is consistent with the determination of the actuarial accrued liability shown on page 15 in terms of member data, plan provisions, and assumptions/methods, under the Entry Age Normal Cost Method, except that the interest rate is tied to low-default-risk fixed income securities. The S&P Municipal Bond 20 Year High Grade Rate Index (daily rate closest to, but not later than, the measurement date) was selected to represent a current market rate of low risk but longer-term investments that could be included in a low-risk asset portfolio. The interest rate used in this valuation was 4.87%, resulting in an LDROM of \$2,593,843,483. The LDROM should not be considered the "correct" liability measurement; it simply shows a possible outcome if the Board elected to hold a very low risk asset portfolio. The Board actually invests the pension plan's contributions in a diversified portfolio of stocks and bonds and other investments with the objective of maximizing investment returns at a reasonable level of risk. Consequently, the difference between the plan's Actuarial Accrued Liability disclosed earlier in this section and the LDROM can be thought of as representing the expected taxpayer savings from investing in the plan's diversified portfolio compared to investing only in high quality bonds.

The actuarial valuation reports the funded status and develops contributions based on the expected return of the plan's investment portfolio. If instead, the plan switched to investing exclusively in high quality bonds, the LDROM illustrates that reported funded status would be lower (which also implies that the Actuarially Determined Contributions would be higher), perhaps significantly. Unnecessarily high contribution requirements in the near term may not be affordable and could imperil plan sustainability and benefit security.

Section VII - Discussion of Risks

Summary Comments

It is important to note that we have identified the risks above as the most significant risks based on the characteristics of the plan and the nature of the actuarial valuation, however, it is not an exhaustive list of potential risks that could be considered. The City of Tampa Pension Fund for Firefighters and Police Officers is part of a larger fund that provides the benefits under the terms of the Plan as well as cost of living adjustments and 13th checks that are paid through investment returns in excess of a specified level. This structure creates a unique set of risks, some of which were identified in the summary section of this report as a supplement to this discussion. Due to the complex nature of the Plan, the Board has historically requested advanced modelling of the fund (including stochastic analysis) in 5-year cycles. The latest report was provided in December of 2019. Identification of additional risks, and/or analysis can be helpful and can be provided upon request of the Board.

Section VII - Discussion of Risks Plan Maturity Measures and Other Risk Metrics

| October 1, 2020 | October 1, 2021 | October 1, 2022 | October 1, 2023 |
|-----------------|---|---|-----------------|
| | | | |
| 1,445 | 1,417 | 1,456 | 1,448 |
| 2,224 | 2,252 | 2,309 | 2,393 |
| 65.0% | 62.9% | 63.1% | 60.5% |
| | | | |
| 1,335,272,220 | 1,405,607,880 | 1,153,828,174 | 1,486,932,333 |
| | | | 165,183,161 |
| 962.7% | 990.2% | 792.1% | 900.2% |
| | | | |
| 1,025,127,154 | 1,070,649,288 | 1,135,705,585 | 1,229,204,518 |
| 1,454,240,969 | 1,518,101,506 | 1,578,038,671 | 1,707,453,593 |
| 70.5% | 70.5% | 72.0% | 72.0% |
| | | | |
| 1,366,779,325 | 1,428,389,385 | 1,384,593,809 | 1,471,725,926 |
| 1,454,240,969 | 1,518,101,506 | 1,578,038,671 | 1,707,453,593 |
| 94.0% | 94.1% | 87.7% | 86.2% |
| | | | |
| (65,686,160) | (52,196,767) | (41,191,144) | (37,311,086) |
| 1,335,272,220 | 1,405,607,880 | 1,153,828,174 | 1,486,932,333 |
| -4.9% | -3.7% | -3.6% | -2.5% |
| | 1,445 2,224 65.0% 1,335,272,220 138,696,737 962.7% 1,025,127,154 1,454,240,969 70.5% 1,366,779,325 1,454,240,969 94.0% | 1,445 1,417 2,224 2,252 65.0% 62.9% 1,335,272,220 1,405,607,880 138,696,737 962.7% 990.2% 1,025,127,154 1,070,649,288 1,454,240,969 70.5% 70.5% 1,366,779,325 1,428,389,385 1,454,240,969 94.0% 94.1% (65,686,160) (52,196,767) 1,335,272,220 1,405,607,880 | 1,445 |

¹ Contributions (excluding service buybacks) minus benefit payments for the Base and DROP accounts and administrative expenses.

