

CITY OF FORT MEADE  
POLICE OFFICERS' RETIREMENT PLAN  
ACTUARIAL VALUATION  
AS OF OCTOBER 1, 2022  
CONTRIBUTIONS APPLICABLE TO THE  
PLAN/FISCAL YEAR ENDING SEPTEMBER 30, 2023  
GASB 67/68 DISCLOSURE INFORMATION  
AS OF SEPTEMBER 30, 2022



**FOSTER & FOSTER**  
ACTUARIES AND CONSULTANTS

March 7, 2023

Board of Trustees  
City of Fort Meade  
Police Officers' Pension Board

Re: City of Fort Meade 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 Fort Meade 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 Fort Meade, 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 Fort Meade, 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:   
\_\_\_\_\_  
Douglas H. Lozen, EA, MAAA  
Enrolled Actuary #20-7778

By:   
\_\_\_\_\_  
Kevin H. Peng, ASA, EA, MAAA  
Enrolled Actuary #20-7783

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Enclosures

## TABLE OF CONTENTS

Section	Title	Page
I	Introduction	
	a. Summary of Report	6
	b. Changes Since Prior Valuation	7
	c. Comparative Summary of Principal Valuation Results	8
II	Valuation Information	
	a. Reconciliation of Unfunded Actuarial Accrued Liabilities	14
	b. Detailed Actuarial (Gain)/Loss Analysis	15
	c. History of Funding Progress	16
	d. Actuarial Assumptions and Methods	17
	e. Glossary	19
	f. Discussion of Risk	20
III	Trust Fund	23
IV	Member Statistics	
	a. Statistical Data	29
	b. Valuation Participant Reconciliation	30
V	Summary of Current Plan	31
VI	Governmental Accounting Standards Board Statements No. 67 and No. 68 Disclosure Information	33

SUMMARY OF REPORT

The regular annual actuarial valuation of the City of Fort Meade 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, 2023.

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

Valuation Date	10/1/2022	10/1/2021
Applicable to Fiscal Year Ending	<u>9/30/2023</u>	<u>9/30/2022</u>
Minimum Required Contribution	\$17,876	\$16,810

<sup>1</sup> Please note that the City has access to a prepaid contribution of \$5,578.00 that is available to offset a portion of the above stated requirements for the fiscal year ending September 30, 2023. The Minimum Required Contribution is based on the statutory Normal Cost Minimum plus expected Administrative Expenses. Please refer to the Funding Method description in the Actuarial Assumptions and Methods section for additional information.

As you can see, the Minimum Required Contribution shows an increase when compared to the results determined in the October 1, 2021 actuarial valuation report. The increase is attributable to an increase in the level of administrative expense.

Plan experience was unfavorable overall on the basis of the plan's actuarial assumptions. Sources of actuarial loss included an investment return of 4.81% (Actuarial Asset Basis) which fell short of the 6.75% assumption and inactive mortality experience. There were no significant sources of actuarial gain.

## 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

	<u>10/1/2022</u>	<u>10/1/2021</u>
A. Participant Data		
Actives	0	0
Service Retirees	5	5
Beneficiaries	0	0
Disability Retirees	0	0
Terminated Vested	<u>4</u>	<u>4</u>
Total	9	9
Payroll Under Assumed Ret. Age	0	0
Annual Rate of Payments to:		
Service Retirees	60,788	60,788
Beneficiaries	0	0
Disability Retirees	0	0
Terminated Vested	38,613	38,613
B. Assets		
Actuarial Value (AVA)	1,231,302	1,234,934
Market Value (MVA)	1,099,335	1,334,600
C. Liabilities		
Present Value of Benefits		
Actives		
Retirement Benefits	0	0
Disability Benefits	0	0
Death Benefits	0	0
Vested Benefits	0	0
Refund of Contributions	0	0
Service Retirees	563,559	578,254
Beneficiaries	0	0
Disability Retirees	0	0
Terminated Vested	<u>378,220</u>	<u>352,210</u>
Total	941,779	930,464



C. Liabilities - (Continued)	<u>10/1/2022</u>	<u>10/1/2021</u>
Present Value of Future Salaries	0	0
Present Value of Future Member Contributions	0	0
Normal Cost (Retirement)	0	0
Normal Cost (Disability)	0	0
Normal Cost (Death)	0	0
Normal Cost (Vesting)	0	0
Normal Cost (Refunds)	<u>0</u>	<u>0</u>
Total Normal Cost	0	0
Present Value of Future Normal Costs	0	0
Accrued Liability (Retirement)	0	0
Accrued Liability (Disability)	0	0
Accrued Liability (Death)	0	0
Accrued Liability (Vesting)	0	0
Accrued Liability (Refunds)	0	0
Accrued Liability (Inactives)	<u>941,779</u>	<u>930,464</u>
Total Actuarial Accrued Liability (EAN AL)	941,779	930,464
Unfunded Actuarial Accrued Liability (UAAL)	(289,523)	(304,470)
Funded Ratio (AVA / EAN AL)	130.7%	132.7%

D. Actuarial Present Value of Accrued Benefits	<u>10/1/2022</u>	<u>10/1/2021</u>
Vested Accrued Benefits		
Inactives	941,779	930,464
Actives	0	0
Member Contributions	0	0
Total	<u>941,779</u>	<u>930,464</u>
Non-vested Accrued Benefits	<u>0</u>	<u>0</u>
Total Present Value		
Accrued Benefits (PVAB)	941,779	930,464
Funded Ratio (MVA / PVAB)	116.7%	143.4%
Increase (Decrease) in Present Value of Accrued Benefits Attributable to:		
Plan Amendments	0	
Assumption Changes	0	
Plan Experience	11,348	
Benefits Paid	(60,788)	
Interest	60,755	
Other	0	
Total	<u>11,315</u>	

Valuation Date	10/1/2022	10/1/2021
Applicable to Fiscal Year Ending	<u>9/30/2023</u>	<u>9/30/2022</u>
E. Pension Cost		
Normal Cost <sup>1</sup>	\$0	\$0
Administrative Expenses <sup>1</sup>	17,876	16,810
Payment Required to Amortize Unfunded Actuarial Accrued Liability over 15 years (as of 10/1/2022) <sup>1</sup>	(28,951)	(29,597)
Minimum Required Contribution <sup>2</sup>	17,876	16,810
Expected Member Contributions <sup>1</sup>	0	0
Expected City and State Contribution	17,876	16,810
F. Past Contributions		
Plan Years Ending:	<u>9/30/2022</u>	
City and State Requirement	16,810	
Actual Contributions Made:		
City	16,810	
G. Net Actuarial (Gain)/Loss	36,255	

<sup>1</sup> Contributions developed as of 10/1/2022 displayed above includes an interest adjustment to account for the timing of sponsor contributions.

