

ST. AUGUSTINE
POLICE OFFICERS' RETIREMENT SYSTEM

2022 ACTUARIAL VALUATION

DECEMBER 2022

ACTUARIAL VALUATION AS OF OCTOBER 1, 2022
FOR THE PLAN YEAR BEGINNING OCTOBER 1, 2022
TO DETERMINE CONTRIBUTIONS TO BE PAID
IN THE FISCAL YEAR BEGINNING OCTOBER 1, 2023

December 29, 2022

Board of Trustees
St. Augustine Police Officers' Retirement System
P.O. Box 1950
St. Augustine, Florida 32085

Board of Trustees:

This report presents the results of the 2022 actuarial valuation of the City of St. Augustine Police Officers' Retirement System. Actuarial Concepts was retained by the Board to perform the actuarial valuation and prepare this report. This actuarial valuation was prepared and completed by us or under our direct supervision, and we acknowledge responsibility for the results. To the best of our knowledge, the results are complete and accurate, and, in our opinion, the techniques and assumptions used are reasonable and meet the requirements and intent of Part VII, Chapter 112 and Chapter 185, 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 provided for in the valuation. All known events or trends that require a material increase in plan costs or required contribution rates have been taken into account in the valuation.

The use of the valuation results for financial or administrative purposes, other than those outlined in the report, is not recommended without an advance review by Actuarial Concepts of the appropriateness of such application.

Members of our staff are available to discuss this report and related issues.

Very truly yours,

ACTUARIAL CONCEPTS



By: _____

Michael J. Tierney
ASA, MAAA, FCA, EA #20-1337

TABLE OF CONTENTS

SECTION 1 - KEY VALUATION RESULTS SUMMARY	1-1
Key Results Synopsis.....	1-1
Changes Since Last Valuation	1-2
Plan Experience	1-3
Contribution Requirements.....	1-4
Florida Statutes, Chapter 112.63 Funded Status - Current Liabilities	1-5
AAL Funded Status - Projected Liabilities	1-6
AAL Funded Trend	1-7
Valuation Trend	1-8
Participation Trend.....	1-9
True Costs	1-9
SECTION 2 - ACTUARIAL VALUATION DEVELOPMENT.....	2-1
Date and Basis of Valuation.....	2-1
Member Reconciliation	2-2
Valuation Financial Values.....	2-3
Explanation of Financial Values	2-4
Estimated 10-Year Contribution Projections.....	2-5
Market Value of Assets vs. Expected Retirement Benefits.....	2-6
Sensitivity Study - Estimated Valuation Financial Values at 5.15% Interest.....	2-7
Derivation of Current UAAL	2-8
SECTION 3 - ANALYSIS OF VALUATION RESULTS.....	3-1
Discussion of Valuation Results.....	3-1
Valuation Comparison Table	3-3
Development of Past Excess Contributions	3-5
Effect of Amortization Policy on Contribution Requirements	3-6
UAAL Repayment Schedule	3-7
Documentation of Premium Tax Refund (PTR) Use.....	3-8
Current Liabilities/Plan Asset Comparison	3-10
Comparison of Actual and Assumed Salary Increases.....	3-11
Comparison of Actual and Assumed Investment Returns	3-11
Calculation of Actual Rate of Investment Return.....	3-12
Additional Disclosures.....	3-12
APPENDIX A	
PLAN PROVISIONS SUMMARY.....	A-1
APPENDIX B	
ACTUARIAL ASSUMPTIONS AND ACTUARIAL COST METHOD SUMMARY	B-1
APPENDIX C	
DEVELOPMENT OF ACTUARIAL VALUE OF ASSETS.....	C-1
APPENDIX D	
CENSUS DATA.....	D-1

SECTION 1
KEY VALUATION RESULTS SUMMARY

The 2022 valuation of the City of St. Augustine Police Officers' Retirement System ("Plan") presents a statement of the estimated financial position of the Plan as of October 1, 2022. Information in the report provides bases for determining contribution requirements and current funded status.

Key Results Synopsis

The major conclusions of the report are:

- The total Plan contribution for the 2022-2023 plan year is \$977,156. The required net City contribution (including City contributions by Ordinance) after estimated premium tax refunds of \$233,585 and expected member contributions of \$229,225 is \$514,346.

- The total Plan contribution for the 2023-2024 plan year is \$1,056,758. The required net City contribution (including City contributions by Ordinance) after estimated premium tax refunds of \$233,585 and expected member contributions of \$228,590 is \$594,583.

- Premium tax refunds available for use to offset the total City contribution requirements are limited due to application of the restrictions contained in Chapter 185, Florida Statutes, as interpreted by the State's administrative guidelines. Currently there are accumulated premium tax refunds held in an account for employees share plan of \$69,113, for future allocation.

- The Plan experienced an actuarial loss of approximately \$977,000. Losses occurred from: 1) the lesser than anticipated yield on assets (\$419,000), 2) less favorable demographic experience (fewer retirement and retiree deaths) (\$479,000) and 3) salary increases greater than anticipated (\$79,000). Note that valuation salaries were adjusted downward to take into account the extra pay period that occurred in the FY. Also note that the asset averaging method delays recognition of 80% of gains and losses over the next 4 years (to be melded in with future experience).

- The Plan is 93% funded on a projected liability basis.

- Contributions will decrease in 2024 (FY2025), due to the 2012 UAAL bases reaching the end of their amortization period and becoming fully amortized. This decrease will be offset by an increase of anticipated contributions in first 3 years from the delayed recognition of investment losses by the asset averaging method.

