DESTIN FIRE CONTROL DISTRICT
FIREFIGHTERS' RETIREMENT TRUST FUND

ACTUARIAL VALUATION
AS OF OCTOBER 1, 2024

CONTRIBUTIONS APPLICABLE TO THE
PLAN/FISCAL YEAR ENDING SEPTEMBER 30, 2026

FOSTER & FOSTER
ACTUARIES AND CONSULTANTS

February 18, 2025

Board of Trustees
Destin Fire Control District
Firefighters' Pension Board

Re: Destin Fire Control District Firefighters' Retirement Trust Fund

Dear Board:

We are pleased to present to the Board this report of the annual actuarial valuation of the Destin Fire Control District Firefighters' Retirement Trust Fund. The 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. Use of the results for other purposes may not be applicable and may produce significantly different results.

The valuation has been conducted in accordance with generally accepted actuarial principles and practices, including the applicable Actuarial Standards of Practice as issued by the Actuarial Standards Board, and reflects laws and regulations issued to date pursuant to the provisions of Chapters 112 and 175, Florida Statutes, as well as applicable federal laws and regulations. In our opinion, the assumptions used in the valuation, 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 valuation, we did not perform an analysis of the potential range of such future measurements.

In conducting the valuation, we have relied on personnel, plan design, and asset information supplied by the Destin, 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 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.

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

The undersigned, 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 Destin, nor does anyone at Foster & Foster, Inc. act as a member of the Board of Trustees of the Fire Control District Firefighters' Retirement Trust Fund. 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: ______________________________
Danny Ibele, ASA, MAAA

JLG/DDI/lke

Enclosures

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SUMMARY OF REPORT

The regular annual actuarial valuation of the Destin Fire Control District Firefighters' Retirement Trust Fund, performed as of October 1, 2024, 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, 2026.

The contribution requirements, compared with those set forth in the October 8, 2024 actuarial impact statement, are as follows:

Valuation Date Applicable to Fiscal Year Ending	10/1/2024 9/30/2026	10/1/2023 9/30/2025
Minimum Required Contribution	$1,872,033	$1,709,241
Member Contributions (Est.)	183,077	180,080
District And State Required Contribution	1,688,956	1,529,161
State Contribution (Est.) [1]	412,488	412,488
District Required Contribution (Est.) [2]	$1,276,468	$1,116,673

[1] Represents the amount received in calendar 2024. As per a Mutual Consent Agreement between the Membership and the District, all State Monies received each year will be available to offset the District's required contribution.

As you can see, the Minimum Required Contribution shows an increase when compared to the results set forth in the October 8, 2024 actuarial impact statement. The increase is attributable to an unfavorable retirement experience. The increase was offset in part by favorable asset experience.

Plan experience was favorable overall on the basis of the plan's actuarial assumptions. The primary source of actuarial gain was an investment return of 8.76% (Actuarial Asset Basis) which exceeded the 7.40% assumption. There were no significant sources of actuarial loss.

CHANGES SINCE PRIOR VALUATION

Plan Changes

Members with at least 18 years of credited service before March 31, 2025 will be eligible to retire from October 1, 2024 through March 31, 2025. The benefits will be calculated using a 4.00% multiplier, a 2.00% Cost of Living Adjustment, and an Average Final Compensation period of 3 years.

Actuarial Assumption/Method Changes

The assumed rate of investment return was lowered from 7.40% to 7.30%.

The salary increase scale was updated to the rates below.

Credited Service	Salary Increase
0 – 1	7.0%
2 - 3	6.5%
4 – 5	6.0%
6 – 7	5.5%
8 – 9	5.0%
10+	4.5%

COMPARATIVE SUMMARY OF PRINCIPAL VALUATION RESULTS

	New Assump 10/1/2024	Old Assump 10/1/2024	10/1/2023
A. Participant Data			
Actives	33	33	34
Service Retirees	23	23	22
DROP Retirees	5	5	3
Beneficiaries	1	1	1
Disability Retirees	3	3	3
Terminated Vested	9	9	12
Total	74	74	75
Projected Annual Payroll	2,088,816	2,078,964	2,066,732
Annual Rate of Payments to:			
Service Retirees	1,447,930	1,447,930	1,375,529
DROP Retirees	405,860	405,860	136,217
Beneficiaries	66,336	66,336	65,035
Disability Retirees	56,869	56,869	56,869
Terminated Vested	25,341	25,341	25,341
B. Assets			
Actuarial Value (AVA) [1]	31,864,743	31,864,743	29,764,305
Market Value (MVA) [1]	33,687,777	33,687,777	28,257,357
C. Liabilities			
Present Value of Benefits			
Actives			
Retirement Benefits	17,511,649	16,818,153	19,243,716
Disability Benefits	103,137	96,356	82,097
Death Benefits	40,710	37,973	30,737
Vested Benefits	784,841	729,944	588,308
Refund of Contributions	133,157	131,768	105,831
Service Retirees	20,185,027	19,978,284	19,139,590
DROP Retirees [1]	6,644,978	6,577,226	2,759,625
Beneficiaries	125,309	125,199	179,527
Disability Retirees	744,367	736,092	738,719
Terminated Vested	280,296	276,944	274,899
Share Plan Balances [1]	0	0	0
Total	46,553,471	45,507,939	43,143,049