Section VIII - Actuarial Assumptions and Methods

The actuarial assumptions and methods are based on an experience study conducted in January of 2019. The investment rate of return was reviewed in December of 2019 using a stochastic forecast technique. The Board has a policy of reviewing actuarial assumptions once every five years.

Mortality Rates

Healthy Active Lives:

Female: PubS.H-2010 for Employees, set forward one year. **Male:** PubS.H-2010 for Employees, set forward one year.

20% of all deaths are assumed to be in the line of duty.

Healthy Inactive Lives:

Female: PubS.H-2010 Healthy Retiree (Above Median), set forward one year. **Male:** PubS.H-2010 Healthy Retiree (Above Median), set forward one year.

Beneficiary Lives:

Female: PubG.H-2010 Healthy Retiree (Above Median).

Male: PubG.H-2010 Healthy Retiree (Above Median), set back one year.

Disabled Lives:

Female: 80% PubG.H-2010 / 20% PubS.H-2010 for Disabled Retirees. **Male:** 80% PubG.H-2010 / 20% PubS.H-2010 for Disabled Retirees.

All rates for healthy lives are projected generationally with Mortality Improvement Scale MP-2018.

The assumed rates of mortality were mandated by Chapter 2015-157, Laws of Florida. This law mandates the use of the assumption used in either of the two most recent valuations of the Florida Retirement System (FRS). The above rates are those outlined in the July 1, 2019 FRS actuarial valuation report for special risk employees, with appropriate adjustments made based on plan demographics.

Interest Rate

8.50% per year, compounded annually, net of investment related expenses.

Payroll Increase Rate

4.0% per year for projecting aggregate payroll to the following fiscal year.

Administrative Expenses

Administrative expenses are assumed to be 1.4% of payroll.

Section VIII - Actuarial Assumptions and Methods

Marital Assumptions

85% of active members are assumed to be married with males 4 years older than females. Surviving spouses of retirees are assumed not to remarry as benefits cease upon remarriage under the normal form.

State Contributions

State premium tax revenue is assumed to be the same as the most recent distribution.

Funding Method

Entry Age Normal Actuarial Cost Method.

Actuarial Asset Method

Each year, the prior Actuarial Value of Assets (AVA) is projected forward at the assumed interest rate assumption and reflecting actual contributions and benefit payments. One-fifth of the difference between the projected actuarial value and market value is added to the projected actuarial value. The resulting AVA cannot be greater than 120% of the market value or less than 80% of the market value. It is possible that over time this technique will produce an insignificant bias above or below Market Value.

Low-Default-Risk Obligation Measure

Based on the Entry Age Normal Actuarial Cost Method and an interest rate of 4.87% per year compounded annually, net of investment related expenses. This rate is consistent with the Yield to Maturity of the S&P Municipal Bond 20-Year High Grade Rate Index as of September 30, 2023. All other assumptions for the Low-Default-Risk Obligation Measure are consistent with the assumptions shown in this section unless otherwise noted.

Amortization Periods

Changes in unfunded liability are amortized on a level dollar basis over the following periods:

| Change in Unfunded Liability | Amortization Period |
|------------------------------|---------------------|
| Plan Changes | 30 years |
| Assumption/Method Changes | 30 years |
| Gains or Losses | 15 years |

Termination Rates

Sample rates of termination are shown below.

| Service | Firefighters | Police Officers |
|---------|--------------|-----------------|
| 0 | 4.0% | 12.5% |
| 1 | 1.5% | 3.5% |
| 2 – 5 | 1.5% | 2.0% |
| 6 – 9 | 1.0% | 1.0% |
| 10+ | 0.0% | 0.0% |

Section VIII – Actuarial Assumptions and Methods

Retirement Rates

Rates of retirement are shown below.

