CITY OF PENSACOLA POLICE OFFICERS' RETIREMENT PLAN

ACTUARIAL VALUATION AS OF OCTOBER 1, 2022

CONTRIBUTIONS APPLICABLE TO THE PLAN/FISCAL YEAR ENDING SEPTEMBER 30, 2024

GASB 67/68 DISCLOSURE INFORMATION AS OF SEPTEMBER 30, 2022





April 7, 2023

Board of Trustees City of Pensacola Police Officers' Pension Board

Re: City of Pensacola Police Officers' Retirement Plan

Dear Board:

We are pleased to present to the Board this report of the annual actuarial valuation of the City of Pensacola Police Officers' Retirement Plan. Included are the related results for GASB Statements No. 67 and No. 68. 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. The calculation of the liability for GASB results was performed for the purpose of satisfying the requirements of GASB Statements No. 67 and No. 68. Use of the results for other purposes may not be applicable and may produce significantly different results.

The valuations have 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 reflect laws and regulations issued to date pursuant to the provisions of Chapters 112 and 185, Florida Statutes, as well as applicable federal laws and regulations. In our opinion, the assumptions used in the valuations, as adopted by the Board of Trustees, represent reasonable expectations of anticipated plan experience.

The funding percentages and unfunded accrued liability as measured based on the actuarial value of assets will differ from similar measures based on the market value of assets. These measures, as provided, are appropriate for determining the adequacy of future contributions, but may not be appropriate for the purpose of settling a portion or all of its liabilities. 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 the valuations, we did not perform an analysis of the potential range of such future measurements.

In conducting the valuations, we have relied on personnel, plan design, and asset information supplied by the City of Pensacola, financial reports prepared by the custodian bank, 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.

Additionally, we used third-party software to model (calculate) the underlying liabilities and costs. 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 that apply the funding and accounting rules to generate the results. All internally developed models are reviewed as part of the valuation 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.

The total pension liability, net pension liability, and certain sensitivity information shown in this report are based on an actuarial valuation performed as of October 1, 2021. The total pension liability was rolled-forward from the valuation date to the plan's fiscal year ending September 30, 2022 using generally accepted actuarial principles. It is our opinion that the assumptions used for this purpose are internally consistent, reasonable, and comply with the requirements under GASB No. 67 and No. 68.

The undersigned are familiar with the immediate and long-term aspects of pension valuations, and meet 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 our 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 Pensacola, nor does anyone at Foster & Foster, Inc. act as a member of the Board of Trustees of the Police Officers' Retirement Plan. 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.

By:

Joseph L. Griffin, ASA, EA, MAAA

Enrolled Actuary #23-6938

By:

Tyler A. Koftan, MAAA

JLG/lke

Enclosures

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SUMMARY OF REPORT

The regular annual actuarial valuation of the City of Pensacola Police Officers' Retirement Plan, performed as of October 1, 2022, has been completed and the results are presented in this Report. The contribution amounts set forth herein are applicable to the plan/fiscal year ending September 30, 2024.

The contribution requirements, compared with those set forth in the October 1, 2021 actuarial valuation report, are as follows:

Valuation Date Applicable to Fiscal Year Ending	10/1/2022 <u>9/30/2024</u>	10/1/2021 <u>9/30/2023</u>
Minimum Required Contribution	\$4,309,018	\$4,101,231
Member Contributions (Est.)	218,349	216,878
City And State Required Contribution	4,090,669	3,884,353
State Contribution (Est.) ¹	683,116	683,116
City Required Contribution ²	\$3,407,553	\$3,201,237

¹ Represents the amount received in calendar 2022.

As you can see, the Minimum Required Contribution shows an increase when compared to the results set forth in the October 1, 2021 actuarial valuation report. The increase is attributable to net unfavorable experience described below.

Plan experience was unfavorable overall on the basis of the plan's actuarial assumptions. Sources of actuarial loss included an investment return of 6.04% (Actuarial Asset Basis) which fell short of the 7.125% assumption and inactive mortality experience. There were no significant sources of actuarial gain.

² The City has access to the September 30, 2022 Contribution Surplus Account Balance of \$1,063,956.18 to help offset a portion of the above stated requirements for fiscal 2023. Please see page 17 of this report for detail of the account balance reconciliation.

CHANGES SINCE PRIOR VALUATION

Plan Changes

There have been no changes in benefits since the prior valuation.

Actuarial Assumption/Method Changes

There have been no assumption or method changes since the prior valuation.

COMPARATIVE SUMMARY OF PRINCIPAL VALUATION RESULTS

	10/1/2022	10/1/2021
A. Participant Data		
Actives	55	59
Service Retirees	131	124
DROP Retirees	3	6
Beneficiaries	27	26
Disability Retirees	13	13
Terminated Vested	<u>16</u>	<u>16</u>
Total	245	244
Payroll Under Assumed Ret. Age	4,037,524	4,010,318
Annual Rate of Payments to:		
Service Retirees	6,590,487	6,043,244
DROP Retirees	200,332	353,124
Beneficiaries	696,961	627,822
Disability Retirees	264,226	256,530
Terminated Vested	236,744	236,744
B. Assets		
Actuarial Value (AVA) ¹	122,927,837	119,577,314
Market Value (MVA) ¹	109,616,680	134,152,805
C. Liabilities		
Present Value of Benefits		
Actives		
Retirement Benefits	32,421,534	32,631,563
Disability Benefits	2,806,308	2,825,378
Death Benefits	274,109	278,334
Vested Benefits	379,823	429,452
Refund of Contributions	7,197	10,616
Service Retirees	96,426,247	89,258,295
DROP Retirees ¹	3,458,486	7,450,132
Beneficiaries	7,564,744	6,888,616
Disability Retirees	3,315,959	3,291,031
Terminated Vested	1,811,673	1,688,223
Total	148,466,080	144,751,640

C. Liabilities - (Continued)	10/1/2022	10/1/2021
Present Value of Future Salaries	22,684,495	24,060,705
Present Value of Future		
Member Contributions	1,179,594	1,251,157
Normal Cost (Retirement)	603,793	599,431
Normal Cost (Disability)	118,159	117,858
Normal Cost (Death)	11,745	11,654
Normal Cost (Vesting)	22,404	24,764
Normal Cost (Refunds)	1,650	2,617
Total Normal Cost	757,751	756,324
Present Value of Future		
Normal Costs	4,226,128	4,499,758
Accrued Liability (Retirement)	29,020,627	29,021,762
Accrued Liability (Disability)	2,140,388	2,115,504
Accrued Liability (Death)	207,531	207,620
Accrued Liability (Vesting)	290,775	325,929
Accrued Liability (Refunds)	3,522	4,770
Accrued Liability (Inactives) 1	112,577,109	108,576,297
Total Actuarial Accrued Liability (EAN AL)	144,239,952	140,251,882
Unfunded Actuarial Accrued		
Liability (UAAL)	21,312,115	20,674,568
Funded Ratio (AVA / EAN AL)	85.2%	85.3%
Contribution Surplus Account	1,063,956	966,951
Total Amortization Charge	22,376,071	21,641,519
Amortization Amount	3,315,536	3,117,167

D. Actuarial Present Value of		
Accrued Benefits	10/1/2022	10/1/2021
Vested Accrued Benefits		
	112 577 100	100 577 207
Inactives ¹	112,577,109	108,576,297
Actives	17,844,820	17,804,257
Member Contributions	1,820,381	1,780,922
Total	132,242,310	128,161,476
Non-vested Accrued Benefits	4,072,700	3,771,987
Total Present Value		
Accrued Benefits (PVAB)	136,315,010	131,933,463
Funded Ratio (MVA / PVAB)	80.4%	101.7%
Increase (Decrease) in Present Value of		
Accrued Benefits Attributable to:		
Plan Amendments	0	
Assumption Changes	0	
Plan Experience	3,846,944	
Benefits Paid	(8,560,682)	
Interest	9,095,285	
Other	0	
		
Total	4,381,547	

Valuation Date Applicable to Fiscal Year Ending	10/1/2022 <u>9/30/2024</u>	10/1/2021 <u>9/30/2023</u>
E. Pension Cost		
Normal Cost ²	\$788,061	\$786,577
Administrative Expenses ²	72,800	72,800
Payment Required to Amortize Unfunded Actuarial Accrued Liability over 15 years		
(as of $10/1/2022$) ²	3,448,157	3,241,854
Minimum Required Contribution	4,309,018	4,101,231
Expected Member Contributions ²	218,349	216,878
Expected City and State Contribution	4,090,669	3,884,353
F. Past Contributions		
Plan Years Ending:	9/30/2022	
City and State Requirement	4,591,571	
Actual Contributions Made:		
City State Total	3,972,023 683,116 4,655,139	
G. Net Actuarial (Gain)/Loss	3,448,653	

 $^{^{\}rm 1}\,$ The asset values and liabilities include accumulated DROP Plan Balances as of 9/30/2022 and 9/30/2021.

² Contributions developed as of 10/1/2022 displayed above have been adjusted to account for assumed salary increases.