C. Liabilities - (Continued)	New Assump 10/1/2024	Old Assump 10/1/2024	10/1/2023
Present Value of Future Salaries	21,255,185	20,237,021	18,392,986
Present Value of Future Member Contributions	1,700,415	1,618,962	1,471,439
Normal Cost (Retirement)	437,393	404,667	413,216
Normal Cost (Disability)	7,506	7,206	6,900
Normal Cost (Death)	2,771	2,643	2,381
Normal Cost (Vesting)	57,575	54,331	47,548
Normal Cost (Refunds)	17,943	17,940	14,634
Total Normal Cost	523,188	486,787	484,679
Present Value of Future Normal Costs	4,688,685	4,154,773	3,757,670
Accrued Liability (Retirement)	13,581,359	13,359,782	16,072,623
Accrued Liability (Disability)	23,809	23,525	17,693
Accrued Liability (Death)	12,311	12,124	8,722
Accrued Liability (Vesting)	245,072	241,280	176,040
Accrued Liability (Refunds)	22,258	22,710	17,941
Accrued Liability (Inactives) [1]	27,979,977	27,693,745	23,092,360
Share Plan Balances [1]	0	0	0
Total Actuarial Accrued Liability (EAN AL)	41,864,786	41,353,166	39,385,379
Unfunded Actuarial Accrued Liability (UAAL)	10,000,043	9,488,423	9,621,074
Funded Ratio (AVA / EAN AL)	76.1%	77.1%	75.6%

D. Actuarial Present Value of Accrued Benefits	New Assump 10/1/2024	Old Assump 10/1/2024	10/1/2023
Vested Accrued Benefits			
Inactives + Share Plan Balances [1]	27,979,977	27,693,745	23,092,360
Actives	10,359,387	10,218,881	12,866,496
Member Contributions	1,187,952	1,187,952	1,369,489
Total	39,527,316	39,100,578	37,328,345
Non-vested Accrued Benefits	961,486	939,984	896,313
Total Present Value Accrued Benefits (PVAB)	40,488,802	40,040,562	38,224,658
Funded Ratio (MVA / PVAB)	83.2%	84.1%	73.9%
Increase (Decrease) in Present Value of Accrued Benefits Attributable to:			
Plan Amendments	0	0	
Assumption Changes	448,240	0	
Plan Experience	0	822,182	
Benefits Paid	0	(1,769,434)	
Interest	0	2,763,156	
Other	0	0	
Total	448,240	1,815,904	

	New Assump	Old Assump	
Valuation Date	10/1/2024	10/1/2024	10/1/2023
Applicable to Fiscal Year Ending	9/30/2026	9/30/2026	9/30/2025
E. Pension Cost			
Normal Cost [2]	$573,195	$531,048	$527,894
Administrative Expenses [2]	58,653	58,404	37,341
Payment Required to Amortize Unfunded Actuarial Accrued Liability over 19 years (as of 10/1/2024) [2]	1,240,185	1,182,230	1,144,006
Minimum Required Contribution	1,872,033	1,771,682	1,709,241
Expected Member Contributions [2]	183,077	181,439	180,080
Expected District and State Contribution	1,688,956	1,590,243	1,529,161
F. Past Contributions			
Plan Years Ending:	9/30/2024		
District and State Requirement	1,008,773		
Actual Contributions Made:			
District	672,480		
State	412,488		
Total	1,084,968		
G. Net Actuarial (Gain)/Loss	(107,297)		

[1] The asset values and liabilities include accumulated DROP and Share Plan Balances as of 9/30/2024 and 9/30/2023.

[2] Contributions developed as of 10/1/2024 displayed above have been adjusted to account for assumed salary increase and interest components.

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

Year	Projected Unfunded Actuarial Accrued Liability
2024	10,000,043
2025	9,515,423
2026	8,995,423
2030	6,507,093
2035	2,405,439
2039	87,216
2043	0

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

		Actual	Assumed
Year Ended	9/30/2024	5.61%	5.57%
Year Ended	9/30/2023	18.21%	4.85%
Year Ended	9/30/2022	5.02%	4.97%
Year Ended	9/30/2021	6.62%	4.94%
Year Ended	9/30/2020	17.15%	4.69%

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

		Market Value	Actuarial Value	Assumed
Year Ended	9/30/2024	21.23%	8.76%	7.40%
Year Ended	9/30/2023	10.32%	5.54%	7.40%
Year Ended	9/30/2022	-12.14%	6.51%	7.40%
Year Ended	9/30/2021	20.37%	10.97%	7.40%
Year Ended	9/30/2020	10.22%	8.67%	7.40%

(iii) Average Annual Payroll Growth

(a) Payroll as of:	10/1/2024	$2,088,816
	10/1/2014	1,682,767
(b) Total Increase		24.13%
(c) Number of Years		10.00
(d) Average Annual Rate		2.19%

STATEMENT BY ENROLLED ACTUARY

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

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

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

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

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

RECONCILIATION OF UNFUNDED ACTUARIAL ACCRUED LIABILITIES

(1)	Unfunded Actuarial Accrued Liability as of October 1, 2023	$9,621,074
(2)	Sponsor Normal Cost developed as of October 1, 2023	319,340
(3)	Expected administrative expenses for the year ended September 30, 2024	34,284
(4)	Expected interest on (1), (2) and (3)	736,859
(5)	Sponsor contributions to the System during the year ended September 30, 2024	1,084,968
(6)	Expected interest on (5)	30,869
(7)	Expected Unfunded Actuarial Accrued Liability as of September 30, 2024 (1)+(2)+(3)+(4)-(5)-(6)	9,595,720
(8)	Change to UAAL due to Assumption Change	511,620
(9)	Change to UAAL due to Actuarial (Gain)/Loss	(107,297)
(10)	Unfunded Actuarial Accrued Liability as of October 1, 2024	10,000,043