<sup>2</sup> Reflects normal cost minimum funding requirements of Chapter 112, Florida Statutes.

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

<u>Year</u>	<u>Projected Unfunded Actuarial Accrued Liability</u>
2022	(289,523) <sup>1</sup>

I. 5 Year Comparison of Investment Return on Market Value and Actuarial Value

		<u>Market Value</u>	<u>Actuarial Value</u>	<u>Assumed</u>
Year Ended	9/30/2022	-13.27%	4.81%	6.75%
Year Ended	9/30/2021	19.40%	10.06%	7.00%
Year Ended	9/30/2020	6.20%	7.87%	7.00%
Year Ended	9/30/2019	4.98%	6.53%	7.00%
Year Ended	9/30/2018	7.55%	7.67%	7.50%

<sup>1</sup> Based on current State law and the existing UAAL bases, the UAAL is projected to never be positive.

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.



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Douglas H. Lozen, EA, MAAA  
Enrolled Actuary #20-7778

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

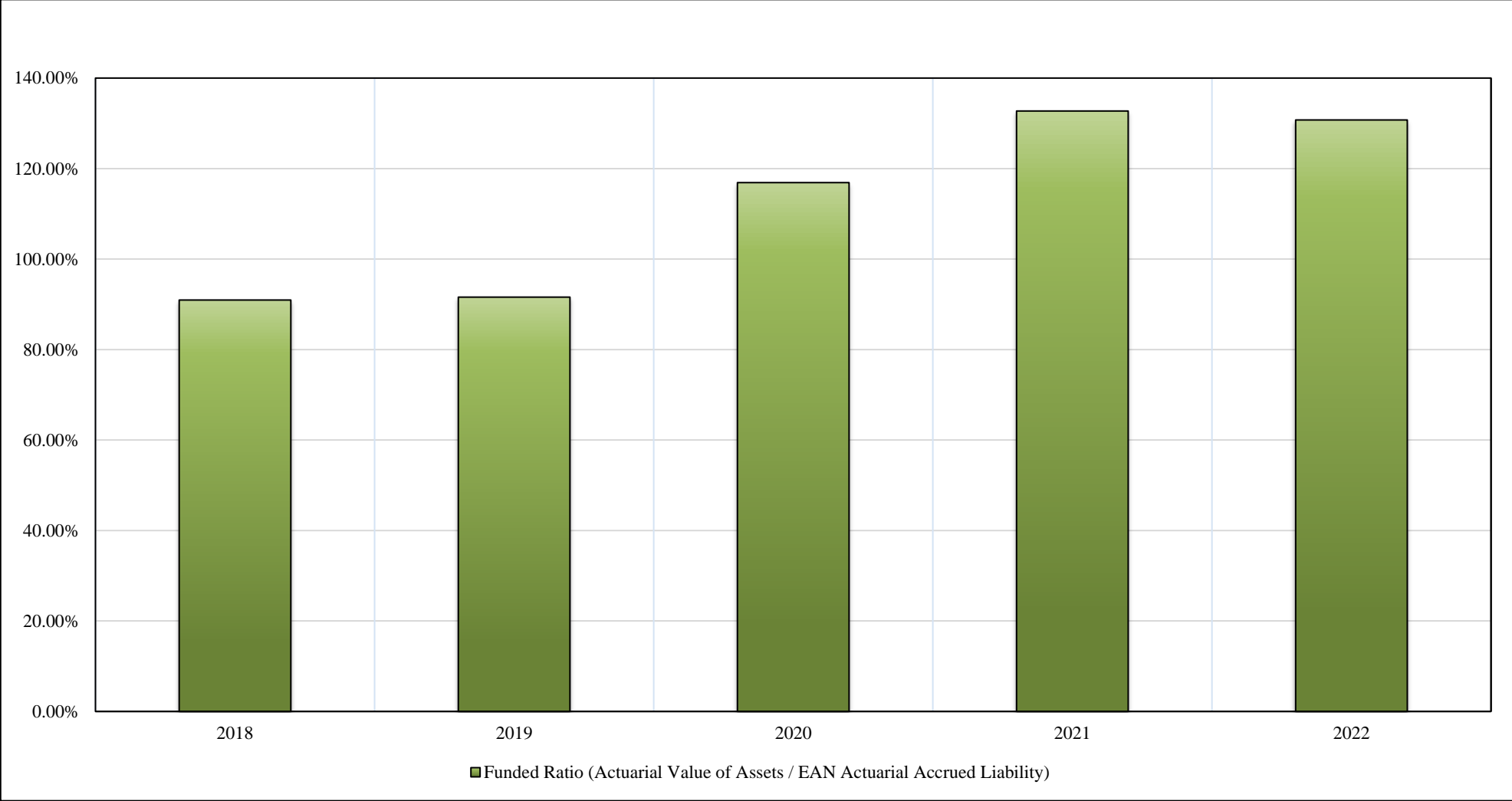
(1) Unfunded Actuarial Accrued Liability as of October 1, 2021	(\$304,470)
(2) Sponsor Normal Cost developed as of October 1, 2021	0
(3) Expected administrative expenses for the year ended September 30, 2022	16,261
(4) Expected interest on (1), (2) and (3)	(20,003)
(5) Sponsor contributions to the System during the year ended September 30, 2022	16,810
(6) Expected interest on (5)	756
(7) Expected Unfunded Actuarial Accrued Liability as of September 30, 2022 (1)+(2)+(3)+(4)-(5)-(6)	(325,778)
(8) Change to UAAL due to Assumption Change	0
(9) Change to UAAL due to Actuarial (Gain)/Loss	36,255
(10) Unfunded Actuarial Accrued Liability as of October 1, 2022	(289,523)