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

	Projected Unfunded	
Year	Actuarial Accrued Liability	
2022	22,376,071	
2023	20,418,598	
2024	18,321,657	
2027	11,091,040	
2037	0	

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

		<u>Actual</u>	Assumed
Year Ended	9/30/2022	4.85%	4.00%
Year Ended	9/30/2021	5.29%	4.00%
Year Ended	9/30/2020	8.58%	4.00%
Year Ended	9/30/2019	7.80%	4.00%
Year Ended	9/30/2018	5.49%	4.00%

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

		Market Value	Actuarial Value	<u>Assumed</u>
Year Ended	9/30/2022	-15.52%	6.04%	7.125%
Year Ended	9/30/2022	-13.32% 22.47%	10.62%	7.125%
Year Ended	9/30/2020	8.50%	7.44%	7.125%
Year Ended	9/30/2019	4.15%	7.96%	7.125%
Year Ended	9/30/2018	9.92%	9.46%	7.125%

(iii) Average Annual Payroll Growth

(a) Payroll as of:	10/1/2022 10/1/2012	\$4,037,524 5,296,929
(b) Total Increase		-23.78%
(c) Number of Years		10.00
(d) Average Annual Rate		-2.68%

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 #20-6938

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

RECONCILIATION OF UNFUNDED ACTUARIAL ACCRUED LIABILITIES

(1)	Unfunded Actuarial Accrued Liability as of October 1, 2021				\$20,674,568
(2)	Sponsor Normal Co	ost developed as of	October 1, 2021		547,787
(3)	Expected administr	rative expenses for	the year ended Septem	ber 30, 2022	70,000
(4)	Expected interest o	n (1), (2) and (3)			1,514,587
(5)	Sponsor contribution	ons to the System of	luring the year ended So	eptember 30, 2022	4,655,139
(6)	Expected interest o	n (5)			288,341
(7)	Expected Unfunded September 30, 2022		*		17,863,462
(8)	Change to UAAL of	lue to Assumption	Change		0
(9)	Change to UAAL due to Actuarial (Gain)/Loss				3,448,653
(10)) Unfunded Actuarial Accrued Liability as of October 1, 2022			21,312,115	
(11)) Contribution Surplus Account as of October 1, 2022				1,063,956
(12)	2) Total Amortization Charge as of October 1, 2022				22,376,071
	Type of <u>Base</u>	Date Established	Years <u>Remaining</u>	10/1/2022 <u>Amount</u>	Amortization <u>Amount</u>
			9	25,752,678	3,709,435
	Actuarial Gain	10/1/2018	11	(514,603)	(64,461)
	Actuarial Loss	10/1/2019	12	55,326	6,546
	Method Change	10/1/2019	12	(368,740)	(43,626)
	Actuarial Loss	10/1/2020	13	804,998	90,551
	Assump Change	10/1/2020	13	(1,545,754)	(173,875)
	Actuarial Gain	10/1/2021	14	(5,256,487)	(565,289)
	Actuarial Loss	10/1/2022	15	3,448,653	356,255
		22,376,071	3,315,536		

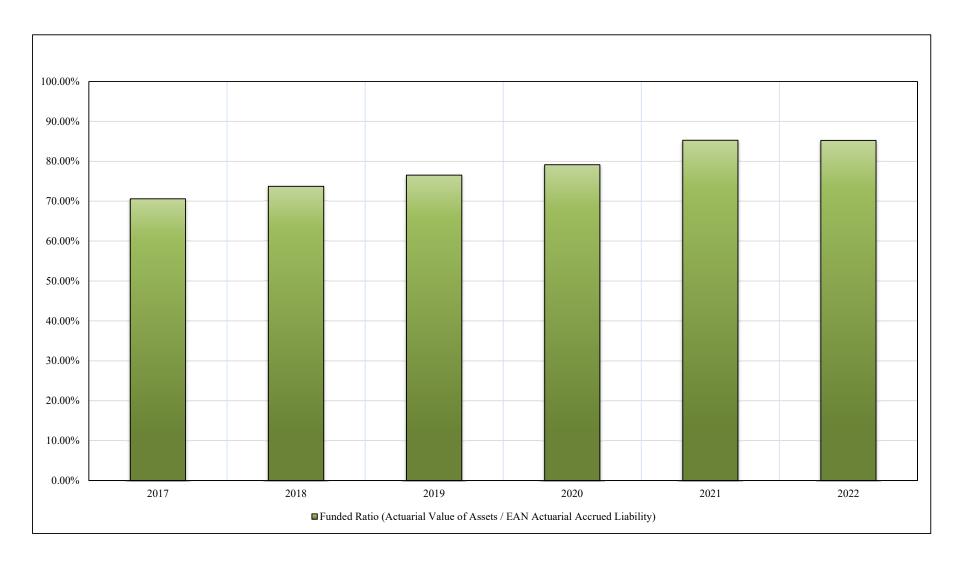
PROJECTED OUTSTANDING AMORTIZATION BASES

				Expected
		Expected	Expected	Outstanding
		Outstanding	Amortization	Amortization
Plan Year	Fiscal Year	Amortization Bases	Payment	Bases on 9/30
9/30/2022	9/30/2024	22,376,071	3,315,536	20,418,598
9/30/2023	9/30/2025	20,418,598	3,315,536	18,321,657
9/30/2024	9/30/2026	18,321,657	3,315,536	16,075,304
9/30/2025	9/30/2027	16,075,304	3,315,536	13,668,900
9/30/2026	9/30/2028	13,668,900	3,315,536	11,091,040
9/30/2027	9/30/2029	11,091,040	3,315,536	8,329,508
9/30/2028	9/30/2030	8,329,508	3,315,536	5,371,218
9/30/2029	9/30/2031	5,371,218	3,315,536	2,202,149
9/30/2030	9/30/2032	2,202,149	3,315,530	(1,192,709)
9/30/2031	9/30/2033	(1,192,709)	(393,899)	(855,726)
9/30/2032	9/30/2034	(855,726)	(393,900)	(494,732)
9/30/2033	9/30/2035	(494,732)	(329,451)	(177,057)
9/30/2034	9/30/2036	(177,057)	(292,363)	123,521
9/30/2035	9/30/2037	123,521	(209,044)	356,260
9/30/2036	9/30/2038	356,260	356,260	0
9/30/2037	9/30/2039	0	0	

DETAILED ACTUARIAL (GAIN)/LOSS ANALYSIS

(1) Unfunded Actuarial Accrued Liability (UAAL) as of October 1, 2021	\$20,674,568
(2) Expected UAAL as of October 1, 2022	17,863,462
(3) Summary of Actuarial (Gain)/Loss, by component:	
Investment Return (Actuarial Asset Basis)	1,277,308
Salary Increases	224,248
Active Decrements	463,548
Inactive Mortality	586,449
Cost-of-Living Adjustments Greater/(Lower) Than Expected	227,233
Other	669,867
Increase in UAAL due to (Gain)/Loss	3,448,653
Assumption Changes	0
(4) Actual UAAL as of October 1, 2022	\$21,312,115

HISTORY OF FUNDING PROGRESS



CONTRIBUTION SURPLUS ACCOUNT RECONCILIATION October 1, 2021 through September 30, 2022

(1)	9/30/2021 Contribution Surplus Account Balance	966,951.49
(2)	Minimum Required City and State Contribution for Plan Year Beginning 10/1/2021	4,591,571.00
(3)	City Contributions Deposited on or around 10/1/2021	3,972,023.22
(4)	State Contributions Deposited on 8/22/2022	683,115.97
(5)	Shortfall/(Excess) Contribution for Plan Year Beginning $10/1/2021$ (with interest) $\{[(2) - (3)] \times 1.07125\} - [(4) \times (1 + (0.07125 * (41/365)))]$	(24,892.68)
(6)	Actual Non-Investment Expenses for Plan Year Beginning 10/1/2021	66,997.23
(7)	Expected Non-Investment Expenses for Plan Year Beginning 10/1/2021	70,000.00
(8)	Interest at 7.125% {[(1) - [(6) - (7)]} x 0.07125	69,109.24
(9)	9/30/2022 Contribution Surplus Account Balance (1) - (5) - [(6) - (7)] + (8)	1,063,956.18

ACTUARIAL ASSUMPTIONS AND METHODS

Mortality Rate

Healthy Active Lives:

Female: PubS.H-2010 (Below Median) for Employees, set forward one year.

Male: PubS.H-2010 (Below Median) for Employees, set forward one year.

Healthy Retiree Lives:

Female: PubS.H-2010 for Healthy Retirees, set forward one year.

Male: PubS.H-2010 for Healthy Retirees, set forward one year.

Beneficiary Lives:

Female: PubG.H-2010 for Healthy Retirees. **Male:** PubG.H-2010 for Healthy Retirees, set back one year.

Disabled Lives:

80% PubG.H-2010 for Disabled Retirees / 20% PubS.H-2010 for Disabled Retirees.

All rates are projected generationally with Mortality Improvement Scale MP-2018. We feel this assumption sufficiently accommodates future mortality improvements.

The previously described mortality assumption rates were mandated by Chapter 2015-157, Laws of Florida. This law mandates the use of the assumptions used in either of the two most recent valuations of the Florida Retirement System (FRS). The above rates are those outlined in Milliman's July 1, 2021 FRS valuation report for special risk employees, with appropriate adjustments made based on plan demographics.

15% of active deaths are assumed to be service-incurred.

7.125% per year compounded annually, net of investment related expenses. This is supported by the target asset allocation of the trust and the expected long-term return by asset class.

4.00% compounded annually. This assumption was utilized by the prior actuary.

Interest Rate

Salary Increases

Payroll Growth

0.00% for purposes of amortizing the Unfunded Actuarial Accrued Liability. This assumption cannot exceed the ten-year average payroll growth, in compliance with Part VII of Chapter 112, Florida Statutes.

Administrative Expenses

\$70,000 annually.

Cost-of-Living Adjustments

2.5% annually. The assumption is 2.0% per year after 10 years of benefit payments for retirees who retire on or after January 1, 2013.