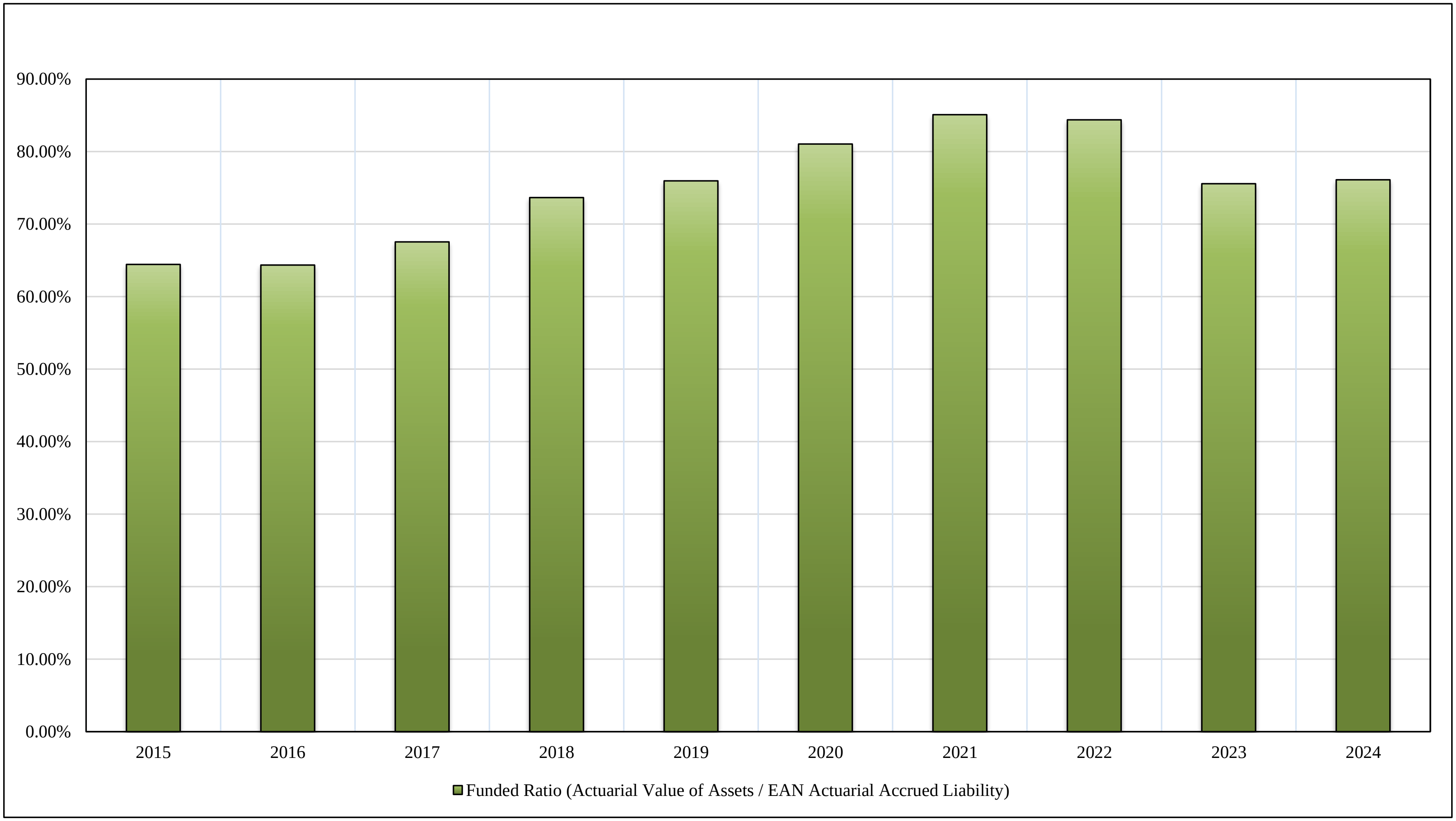
Type of Base	Date Established	Years Remaining	10/1/2024 Amount	Amortization Amount
Benefit Improv.	10/1/2002	8	221,227	34,930
Benefit Improv.	10/1/2005	11	471,943	59,535
Actuarial Loss	10/1/2006	12	534,485	63,721
Method Change	10/1/2006	12	277,685	33,105
Actuarial Loss	10/1/2007	13	110,089	12,486
Benefit Improv.	10/1/2007	13	989,179	112,187
Benefit Improv.	10/1/2007	13	1,604,885	182,017
Actuarial Loss	10/1/2008	13	1,307,757	148,318
Method Change	10/1/2008	13	(79,486)	(9,015)
Actuarial Gain	10/1/2009	13	(472,119)	(53,545)
Assump Change	10/1/2009	13	165,328	18,751
Actuarial Loss	10/1/2010	13	271,024	30,738
Method Change	10/1/2010	13	(17,608)	(1,997)
Actuarial Gain	10/1/2011	13	(110,532)	(12,536)
Actuarial Gain	10/1/2012	13	(71,930)	(8,158)
Benefit Improv.	10/1/2012	13	351,661	39,883
Actuarial Gain	10/1/2013	14	(204,370)	(22,172)
Actuarial Gain	10/1/2014	15	(1,016,903)	(106,035)
Actuarial Gain	10/1/2015	16	(152,436)	(15,339)