Changes Since Last Valuation

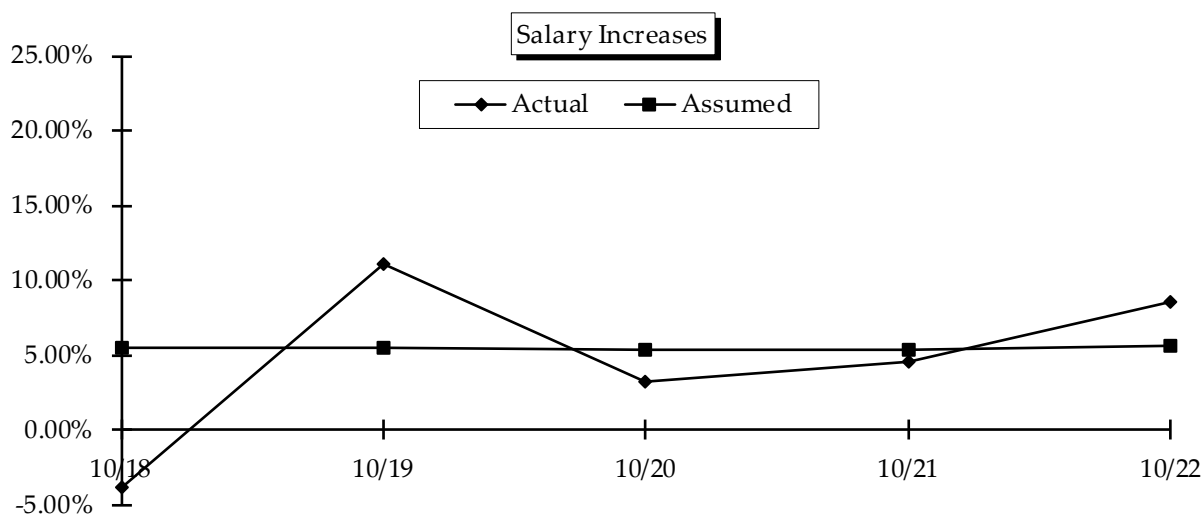
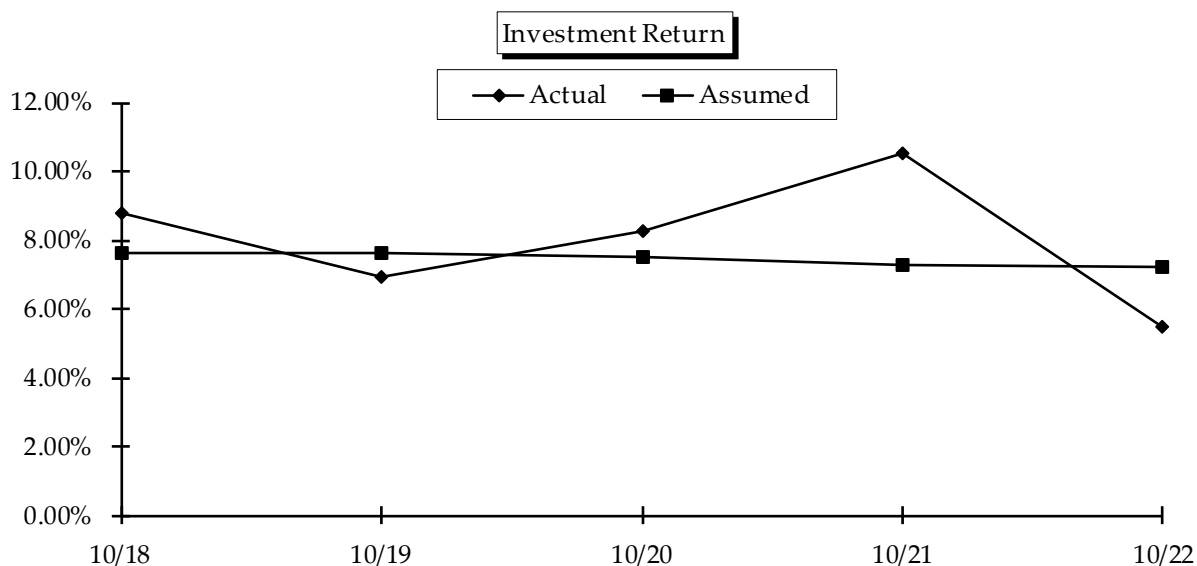
There have been no changes to the plan provisions or actuarial cost method since the last valuation. There has, however, been a reduction in the discount rate from 7.20% to 7.15%.

The valuation assumes a 0% funded annual future cost-of-living increase for current active members. Pre-2000 retirees receive a guaranteed CPI cost-of-living increase up to 2% and an ad hoc cost-of-living increase equal to the total adhoc less 2%. There is no ad hoc increase applicable this year, since the total overall actuarial gains are less than the total of prior ad hoc colas granted. See Page B-7.