Retirement Rates

% Retiring During the Year

Service	Age	Rate
< 25 Years	45 - 49	5%
	50 - 56	10%
	57	50%
	58	70%
	59	90%
	60	100%
25 Years	45 - 57	50%
	58	70%
	59	90%
	60	100%
26 - 29 Years	45 - 56	25%
	57	50%
	58	70%
	59	90%
	60	100%
30+ Years	All Ages	100%

The assumed rates of retirement were utilized by the prior actuary.

Termination Rates

% Terminating

During th	ne Year
Age	Rate
25 - 39	6.0%
40 - 44	2.0%
45+	0.0%

The assumed rates of termination were utilized by the prior actuary.

Disability Rates

See sample rates in table that follows.

Age	Probability of <u>Disablement</u>
25	0.2387%
30	0.2800%
35	0.3867%
40	0.5733%
45	1.0600%
50	1.8467%
55	3.0600%
60	4.7867%
65	0.0000%

45% of disabilities are assumed to be in Line of Duty. The disability assumptions were utilized by the prior actuary.

Marriage

80% of active participants are assumed to be married with spouses three years younger. This assumption was utilized by the prior actuary.

Actuarial Asset Method

All assets are valued at market value with an adjustment to uniformly spread actuarial investment gains and losses (as measured by actual market value investment return against expected market value investment return) over a five-year period.

Amortization Method

New UAAL amortization bases are amortized over 15 years.

Bases established prior to the valuation date are adjusted proportionally to match the Expected Unfunded Actuarial Accrued Liability as of the valuation date, in order to align prior year bases with the portion of the current year UAAL associated with prior year sources.

Funding Method

Entry Age Normal Actuarial Cost Method. The following loads are applied for determining the minimum required contribution:

Interest – None; assuming an October 1 deposit.

Salary - A full year, based on current 4.00% assumption.

GLOSSARY

Actuarial Value of Assets is the asset value used in the valuation to determine contribution requirements. It represents the plan's Market Value of Assets (see below), with adjustments according to the plan's Actuarial Asset Method. These adjustments produce a "smoothed" value that is likely to be less volatile from year to year than the Market Value of Assets.

<u>Entry Age Normal Cost Method</u> - Under this method, the normal cost is the sum of the individual normal costs for all active participants. For an active participant, the normal cost is the participant's normal cost accrual rate, multiplied by the participant's current compensation.

- (a) The normal cost accrual rate equals:
 - (i) the present value of future benefits for the participant, determined as of the participant's entry age, divided by
 - (ii) the present value of the compensation expected to be paid to the participant for each year of the participant's anticipated future service, determined as of the participant's entry age.
- (b) In calculating the present value of future compensation, the salary scale is applied both retrospectively and prospectively to estimate compensation in years prior to and subsequent to the valuation year based on the compensation used for the valuation.
- (c) The accrued liability is the sum of the individual accrued liabilities for all participants and beneficiaries. A participant's accrued liability equals the present value, at the participant's attained age, of future benefits less the present value at the participant's attained age of the individual normal costs payable in the future. A beneficiary's accrued liability equals the present value, at the beneficiary's attained age, of future benefits. The unfunded accrued liability equals the total accrued liability less the actuarial value of assets.
- (d) Under this method, the entry age used for each active participant is the participant's age at the time he or she would have commenced participation if the plan had always been in existence under current terms, or the age as of which he or she first earns service credits for purposes of benefit accrual under the current terms of the plan.

<u>Market Value of Assets</u> is the fair market value of plan assets as of the valuation date. This amount may be adjusted to produce an Actuarial Value of Assets for plan funding purposes.

Normal (Current Year's) Cost is the current year's cost for benefits yet to be funded. Under the Entry Age Normal cost method, it 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.

<u>Present Value of Benefits</u> is the single sum value on the valuation date of all future benefits to be paid to current plan participants.

<u>Total Annual Payroll</u> is the projected annual rate of pay for the fiscal year beginning on the valuation date of all covered Members.

<u>Total Required Contribution</u> 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.

<u>Unfunded Actuarial Accrued Liability (UAAL)</u> 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.

DISCUSSION OF RISK

ASOP No. 51, Assessment and Disclosure of Risk Associated with Measuring Pension Obligations and Determining Pension Plan Contributions, states that the actuary should identify risks that, in the actuary's professional judgment, may reasonably be anticipated to significantly affect the plan's future financial condition.

Throughout this report, actuarial results are determined using various actuarial assumptions. These results are based on the premise that all future plan experience will align with the plan's actuarial assumptions; however, there is no guarantee that actual plan experience will align with the plan's assumptions. It is possible that actual plan experience will differ from anticipated experience in an unfavorable manner that will negatively impact the plan's funded position.

Below are examples of ways in which plan experience can deviate from assumptions and the potential impact of that deviation. Typically, this results in an actuarial gain or loss representing the current-year financial impact on the plan's unfunded liability of the experience differing from assumptions; this gain or loss is amortized over a period of time determined by the plan's amortization method. When assumptions are selected that adequately reflect plan experience, gains and losses typically offset one another in the long term, resulting in a relatively low impact on the plan's contribution requirements associated with plan experience. When assumptions are too optimistic, losses can accumulate over time and the plan's amortization payment could potentially grow to an unmanageable level.

- <u>Investment Return</u>: When the rate of return on the Actuarial Value of Assets falls short of the assumption, this produces a loss representing assumed investment earnings that were not realized. Further, it is unlikely that the plan will experience a scenario that matches the assumed return in each year as capital markets can be volatile from year to year. Therefore, contribution amounts can vary in the future.
- <u>Salary Increases</u>: When a plan participant experiences a salary increase that was greater than assumed, this produces a loss representing the cost of an increase in anticipated plan benefits for the participant as compared to the previous year. The total gain or loss associated with salary increases for the plan is the sum of salary gains and losses for all active participants.
- <u>Demographic Assumptions:</u> Actuarial results take into account various potential events that could happen to a plan participant, such as retirement, termination, disability, and death. Each of these potential events is assigned a liability based on the likelihood of the event and the financial consequence of the event for the plan. Accordingly, actuarial liabilities reflect a blend of financial consequences associated with various possible outcomes (such as retirement at one of various possible ages). Once the outcome is known (e.g. the participant retires) the liability is adjusted to reflect the known outcome. This adjustment produces a gain or loss depending on whether the outcome was more or less favorable than other outcomes that could have occurred.

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. For example, closed 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 closed plans with a substantial inactive liability. Similarly, mature closed 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.

To assist with determining the maturity of the plan, we have provided some relevant metrics in the table following titled "Plan Maturity Measures and Other Risk Metrics". Highlights of this information are discussed below:

- The Support Ratio, determined as the ratio of active to inactive members, has decreased from 36.8% on October 1, 2019 to 29.1% on October 1, 2022, indicating that the plan has been maturing during the period.
- The Accrued Liability Ratio, determined as the ratio of the Inactive Accrued Liability, which is the liability associated with members who are no longer employed but are due a benefit from the plan, to the Total Accrued Liability, is 78.0%. With a plan of this maturity, losses due to lower than expected investment returns or demographic factors may result in larger increases in contribution requirements than would be needed for a less mature plan. Please note Chapter 112, Florida Statutes, requires that the plan sponsor contributes the minimum required contribution; thus, there is minimal solvency risk to the plan.
- The Funded Ratio, determined as the ratio of the Actuarial Value of Assets to the Total Accrued Liability, has increased from 76.5% on October 1, 2019 to 85.2% on October 1, 2022.
- The Net Cash Flow Ratio, determined as the ratio of the Net Cash Flow (contributions minus benefit payments and administrative expenses) to the Market Value of Assets, decreased from -1.1% on October 1, 2019 to -3.4% on October 1, 2022. The current Net Cash Flow Ratio of -3.4% indicates that contributions are not currently covering the plan's benefit payments and administrative expenses.

It is important to note that the actuary has identified the risks in this section as the most significant risks based on the characteristics of the plan and the nature of the project, however, it is not an exhaustive list of potential risks that could be considered. Additional advanced modeling, as well as the identification of additional risks, can be provided at the request of the audience addressed on page 2 of this report.

PLAN MATURITY MEASURES AND OTHER RISK METRICS

	10/1/2022	10/1/2021	10/1/2020	10/1/2019			
Support Ratio							
Total Actives Total Inactives ¹ Actives / Inactives ¹	55 189 29.1%	59 184 32.1%	62 186 33.3%	67 182 36.8%			
Asset Volatility Ratio							
Market Value of Assets (MVA) Covered Non-DROP Payroll MVA / Covered Non-DROP Payroll	109,616,680 4,037,524 2,714.9%	134,152,805 4,010,318 3,345.2%	111,724,639 3,959,536 2,821.7%	105,137,476 4,094,123 2,568.0%			
Accrued Liability (AL) Ratio							
Inactive Accrued Liability Total Accrued Liability (EAN) Inactive AL / Total AL	112,577,109 144,239,952 78.0%	108,576,297 140,251,882 77.4%	110,159,826 139,546,417 78.9%	108,996,114 137,383,741 79.3%			
Funded Ratio							
Actuarial Value of Assets (AVA) Total Accrued Liability (EAN) AVA / Total Accrued Liability (EAN)	122,927,837 144,239,952 85.2%	119,577,314 140,251,882 85.3%	110,431,718 139,546,417 79.1%	105,137,476 137,383,741 76.5%			
Net Cash Flow Ratio							
Net Cash Flow ² Market Value of Assets (MVA) Ratio	(3,758,168) 109,616,680 -3.4%	(2,452,108) 134,152,805 -1.8%	(2,433,345) 111,724,639 -2.2%	(1,107,366) 105,137,476 -1.1%			

¹ Excludes terminated participants awaiting a refund of member contributions.