Type of <u>Base</u>	Date <u>Established</u>	Years <u>Remaining</u>	10/1/2022 <u>Amount</u>	Amortization <u>Amount</u>
Initial	10/1/2016	9	102,641	14,601
Amendment	10/1/2017	10	485	64
Assumption	10/1/2018	11	56,109	6,922
Actuarial Gain	10/1/2019	12	(50,694)	(5,899)
Actuarial Gain	10/1/2020	13	(267,163)	(29,522)
Assumption	10/1/2020	13	(41,104)	(4,542)
Actuarial Gain	10/1/2021	14	(147,782)	(15,593)
Assumption	10/1/2021	14	21,730	2,293
Actuarial Loss	10/1/2022	15	36,255	3,670
			(289,523)	(28,006)

## DETAILED ACTUARIAL (GAIN)/LOSS ANALYSIS

(1) Unfunded Actuarial Accrued Liability (UAAL) as of October 1, 2021	(\$304,470)
(2) Expected UAAL as of October 1, 2022	(325,778)
(3) Summary of Actuarial (Gain)/Loss, by component:	
Investment Return (Actuarial Asset Basis)	23,512
Inactive Mortality	11,512
Other	<u>1,231</u>
Increase in UAAL due to (Gain)/Loss	36,255
Assumption Changes	0
(4) Actual UAAL as of October 1, 2022	(\$289,523)

# HISTORY OF FUNDING PROGRESS





## ACTUARIAL ASSUMPTIONS AND METHODS

### Mortality Rate

#### *Healthy Retiree Lives:*

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

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

#### *Beneficiary Lives:*

**Female:** PubG.H-2010 (Below Median) for Healthy Retirees.

**Male:** PubG.H-2010 (Below Median) for Healthy Retirees, set back one year.

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.

### Interest Rate

6.75% 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.

### Administrative Expenses

\$17,292 annually, based on the average of actual expenses incurred in the prior two fiscal years.

### Actuarial Asset Method

The Actuarial Value of Assets reflects a five-year smoothing methodology. The annual difference between expected and actual investment earnings (Market Value, net of investment-related expenses), is phased-in over a five-year period.

Amortization Method

New components of the UAAL are amortized as level dollar 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 - a half year, based on current 6.75% assumption.

Salary - None.

In the event the Minimum Required Contribution is based on the statutory Normal Cost Minimum funding requirement, explicit reimbursement of the plan's Administrative Expense is included in determination of the Minimum Required Contribution.

## 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.

Individual Entry Age Normal Actuarial Cost Method (Level Dollar Amortization) is the method used to determine required contributions under the Plan. The actuarial accrued liability for inactive participants is the present value of future benefits.

Market Value of Assets 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 Not applicable.

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

Total Annual Payroll is Not applicable.

Minimum Required Contribution is equal to the Normal Cost plus an amount sufficient to amortize the Unfunded Accrued Liability over no more than 15 years. The required amount is adjusted for interest according to the timing of contributions during the year. This funding requirement is no less than reimbursement of administrative expenses.

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.

## 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.

- Investment Return: 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.
- Demographic Assumptions: 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, is 0%, indicating the plan is comprised entirely inactive participants.
- 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 100.0%. 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 91.6% on October 1, 2019 to 130.7% 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, increased from -7.1% on October 1, 2019 to -5.6% on October 1, 2022. The current Net Cash Flow Ratio of -5.6% 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

	<u>10/1/2022</u>	<u>10/1/2021</u>	<u>10/1/2020</u>	<u>10/1/2019</u>
<u>Support Ratio</u>				
Total Actives	0	0	0	0
Total Inactives <sup>1</sup>	9	9	10	11
Actives / Inactives <sup>1</sup>	0.0%	0.0%	0.0%	0.0%
 <u>Accrued Liability (AL) Ratio</u>				
Inactive Accrued Liability	941,779	930,464	1,024,237	1,304,621
Total Accrued Liability (EAN)	941,779	930,464	1,024,237	1,304,621
Inactive AL / Total AL	100.0%	100.0%	100.0%	100.0%
 <u>Funded Ratio</u>				
Actuarial Value of Assets (AVA)	1,231,302	1,234,934	1,197,250	1,194,781
Total Accrued Liability (EAN)	941,779	930,464	1,024,237	1,304,621
AVA / Total Accrued Liability (EAN)	130.7%	132.7%	116.9%	91.6%
 <u>Net Cash Flow Ratio</u>				
Net Cash Flow <sup>2</sup>	(61,769)	(79,371)	(88,275)	(85,475)
Market Value of Assets (MVA)	1,099,335	1,334,600	1,189,453	1,205,619
Ratio	-5.6%	-5.9%	-7.4%	-7.1%

<sup>1</sup> Excludes terminated participants awaiting a refund of member contributions.

<sup>2</sup> Determined as total contributions minus benefit payments and administrative expenses.