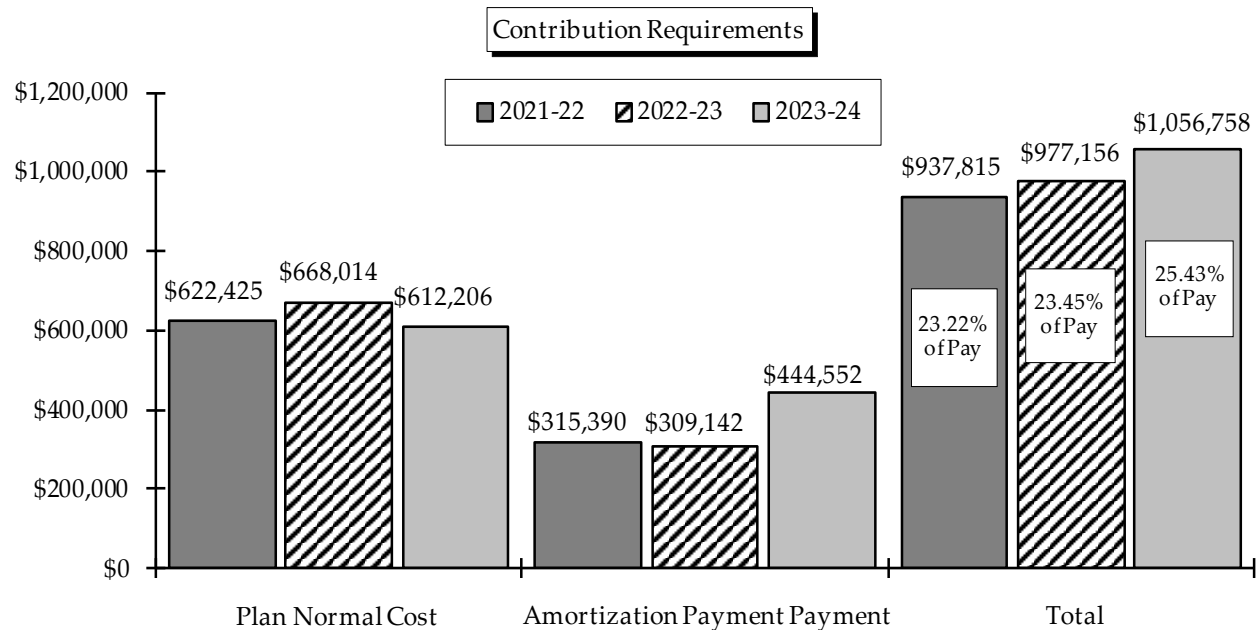
A summary of current plan provisions is included in Appendix A. Actuarial assumptions and cost method are in Appendix B.

Plan Experience

For the 12 months ended September 30, 2022, Plan experience has been less favorable than expected, resulting in a net actuarial loss of approximately \$977,000. Most of the loss is attributable to lower investment returns than assumed, resulting in a loss of approximately \$419,000. Further, a combination of other demographic experience resulted in an actuarial loss of approximately \$479,000 and an actuarial loss of approximately \$79,000 due to greater than assumed salary increases.



Contribution Requirements



Contribution Type*	2021-22	2022-23	2023-24
Total Plan Contributions Required	\$ 937,815	\$ 977,156	\$ 1,056,758
Expected Member Contributions	222,092	229,225	228,590
Expected Chapter 185 Contributions	283,223	233,585 **	233,585
Net City Contributions	432,500	514,346	594,583 ***

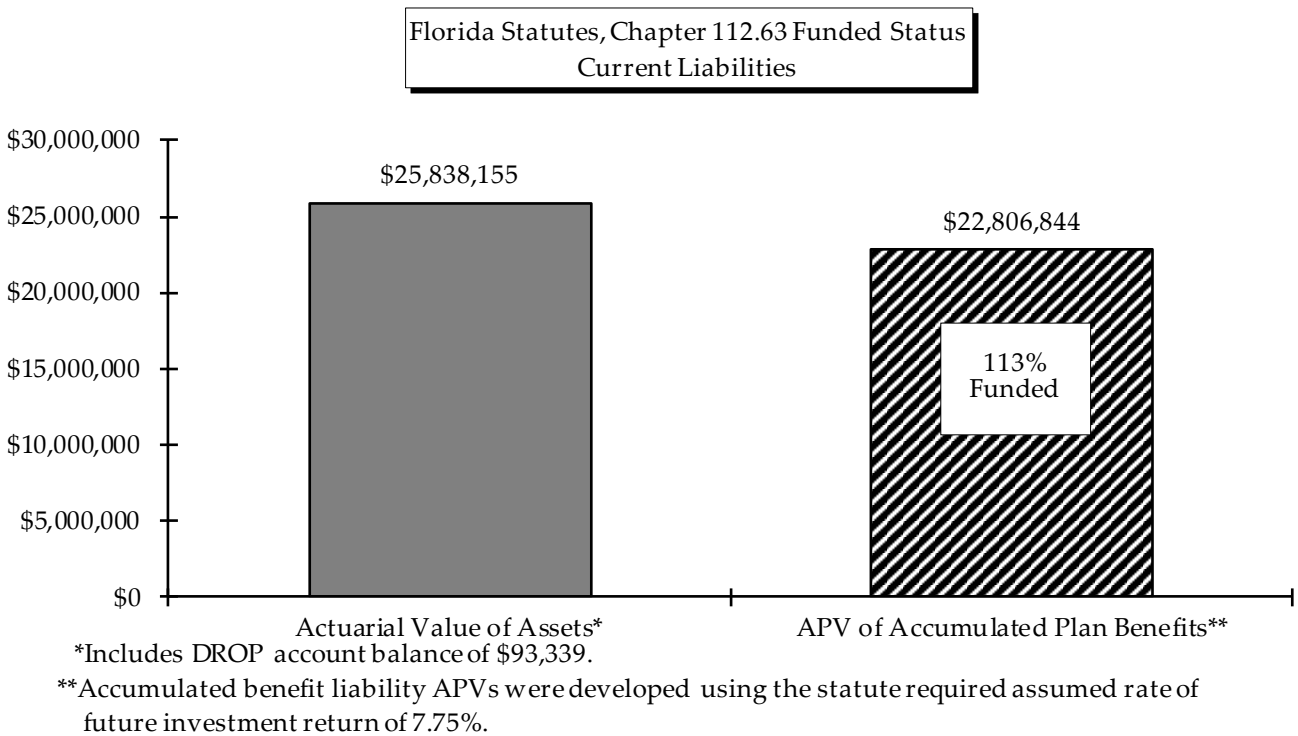
* Payments start one year from valuation date; based on assumed monthly payments.