² Determined as total contributions minus benefit payments and administrative expenses.

PARTIAL HISTORY OF PREMIUM TAX REFUNDS

Received During <u>Fiscal Year</u>	<u>Amount</u>	Increase from <u>Previous Year</u>
1998	619,399.23	%
1999	584,429.37	-5.6%
2000	579,318.13	-0.9%
2001	581,500.95	0.4%
2002	657,853.43	13.1%
2003	717,421.06	9.1%
2004	706,380.19	-1.5%
2005	662,758.94	-6.2%
2006	662,758.94	0.0%
2007	662,758.94	0.0%
2008	662,758.94	0.0%
2009	527,249.04	-20.4%
2010	486,189.84	-7.8%
2011	474,151.54	-2.5%
2012	477,013.80	0.6%
2013	473,910.37	-0.7%
2014	473,282.65	-0.1%
2015	512,807.52	8.4%
2016	533,483.40	4.0%
2017	542,276.76	1.6%
2018	572,693.45	5.6%
2019	601,682.12	5.1%
2020	623,810.51	3.7%
2021	640,286.22	2.6%
2022	683,115.97	6.7%

STATEMENT OF FIDUCIARY NET POSITION SEPTEMBER 30, 2022

ASSETS Cook and Cook Equivalents	COST VALUE	MARKET VALUE
Cash and Cash Equivalents: Short Term Investments	242.10	242.10
Checking Account	256,484.49	256,484.49
Money Market	1,743,523.38	1,743,523.38
Cash	52,457.81	52,457.81
Casii	32,437.01	52,437.01
Total Cash and Equivalents	2,052,707.78	2,052,707.78
Receivables:		
Member Contributions in Transit	8,564.48	8,564.48
City Contributions in Transit	164.80	164.80
Investment Income	274,457.14	274,457.14
Total Receivable	283,186.42	283,186.42
Investments:		
U. S. Bonds and Bills	12,841,704.84	11,235,536.22
Federal Agency Guaranteed Securities	8,759,255.83	7,917,192.93
Corporate Bonds	12,624,093.60	11,026,373.53
Stocks	52,614,045.56	54,026,911.88
Mutual Funds:		
Fixed Income	2,619,486.26	2,619,486.26
Pooled/Common/Commingled Funds:		
Equity	6,991,882.19	6,991,882.19
Real Estate	10,408,039.38	13,580,774.04
Total Investments	106,858,507.66	107,398,157.05
Total Assets	109,194,401.86	109,734,051.25
LIABILITIES		
Payables:		
Investment Expenses	108,496.47	108,496.47
Administrative Expenses	8,875.00	8,875.00
Total Liabilities	117,371.47	117,371.47
NET POSITION RESTRICTED FOR PENSIONS	109,077,030.39	109,616,679.78

STATEMENT OF CHANGES IN FIDUCIARY NET POSITION FOR THE YEAR ENDED SEPTEMBER 30, 2022 Market Value Basis

ADDITIONS

Contributions:

 Member
 214,372.00

 City
 3,972,023.22

 State
 683,115.97

Total Contributions 4,869,511.19

Investment Income:

Net Realized Gain (Loss) 1,516,366.75 Unrealized Gain (Loss) (24,601,434.95)

Net Increase in Fair Value of Investments (23,085,068.20)
Interest & Dividends 2,829,107.83
Less Investment Expense¹ (521,996.49)

Net Investment Income (20,777,956.86)

Total Additions (15,908,445.67)

DEDUCTIONS

Distributions to Members:

Benefit Payments7,388,756.23Lump Sum DROP Distributions1,171,925.86Refunds of Member Contributions0.00

Total Distributions 8,560,682.09

Administrative Expense 66,997.23

Total Deductions 8,627,679.32

Net Increase in Net Position (24,536,124.99)

NET POSITION RESTRICTED FOR PENSIONS

Beginning of the Year 134,152,804.77

End of the Year 109,616,679.78

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

ACTUARIAL ASSET VALUATION September 30, 2022

Actuarial Assets for funding purposes are developed by recognizing the total actuarial investment gain or loss for each Plan Year over a five year period. In the first year, 20% of the gain or loss is recognized. In the second year 40%, in the third year 60%, in the fourth year 80%, and in the fifth year 100% of the gain or loss is recognized. The actuarial investment gain or loss is defined as the actual return on investments minus the actuarial assumed investment return. Actuarial Assets shall not be less than 80% nor greater than 120% of Market Value of Assets.

not be less than 80%	noi greater than 120	o of market value	oi Asseis.				
		Gains/Losses N	ot Yet Recognized	1			
Plan Year							
Ending	Gain/(Loss)	2022	2023	2024	2025	2026	
09/30/2020	1,616,151	646,461	323,231	0	0	0	
09/30/2021	17,007,250	10,204,350	6,802,900	3,401,450	0	0	
09/30/2022	(30,202,460)	(24,161,968)	(18,121,476)	(12,080,984)	(6,040,492)	0	
Total		(13,311,157)	(10,995,345)	(8,679,534)	(6,040,492)	0	
		Development of In	nvestment Gain/Lo	<u>oss</u>			
Market Value of Ass	sets, 09/30/2021	-		134,152,805			
Contributions Less E	Benefit Payments & A	dmin Expenses		(3,758,168)			
Expected Investment	t Earnings*			9,424,503			
Actual Net Investme	nt Earnings			(20,777,957)			
2022 Actuarial Inves	stment Gain/(Loss)			(30,202,460)			
*Expected Investment	nt Earnings = 0.07125	5 * (134,152,805 - 0	.5 * 3,758,168)				
]	Development of Ac	tuarial Value of A	ssets			
(1) Market Value of Assets, 09/30/2022 109,616,680							
(2) Gains/(Losses) Not Yet Recognized			(13,311,157)				
(3) Actuarial Value of Assets, 09/30/2022, (1) - (2) 122,927,837							
(A) 09/30/2021 Actuarial Assets: 119,577,314							
(I) Net Investment In	ncome:						
1. Interest and Di	vidends			2,829,108			
2. Net Increase in	Fair Value of Investr	nents		(23,085,068)			
3. Change in Actu				27,886,648			
4. Investment Expenses				(521,996)			
	Total			7,108,691			
(B) 09/30/2022 Actu	arial Assets::			122,927,837			
Actuarial Assets Rat	e of Return = 2I/(A+I	B-I):		6.04%			
Market Value of Ass	sets Rate of Return:			-15.52%			

122,927,837

(1,277,308)

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10/01/2022 Limited Actuarial Assets:

Actuarial Gain/(Loss) due to Investment Return (Actuarial Asset Basis) City of Pensacola Police Officers' Retirement Plan

CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS SEPTEMBER 30, 2022 Actuarial Asset Basis

DEVENITIES

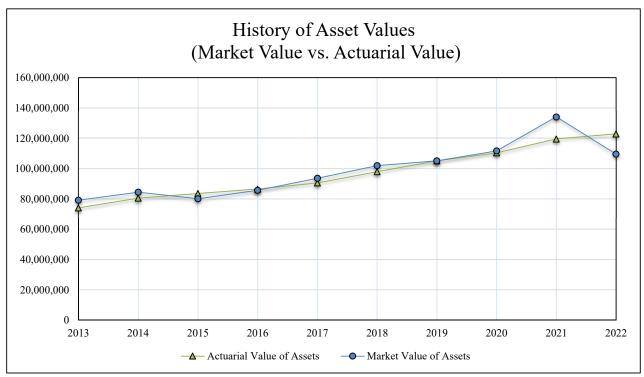
	REVENUES	
Contributions:		
Member	214,372.00	
City	3,972,023.22	
State	683,115.97	
Total Contributions		4,869,511.19
Earnings from Investments:		
Interest & Dividends	2,829,107.83	
Net Realized Gain (Loss)	1,516,366.75	
Unrealized Gain (Loss)	(24,601,434.95)	
Change in Actuarial Value	27,886,648.00	
Change in Freedom in Facility	27,000,010100	
Total Earnings and Investment Gains		7,630,687.63
	EXPENDITURES	
Distributions to Members:		
Benefit Payments	7,388,756.23	
Lump Sum DROP Distributions	1,171,925.86	
Refunds of Member Contributions	0.00	
Total Distributions		8,560,682.09
Expenses:		
Investment related ¹	521,996.49	
Administrative	66,997.23	
Total Expenses		588,993.72
Change in Net Assets for the Year		3,350,523.01
Net Assets Beginning of the Year		119,577,313.77

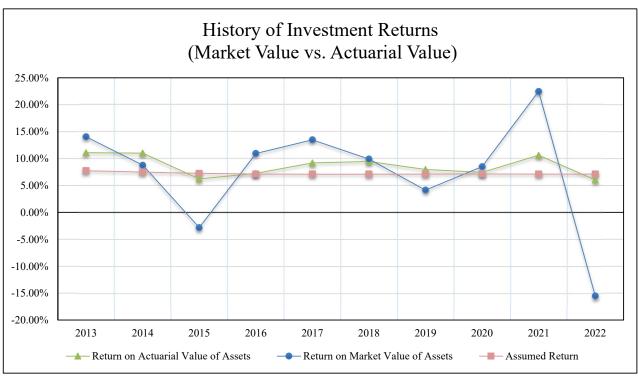
Net Assets End of the Year²

122,927,836.78

¹Investment related expenses include investment advisory, custodial and performance monitoring fees. ²Net Assets may be limited for actuarial consideration.