STATEMENT OF FIDUCIARY NET POSITION  
SEPTEMBER 30, 2022

<u>ASSETS</u>	MARKET VALUE
Cash and Cash Equivalents:	
Cash	11,049.13
Total Cash and Equivalents	11,049.13
Total Receivable	0.00
Investments:	
Pooled/Common/Commingled Funds:	
Fixed Income	324,844.48
Equity	586,708.91
Real Estate	182,310.68
Total Investments	1,093,864.07
Total Assets	1,104,913.20
<u>LIABILITIES</u>	
Prepaid City Contribution	5,578.00
Total Liabilities	5,578.00
NET POSITION RESTRICTED FOR PENSIONS	1,099,335.20

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

ADDITIONS

Contributions:

City	16,810.00	
Total Contributions		16,810.00
Investment Income:		
Net Increase in Fair Value of Investments	(170,903.57)	
Less Investment Expense <sup>1</sup>	(2,591.73)	
Net Investment Income		(173,495.30)
Total Additions		(156,685.30)

DEDUCTIONS

Distributions to Members:

Benefit Payments	60,787.80	
Total Distributions		60,787.80
Administrative Expense		17,791.27
Total Deductions		78,579.07
Net Increase in Net Position		(235,264.37)

NET POSITION RESTRICTED FOR PENSIONS

Beginning of the Year		1,334,599.57
End of the Year		1,099,335.20

<sup>1</sup>Investment 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.

Plan Year Ending	Gain/Loss	<u>Gains/(Losses) Not Yet Recognized</u>				
		Amounts Not Yet Recognized by Valuation Year				
		2022	2023	2024	2025	2026
09/30/2018	511	0	0	0	0	0
09/30/2019	(24,128)	(4,824)	0	0	0	0
09/30/2020	(9,440)	(3,776)	(1,888)	0	0	0
09/30/2021	143,596	86,158	57,439	28,720	0	0
09/30/2022	(261,906)	(209,525)	(157,144)	(104,763)	(52,382)	0
Total		(131,967)	(101,593)	(76,043)	(52,382)	0

<u>Development of Investment Gain/(Loss)</u>	
Market Value of Assets, including Prepaid Contributions, 09/30/2021	1,340,178
Contributions Less Benefit Payments & Admin Expenses	(61,769)
Expected Investment Earnings*	88,411
Actual Net Investment Earnings	(173,495)
2022 Actuarial Investment Gain/(Loss)	<u>(261,906)</u>

\*Expected Investment Earnings =  $0.0675 * 1,340,178 - 61,769 * [(1 + 0.0675) ^ 0.5 - 1]$

<u>Development of Actuarial Value of Assets</u>	
(1) Market Value of Assets, 09/30/2022	1,099,335
(2) Gain/(Loss) Not Yet Recognized	(131,967)
(3) Actuarial Value of Assets, 09/30/2022, (1) - (2)	<u>1,231,302</u>
(A) 09/30/2021 Actuarial Assets, including Prepaid Contributions:	1,240,512
(I) Net Investment Income:	
1. Net Increase in Fair Value of Investments	(170,904)
2. Change in Actuarial Value	231,633
3. Investment Expenses	(2,592)
Total	<u>58,138</u>
(B) 09/30/2022 Actuarial Assets, including Prepaid Contributions:	1,236,880
Actuarial Asset Rate of Return = $2I/(A+B-I)$ :	4.81%
Market Value of Assets Rate of Return:	-13.27%
Actuarial Gain/(Loss) due to Investment Return (Actuarial Asset Basis)	(23,512)
10/01/2022 Limited Actuarial Assets (not including Prepaid):	1,231,302

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

REVENUES

Contributions:		
City	16,810.00	
Total Contributions		16,810.00
Earnings from Investments:		
Net Increase in Fair Value of Investments	(170,903.57)	
Change in Actuarial Value	231,633.00	
Total Earnings and Investment Gains		60,729.43

EXPENDITURES

Distributions to Members:		
Benefit Payments	60,787.80	
Total Distributions		60,787.80
Expenses:		
Investment related <sup>1</sup>	2,591.73	
Administrative	17,791.27	
Total Expenses		20,383.00
Change in Net Assets for the Year		(3,631.37)
Net Assets Beginning of the Year		1,234,933.57
Net Assets End of the Year <sup>2</sup>		1,231,302.20