At Least 20 years of service:

| Service | Firefighters | Service | Police Officers |
|---------|--------------|---------|--------------------|
| 20 | 30% | 20 | 45% |
| 21-22 | 20% | 21 | 25% |
| 23 | 20% | 22 | 27.5% |
| 24-25 | 60% | 23 | 40% |
| 26-29 | 40% | 24-26 | 57.5% |
| 30+ | 100% | 27+ | 100% |
| | | | |

Less than 20 years of service:

| Age | Firefighters | Police Officers |
|-------|--------------|--------------------|
| 46-59 | 4.0% | 7.0% |
| 60 | 100% | 100% |

Disability Rates

Sample rates of disability are shown below.

| Age | Firefighters | Police Officers |
|-----|--------------|-----------------|
| 25 | 0.11% | 0.11% |
| 30 | 0.28% | 0.18% |
| 35 | 0.63% | 0.66% |
| 40 | 1.26% | 0.96% |
| 45 | 2.05% | 0.96% |
| 50 | 2.84% | 0.96% |
| 55 | 3.15% | 0.96% |

It is assumed that 95% of disablements are service related.

Salary Increases

Sample rates of salary increases are shown below.

Less Than 8 Years of Service:

| Age | Firefighters | Police Officer |
|-----|--------------|----------------|
| 20 | 12.0% | 8.0% |
| 25 | 11.0% | 8.0% |
| 30 | 10.0% | 8.0% |
| 35 | 9.5% | 8.0% |
| 40 | 9.5% | 8.0% |
| 45+ | 9.0% | 7.0% |

At Least 8 Years of Service:

| Age | Firefighters | Police Officer |
|-----|--------------|----------------|
| 25 | 7.5% | 8.0% |
| 30 | 7.5% | 6.0% |
| 35 | 6.5% | 4.75% |
| 40 | 6.5% | 4.0% |
| 45+ | 5.0% | 4.0% |

Plan Effective Date

Established by Chapter 21590, Laws of Florida, Special Act of 1941. Most recent amendments reflected are adopted under Chapters 2000-485, 2001-288, 2002-369, 2004-427, 2007-304, 2011-240, 2012-235, and 2018-180. Laws of Florida, and Local Ordinance 2001-133 and 2003-22.

Eligibility

Full-time City Firefighters or Police Officers are eligible for membership after submitting to a pre-employment physical, providing select medical and employment information, and meeting the requirements of the City's Civil Service Board except for the probationary period.

Credited Service

A Member will be credited with a year of service for each year of employment as a City Firefighter or Police Officer, whether continuous or interrupted, for which Member contributions are made.

Military Service

Service in the armed forces of up to five years, or as required by the Uniformed Services Employee and Re-Employment Rights Act may be counted as years of Credited Service.

Service While Disabled

A Member who is awarded a disability pension after becoming disabled in the line of duty and returns to active service prior to eligibility for service retirement may receive Credited Service for the period of disability. To receive credit for service during the disability, the Member must make contributions for the period of disability based on his Earnings when the disability began within 18 months after returning to active service. The member must remain employed for two years after returning to employment.

Salary

Base salary or wages, including regular longevity bonuses and overtime up to 300 hours per year.

Average Monthly Earnings (AME)

The average of the Member's Earnings during the highest three years during the final ten years of service.

Final Earnings

A Member's Final Earnings is the Member's Earnings during the last year of active employment prior to termination.

Member Contributions

Member contributions are determined as a percentage of the Full Scale Contribution Rate (FSCR) on the basis of the annual actuarial valuation of the Base Plan. The FSCR and the Member contribution rates for the year beginning October 1, 2024 is as follows:

| Fiscal Year Earnings | FSCR | Base 71.03% of FSCR |
|-------------------------|------|------------------------|
| First \$4,000 | 6% | 4.2618% |
| Next \$1,000 | 7% | 4.9721% |
| Next \$1,000 | 8% | 5.6824% |
| Next \$1,000 | 9% | 6.3927% |
| Next \$1,000 | 10% | 7.1030% |
| Next \$1,000 | 11% | 7.8133% |
| Next \$1,000 | 12% | 8.5236% |
| Next \$2,500 | 15% | 10.6545% |
| Excess Over \$12,500 | 25% | 17.7575% |

Member contributions for the Older Workers will be reduced by the Social Security OASDI Contributions, which they must pay.

If the City's contribution exceeds 40% of Member pay, the Member contributions above will be increased by the ratio of the City's contribution to the 40% of Member pay.

Members who elect the Deferred Retirement Option Program (DROP) do not contribute.

Members who terminate prior to vesting will be eligible for a refund of employee contributions without interest.