HISTORY OF ASSET VALUES AND INVESTMENT RETURNS





DEFERRED RETIREMENT OPTION PLAN ACTIVITY October 1, 2021 to September 30, 2022

Beginning of the Year Balance	1,291,192.86
Plus Additions	238,347.46
Investment Return Earned	8,518.34
Less Distributions	(1,171,925.86)
End of the Year Balance	366,132.80

STATISTICAL DATA

	10/1/2022	10/1/2021	10/1/2020	10/1/2019
Actives				
Number	55	59	62	67
Average Current Age	45.9	45.6	44.3	43.7
Average Age at Employment	26.9	27.1	26.9	27.1
Average Past Service	19.0	18.5	17.4	16.6
Average Annual Salary	\$73,410	\$70,940	\$66,712	\$62,407
Service Retirees				
Number	131	124	123	116
Average Current Age	66.0	65.8	65.8	65.5
Average Annual Benefit	\$50,309	\$48,736	\$47,421	\$47,001
DROP Retirees				
Number	3	6	9	12
Average Current Age	56.0	55.9	53.7	54.1
Average Annual Benefit	\$66,777	\$58,854	\$66,153	\$59,544
<u>Beneficiaries</u>				
Number	27	26	25	26
Average Current Age	74.8	74.1	74.2	74.7
Average Annual Benefit	\$25,813	\$24,147	\$25,251	\$23,336
Disability Retirees				
Number	13	13	15	15
Average Current Age	74.7	73.7	72.6	71.6
Average Annual Benefit	\$20,325	\$19,733	\$18,537	\$18,227
Terminated Vested				
Number	16	16	15	14
Average Current Age 1	43.7	42.7	43.8	43.0
Average Annual Benefit 1	\$15,783	\$15,783	\$12,438	\$10,015

¹ The Average Current Age and Average Annual Benefit exclude participants awaiting a refund of contributions.

AGE AND SERVICE DISTRIBUTION

PAST SERVICE

AGE	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30+	Total
15 - 19												0
20 - 24												0
25 - 29												0
30 - 34						1	1					2
35 - 39							2	4				6
40 - 44							3	9	1			13
45 - 49							3	4	9	2		18
50 - 54							1	3	8	2		14
55 - 59								1		1		2
60 - 64												0
65+												0
Total	0	0	0	0	0	1	10	21	18	5	0	55

VALUATION PARTICIPANT RECONCILIATION

1. Active lives

a. Number in prior valuation 10/1/2021	59			
b. Terminations				
i. Vested (partial or full) with deferred annuity	0			
ii. Vested in refund of member contributions only				
iii. Refund of member contributions or full lump sum distribution received	0			
c. Deaths				
i. Beneficiary receiving benefits	0			
ii. No future benefits payable	0			
d. Disabled	0			
e. Retired	(2)			
f. DROP	<u>(2)</u>			
g. Continuing participants	55			
h. New entrants / Rehires	0			
i. Total active life participants in valuation	55			

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

	Service Retirees, Vested Receiving	DROP	Receiving Death	Receiving Disability		Vested (Due	
	<u>Benefits</u>	<u>Benefits</u>	<u>Benefits</u>	<u>Benefits</u>	Annuity)	Refund)	<u>Total</u>
a. Number prior valuation	124	6	26	13	15	1	185
Retired	8	(5)	0	0	0	0	3
DROP	0	2	0	0	0	0	2
Vested (Deferred Annuity)	0	0	0	0	0	0	0
Vested (Due Refund)	0	0	0	0	0	0	0
Hired/Terminated in Same Year	0	0	0	0	0	0	0
Death, With Survivor	(1)	0	1	0	0	0	0
Death, No Survivor	0	0	0	0	0	0	0
Disabled	0	0	0	0	0	0	0
Refund of Contributions	0	0	0	0	0	0	0
Rehires	0	0	0	0	0	0	0
Expired Annuities	0	0	0	0	0	0	0
Data Corrections	0	0	0	0	0	0	0
b. Number current valuation	131	3	27	13	15	1	190

SUMMARY OF CURRENT PLAN

Eligibility Employees who are classified as full-time Police

Officers hired prior to January 1, 2013 shall participate

in the System as a condition of employment.

<u>Credited Service</u> Aggregate number of years of service and fractional

parts of years of service

Compensation Total cash compensation, educational incentive pay,

court pay, automobile and/or meals and uniform expense, accumulated sick leave at retirement and vacation pay at retirement, special duty pay, shift

differential pay, or special bonuses.

Effective January 1, 2013, compensation shall be limited to an officer's base pay and senior officer pay exclusive of overtime for earnings on or after January 1, 2013, but shall include overtime which had been earned as of

December 21, 2012.

<u>Average Final Compensation</u> Average Compensation for the best 2 years out of the

last 5 years of Credited Service for Members with 20 or more years of Credited Service as of January 1, 2013.

Average Compensation for the last 5 years of Credited Service for Members with less than 20 years of Credited

Service as of January 1, 2013.

Member Contributions 5.20% of Salary.

<u>City and State Contributions</u>

Remaining amount required in order to pay current costs

and amortize unfunded past service cost, if any, as provided in Part VII of Chapter 112, Florida Statutes.

Normal Retirement

Date Earlier of (1) Age 55 and 12 years of Credited Service,

or (2) 25 years of Credited Service, regardless of Age.

Benefit 3.00% of Average Final Compensation for each full year

of Credited Service.

Form of Benefit Ten Year Certain and Life Annuity (options available).

Early Retirement

Eligibility Age 50 and 12 Years of Credited Service.

Benefit Accrued benefit, reduced 3% per year for each year

preceding age 55.

Vesting

Less than 12 years of

Credited Service Refund of Member Contributions.

12 or more years of

Credited Service Accrued benefit payable at the Member's otherwise

Normal Retirement Date

or

Refund of Member Contributions

Disability

Eligibility

Line of Duty Total and permanent disability.

Non Line of Duty Total and permanent disability with at least 12 years of

Credited Service.

Benefit

Line of Duty 3.00% of Average Final Compensation for each full year

of Credited Service. Minimum benefit is 42% of AFC.

Non Line of Duty 3.00% of Average Final Compensation for each full year

of Credited Service. Minimum benefit is 25% of AFC.

Form of Benefit Payable as a 10-year Certain and Life Annuity. Options

available.

Death Benefits

Pre-Retirement

Line of Duty 3.00% of Average Final Compensation for each full year

of Credited Service. Minimum benefit is 42% of AFC.

Non Line of Duty For members with 12 or more years of Credited Service:

3.00% of Average Final Compensation for each full year of Credited Service. Minimum benefit is 25% of AFC.

For members with less than 12 years of Credited

Service: Refund of accumulated contributions without

interest.

Post-Retirement Benefits payable to beneficiary in accordance with

option selected at retirement.

Board of Trustees

- a. Two City Council appointees,
- b. Two Members of the Department elected by the membership, and
- c. Fifth Member chosen by a majority of the other four trustees

<u>Deferred Retirement Option Plan</u>

Eligibility Satisfaction of Retirement requirements.

Participation Not to exceed 60 months.

Rate of Return

Members who entered DROP Prior to January 1, 2013

4.00% annual interest.

Members who entered DROP On or after January 1, 2013

1.30% annual interest.

Form of Distribution

Cash lump sum (options available) at termination of employment.

Cost-of-Living Adjustment

Eligibility All members in payment status.

Increased annually effective each January 1st based on

Consumer Price Index as of the previous September 30th,

limited to 3.00% per year for retirees and DROP

participants. The limit is 2.00% per year after 10 years of benefit payments for retirees who retire on or after January 1, 2013. Additionally, Members who entered the DROP on or after January 1, 2013 shall not receive any cost-of-living adjustments while participating in the

DROP.

STATEMENT OF FIDUCIARY NET POSITION SEPTEMBER 30, 2022

<u>ASSETS</u>	MARKET VALUE
Cash and Cash Equivalents:	
Short Term Investments	242
Checking Account	256,485
Money Market	1,743,523
Cash	52,458
Total Cash and Equivalents	2,052,708
Receivables:	
Member Contributions in Transit	8,564
City Contributions in Transit	165
Investment Income	274,457
Total Receivable	283,186
Investments:	
U. S. Bonds and Bills	11,235,536
Federal Agency Guaranteed Securities	7,917,193
Corporate Bonds	11,026,374
Stocks	54,026,912
Mutual Funds:	
Fixed Income	2,619,486
Pooled/Common/Commingled Funds:	
Equity	6,991,882
Real Estate	13,580,774
Total Investments	107,398,157
Total Assets	109,734,051
<u>LIABILITIES</u>	
Payables:	
Investment Expenses	108,496
Administrative Expenses	8,875
Total Liabilities	117,371
NET POSITION RESTRICTED FOR PENSIONS	109,616,680

STATEMENT OF CHANGES IN FIDUCIARY NET POSITION FOR THE YEAR ENDED SEPTEMBER 30, 2022

Market Value Basis

ΑI	DD	IT	M	ZV

Contributions:

 Member
 214,372

 City
 3,972,023

 State
 683,116

Total Contributions 4,869,511

Investment Income:

Net Increase in Fair Value of Investments (23,085,068)
Interest & Dividends 2,829,108
Less Investment Expense¹ (521,997)

Net Investment Income (20,777,957)

Total Additions (15,908,446)

DEDUCTIONS

Distributions to Members:

Benefit Payments 7,388,756
Lump Sum DROP Distributions 1,171,926
Refunds of Member Contributions 0

Total Distributions 8,560,682

Administrative Expense 66,997

Total Deductions 8,627,679

Net Increase in Net Position (24,536,125)

NET POSITION RESTRICTED FOR PENSIONS

Beginning of the Year 134,152,805

End of the Year 109,616,680

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

NOTES TO THE FINANCIAL STATEMENTS

(For the Year Ended September 30, 2022)

Plan Administration

The Plan is a single-employer defined benefit pension plan administered by the Plan's Board of Trustees comprised of:

- a. Two City Council appointees,
- b. Two Members of the Department elected by the membership, and
- c. Fifth Member chosen by a majority of the other four.