** Contribution requirement for 2022-23 revised from prior report to reflect actual 2022 Chapter 185 Premium Tax Refunds available to reduce City contributions.

*** Includes estimated City contributions by Ordinance of \$204,190.

Contribution requirements have increased slightly in dollar amount since the last valuation, mostly due to the reduction in discount rate. Contribution requirements as a percentage of payroll also increased due mostly to the participating group's payroll being less, caused by replacement of retiring employees with new members.

Florida Statutes, Chapter 112.63 Funded Status – Current Liabilities

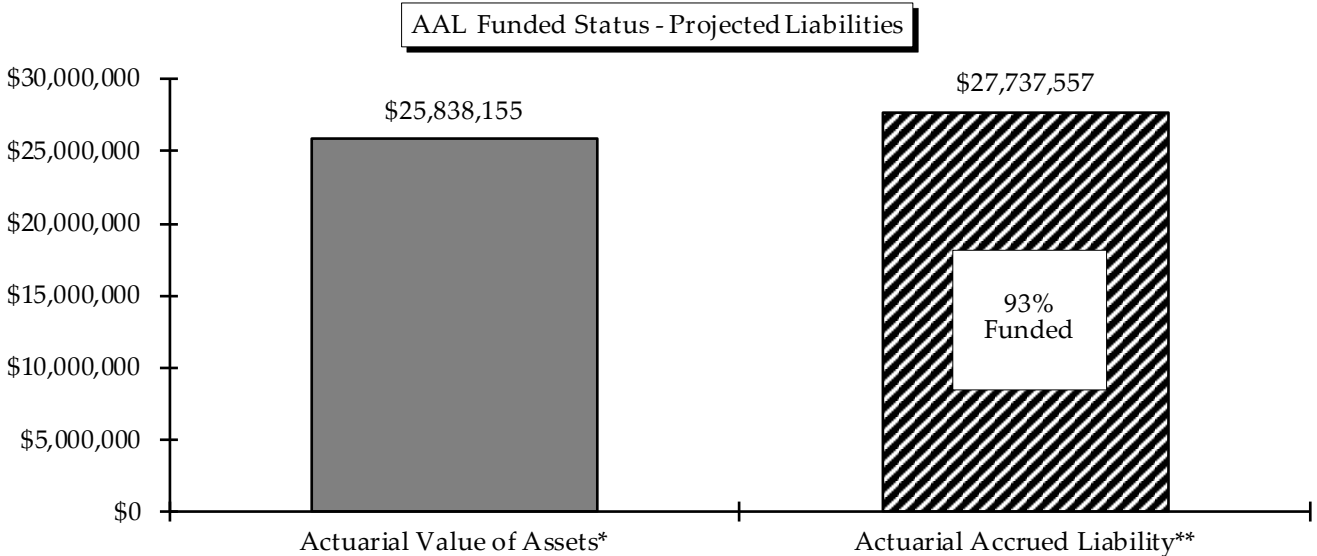


A comparison of current actuarial value of assets of the fund with the current actuarial present value (APV) of benefits accrued based on credited service and salary to date is now a required disclosure under Florida Statutes, Chapter 112.63. This measurement is often used as a surrogate for the liability if the Plan were to stop future benefit accruals. It is called "current liability" since it is based only on current earned benefits, even though the actual payment of those benefits extends many years into the future. The accumulated benefit liability APVs were developed using the statute required assumed rate of future investment return of 7.75%.

The current liability is normally expected to be more than 100% funded for an ongoing plan since the plan will ultimately be liable for a greater accrued benefit (the credited-projected benefit).

The Plan's current liability funded status is 113%.