Type of Base	Date Established	Years Remaining	10/1/2024 Amount	Amortization Amount
Assump Change	10/1/2015	16	(14,701)	(1,479)
Assump Change	10/1/2016	17	1,022,130	99,606
Actuarial Gain	10/1/2016	17	(501,006)	(48,823)
Actuarial Loss	10/1/2017	18	272,688	25,814
Assump Change	10/1/2018	9	152,355	22,072
Actuarial Gain	10/1/2018	19	(199,443)	(18,391)
Benefit Improv.	10/1/2018	9	(605)	(88)
Actuarial Loss	10/1/2019	10	51,511	6,930
Actuarial Loss	10/1/2020	11	146,700	18,506
Assump Change	10/1/2020	11	(451,904)	(57,007)
Actuarial Gain	10/1/2021	12	(378,093)	(45,076)
Actuarial Loss	10/1/2022	13	648,626	73,563
Benefits Change	10/1/2022	13	190,290	21,582
Benefit Change	10/1/2023	14	3,009,588	326,513
Actuarial Loss	10/1/2023	14	1,467,705	159,233
Actuarial Gain	10/1/2024	15	(107,297)	(11,188)
Assump Change	10/1/2024	15	511,620	53,348
			10,000,043	1,131,989

DETAILED ACTUARIAL (GAIN)/LOSS ANALYSIS

(1)	Unfunded Actuarial Accrued Liability (UAAL) as of October 1, 2023	$9,621,074
(2)	Expected UAAL as of October 1, 2024	9,595,720
(3)	Summary of Actuarial (Gain)/Loss, by component:	
	Investment Return (Actuarial Asset Basis)	(402,296)
	Salary Increases	85,779
	Active Decrements	611,111
	Inactive Mortality	95,040
	Other	(496,931)
	Increase in UAAL due to (Gain)/Loss	(107,297)
	Assumption Changes	511,620
(4)	Actual UAAL as of October 1, 2024	$10,000,043

HISTORY OF FUNDING PROGRESS



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 (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.

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

All rates for healthy lives 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

7.30% (prior year 7.40%) 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.

Salary Increases

The assumed rates of salary increase are shown below:

Credited Service	Salary Increase
0 – 1	7.0%
2 - 3	6.5%
4 – 5	6.0%
6 – 7	5.5%
8 – 9	5.0%
10+	4.5%

This assumption is based on the results of an experience study dated June 2024.

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	$53,536 annually, based on the average of actual expenses incurred in the prior two fiscal years.
Amortization Method	New UAAL amortization bases are amortized over the following amortization periods: Experience: 15 Years. Assumption/Method Changes: 15 Years. Benefit Changes: 15 Years. The amortization payment is subject to a minimum based on a 30-year amortization of the UAAL, if the UAAL is positive, in order to comply with Actuarial Standard of Practice No. 4. 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 7.30% assumption. Salary - A full year, based on current 5.70% assumption.
Early Retirement	Commencing with the earliest Early Retirement Age (50), members are assumed to retire with an immediate subsidized benefit at the rate of 5% per year. This assumption is based on the results of an experience study dated November 2018.
Normal Retirement	The assumed rates of normal retirement are below:

Years Following First Eligibility	Rate
0	80.0%
1	80.0%
2	100.0%

This assumption is based on the results of an experience study dated November 2018.

Disability Rate

Sample rates below (1201).

Age	Rate
20	0.03%
30	0.04%
40	0.07%
50	0.18%

It is assumed that 90% of disablements are service related. This assumption is based on the results of an experience study dated November 2018.

Termination Rate

The assumed rates of withdrawal are shown below:

Credited Service	Rate
0	10.0%
1 - 2	5.0%
3 - 4	4.5%
5 - 6	4.0%
7 - 8	3.5%
9 - 10	3.0%
11 - 14	2.5%
15+	2.0%

This assumption is based on the results of an experience study dated November 2018.

Marital Assumption

100% of active members are assumed to be married, with husbands 3 years older than their wives.

Actuarial Asset Method

All assets are valued at market value with an adjustment made 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.

Low-Default-Risk Obligation Measure

Based on the Entry Age Normal Actuarial Cost Method and an interest rate of 4.06% per year compounded annually, net of investment related expenses. This rate is consistent with the Yield to Maturity of the S&P Municipal Bond 20-Year High Grade Rate Index as of September 30, 2024. All other assumptions for the Low-Default-Risk Obligation Measure are consistent with the assumptions shown in this section unless otherwise noted.

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.

Entry Age Normal Cost Method - 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.

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 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.

Payroll Under Assumed Ret. Age is the projected annual rate of pay for the fiscal year beginning on the valuation date of all covered Members, excluding any Members who are assumed to retire with 100% probability on the valuation date.

Projected Annual Payroll is the projected annual rate of pay for the fiscal year following the fiscal year beginning on the valuation date of all covered Members.

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

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

Total Required Contribution is equal to the Normal Cost plus an amount sufficient to amortize the Unfunded Accrued Liability over no more than 30 years. The required amount is adjusted for interest according to the timing of contributions during the year.

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.

- <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 136.8% on October 1, 2014 to 97.1% on October 1, 2024, 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 66.8%. 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 61.3% on October 1, 2014 to 76.1% on October 1, 2024.

- 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 -4.2% on October 1, 2014 to -1.4% on October 1, 2024. The current Net Cash Flow Ratio of -1.4%indicates that contributions are not currently covering the plan's benefit payments and administrative expenses.