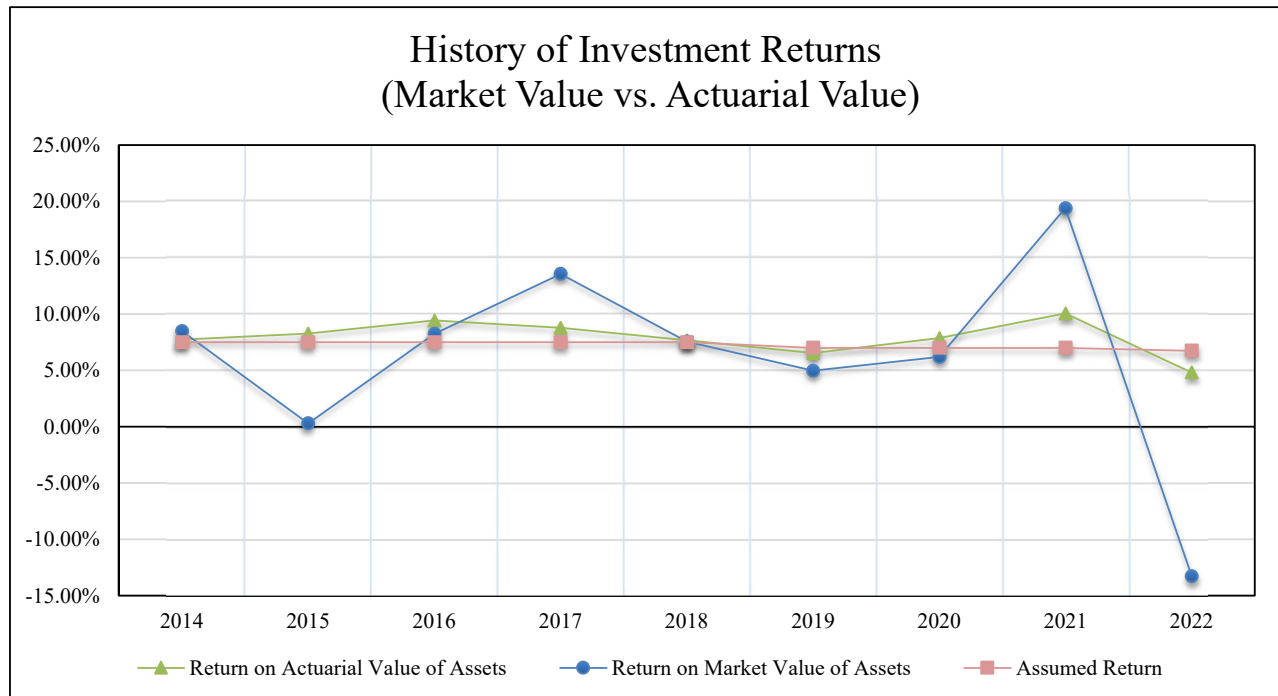
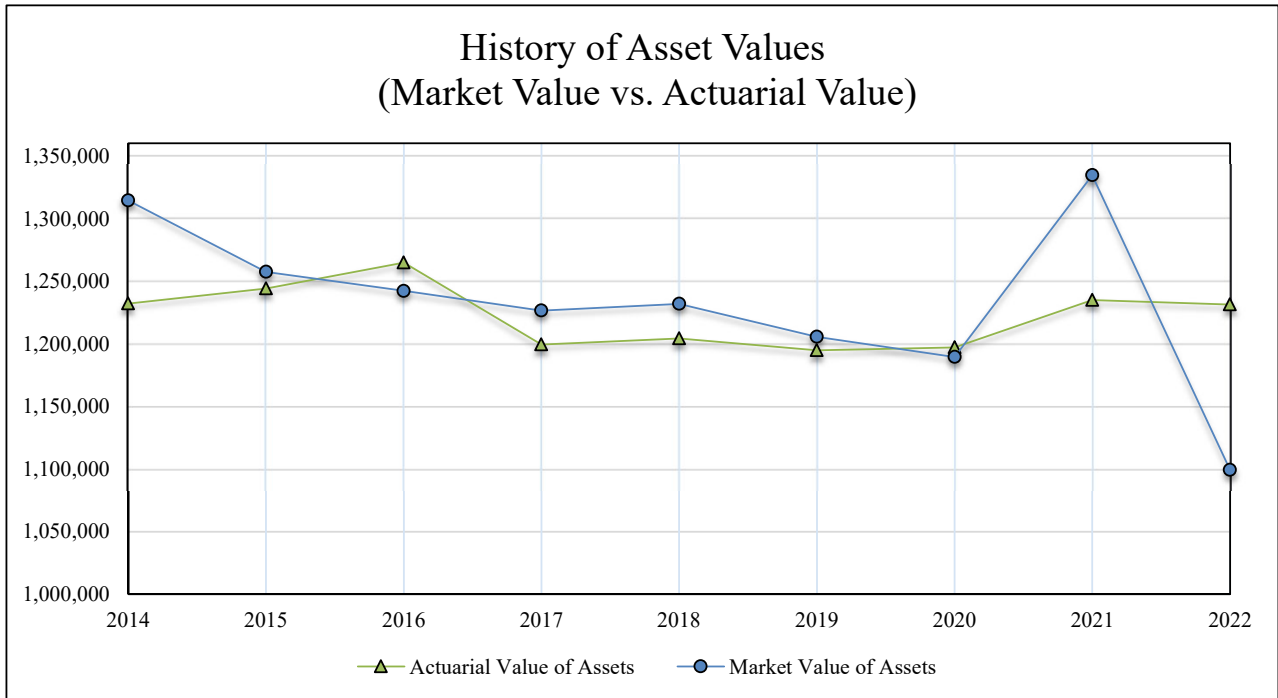
<sup>1</sup>Investment related expenses include investment advisory, custodial and performance monitoring fees.

<sup>2</sup>Net Assets may be limited for actuarial consideration.

RECONCILIATION OF CITY SHORTFALL/(PREPAID) CONTRIBUTION  
FOR THE FISCAL YEAR ENDED (FYE) SEPTEMBER 30, 2022

(1) Required City and State Contributions	\$16,810.00
(2) Less Allowable State Contribution	<u>0.00</u>
(3) Required City Contribution for Fiscal 2022	16,810.00
(4) Less 2021 Prepaid Contribution	(5,578.00)
(5) Less Actual City Contributions	<u>(16,810.00)</u>
(6) Equals City's Shortfall/(Prepaid) Contribution as of September 30, 2022	(\$5,578.00)

# HISTORY OF ASSET VALUES AND INVESTMENT RETURNS



## STATISTICAL DATA

	<u>10/1/2022</u>	<u>10/1/2021</u>	<u>10/1/2020</u>	<u>10/1/2019</u>
<u>Service Retirees</u>				
Number	5	5	5	6
Average Current Age	73.4	72.4	71.4	71.7
Average Annual Benefit	\$12,158	\$12,158	\$12,158	\$16,210
<u>Beneficiaries</u>				
Number	0	0	1	1
Average Current Age	N/A	N/A	74.6	73.6
Average Annual Benefit	N/A	N/A	\$14,418	\$14,418
<u>Disability Retirees</u>				
Number	0	0	0	0
Average Current Age	N/A	N/A	N/A	N/A
Average Annual Benefit	N/A	N/A	N/A	N/A
<u>Terminated Vested</u>				
Number	4	4	4	4
Average Current Age	57.6	56.6	55.6	54.6
Average Annual Benefit	\$9,653	\$9,653	\$9,653	\$9,653

## VALUATION PARTICIPANT RECONCILIATION

### 1. Active lives

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

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

	Service Retirees, Vested Receiving <u>Benefits</u>	Receiving Death <u>Benefits</u>	Receiving Disability <u>Benefits</u>	Vested (Deferred Annuity)	Vested (Due Refund)	<u>Total</u>
a. Number prior valuation	5	0	0	4	0	9
Retired	0	0	0	0	0	0
Vested (Deferred Annuity)	0	0	0	0	0	0
Vested (Due Refund)	0	0	0	0	0	0
Hired/Terminated in Same Year	0	0	0	0	0	0
Death, With Survivor	0	0	0	0	0	0
Death, No Survivor	0	0	0	0	0	0
Disabled	0	0	0	0	0	0
Refund of Contributions	0	0	0	0	0	0
Rehires	0	0	0	0	0	0
Expired Annuities	0	0	0	0	0	0
Data Corrections	0	0	0	0	0	0
b. Number current valuation	5	0	0	4	0	9

**SUMMARY OF CURRENT PLAN**  
(Historical reference only – There are no current participating members)

CREDITED SERVICE

Years and fractional parts of years of service (to the nearest month) with the City as a Police Officer.