AAL Funded Status - Projected Liabilities



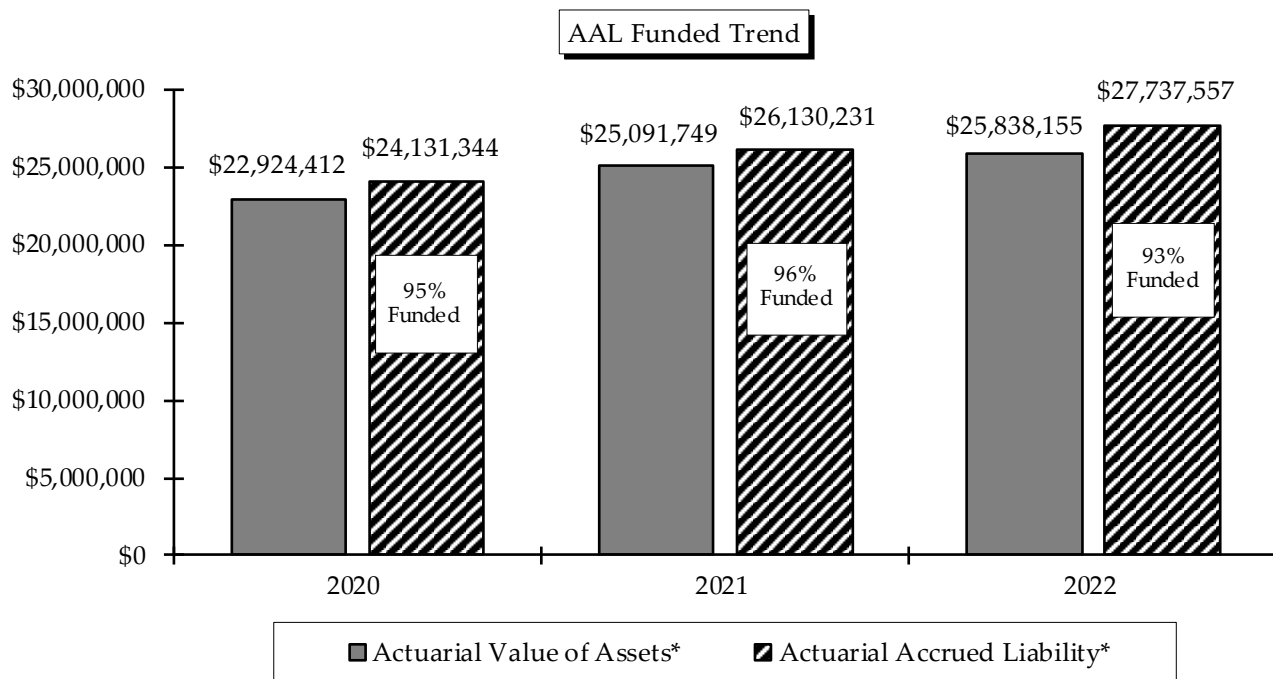
*Includes DROP account balance of \$93,339.

**AAL APVs were developed using an assumed rate of interest discount of 7.15%.

A comparison of assets with the actuarial present value (APV) of benefits accrued based on credited service to date, but projected salary at retirement (referred to as credited-projected benefits), is often used to judge the progress to date of funding the "ultimate" liability associated with service earned to date. The credited-projected benefit liability is not normally expected to be 100% funded, but a maturing plan's funded ratio should increase over time. The AAL APVs were developed using an assumed rate of interest discount of 7.15%.

The Plan's AAL projected funded status is 93%.

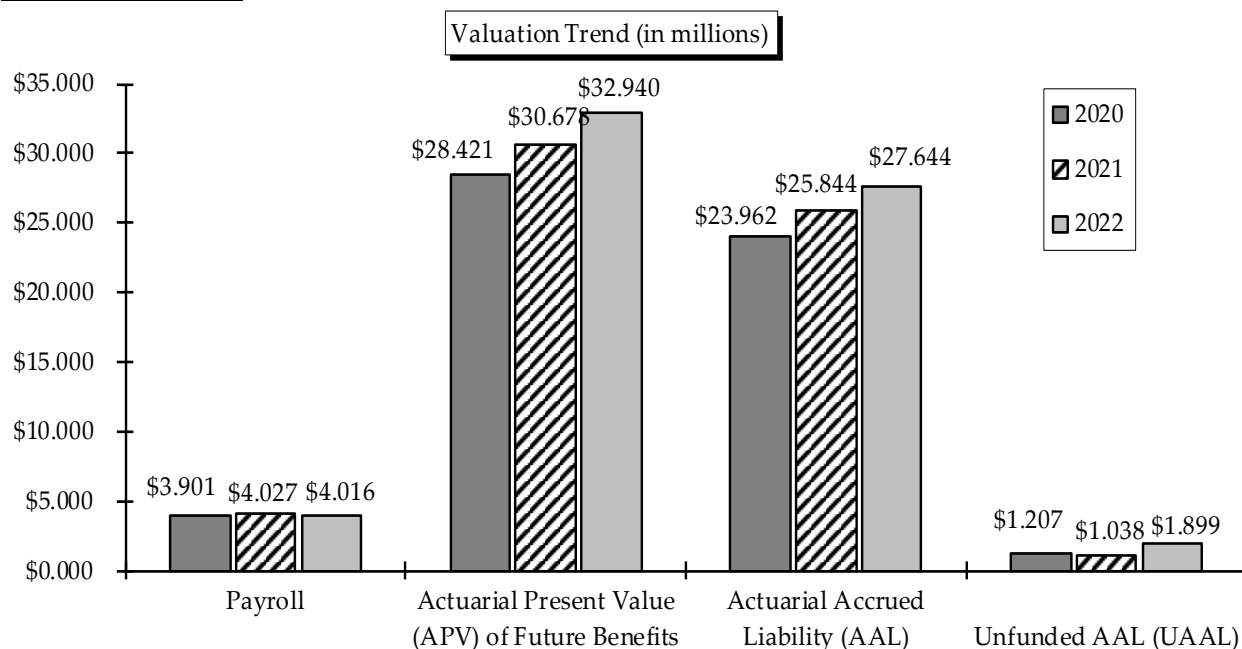
AAL Funded Trend



*Includes DROP account balance of \$93,339.