Employees who are classified as full-time Police Officers hired prior to January 1, 2013 shall participate in the System as a condition of employment.

Plan Membership as of October 1, 2021:

Inactive Plan Members or Beneficiaries Currently Receiving Benefits	169
Inactive Plan Members Entitled to But Not Yet Receiving Benefits	16
Active Plan Members	59
	244

Benefits Provided

The Plan provides retirement, termination, disability and death benefits.

A summary of the benefit provisions can be found in the October 1, 2021 Actuarial Valuation Report for the City of Pensacola Police Officers' Retirement Plan prepared by Foster & Foster Actuaries and Consultants.

Contributions

Member: 5.20% of Salary.

City and State: Remaining amount required in order to pay current costs and amortize unfunded past service cost, if any, as provided in Part VII of Chapter 112, Florida Statutes.

Investment Policy:

The following was the Board's adopted asset allocation policy as of September 30, 2022:

Asset Class	Target Allocation
All Cap Value Equity	22.5%
Broad Growth Equity	22.5%
International Equity	15.0%
Broad Market Fixed Income	25.0%
Global Bond	5.0%
Real Estate	10.0%
Total	100.0%

Concentrations:

The Plan did not hold investments in any one organization that represent 5 percent or more of the Pension Plan's Fiduciary Net Position.

Rate of Return:

For the year ended September 30, 2022, the annual money-weighted rate of return on Pension Plan investments, net of Pension Plan investment expense, was -15.52 percent.

The money-weighted rate of return expresses investment performance, net of investment expense, adjusted for the changing amounts actually invested.

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<u>Deferred Retirement Option Program</u>

Eligibility: Satisfaction of Normal Retirement requirements.

Participation: Not to exceed 60 months.

Rate of Return Member who entered DROP Prior to January 1, 2013: 4.00% annual interest.

Rate of Return Member who entered DROP On or after January 1, 2013: 1.30% annual interest.

The DROP balance as September 30, 2022 is \$366,133.

NET PENSION LIABILITY OF THE SPONSOR

The components of the Net Pension Liability of the Sponsor on September 30, 2022 were as follows:

Total Pension Liability \$ 141,929,617

Plan Fiduciary Net Position \$ (109,616,680)

Less reserve accounts \$ 966,951

Sponsor's Net Pension Liability \$ 33,279,888

Plan Fiduciary Net Position as a percentage of Total Pension Liability 77.23%

Actuarial Assumptions:

The Total Pension Liability was determined by an actuarial valuation as of October 1, 2021 updated to September 30, 2022 using the following actuarial assumptions:

Inflation2.50%Salary Increases4.00%Discount Rate7.125%Investment Rate of Return7.125%

Mortality Rate Healthy Active Lives:

Female: PubS.H-2010 (Below Median) for Employees, set forward one year. Male: PubS.H-2010 (Below Median) for Employees, set forward one year.

Mortality Rate Healthy Retiree Lives:

Female: PubS.H-2010 for Healthy Retirees, set forward one year. Male: PubS.H-2010 for Healthy Retirees, set forward one year.

Mortality Rate Beneficiary Lives:

Female: PubG.H-2010 for Healthy Retirees.

Male: PubG.H-2010 for Healthy Retirees, set back one year.

Mortality Rate Disabled Lives:

80% PubG.H-2010 for Disabled Retirees / 20% PubS.H-2010 for Disabled Retirees.

All rates are projected generationally with Mortality Improvement Scale MP-2018. We feel this assumption sufficiently accommodates future mortality improvements.

The described mortality assumption rates were mandated by Chapter 2015-157, Laws of Florida. This law mandates the use of the assumptions used in either of the two most recent valuations of the Florida Retirement System (FRS). The above rates are those outlined in Milliman's July 1, 2021 FRS valuation report for special risk employees, with appropriate adjustments made based on plan demographics.

15% of active deaths are assumed to be service-incurred.

The most recent actuarial experience study used to review the other significant assumptions was not available.

The Long-Term Expected Rate of Return on Pension Plan investments can be determined using a building-block method in which best-estimate ranges of expected future real rates of return (expected returns, net of Pension Plan investment expenses and inflation) are developed for each major asset class.

For 2022 the inflation rate assumption of the investment advisor was 2.50%.

These ranges are combined to produce the Long-Term Expected Rate of Return by weighting the expected future real rates of return by the target asset allocation percentage and by adding expected inflation.

Best estimates of arithmetic real rates of return for each major asset class included in the Pension Plan's target asset allocation as of September 30, 2022 are summarized in the following table:

	Long Term Expected Real Rate of
Asset Class	Return ¹
All Cap Value Equity	7.50%
Broad Growth Equity	7.50%
International Equity	8.50%
Broad Market Fixed Income	2.50%
Global Bond	3.50%
Real Estate	4.50%

¹ Source: AndCo Consulting

Discount Rate:

The Discount Rate used to measure the Total Pension Liability was 7.125 percent.

The projection of cash flows used to determine the Discount Rate assumed that Plan Member contributions will be made at the current contribution rate and that Sponsor contributions will be made at rates equal to the difference between actuarially determined contribution rates and the Member rate. Based on those assumptions, the Pension Plan's Fiduciary Net Position was projected to be available to make all projected future benefit payments of current plan members. Therefore, the Long-Term Expected Rate of Return on Pension Plan investments was applied to all periods of projected benefit payments to determine the Total Pension Liability.

	Current		
	1% Decrease	Discount Rate	1% Increase
	6.125%	7.125%	8.125%
Sponsor's Net Pension Liability	\$ 51,335,263	\$ 33,279,888	\$ 18,418,101

SCHEDULE OF CHANGES IN NET PENSION LIABILITY AND RELATED RATIOS Last 2 Fiscal Years

	09/30/2022	09/30/2021
Total Pension Liability		
Service Cost	794,084	785,361
Interest	9,893,600	9,624,254
Changes of benefit terms	-	-
Differences between Expected and Actual Experience	(2,541,190)	1,350,334
Changes of assumptions	-	-
Benefit Payments, including Refunds of Employee Contributions	 (8,560,682)	(7,416,057)
Net Change in Total Pension Liability	\$ (414,188)	4,343,892
Total Pension Liability - Beginning	\$ 142,343,805	137,999,913
Total Pension Liability - Ending (a)	\$ 141,929,617	\$ 142,343,805
Plan Fiduciary Net Position		
Contributions - Employer	3,972,023	4,157,135
Contributions - State	683,116	640,286
Contributions - Employee	214,372	215,050
Net Investment Income	(20,777,957)	24,880,274
Benefit Payments, including Refunds of Employee Contributions	(8,560,682)	(7,416,057)
Administrative Expense	(66,997)	(48,522)
Net Change in Plan Fiduciary Net Position	(24,536,125)	22,428,166
Plan Fiduciary Net Position - Beginning	134,152,805	111,724,639
	\$ 109,616,680	\$ 134,152,805
Less reserve accounts	\$ 966,951	\$ 878,884
Plan Fiduciary Net Position - Ending (b)	\$ 108,649,729	\$ 133,273,921
Net Pension Liability - Ending (a) - (b)	\$ 33,279,888	\$ 9,069,884
Plan Fiduciary Net Position as a percentage of the Total Pension Liability	77.23%	94.25%
Covered Payroll	\$ 4,122,527	\$ 4,135,565
Net Pension Liability as a percentage of Covered Payroll	807.27%	219.31%

SCHEDULE OF CONTRIBUTIONS

Last 2 Fiscal Years

		Contributions in relation to the				
	Actuarially	Actuarially				Contributions as a
	Determined	Determined	Con	itribution		percentage of
Fiscal Year Ended	Contribution	Contributions ¹	Deficie	ncy (Excess)	Covered Payroll	Covered Payroll
 09/30/2022	\$4,591,571	\$4,591,571	\$	-	\$4,122,527	111.38%
09/30/2021	\$4,757,576	\$4,757,576	\$	_	\$4,135,565	115.04%

¹ Including amounts from Contribution Surplus Account.

Notes to Schedule

Valuation Date: 10/01/2020

Actuarially determined contribution rates are calculated as of October 1, two years prior to the end of the fiscal year in which contributions are reported.

Methods and assumptions used to determine contribution rates can be found in the October 1, 2020 Actuarial Valuation for the City of Pensacola Police Officers' Retirement Plan prepared by Foster & Foster Actuaries and Consultants.

SCHEDULE OF INVESTMENT RETURNS

Last 2 Fiscal Years

Annual Money-Weighted Rate of Return

Fiscal Year Ended	Net of Investment Expense	
09/30/2022	-15.52%	
09/30/2021	22.47%	

NOTES TO THE FINANCIAL STATEMENTS

(For the Year Ended September 30, 2023)

Plan Description

The Plan is a single-employer defined benefit pension plan administered by the Plan's Board of Trustees comprised of:

- a. Two City Council appointees,
- b. Two Members of the Department elected by the membership, and
- c. Fifth Member chosen by a majority of the other four.