Low Default-Risk Obligation Measure

ASOP No. 4, Measuring Pension Obligations and Determining Pension Plan Costs or Contributions, was revised as of December 2021 to include a “low-default-risk obligation measure” (LDROM). This liability measure is consistent with the determination of the actuarial accrued liability shown on page 8 in terms of member data, plan provisions, and assumptions/methods, under the Entry Age Normal Cost Method, except that the interest rate is tied to low-default-risk fixed income securities. The S&P Municipal Bond 20 Year High Grade Rate Index (daily rate closest to, but not later than, the measurement date) was selected to represent a current market rate of low risk but longer-term investments that could be included in a low-risk asset portfolio. The interest rate used in this valuation was 4.06%, resulting in an LDROM of $58,907,004. The LDROM should not be considered the “correct” liability measurement; it simply shows a possible outcome if the Board elected to hold a very low risk asset portfolio. The Board actually invests the pension plan’s contributions in a diversified portfolio of stocks and bonds and other investments with the objective of maximizing investment returns at a reasonable level of risk. Consequently, the difference between the plan’s Actuarial Accrued Liability disclosed earlier in this section and the LDROM can be thought of as representing the expected taxpayer savings from investing in the plan’s diversified portfolio compared to investing only in high quality bonds.

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

It is important to note that the actuary has identified the risks above 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

	10/1/2024	10/1/2023	10/1/2019	10/1/2014
Support Ratio				
Total Actives	33	34	30	26
Total Inactives [1]	34	31	25	19
Actives / Inactives [1]	97.1%	109.7%	120.0%	136.8%
Asset Volatility Ratio				
Market Value of Assets (MVA)	33,687,777	28,257,357	22,130,769	14,178,116
Total Annual Payroll	2,631,448	2,252,185	1,751,467	1,682,767
MVA / Total Annual Payroll	1,280.2%	1,254.7%	1,263.6%	842.5%
Accrued Liability (AL) Ratio				
Inactive Accrued Liability	27,979,977	23,092,360	18,938,268	12,751,075
Total Accrued Liability (EAN)	41,864,786	39,385,379	28,992,262	21,852,860
Inactive AL / Total AL	66.8%	58.6%	65.3%	58.3%
Funded Ratio				
Actuarial Value of Assets (AVA)	31,864,743	29,764,305	22,023,268	13,397,371
Total Accrued Liability (EAN)	41,864,786	39,385,379	28,992,262	21,852,860
AVA / Total Accrued Liability (EAN)	76.1%	75.6%	76.0%	61.3%
Net Cash Flow Ratio				
Net Cash Flow [2]	(486,419)	(412,210)	128,989	(594,838)
Market Value of Assets (MVA)	33,687,777	28,257,357	22,130,769	14,178,116
Ratio	-1.4%	-1.5%	0.6%	-4.2%

[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 Fiscal Year	Amount	Increase from Previous Year
2005	174,765.53	N/A
2006	174,665.20	-0.1%
2007	275,811.05	57.9%
2008	408,448.24	48.1%
2009	478,673.15	17.2%
2010	290,247.28	-39.4%
2011	322,568.25	11.1%
2012	324,981.22	0.7%
2013	342,803.09	5.5%
2014	326,317.85	-4.8%
2015	371,910.26	14.0%
2016	293,567.31	-21.1%
2017	291,352.69	-0.8%
2018	266,748.38	-8.4%
2019	292,293.19	9.6%
2020	258,595.20	-11.5%
2021	327,017.43	26.5%
2022	307,532.81	-6.0%
2023	342,717.25	11.4%
2024	412,488.41	20.4%

STATEMENT OF FIDUCIARY NET POSITION
SEPTEMBER 30, 2024

ASSETS	COST VALUE	MARKET VALUE
Cash and Cash Equivalents:		
Short Term Investments	333,124.70	333,124.70
Total Cash and Equivalents	333,124.70	333,124.70
Receivables:		
Investment Income	22,141.74	22,141.74
Total Receivable	22,141.74	22,141.74
Investments:		
Mutual Funds:		
Fixed Income	9,001,295.00	8,699,104.08
Equity	14,813,938.51	20,259,531.92
Pooled/Common/Commingled Funds:		
Real Estate	4,392,718.88	4,402,339.10
Total Investments	28,207,952.39	33,360,975.10
Total Assets	28,563,218.83	33,716,241.54
LIABILITIES		
Payables:		
Refunds of Member Contributions	2,946.93	2,946.93
Investment Expenses	8,532.20	8,532.20
Administrative Expenses	16,985.21	16,985.21
Total Liabilities	28,464.34	28,464.34
NET POSITION RESTRICTED FOR PENSIONS	28,534,754.49	33,687,777.20

STATEMENT OF CHANGES IN FIDUCIARY NET POSITION
FOR THE YEAR ENDED SEPTEMBER 30, 2024
Market Value Basis

ADDITIONS			
Contributions:			
Member		215,497.88	
Buy-Back		52,096.00	
District		672,480.00	
State		412,488.41	
Total Contributions			1,352,562.29
Investment Income:			
Net Realized Gain (Loss)	251,118.51		
Unrealized Gain (Loss)	4,689,764.75		
Net Increase in Fair Value of Investments		4,940,883.26	
Interest & Dividends		1,059,891.21	
Less Investment Expense[1]		(83,935.30)	
Net Investment Income			5,916,839.17
Total Additions			7,269,401.46
DEDUCTIONS			
Distributions to Members:			
Benefit Payments		1,531,620.90	
Lump Sum DROP Distributions		189,177.14	
Refunds of Member Contributions		48,636.20	
Total Distributions			1,769,434.24
Administrative Expense			69,547.29
Total Deductions			1,838,981.53
Net Increase in Net Position			5,430,419.93
NET POSITION RESTRICTED FOR PENSIONS			
Beginning of the Year			28,257,357.27
End of the Year			33,687,777.20

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

ACTUARIAL ASSET VALUATION
September 30, 2024

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.