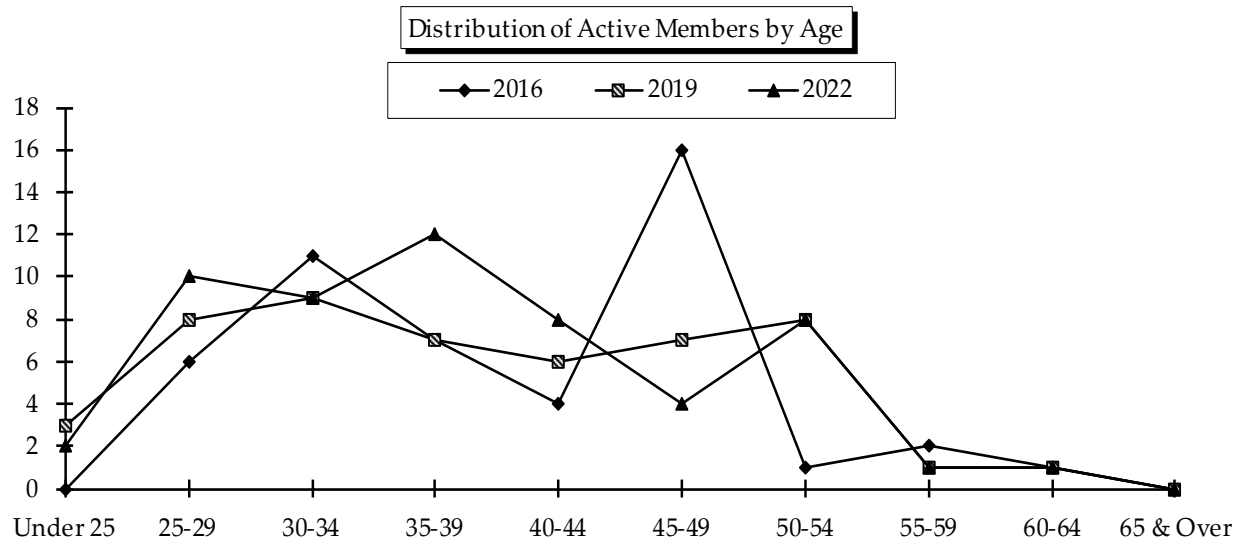
The projected liability funded percentage has decreased 3% since last year. This decrease was due to asset and experience losses.

Valuation Trend



Liabilities have increased from last year as expected, attributable to the normal growth in liabilities as developed by the actuarial cost method due to the advancement in time removing a year of discount, as well as due to the lowering of the assumed interest rate. The unfunded liability's increase was attributable to the poor asset returns.

Participation Trend



True Costs

It should be noted that the true costs of a retirement plan cannot be determined until its future unfolds. No one can precisely predict the interest earnings on fund assets, member termination rates, future salary levels, mortality experience, etc. Estimates based on experience with similar groups, along with the judgment of the actuary and the Plan sponsor, can provide a reasonable approximation of this true cost. As actual experience emerges under the Plan, it will be necessary to study the continued appropriateness of the techniques and assumptions used and to adjust the contribution rate as necessary.

SECTION 2
ACTUARIAL VALUATION DEVELOPMENT

Date and Basis of Valuation

Estimated liabilities for the benefits provided by the City of St. Augustine Police Officers' Retirement System and the contributions required to fund these liabilities have been determined as of October 1, 2022, based upon:

1. the provisions of the Plan, as in effect on October 1, 2022, as summarized in Appendix A;
2. the actuarial assumptions and actuarial cost method, as summarized in Appendix B;
3. the statement of trust fund assets at October 1, 2022, provided by the City, as summarized in Appendix C; and
4. the member data as of October 1, 2022, provided by the Board of Trustees, as summarized in Appendix D.

The trust fund asset information has been supplied by the City. The member data has been supplied by the Board and provided as representative of the current participating group. While the asset and member information were reviewed for overall reasonableness, Actuarial Concepts has relied on the City and the Board for this information and does not assume responsibility for either its accuracy or completeness.

Member Reconciliation

		Members					
		Actives	Retirees and Beneficiaries	DROP Retirees	Disabled Retirees	Vested Terminateds	Pending Refunds
Members at	10/01/21	56	31	2	3	6	4
Increase (Decrease) Due to:							
	Retirements	(5)	3	2	-	-	-
	Vested Terminations	(1)	-	-	-	-	-
	Nonvested Terminations	(4)	-	-	-	-	3
	New Entrants	7	-	-	-	-	-
	Rehire	2	-	-	-	-	-
	Deaths	-	(1)	-	(1)	-	-
	To LP Status	-	-	-	-	-	-
	Contribution Refunded	-	-	-	-	-	(5)
Members at	10/01/22	55	33	4	2	6	2

Valuation Financial Values

1. Participation				
(a) Number of Active Members				55
(b) Number of DROP Members				4
(c) Number of Inactive Members				43
(d) Total Members				102
(e) Total Valuation Payroll				\$ 4,015,631
2. Actuarial Present Value (APV) of Future Benefits as of 10/01/22				
(a) Active Members				
(1) Retirement				11,293,495
(2) Withdrawal				3,198,048
(3) Disability				768,435
(4) Death				303,691
(5) Refund of Contributions				125,695
(6) Total				\$ 15,689,364
(b) DROP Retirees				2,888,993
(c) Retirees and Beneficiaries				12,819,614
(d) Disabled Retirees				416,171
(e) Vested Terminated and Pending Refunds				1,126,317
(f) Pending Retirees				0
(g) Total APV Future Benefits				\$ 32,940,459
3. APV Apportionment of line 2*				
(a) APV of Total Future Normal Costs				5,296,241
(b) Actuarial Accrued Liability [(2f)-(3a)]				27,644,218
(c) Actuarial Value of Assets				25,744,816
(d) Unfunded AAL (UAAL) [(3b)-(3c)]				\$ 1,899,402
4. Breakdown of UAAL on line 3(d)				
(a) UAAL [3(d)]				1,899,402
(b) Change in UAAL Due Assumption Changes				160,955
(c) UAAL Before Change [(4a)-(4b)]				\$ 1,738,447
(d) Expected UAAL				761,267
(e) Actuarial (Gain) Loss [(4c)-(4d)]				\$ 977,180
5. Contribution Requirements Due**				
	End of Month	Oct-23	Equiv. Annual \$ Amount	Percentage of Payroll
(a) Plan Normal Cost Excluding Expenses			\$ 567,947	13.67%
(b) Expense Normal Cost			44,259	1.06%
(c) Total Plan Normal Cost			\$ 612,206	14.73%
(d) Amortization of UAAL			444,552	10.70%
(e) Total Required Plan Contribution [(5c)+(5d)]			\$ 1,056,758	25.43%
(f) Estimated Member Contributions			228,590	5.50%
(g) Estimated Chapter 185 Contribution***			233,585	5.62%
(h) Net City Contribution****			\$ 594,583	14.31%