Employees who are classified as full-time Police Officers hired prior to January 1, 2013 shall participate in the System as a condition of employment.

Plan Membership as of October 1, 2021:

Inactive Plan Members or Beneficiaries Currently Receiving Benefits	169
Inactive Plan Members Entitled to But Not Yet Receiving Benefits	16
Active Plan Members	59_
	244

Benefits Provided

The Plan provides retirement, termination, disability and death benefits.

A summary of the benefit provisions can be found in the October 1, 2021 Actuarial Valuation Report for the City of Pensacola Police Officers' Retirement Plan prepared by Foster & Foster Actuaries and Consultants.

Contributions

Member: 5.20% of Salary.

City and State: Remaining amount required in order to pay current costs and amortize unfunded past service cost, if any, as provided in Part VII of Chapter 112, Florida Statutes.

Net Pension Liability

The measurement date is September 30, 2022.

The measurement period for the pension expense was October 1, 2021 to September 30, 2022.

The reporting period is October 1, 2022 through September 30, 2023.

The Sponsor's Net Pension Liability was measured as of September 30, 2022.

The Total Pension Liability used to calculate the Net Pension Liability was determined as of that date.

Actuarial Assumptions:

The Total Pension Liability was determined by an actuarial valuation as of October 1, 2021 updated to September 30, 2022 using the following actuarial assumptions:

Inflation	2.50%
Salary Increases	4.00%
Discount Rate	7.125%
Investment Rate of Return	7.125%

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Mortality Rate Healthy Active Lives:

Female: PubS.H-2010 (Below Median) for Employees, set forward one year. Male: PubS.H-2010 (Below Median) for Employees, set forward one year.

Mortality Rate Healthy Retiree Lives:

Female: PubS.H-2010 for Healthy Retirees, set forward one year. Male: PubS.H-2010 for Healthy Retirees, set forward one year.

Mortality Rate Beneficiary Lives:

Female: PubG.H-2010 for Healthy Retirees.

Male: PubG.H-2010 for Healthy Retirees, set back one year.

Mortality Rate Disabled Lives:

80% PubG.H-2010 for Disabled Retirees / 20% PubS.H-2010 for Disabled Retirees.

All rates are projected generationally with Mortality Improvement Scale MP-2018. We feel this assumption sufficiently accommodates future mortality improvements.

The described mortality assumption rates were mandated by Chapter 2015-157, Laws of Florida. This law mandates the use of the assumptions used in either of the two most recent valuations of the Florida Retirement System (FRS). The above rates are those outlined in Milliman's July 1, 2021 FRS valuation report for special risk employees, with appropriate adjustments made based on plan demographics.

The most recent actuarial experience study used to review the other significant assumptions was not available.

The Long-Term Expected Rate of Return on Pension Plan investments can be determined using a building-block method in which best-estimate ranges of expected future real rates of return (expected returns, net of Pension Plan investment expenses and inflation) are developed for each major asset class.

For 2022 the inflation rate assumption of the investment advisor was 2.50%.

These ranges are combined to produce the Long-Term Expected Rate of Return by weighting the expected future real rates of return by the target asset allocation percentage and by adding expected inflation.

Best estimates of arithmetic real rates of return for each major asset class included in the Pension Plan's target asset allocation as of September 30, 2022 are summarized in the following table:

Asset Class	Target Allocation	Long Term Expected Real Rate of Return ¹
All Cap Value Equity	22.50%	7.50%
Broad Growth Equity	22.50%	7.50%
International Equity	15.00%	8.50%
Broad Market Fixed Income	25.00%	2.50%
Global Bond	5.00%	3.50%
Real Estate	10.00%	4.50%
Total	100.00%	

¹ Source: AndCo Consulting

Discount Rate:

The Discount Rate used to measure the Total Pension Liability was 7.125 percent.

The projection of cash flows used to determine the Discount Rate assumed that Plan Member contributions will be made at the current contribution rate and that Sponsor contributions will be made at rates equal to the difference between actuarially determined contribution rates and the Member rate. Based on those assumptions, the Pension Plan's Fiduciary Net Position was projected to be available to make all projected future benefit payments of current plan members. Therefore, the Long-Term Expected Rate of Return on Pension Plan investments was applied to all periods of projected benefit payments to determine the Total Pension Liability.

CHANGES IN NET PENSION LIABILITY

	Increase (Decrease)						
	Total Pension Liability	Plan Fiduciary Net Position	Net Pension Liability				
	(a)	(b)	(a)-(b)				
Reporting Period Ending September 30, 2022	\$ 142,343,805	\$ 133,273,921	\$ 9,069,884				
Changes for a Year:							
Service Cost	794,084	-	794,084				
Interest	9,893,600	-	9,893,600				
Differences between Expected and Actual Experience	(2,541,190)	-	(2,541,190)				
Changes of assumptions	-	-	-				
Changes of benefit terms	-	-	-				
Contributions - Employer	-	3,972,023	(3,972,023)				
Contributions - State	-	683,116	(683,116)				
Contributions - Employee	-	214,372	(214,372)				
Net Investment Income	-	(20,777,957)	20,777,957				
Benefit Payments, including Refunds of Employee Contributions	(8,560,682)	(8,560,682)	-				
Administrative Expense	-	(66,997)	66,997				
Change in reserve accounts		(88,067)	88,067				
Net Changes	(414,188)	(24,624,192)	24,210,004				
Reporting Period Ending September 30, 2023	\$ 141,929,617	\$ 108,649,729	\$ 33,279,888				

Sensitivity of the Net Pension Liability to changes in the Discount Rate.

	Current Discount						
	1% Decrease			Rate		% Increase	
_		6.125%		7.125%		8.125%	
Sponsor's Net Pension Liability	\$	51,335,263	\$	33,279,888	\$	18,418,101	

Pension Plan Fiduciary Net Position.

Detailed information about the pension Plan's Fiduciary Net Position is available in a separately issued Plan financial report.

FINAL PENSION EXPENSE AND DEFERRED OUTFLOWS OF RESOURCES AND DEFERRED INFLOWS OF RESOURCES RELATED TO PENSIONS

FISCAL YEAR SEPTEMBER 30, 2022

For the year ended September 30, 2022, the Sponsor has recognized a Pension Expense of -\$1,855,972. On September 30, 2022, the Sponsor reported Deferred Outflows of Resources and Deferred Inflows of Resources related to pensions from the following sources:

	Deferred Outflows of Resources	Deferred Inflows of Resources
Differences between Expected and Actual Experience	675,167	-
Changes of assumptions	-	-
Net difference between Projected and Actual Earnings on Pension Plan investments	-	13,961,145
Employer and State contributions subsequent to the measurement date	4,655,139	
Total	\$ 5,330,306	\$ 13,961,145

The outcome of the Deferred Outflows of resources related to pensions resulting from Employer and State contributions subsequent to the measurement date will be recognized as a reduction of the Net Pension Liability in the year ended September 30, 2022. Other amounts reported as Deferred Outflows of Resources and Deferred Inflows of Resources related to pensions will be recognized in Pension Expense as follows:

Year ended September 30:	
2023	\$ (3,022,177)
2024	\$ (3,137,671)
2025	\$ (3,724,680)
2026	\$ (3,401,450)
2027	\$ -
Thereafter	\$ -

PRELIMINARY PENSION EXPENSE AND DEFERRED OUTFLOWS OF RESOURCES AND DEFERRED INFLOWS OF RESOURCES RELATED TO PENSIONS

FISCAL YEAR SEPTEMBER 30, 2023

For the year ended September 30, 2023, the Sponsor will recognize a Pension Expense of -\$2,951,593. On September 30, 2023, the Sponsor reported Deferred Outflows of Resources and Deferred Inflows of Resources related to pensions from the following sources:

	Deferred Outflows of Resources	Deferred Inflows of Resources
Differences between Expected and Actual Experience	-	1,270,595
Changes of assumptions	-	-
Net difference between Projected and Actual Earnings on Pension Plan investments	13,898,167	-
Employer and State contributions subsequent to the measurement date	TBD	_
Total	TBD	\$ 1,270,595

The outcome of the Deferred Outflows of resources related to pensions resulting from Employer and State contributions subsequent to the measurement date will be recognized as a reduction of the Net Pension Liability in the year ended September 30, 2023. Other amounts reported as Deferred Outflows of Resources and Deferred Inflows of Resources related to pensions will be recognized in Pension Expense as follows:

Year ended September 30:	
2024	\$ 1,632,226
2025	\$ 2,315,812
2026	\$ 2,639,042
2027	\$ 6,040,492
2028	\$ -
Thereafter	\$ -