Gains/Losses Not Yet Recognized

Plan Year Ending	Gain/(Loss)	Amounts Not Yet Recognized by Valuation Year 2024	2025	2026	2027	2028
09/30/2020	608,614	0	0	0	0	0
09/30/2021	3,235,797	647,161	0	0	0	0
09/30/2022	(5,861,652)	(2,344,662)	(1,172,332)	0	0	0
09/30/2023	742,503	445,501	297,000	148,499	0	0
09/30/2024	3,843,792	3,075,034	2,306,276	1,537,518	768,760	0
Total		1,823,034	1,430,944	1,686,017	768,760	0

Development of Investment Gain/Loss

Market Value of Assets, 09/30/2023	28,257,357
Contributions Less Benefit Payments & Admin Expenses	(486,419)
Expected Investment Earnings*	2,073,047
Actual Net Investment Earnings	5,916,839
2024 Actuarial Investment Gain/(Loss)	3,843,792

*Expected Investment Earnings = 0.074 * (28,257,357 - 0.5 * 486,419)

Development of Actuarial Value of Assets

(1) Market Value of Assets, 09/30/2024	33,687,777
(2) Gains/(Losses) Not Yet Recognized	1,823,034
(3) Actuarial Value of Assets, 09/30/2024, (1) - (2)	31,864,743
(4) Limited Actuarial Value of Assets, 09/30/2024	31,864,743
(A) 09/30/2023 Actuarial Assets:	29,764,305
(I) Net Investment Income:	
1. Interest and Dividends	1,059,891
2. Realized Gain (Loss)	251,119
3. Unrealized Gain (Loss)	4,689,765
4. Change in Actuarial Value	(3,329,982)
5. Investment Expenses	(83,935)
Total	2,586,857
(B) 09/30/2024 Actuarial Assets:	31,864,743
Actuarial Assets Rate of Return = 2I/(A+B-I):	8.76%
Market Value of Assets Rate of Return:	21.23%
Actuarial Gain/(Loss) due to Investment Return (Actuarial Asset Basis)	402,296

CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS
SEPTEMBER 30, 2024
Actuarial Asset Basis

REVENUES		
Contributions:		
Member	215,497.88	
Buy-Back	52,096.00	
District	672,480.00	
State	412,488.41	
Total Contributions		1,352,562.29
Earnings from Investments:		
Interest & Dividends	1,059,891.21	
Net Realized Gain (Loss)	251,118.51	
Unrealized Gain (Loss)	4,689,764.75	
Change in Actuarial Value	(3,329,982.00)	
Total Earnings and Investment Gains		2,670,792.47
EXPENDITURES		
Distributions to Members:		
Benefit Payments	1,531,620.90	
Lump Sum DROP Distributions	189,177.14	
Refunds of Member Contributions	48,636.20	
Total Distributions		1,769,434.24
Expenses:		
Investment related[1]	83,935.30	
Administrative	69,547.29	
Total Expenses		153,482.59
Change in Net Assets for the Year		2,100,437.93
Net Assets Beginning of the Year		29,764,305.27
Net Assets End of the Year[2]		31,864,743.20

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

DEFERRED RETIREMENT OPTION PLAN ACTIVITY
October 1, 2023 to September 30, 2024

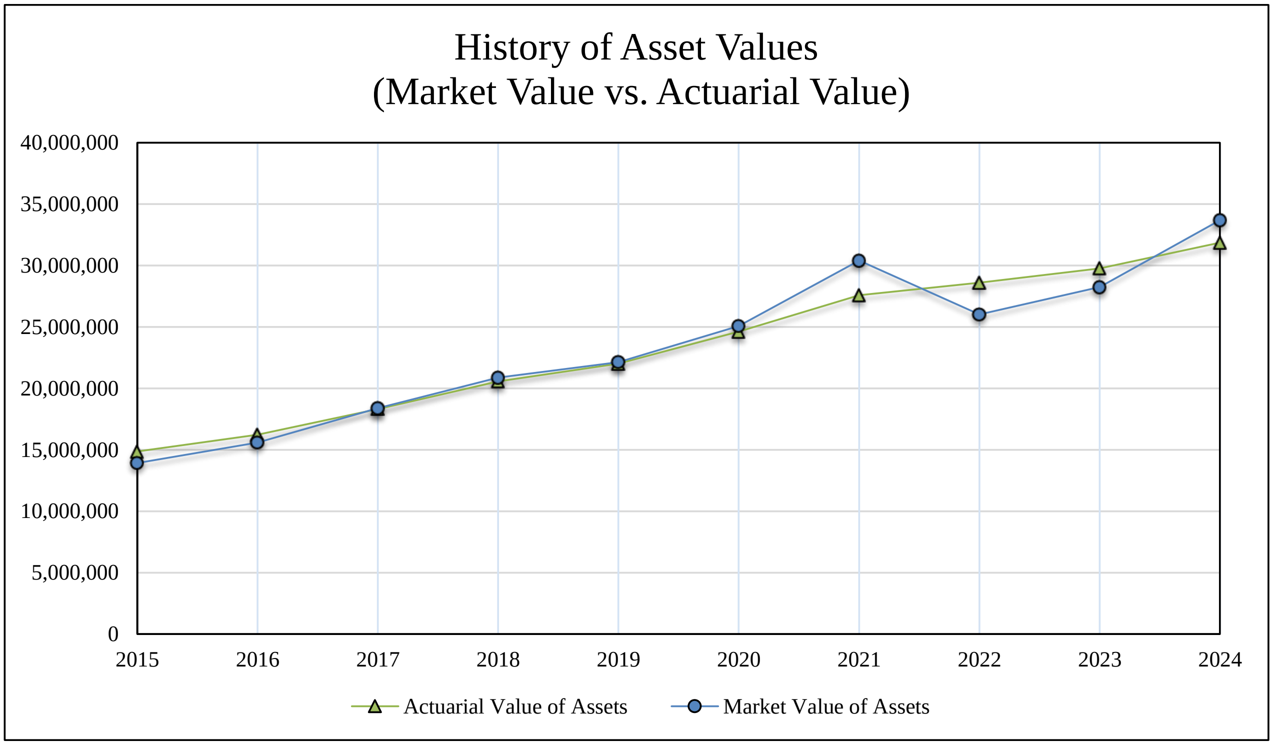
Beginning of the Year Balance	499,867.96
Plus Additions	225,198.34
Investment Return Earned	26,136.14
Less Distributions	(189,177.14)
End of the Year Balance	562,025.30