* Calculated in accordance with the Individual Entry Age Actuarial Cost Method.

** Payments start one year from valuation date; based on assumed monthly payments.

*** Reflects maximum refunds available.

**** Includes estimated City contributions by Ordinance of \$207,809.

Explanation of Financial Values

Actuarial Present Value of Future Benefits (line 2g)

The actuarial present value (APV) of future benefits is determined by first measuring the benefit amount that would be available for each member at various future dates (assuming future service credits earned, and future salary increases awarded) under each of the events provided for by the Plan (retirement, disability, death, termination of employment). Then the future value of those benefit entitlements is determined by multiplying the various benefit amounts by the then current value of the annuities associated with those amounts. Finally, the APV of those future benefit values is determined by applying discounts to recognize the time value of money and probabilities of death, disability, termination of employment, etc.

APV of Total Future Normal Costs (line 3a)

The APV of total future normal costs is that portion of the total APV of future benefits, as described above, that is assigned to future plan years by the Individual Entry Age Actuarial Cost Method (described in Appendix B).

Actuarial Accrued Liability (line 3b) and

Unfunded Actuarial Accrued Liability (line 3d)

The actuarial accrued liability (AAL) and the unfunded AAL (UAAL) (the AAL less the actuarial value of assets) are actuarial values generated under the Individual Entry Age Actuarial Cost Method, as described in Appendix B. The AAL is not the APV of benefits accrued to date by members but is an actuarially determined amount based on the accrual of Individual Entry Age normal cost amounts due prior to the valuation date. The liability for benefits accrued to date (the APV of accumulated benefits) is provided in Section 3.

Total Plan Normal Cost Amount (line 5c)

The Plan normal cost for the 12-month period beginning on the valuation date has been determined by first calculating for each member an individual yearly normal cost (that changes in dollar amount as pay increases but is constant as a percent of each individual's pay), then adding together to obtain the Plan normal cost amount as of the beginning of the year. This preliminary total is then adjusted for interest credits assuming contributions are made monthly and an amount to allow for expected annual expenses.

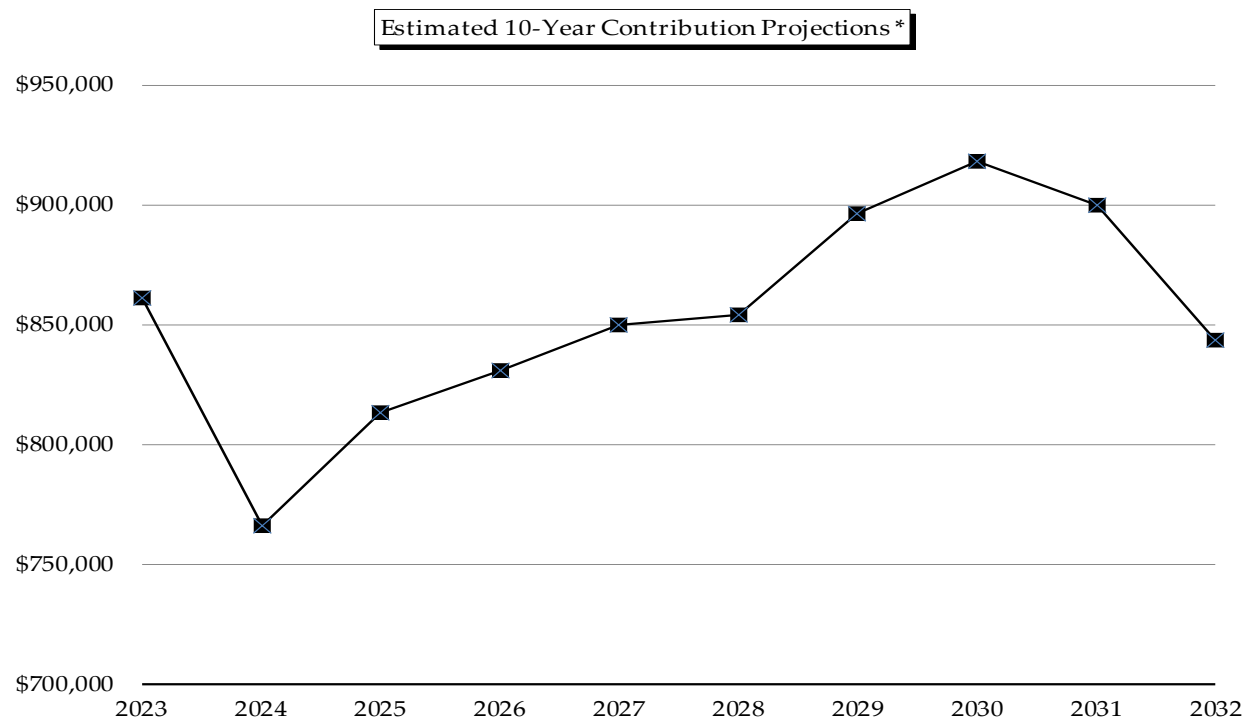
Amortization of UAAL (line 5d)

UAAL bases established prior to October 1, 2012, have been consolidated into a single debit base and amortized over 15 years starting October 1, 2012. UAAL bases established on and after October 1, 2012, due to increases or decreases in liabilities attributable to changes in plan provisions, actuarial assumptions, and/or actuarial gains or losses will be amortized over 15 years as a level dollar amount from inception.