SCHEDULE OF CHANGES IN NET PENSION LIABILITY AND RELATED RATIOS Last 2 Fiscal Years

Reporting Period Ending	09/30/2023	09/30/2022
Measurement date	09/30/2022	09/30/2021
Total Pension Liability		
Service Cost	794,084	785,361
Interest	9,893,600	9,624,254
Changes of benefit terms	-	-
Differences between Expected and Actual Experience	(2,541,190)	1,350,334
Changes of assumptions	-	-
Benefit Payments, including Refunds of Employee Contributions	(8,560,682)	(7,416,057)
Net Change in Total Pension Liability	\$ (414,188)	\$ 4,343,892
Total Pension Liability - Beginning	\$ 142,343,805	\$137,999,913
Total Pension Liability - Ending (a)	\$ 141,929,617	\$142,343,805
Plan Fiduciary Net Position		
Contributions - Employer	3,972,023	4,157,135
Contributions - State	683,116	640,286
Contributions - Employee	214,372	215,050
Net Investment Income	(20,777,957)	24,880,274
Benefit Payments, including Refunds of Employee Contributions	(8,560,682)	(7,416,057)
Administrative Expense	(66,997)	(48,522)
Net Change in Plan Fiduciary Net Position	(24,536,125)	22,428,166
Plan Fiduciary Net Position - Beginning	134,152,805	111,724,639
	\$ 109,616,680	\$ 134,152,805
Less reserve accounts	\$ 966,951	\$ 878,884
Plan Fiduciary Net Position - Ending (b)	\$ 108,649,729	\$133,273,921
Net Pension Liability - Ending (a) - (b)	\$ 33,279,888	\$ 9,069,884
Plan Fiduciary Net Position as a percentage of the Total Pension Liability	77.23%	94.25%
Covered Payroll	\$ 4,122,527	\$ 4,135,565
Net Pension Liability as a percentage of Covered Payroll	807.27%	219.3%

SCHEDULE OF CONTRIBUTIONS

Last 2 Fiscal Years

		Contributions in relation to the				
	Actuarially	Actuarially				Contributions as a
	Determined	Determined	Contribut	ion		percentage of
Fiscal Year Ended	Contribution	Contributions ¹	Deficiency (E	Deficiency (Excess)		Covered Payroll
09/30/2022	\$4,591,571	\$4,591,571	\$	-	\$4,122,527	111.38%
09/30/2021	\$4,757,576	\$4,757,576	\$	_	\$4.135.565	115.04%

¹ Including amounts from Contribution Surplus Account.

Notes to Schedule

Valuation Date: 10/01/2020

Actuarially determined contribution rates are calculated as of October 1, two years prior to the end of the fiscal year in which contributions are reported.

Methods and assumptions used to determine contribution rates can be found in the October 1, 2020 Actuarial Valuation for the City of Pensacola Police Officers' Retirement Plan prepared by Foster & Foster Actuaries and Consultants.

EXPENSE DEVELOPMENT AND AMORTIZATION SCHEDULES

The f	ollowing	informat	tion is n	ot required	to be	disclose	d but is	provided	for inform	ational	purp	oses.
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FINAL COMPONENTS OF PENSION EXPENSE FISCAL YEAR SEPTEMBER 30, 2022

	Net Pension Liability	Deferred Inflows	Deferred Outflows	Pension Expense
Beginning balance	\$ 27,044,833	\$ 3,987,757	\$ 6,820,756	\$ -
Employer and State Contributions made after 09/30/2021	-	-	4,655,139	-
Total Pension Liability Factors:				
Service Cost	785,361	-	-	785,361
Interest	9,624,254	-	-	9,624,254
Changes in benefit terms	-	-	-	-
Differences between Expected and Actual Experience				
with regard to economic or demographic assumptions	1,350,334	-	1,350,334	-
Current year amortization of experience difference	-	-	(1,479,037)	1,479,037
Change in assumptions about future economic or				
demographic factors or other inputs	-	-	-	-
Current year amortization of change in assumptions	-	(989,420)	-	(989,420)
Benefit Payments, including Refunds of Employee				
Contributions	(7,416,057)			
Net change	4,343,892	(989,420)	(128,703)	10,899,232
Plan Fiduciary Net Position:				
Contributions - Employer	4,157,135	-	(4,157,135)	-
Contributions - State	640,286	-	(640,286)	-
Contributions - Employee	215,050	-	-	(215,050)
Projected Net Investment Income	7,873,024	-	-	(7,873,024)
Difference between projected and actual earnings on				
Pension Plan investments	17,007,250	17,007,250	-	-
Current year amortization	-	(5,411,986)	(587,009)	(4,824,977)
Benefit Payments, including Refunds of Employee				
Contributions	(7,416,057)	-	-	-
Administrative Expenses	(48,522)	-	-	48,522
Other: Change in reserve accounts	(109,325)	-	-	109,325
Net change	22,318,841	11,595,264	(5,384,430)	(12,755,204)
Ending Balance	\$ 9,069,884	\$ 14,593,601	\$ 5,962,762	\$ (1,855,972)

PRELIMINARY COMPONENTS OF PENSION EXPENSE FISCAL YEAR SEPTEMBER 30, 2023

	Net Pension Liability	Deferred Inflows	Deferred Outflows	Pension Expense
Beginning balance	\$ 9,069,884	\$ 14,593,601	\$ 5,962,762	Expense
Employer and State Contributions made after 09/30/2022	-	-	TBD*	-
Total Pension Liability Factors:				
Service Cost	794,084	-	-	794,084
Interest	9,893,600	-	-	9,893,600
Changes in benefit terms	-	-	-	-
Differences between Expected and Actual Experience				
with regard to economic or demographic assumptions	(2,541,190)	2,541,190	-	-
Current year amortization of experience difference	-	(1,270,595)	(675,167)	(595,428)
Change in assumptions about future economic or				
demographic factors or other inputs	-	-	-	-
Current year amortization of change in assumptions	-	-	-	-
Benefit Payments, including Refunds of Employee				
Contributions	(8,560,682)	-	-	-
Net change	(414,188)	1,270,595	(675,167)	10,092,256
Plan Fiduciary Net Position:				
Contributions - Employer	3,972,023	-	(3,972,023)	-
Contributions - State	683,116	-	(683,116)	-
Contributions - Employee	214,372	-	-	(214,372)
Projected Net Investment Income	9,424,503	-	-	(9,424,503)
Difference between projected and actual earnings on				
Pension Plan investments	(30,202,460)	-	30,202,460	-
Current year amortization	-	(4,284,353)	(6,627,501)	2,343,148
Benefit Payments, including Refunds of Employee				
Contributions	(8,560,682)	-	-	-
Administrative Expenses	(66,997)	-	-	66,997
Other: Change in reserve accounts	(88,067)	-	-	88,067
Net change	(24,624,192)	(4,284,353)	18,919,820	(7,140,663)
Ending Balance	\$ 33,279,888	\$ 11,579,843	TBD	\$ 2,951,593

^{*} Employer and State Contributions subsequent to the measurement date made after September 30, 2022 but made on or before September 30, 2023 need to be added.

AMORTIZATION SCHEDULE - INVESTMENTS

Increase (Decrease) in Pension Expense Arising from the Recognition of the of Differences Between Projected and Actual Earnings on Pension Plan Investments

	Differences Between												
Plan Year	Projected and Actual	Recognition											
Ending	Earnings	Period (Years)	2022	2023	2024	2025	2026	2027	2028	2029	2030	20	031
2022	\$ 30,202,460	5	\$ -	\$ 6,040,492	\$ 6,040,492	\$ 6,040,492	\$ 6,040,492	\$ 6,040,492	\$	- \$	- \$	- \$	-
2021	\$ (17,007,250)	5	\$(3,401,450)	\$(3,401,450)	\$(3,401,450)	\$(3,401,450)	\$(3,401,450)	\$ -	\$	- \$	- \$	- \$	-
2020	\$ (1,616,151)	5	\$ (323,230)	\$ (323,230)	\$ (323,230)	\$ (323,230)	\$ -	\$ -	\$	- \$	- \$	- \$	-
2019	\$ 2,935,045	5	\$ 587,009	\$ 587,009	\$ 587,009	\$ -	\$ -	\$ -	\$	- \$	- \$	- \$	-
2018	\$ (2,798,363)	5	\$ (559,673)	\$ (559,673)	\$ -	\$ -	\$ -	\$ -	\$	- \$	- \$	- \$	-
2017	\$ (5,638,164)	5	\$(1,127,633)	\$ -	\$ -	\$ -	\$ -	\$ -	\$	- \$	- \$	- \$	-
Net Increase	e (Decrease) in Pension	Expense	\$(4,824,977)	\$ 2,343,148	\$ 2,902,821	\$ 2,315,812	\$ 2,639,042	\$ 6,040,492	\$	- \$	- \$	- \$	

City of Pensacola Police Officers' Retirement Plan

AMORTIZATION SCHEDULE - CHANGES OF ASSUMPTIONS

Increase (Decrease) in Pension Expense Arising from the Recognition of the Effects of Changes of Assumptions

Plan Year Ending	Changes of Assumptions	Recognition Period (Years)	2022	2023	2024	202	25 2026	2027	2028	2029	2030	2031
2020	\$ (1,978,840) 2	\$ (989,420) \$		- \$	- \$	- \$	- \$	- \$	- \$ -	\$	- \$ -
Net Increase	(Decrease) in Pension	\$ (989,420) \$		- \$	- \$	- \$	- \$	- \$	- \$ -	\$	- \$ -	

AMORITZATION SCHEDULE - EXPERIENCE

Increase (Decrease) in Pension Expense Arising from the Recognition of the Effects of Differences between Expected and Actual Experience

		fferences Between																				
Plan Year	Ex	pected and Actual	Recognition																			
Ending		Experience	Period (Years)	2022		2023		2024	2025		2026		2027		2028		2029		 2030		2031	
2022	\$	(2,541,190)	2	\$ -	. \$	(1,270,595)	\$(1,270,595)	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
2021	\$	1,350,334	2	\$ 675,167	\$	675,167	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
2020	\$	699,810	2	\$ 349,905	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
2019	\$	1,361,896	3	\$ 453,965	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Net Increase (Decrease) in Pension Expense				\$ 1,479,037	\$	(595,428)	\$(1,270,595)	\$	-	\$	-	\$ •	-	\$	-	\$	-	\$	-	\$	-