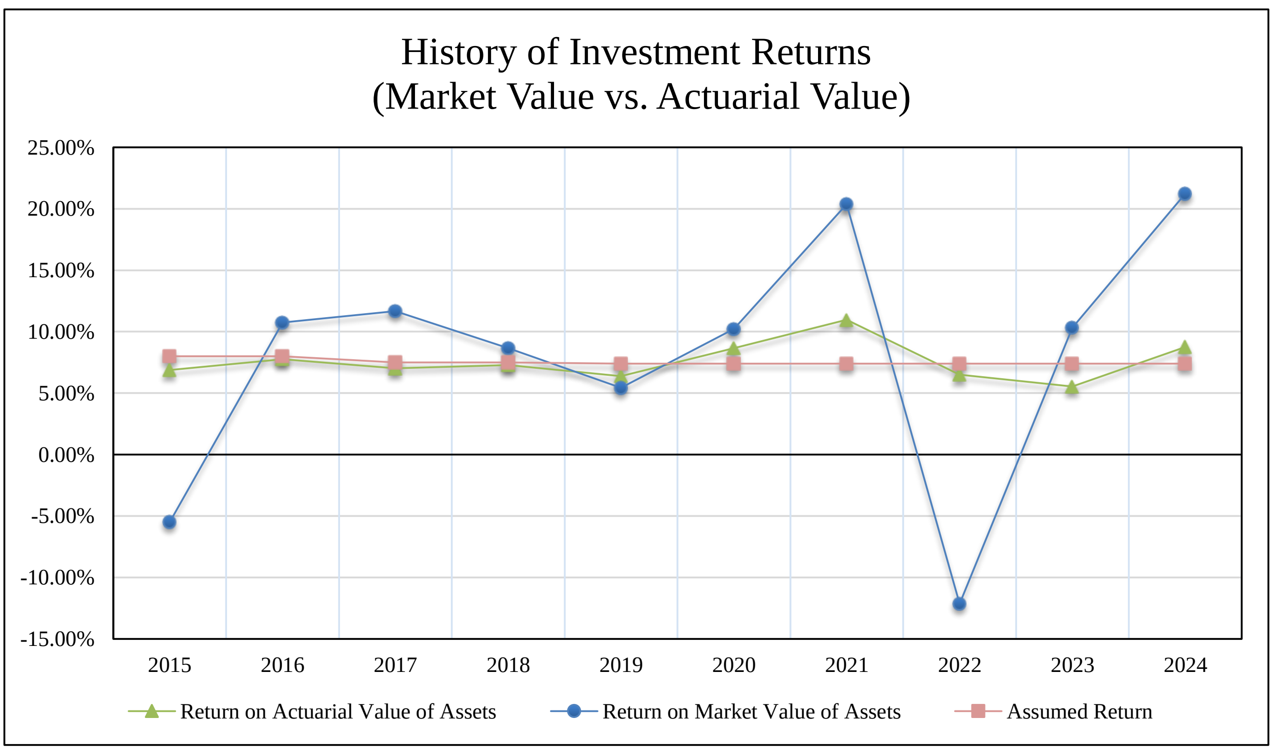
Note: Election option assumption for two new DROP participants is the Normal Form. Therefore, Investment Return Earned is not included.

DISTRICT CONTRIBUTIONS IN EXCESS OF MINIMUM REQUIREMENT
FOR THE FISCAL YEAR ENDED (FYE) SEPTEMBER 30, 2024

(1)	Required District and State Contributions	$1,008,773.00
(2)	Less Allowable State Contribution	(412,488.41)
(3)	Required District Contribution for Fiscal 2024	596,284.59
(4)	Plus 2023 Shortfall Contribution	12,151.22
(5)	Less Actual District Contributions	(684,631.22)
(6)	District Contributions in Excess of Minimum Requirement Applied to Reduce Unfunded Actuarial Accrued Liability as of September 30, 2024	($76,195.41)