City Contributions

The City's contribution to the Base Plan will be determined as the amount required, in addition to Member contributions, contributions by the State of Florida, and other sources of revenue, to pay the actuarially determined normal cost of the Fund, exclusive of post-retirement cost of living adjustments, pursuant to the funding requirements of Chapters 112, 175, and 185 of the Florida Statutes. There are no contributions from the City to the 13th Check Program.

The City's required contributions are paid quarterly and are equal to 134% of the Members' contributions paid during that quarter. This equates to a ratio of 1 to 1.34 of employee to employer contributions.

State Contributions

State premium tax revenue under Chapter 175/185 received annually is used to offset required contributions. The City of Tampa and the IAFF Local 754 and Tampa PBA agree to mutual consent regarding the use of the state premium tax funds.

Normal Retirement

Date: Earlier of completion of 20 years of service or age 46 with ten or more

years of service.

Benefit: 3.15% of AME times years of Credited Service, subject to a maximum of

100% of AME. This benefit is effective October 1, 2004 and is applicable only to plan Members actively employed as Firefighters or Police Officers in

the City of Tampa on or after October 1, 2003.

Vesting

Schedule: 100% after 10 years of Credited Service.

Benefit: If the Member separates with 10 or more years of service, the annual

deferred vested benefit payable monthly at age 46 is an annual amount of

3.15% of AME times Credited Service. This benefit is effective

October 1, 2004 and is applicable only to plan Members who were actively employed as Firefighters or Police Officers in the City of Tampa on or after October 1, 2003. Alternatively, the Member may elect refund of employee

contribution without interest.

Deferred Retirement Option Plan

Eligibility: A Member who has earned at least 20 years of service but no more than

30 years of service is eligible to elect to participate in DROP. An election to

participate in DROP is irrevocable.

Participation: Not to exceed the earlier of 60 months or the completion of 30 years of

service with the City.

Rate of Return: DROP benefits accumulate with interest based on an election of the

Member at either 1) the Plan's net investment return or 2) a low risk, variable rate option as determined by the Board of Trustees. A Member may change this option once per year during the month of October.

Distribution: Lump sum and/or rollover to qualified retirement plan(s) at termination of

employment.

Disability - Service Incurred

Eligibility: Permanent incapacity to perform regular and continuous duty. Permanent

incapacity must be caused by and attributable to the performance of the

employee's duties as a member of the Fire or Police Department.

Benefit: Monthly income payable while so disabled equal to 65% of the Member's

monthly salary in effect at the date of disability plus one-twelfth of any other

pensionable earnings received within one year prior to the date of disability.

Disability - Non-Service Incurred

Eligibility: Permanent incapacity to perform regular and continuous duty after

completion of 10 years of Service. Permanent incapacity not caused or attributable to the performance of the employee's duties as a member of

the Fire or Police Department.

Benefit: Monthly income payable while so disabled equal to 2% of AME times years

of Credited Service with a maximum benefit of 50% of AME and a minimum

benefit of 25% of AME.

A Member who is receiving a non-service incurred disability, may elect to receive longevity benefits equal to 3.15% of AME times years of Credited Service upon attainment of age 46. This benefit is effective October 1, 2004 and is applicable only to Non-Service Incurred Disabled Members actively employed as Firefighters or Police Officers in the City of Tampa on or after October 1, 2003. Election must be in writing at least 30 days prior to

attainment of age 46.

Death Benefits - Post-Retirement

Benefits payable to beneficiary in accordance with option selected at retirement.

Death Benefits - Pre-Retirement & Non-Service Incurred

Eligibility: Death after completing 10 years of service resulting from causes unrelated

to duties as a member of the Fire or Police Department.

Benefit: The benefits payable to the surviving spouse and children at the time the

member would have turned age 46 under the Normal Form of Payment.

Death Benefits - Pre-Retirement & Service Incurred

Eligibility: Death while in, or due to causes from, the performance of duties as a

member of the Fire or Police Department.

Benefit: The benefit payable monthly to the surviving spouse until death is equal to

an annual amount of 100% of Final Earnings reduced by benefits paid to

children.

Benefit payable monthly to each surviving child is equal to an annual amount of 15% of Final Earnings. The total payment to children shall not exceed 30% of the Final Earnings. Payments made to surviving children will terminate at the earliest of death, marriage, or reaching age 18 (age 23 for full-time students). Payments no longer paid to surviving children shall continue to be paid to the surviving spouse. If the surviving spouse dies leaving eligible surviving children, each child's share shall increase from 15% to 30% - maximum total payout may not exceed 60% of Final Earnings. In the absence of an eligible surviving spouse or children, the designated beneficiary shall be entitled to the benefit otherwise payable to

the Member at normal retirement age for 10 years certain.