COMPENSATION

Total compensation actually paid to a member including overtime, payment for accrued vacation and longevity but excluding bonuses (other than longevity bonuses).

AVERAGE MONTHLY EARNINGS

Average monthly compensation during the last 5 years of Credited Service prior to termination or retirement.

NORMAL RETIREMENT

Eligibility

Earlier of: a) Age 55 and 30 years of Credited Service, b) Age 60 and 10 years of Credited Service, or c) the completion of 40 years of Credited Service, regardless of age. Additionally, members hired between the ages of 55 and 60 may retire at age 65.

Benefit Amount

1.75 % of Average Monthly Earnings for each year of Credited Service.

Form of Benefit

10 year certain and life thereafter (options available).

EARLY RETIREMENT

Eligibility

Age 50 and 10 years of Credited Service.

Benefit Amount

Accrued benefit, reduced 5% per year for commencement prior to age 60.

DISABILITY

Eligibility

a. Non-Service Incurred: 10 years of Credited Service.  
b. Service Incurred: Covered from Date of Employment  
c. Total and permanent disability as determined by the Board of Trustees.

Benefit Amount

Service-Incurred

Accrued Benefit, but not less than 30% of the pay in effect as of the date of disability.

Non Service-Incurred

Accrued Benefit.

Form of Benefit

Single life annuity.

PRE-RETIREMENT DEATH

Benefit Amount

Surviving Spouse

Actuarial equivalent of 75% of the member's vested accrued benefit, payable as a lump sum as soon as possible following the member's death. If the member dies while employed after attaining Normal Retirement eligibility, the survivor benefit is determined as if the member had retired under the 66 2/3% annuity option immediately prior to death.

VESTING (TERMINATION)

10 years or more

Accrued benefit payable at age 50 or later, on a reduced basis if to commence prior to Normal Retirement Date.

CONTRIBUTIONS

Premium Tax

None.

Member

None.

City

Annual amount necessary for payment of Normal (current year's) Cost, amortization of the Unfunded Actuarial Accrued Liability, and reimbursement of the plan's administrative expenses.



STATEMENT OF FIDUCIARY NET POSITION  
SEPTEMBER 30, 2022

<u>ASSETS</u>	MARKET VALUE
Cash and Cash Equivalents:	
Cash	11,049
Total Cash and Equivalents	11,049
Total Receivable	0
Investments:	
Pooled/Common/Commingled Funds:	
Fixed Income	324,844
Equity	586,709
Real Estate	182,311
Total Investments	1,093,864
Total Assets	1,104,913
Total Liabilities	0
NET POSITION RESTRICTED FOR PENSIONS	1,104,913

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

ADDITIONS

## Contributions:

City	16,810	
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Total Contributions		16,810
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## Investment Income:

Net Increase in Fair Value of Investments	(170,904)	
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Interest & Dividends	0	
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Less Investment Expense <sup>1</sup>	(2,592)	
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Net Investment Income		(173,496)
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Total Additions		(156,686)
-----------------	--	-----------

DEDUCTIONS

## Distributions to Members:

Benefit Payments	60,788	
------------------	--------	--

Total Distributions		60,788
---------------------	--	--------

Administrative Expense		17,791
------------------------	--	--------

Total Deductions		78,579
------------------	--	--------

Net Increase in Net Position		(235,265)
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## NET POSITION RESTRICTED FOR PENSIONS

Beginning of the Year		1,340,178
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End of the Year		1,104,913
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<sup>1</sup>Investment 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 City of Fort Meade. The five-member City Commission serves as the Board of Trustees.

*Plan Membership as of October 1, 2021:*

Inactive Plan Members or Beneficiaries Currently Receiving Benefits	5
Inactive Plan Members Entitled to But Not Yet Receiving Benefits	4
Active Plan Members	-
	9
	9

*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 Fort Meade Police Officers' Retirement Plan prepared by Foster & Foster Actuaries and Consultants.

*Contributions*

Member Contributions: None.

Premium Tax: None.

City: Annual amount necessary for payment of Normal (current year's) Cost, amortization of the Unfunded Actuarial Accrued Liability, and reimbursement of the plan's administrative expenses.

*Investment Policy:*

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

Asset Class	Target Allocation
US Large Cap Equity	25.00%
US Small Cap Equity	14.00%
Non-US Equity	21.00%
Core Bonds	15.00%
Core Plus	15.00%
Core Real Estate	10.00%
Total	100.00%
	100.00%

*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 -13.27 percent.

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

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	\$ 930,431
Plan Fiduciary Net Position	<u>\$ (1,104,913)</u>
Sponsor's Net Pension Liability	<u>\$ (174,482)</u>
Plan Fiduciary Net Position as a percentage of Total Pension Liability	118.75%

*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	2.92%
Salary Increases	N/A
Discount Rate	6.75%
Investment Rate of Return	6.75%

*Mortality Rate Healthy Retiree Lives:*

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

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

*Mortality Rate Beneficiary Lives:*

Female: PubG.H-2010 (Below Median) for Healthy Retirees.

Male: PubG.H-2010 (Below Median) for Healthy Retirees, set back one year.

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

The above 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.

Since this is a retiree-only plan, the assumptions for withdrawal, retirement, disability, payroll growth, and salary increases are not applicable. Accordingly, no formal actuarial experience study has been performed for these assumptions.

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 2.80%.

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.

## GASB 67

Best estimates of geometric 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	Long Term Expected Real Rate of Return <sup>1</sup>
US Large Cap Equity	7.1%
US Small Cap Equity	8.5%
Non-US Equity	8.2%
Core Bonds	2.5%
Core Plus	2.8%
Core Real Estate	6.6%

<sup>1</sup> Source: Florida League of Cities

### *Discount Rate:*

The Discount Rate used to measure the Total Pension Liability was 6.75 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.