HISTORY OF ASSET VALUES AND INVESTMENT RETURNS





STATISTICAL DATA

	10/1/2024	10/1/2023	10/1/2022	10/1/2021
Actives - Hired Before 10/1/12				
Number	10	13	14	14
Average Current Age	44.9	46.0	45.7	44.7
Average Age at Employment	24.7	25.1	25.9	26.2
Average Past Service	20.2	20.9	19.8	18.5
Average Annual Salary	$107,099	$109,719	$88,102	$84,446
Actives - Hired On/After 10/1/12				
Number	23	21	21	19
Average Current Age	32.7	33.2	32.1	32.3
Average Age at Employment	29.4	30.3	29.6	30.4
Average Past Service	3.3	2.9	2.5	1.9
Average Annual Salary	$67,846	$65,588	$59,026	$56,157
Service Retirees				
Number	23	22	20	14
Average Current Age	57.5	56.9	56.5	58.4
Average Annual Benefit	$62,953	$62,524	$64,279	$72,000
DROP Retirees				
Number	5	3	3	5
Average Current Age	53.9	51.2	50.2	50.9
Average Annual Benefit	$81,172	$45,406	$44,515	$55,651
Beneficiaries				
Number	1	1	1	1
Average Current Age	60.4	59.4	58.4	57.4
Average Annual Benefit	$66,336	$65,035	$63,760	$62,510
Disability Retirees				
Number	3	3	3	3
Average Current Age	49.5	48.5	47.5	46.5
Average Annual Benefit	$18,956	$18,956	$18,956	$18,956
Terminated Vested				
Number	9	12	9	12
Average Current Age [1]	41.9	40.9	41.3	43.8
Average Annual Benefit [1]	$12,671	$12,671	$15,428	$22,278

[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	1	2										3
25 - 29	2	2	2		2							8
30 - 34		1				2						3
35 - 39	1			1	1	2	1					6
40 - 44					1			2	3			6
45 - 49		1				1		1	2			5
50 - 54							1	1				2
55 - 59												0
60 - 64												0
65+												0
Total	4	6	2	1	4	5	2	4	5	0	0	33

VALUATION PARTICIPANT RECONCILIATION

1. Active lives

a. Number in prior valuation 10/1/2023	34
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 distribution	(2)
c. Deaths	
i. Beneficiary receiving benefits	0
ii. No future benefits payable	0
d. Disabled	0
e. Retired	0
f. DROP	(3)
g. Continuing participants	29
h. New entrants / Rehires	4
i. Total active life participants in valuation	33

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

	Service Retirees, Vested Receiving Benefits	DROP Benefits	Receiving Death Benefits	Receiving Disability Benefits	Vested (Deferred Annuity)	Vested (Due Refund)	Total
a. Number prior valuation	22	3	1	3	2	10	41
Retired	1	(1)					0
DROP		3					3
Vested (Deferred Annuity)							0
Vested (Due Refund)							0
Hired/Terminated in Same Year							0
Death, With Survivor							0
Death, No Survivor							0
Disabled							0
Refund of Contributions						(3)	(3)
Rehires							0
Expired Annuities							0
Data Corrections							0
b. Number current valuation	23	5	1	3	2	7	41

SUMMARY OF CURRENT PLAN

Board of Trustees	Two District appointees, two Members of the Department elected by the membership, and a fifth Member elected by other 4 and appointed by the District.
Eligibility	Full-time employees who are classified as full-time certified firefighters participate in the System as a condition of employment.
Credited Service	Total years and fractional parts of years of employment with the District as a Firefighter.
Salary	Base pay, plus state supplemental education pay, plus EMT and Paramedic educational differential pay.
Average Final Compensation	Average Salary for the best 5 years during the 10 years immediately preceding retirement or termination.
Member Contributions	8.0% of Salary.
District and State Contributions	Remaining amount required in order to pay current costs and amortize any unfunded past service cost as provided in Part VII of Chapter 112, F.S.
Normal Retirement	
Date	Earlier of: 1) Age 55 and 10 years of Credited Service or 2) 20 Years of Credited Service regardless of age. Members hired on or after October 1, 2012 become eligible following the earlier of 1) Age 55 with 10 years of Credited Service or 2) Age 52 with 25 years of Credited Service.
Benefit	3.5% of Average Final Compensation times Credited Service
Form of Benefit	Ten Year Certain and Life Annuity (options available).
Early Retirement	
Eligibility	Age 50 and 10 Years of Credited Service.
Benefit	Accrued benefit, reduced 3% for each year prior to Normal Retirement.

Cost-of-Living Adjustment	Service retirees on and after 10/1/02 (hired before 10/1/12) receive annual 2% increases beginning the October 1 following one full year of retirement. Members hired on and after 10/1/12 are not eligible for the cost-of-living adjustment.
Vesting	
Schedule	100% after 7 years of contributing service if hired before 10/1/12. Members hired on and after 10/1/12 are 100% vested after 10 years.
Benefit Amount	Member will receive the vested portion of his (her) accrued benefit payable at the otherwise Normal Retirement Date.
Disability	
Eligibility	
Service Incurred	Covered from Date of Employment.
Non-Service Incurred	10 years of Credited Service.
Exclusions	Disability resulting from use of drugs, illegal participation in riots, service in military, etc.
Benefit	Benefit accrued to date of disability but not less than 42% of Average Final Compensation (if Service Incurred).
Duration	Payable for life and ten years certain or until recovery (as determined by the Board). Options available.
Death Benefits	
Pre-Retirement	
Vested	Monthly accrued benefit payable to designated beneficiary for 10 years.
Non-Vested	Refund of accumulated contributions without interest.
Post-Retirement	Benefits payable to beneficiary in accordance with option selected at retirement.
Share Plan	
Funded Status	Not currently funded.

Deferred Retirement Option Plan

Eligibility	Satisfaction of Normal Retirement requirements.
Participation	Not to exceed 60 months.
Rate of Return	At Member’s election: (1) Actual net rate of investment return (total return net of brokerage commissions, management fees and transaction costs) credited each fiscal quarter, or (2) 6.5% per annum compounded monthly. Members may elect to change form of return one time.
Form of Distribution	Cash lump sum (options available) at termination of employment.