Normal Form of Payment

The benefit begins at retirement and continues for the Member's life but guaranteed for the first 120 months. Upon the Member's death, if there is a spouse who has been married to the Member during some period of the Member's employment and at retirement, that spouse will receive a benefit equal to 65% of the Member's benefit, commencing with the Member's death and payable for the rest of the spouse's life or until remarriage. The Member's benefit is guaranteed for the first 120 months. Each surviving unmarried minor child will receive an annual benefit equal to 7.5% of the Final Earnings, up to 15% in the aggregate. These payments will continue until the child reaches age 18 or becomes married.

Optional Forms of Payment

Actuarial Equivalence: Interest rate: 8.5%

Member Mortality Table: Above Median PubS.H-2010 Mortality Table for males set forward 1 year with projection using scale BB Beneficiary Mortality Table: Above Median PubS.H-2010 Mortality Table for females set forward 1 year with projection using scale BB

Form of Payment: Option 2 - Single Life Annuity

Option 3a - 100% Joint and Survivor Annuity Option 3b - 75% Joint and Survivor Annuity Option 3c - 66 2/3% Joint and Survivor Annuity Option 3d - 50% Joint and Survivor Annuity Options 3b, 3c, and 3d reduce upon 1st Death

Cost of Living Adjustment

Commencing on January 1 after the initial October 1 of a Member's retirement, benefits will be increased in step with the cost of living to the extent that such increases can be funded from the Postretirement Adjustment Account (PRAA). The PRAA is funded by investment returns in excess of 5% on the Fund (exclusive of returns allocated to the DROP and 13th Check accounts). While the basic retirement benefits payable to members and beneficiaries are paid from the Base Fund, cost-of-living adjustments are paid from the PRAA.

13th Check Program

Effective October 1, 2007, the 13th Check Program will be funded by investment returns in excess of 10% (limited to 1%) on the Base plan plus the Postretirement Adjustment Account market value of assets at each fiscal year ending September 30. No individual accounts are maintained. The 13th Check Program incorporates no liabilities beyond those attributable to its segregated assets. There are no contributions to the 13th Check Program. Future 13th Check benefits shall be determined according to rules adopted by the Board of Trustees, applicable state laws, and the payment of which are on a sound actuarial basis.

Defined Contribution Plan Component

A defined contribution plan is a retirement plan in which a certain amount of money is set aside each year for the benefit of each member. Effective October 1, 2017, prospectively, the Plan established a defined contribution component as required by Florida Statute, but it is currently unfunded and will remain so as long as the City of Tampa and IAFF Local 754 and Tampa PBA agree to maintain mutual consent regarding use of the state premium tax funds.

Section X - Glossary

- **Total Annual Payroll** is the projected annual rate of pay for the fiscal year beginning on the valuation date of all covered Members.
- **Present Value of Benefits** is the single sum value on the valuation date of all future benefits to be paid to current active Members, Retirees, Beneficiaries, Disability Retirees and Vested Terminations.
- **Normal (Current Year's) Cost** is determined for each participant as the present value of future benefits, determined as of the Member's entry age, amortized as a level percentage of compensation over the anticipated number of years of participation, determined as of the entry age.
- Individual Entry Age Normal Actuarial Cost Method (Level Percent of Compensation) is the method used to determine required contributions under the Plan. The use of this method involves the systematic funding of the Normal Cost (described above) and the Unfunded Accrued (Past Service) Liability. The actuarial accrued liability for active participants is the difference between the present value of future benefits and the present value of future Normal Costs. The actuarial accrued liability for inactive participants is the present value of future benefits.
- **Unfunded Actuarial Accrued Liability (UAAL)** is the difference between the actuarial accrued liability (described above) and the actuarial value of assets. Under the Entry Age Normal Actuarial Cost Method, an actuarial gain or loss, based on actual versus expected UAAL, is determined in conjunction with each valuation of the plan.
- **Total Required Contribution** is equal to the Normal Cost plus an amount sufficient to amortize the Unfunded Accrued Liability over no more than 30 years. The required amount is adjusted for interest according to the timing of contributions during the year.