	1% Decrease 5.75%	Current Discount Rate 6.75%	1% Increase 7.75%
Sponsor's Net Pension Liability	\$ (87,996)	\$ (174,482)	\$ (248,962)

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

Measurement Date	09/30/2022	09/30/2021
Total Pension Liability		
Service Cost	-	-
Interest	68,242	83,753
Changes of benefit terms	-	-
Differences between Expected and Actual Experience	(118,409)	(223,822)
Changes of assumptions	-	21,991
Benefit Payments, including Refunds of Employee Contributions	(60,788)	(74,004)
Net Change in Total Pension Liability	(110,955)	(192,082)
Total Pension Liability - Beginning	1,041,386	1,233,468
Total Pension Liability - Ending (a)	<u>\$ 930,431</u>	<u>\$ 1,041,386</u>
Plan Fiduciary Net Position		
Contributions - Employer	16,810	11,426
Net Investment Income	(173,496)	224,517
Benefit Payments, including Refunds of Employee Contributions	(60,788)	(74,004)
Administrative Expense	(17,791)	(16,792)
Net Change in Plan Fiduciary Net Position	(235,265)	145,147
Plan Fiduciary Net Position - Beginning	1,340,178	1,195,031
Plan Fiduciary Net Position - Ending (b)	<u>\$ 1,104,913</u>	<u>\$ 1,340,178</u>
Net Pension Liability - Ending (a) - (b)	<u>\$ (174,482)</u>	<u>\$ (298,792)</u>
Plan Fiduciary Net Position as a percentage of the Total Pension Liability	118.75%	128.69%
Covered Payroll	N/A	N/A
Net Pension Liability as a percentage of Covered Payroll	N/A	N/A

**Notes to Schedule:***Changes of assumptions:*

For measurement date 09/30/2021, the investment rate of return was lowered from 7.00% to 6.75% per year compounded annually, net of investment related expenses.

**SCHEDULE OF CONTRIBUTIONS**  
Last 2 Fiscal Years

Fiscal Year Ended	Actuarially Determined Contribution	Contributions in relation to the Actuarially Determined Contributions	Contribution Deficiency (Excess)	Covered Payroll	Contributions as a percentage of Covered Payroll
09/30/2022	\$ 16,810	\$ 16,810	\$ -	N/A	N/A
09/30/2021	\$ 11,426	\$ 11,426	\$ -	N/A	N/A

Notes to Schedule

Valuation Date:

10/01/2021

Actuarially determined contribution rates are calculated as of October 1, one year 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, 2021 Actuarial Valuation for the City of Fort Meade Police Officers' Retirement Plan prepared by Foster & Foster Actuaries and Consultants.

SCHEDULE OF INVESTMENT RETURNS  
Last 2 Fiscal Years

Fiscal Year Ended <sup>1</sup>	Annual Money-Weighted Rate of Return Net of Investment Expense
09/30/2022	-13.27%
09/30/2021	19.40%



**NOTES TO THE FINANCIAL STATEMENTS**  
(For the Year Ended September 30, 2022)

*Plan Description*

The Plan is a single-employer defined benefit pension plan administered by the City of Fort Meade. The five-member City Commission serves as the Board of Trustees.

*Plan Membership as of October 1, 2021:*

Inactive Plan Members or Beneficiaries Currently Receiving Benefits	5
Inactive Plan Members Entitled to But Not Yet Receiving Benefits	4
Active Plan Members	-
	9
	9

*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 Fort Meade Police Officers' Retirement Plan prepared by Foster & Foster Actuaries and Consultants.

*Contributions*

Member Contributions: None.

Premium Tax: None.

City: Annual amount necessary for payment of Normal (current year's) Cost, amortization of the Unfunded Actuarial Accrued Liability, and reimbursement of the plan's administrative expenses.

**Net Pension Liability**

The measurement date is September 30, 2022.

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

The reporting period is October 1, 2021 through September 30, 2022.

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	2.92%
Salary Increases	N/A
Discount Rate	6.75%
Investment Rate of Return	6.75%

*Mortality Rate Healthy Retiree Lives:*

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

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

*Mortality Rate Beneficiary Lives:*

Female: PubG.H-2010 (Below Median) for Healthy Retirees.

Male: PubG.H-2010 (Below Median) for Healthy Retirees, set back one year.

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

The above 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.

Since this is a retiree-only plan, the assumptions for withdrawal, retirement, disability, payroll growth, and salary increases are not applicable. Accordingly, no formal actuarial experience study has been performed for these assumptions.

The Long-Term Expected Rate of Return on Pension Plan investments was 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 2.80%.

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 geometric 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 <sup>1</sup>
US Large Cap Equity	25.00%	7.10%
US Small Cap Equity	14.00%	8.50%
Non-US Equity	21.00%	8.20%
Core Bonds	15.00%	2.50%
Core Plus	15.00%	2.80%
Core Real Estate	10.00%	6.60%
Total	100.00%	

<sup>1</sup> Source: Florida League of Cities

*Discount Rate:*

The Discount Rate used to measure the Total Pension Liability was 6.75 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 (a)	Plan Fiduciary Net Position (b)	Net Pension Liability (a)-(b)
Balances at September 30, 2021	\$ 1,041,386	\$ 1,340,178	\$ (298,792)
Changes for a Year:			
Service Cost	-	-	-
Interest	68,242	-	68,242
Differences between Expected and Actual Experience	(118,409)	-	(118,409)
Changes of assumptions	-	-	-
Changes of benefit terms	-	-	-
Contributions - Employer	-	16,810	(16,810)
Net Investment Income	-	(173,496)	173,496
Benefit Payments, including Refunds of Employee Contributions	(60,788)	(60,788)	-
Administrative Expense	-	(17,791)	17,791
Net Changes	(110,955)	(235,265)	124,310
Balances at September 30, 2022	<u>\$ 930,431</u>	<u>\$ 1,104,913</u>	<u>\$ (174,482)</u>

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

	Current		
	1% Decrease 5.75%	Discount Rate 6.75%	1% Increase 7.75%
Sponsor's Net Pension Liability	\$ (87,996)	\$ (174,482)	\$ (248,962)

*Pension Plan Fiduciary Net Position.*

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

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

For the year ended September 30, 2022, the Sponsor will recognize a Pension Expense of \$(91,701).

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	-	-
Changes of assumptions	-	-
Net difference between Projected and Actual Earnings on Pension Plan investments	131,887	-
<b>Total</b>	<b>\$ 131,887</b>	<b>\$ -</b>

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	\$	30,342
2024	\$	25,524
2025	\$	23,646
2026	\$	52,375
2027	\$	-
Thereafter	\$	-

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

Measurement Date	09/30/2022	09/30/2021
Total Pension Liability		
Service Cost	-	-
Interest	68,242	83,753
Changes of benefit terms	-	-
Differences between Expected and Actual Experience	(118,409)	(223,822)
Changes of assumptions	-	21,991
Benefit Payments, including Refunds of Employee Contributions	(60,788)	(74,004)
Net Change in Total Pension Liability	(110,955)	(192,082)
Total Pension Liability - Beginning	1,041,386	1,233,468
Total Pension Liability - Ending (a)	<u>\$ 930,431</u>	<u>\$ 1,041,386</u>
Plan Fiduciary Net Position		
Contributions - Employer	16,810	11,426
Net Investment Income	(173,496)	224,517
Benefit Payments, including Refunds of Employee Contributions	(60,788)	(74,004)
Administrative Expense	(17,791)	(16,792)
Net Change in Plan Fiduciary Net Position	(235,265)	145,147
Plan Fiduciary Net Position - Beginning	1,340,178	1,195,031
Plan Fiduciary Net Position - Ending (b)	<u>\$ 1,104,913</u>	<u>\$ 1,340,178</u>
Net Pension Liability - Ending (a) - (b)	<u>\$ (174,482)</u>	<u>\$ (298,792)</u>
Plan Fiduciary Net Position as a percentage of the Total Pension Liability	118.75%	128.69%
Covered Payroll	N/A	N/A
Net Pension Liability as a percentage of Covered Payroll	N/A	N/A

**Notes to Schedule:***Changes of assumptions:*

For measurement date 09/30/2021, the investment rate of return was lowered from 7.00% to 6.75% per year compounded annually, net of investment related expenses.

**SCHEDULE OF CONTRIBUTIONS**  
Last 2 Fiscal Years

Fiscal Year Ended	Actuarially Determined Contribution	Contributions in relation to the Actuarially Determined Contributions	Contribution Deficiency (Excess)	Covered Payroll	Contributions as a percentage of Covered Payroll
09/30/2022	\$ 16,810	\$ 16,810	\$ -	N/A	N/A
09/30/2021	\$ 11,426	\$ 11,426	\$ -	N/A	N/A

Notes to Schedule

Valuation Date: 10/01/2021

Actuarially determined contribution rates are calculated as of October 1, one year 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, 2021 Actuarial Valuation for the City of Fort Meade Police Officers' Retirement Plan prepared by Foster & Foster Actuaries and Consultants.

EXPENSE DEVELOPMENT AND AMORTIZATION SCHEDULES

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

**COMPONENTS OF PENSION EXPENSE**  
**FISCAL YEAR SEPTEMBER 30, 2022**

	Net Pension Liability	Deferred Inflows	Deferred Outflows	Pension Expense
Beginning balance	\$ (298,792)	\$ 93,652	\$ (7,282)	\$ -
Total Pension Liability Factors:				
Service Cost	-	-	-	-
Interest	68,242	-	-	68,242
Changes in benefit terms	-	-	-	-
Differences between Expected and Actual Experience with regard to economic or demographic assumptions	(118,409)	118,409	-	-
Current year amortization of experience difference	-	(118,409)	-	(118,409)
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	(60,788)	-	-	-
Net change	<u>(110,955)</u>	<u>-</u>	<u>-</u>	<u>(50,167)</u>
Plan Fiduciary Net Position:				
Contributions - Employer	16,810	-	-	-
Projected Net Investment Income	88,377	-	-	(88,377)
Difference between projected and actual earnings on Pension Plan investments	(261,873)	-	261,873	-
Current year amortization	-	(30,017)	(59,069)	29,052
Benefit Payments, including Refunds of Employee Contributions	(60,788)	-	-	-
Administrative Expenses	(17,791)	-	-	17,791
Net change	<u>(235,265)</u>	<u>(30,017)</u>	<u>202,804</u>	<u>(41,534)</u>
Ending Balance	<u>\$ (174,482)</u>	<u>\$ 63,635</u>	<u>\$ 195,522</u>	<u>\$ (91,701)</u>



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

Plan Year Ending	Differences Between Projected and Actual Earnings	Recognition Period (Years)	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
2022	\$ 261,873	5	\$ 52,373	\$ 52,375	\$ 52,375	\$ 52,375	\$ 52,375	\$ -	\$ -	\$ -	\$ -	\$ -
2021	\$ (143,643)	5	\$ (28,729)	\$ (28,729)	\$ (28,729)	\$ (28,729)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2020	\$ 9,391	5	\$ 1,878	\$ 1,878	\$ 1,878	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2019	\$ 24,089	5	\$ 4,818	\$ 4,818	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2018	\$ (6,440)	5	\$ (1,288)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Net Increase (Decrease) in Pension Expense			\$ 29,052	\$ 30,342	\$ 25,524	\$ 23,646	\$ 52,375	\$ -	\$ -	\$ -	\$ -	\$ -

AMORTIZATION SCHEDULE - EXPERIENCE

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

Plan Year Ending	Differences Between Expected and Actual Experience	Recognition Period (Years)	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
2022	\$ (118,409)	1	\$ (118,409)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Net Increase (Decrease) in Pension Expense			<u>\$ (118,409)</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>