Net City Contribution (line 5h)

The required net City contribution for the plan year is determined by subtracting the estimated member contributions (line 5f) and estimated available Chapter 185 contributions (line 5g) from the required Plan contributions.

Estimated 10-Year Contribution Projections



* Years shown are beginning of year. (e.g. 2024 = FYE25)

The large drop in contributions in 2024 (FY25) is due to the 2012 UAAL bases reaching the end of their amortization period and becoming fully amortized.

Market Value of Assets vs. Expected Retirement Benefits

	Market Value of Current Assets with Expected Interest Less Retirement Benefits		Expected Retirement Benefits of Current and Emerging Retirees	
2022	\$	23,714,908	\$	1,581,331
2023		23,829,193		1,618,128
2024		23,914,852		1,651,126
2025		23,973,638		1,741,946
2026		23,945,807		1,809,310
2027		23,848,622		1,887,591
2028		23,666,208		1,942,789
2029		23,415,553		1,996,486
2030		23,093,279		2,108,138
2031		22,636,310		2,140,795
2032		22,114,012		2,194,665
2033		21,500,498		2,245,747
2034		20,792,037		2,392,563
2035		19,886,105		2,493,210
2036		18,814,751		2,557,751
2037		17,602,255		2,646,790
2038		16,214,026		2,780,409
2039		14,592,920		2,870,984
2040		12,765,330		2,932,460
2041		10,745,591		3,044,547

This exhibit, required by the State, is misleading as it assumes no additional contributions are made, yet the comparison is made to a dynamic measurement of benefit payments (some of which are expected to be paid by future contributions).

Sensitivity Study - Estimated Valuation Financial Values at 5.15% interest

1. Participation				
(a) Number of Active Members				55
(b) Number of DROP Members				4
(c) Number of Inactive Members				43
(d) Total Members				102
(e) Total Valuation Payroll				\$ 4,015,631
2. Actuarial Present Value (APV) of Future Benefits as of 10/01/22				
(a) Active Members				
(1) Retirement				17,461,783
(2) Withdrawal				5,251,678
(3) Disability				1,091,700
(4) Death				455,273
(5) Refund of Contributions				132,249
(6) Total				<u>\$ 24,392,683</u>
(b) DROP Retirees				3,639,535
(c) Retirees and Beneficiaries				15,472,685
(d) Disabled Retirees				481,416
(e) Vested Terminated and Pending Refunds				1,465,199
(f) Pending Retirees				0
(g) Total APV Future Benefits				<u>\$ 45,451,518</u>
3. APV Apportionment of line 2*				
(a) APV of Total Future Normal Costs				9,871,369
(b) Actuarial Accrued Liability [(2f)-(3a)]				35,580,149
(c) Actuarial Value of Assets				<u>25,744,816</u>
(d) Unfunded AAL (UAAL) [(3b)-(3c)]				<u>\$ 9,835,333</u>
4. Breakdown of UAAL on line 3(d)				
(a) UAAL [3(d)]				9,835,333
(b) Change in UAAL Due Assumption Change and Ad Hoc Cola Increase				<u>7,935,931</u>
(c) UAAL Before Change [(4a)-(4b)]				<u>\$ 1,899,402</u>
(d) Expected UAAL				<u>761,267</u>
(e) Actuarial (Gain) Loss [(4c)-(4d)]				<u>\$ 1,138,135</u>
5. Contribution Requirements Due**				
	End of Month	Oct-23	Equiv. Annual \$ Amount	Percentage of Payroll
(a) Plan Normal Cost Excluding Expenses			\$ 974,056	23.44%
(b) Expense Normal Cost			<u>44,668</u>	<u>1.07%</u>
(c) Total Plan Normal Cost			\$ 1,018,724	24.51%
(d) Amortization of UAAL			<u>780,767</u>	<u>18.79%</u>
(e) Total Required Plan Contribution [(5c)+(5d)]			\$ 1,799,491	43.30%
(f) Estimated Member Contributions			228,590	5.50%
(g) Estimated Chapter 185 Contribution***			<u>233,585</u>	<u>5.76%</u>
(h) Net City Contribution			<u>\$ 1,337,316</u>	<u>32.04%</u>

* Calculated in accordance with the Individual Entry Age Actuarial Cost Method.

** Payments start one year from valuation date; based on assumed monthly payments.

*** Adjusted from expected July payment date to monthly equivalent; reflects maximum refunds available.

**** Includes estimated City contributions by Ordinance of \$207,809.

Development of UAAL as of Valuation Date		
1. Unfunded Actuarial Accrued Liability (UAAL) as of	10/01/21	\$ 1,038,482
2. Plan Normal Cost Including Member Portion & Excluding Expenses		534,916
3. Interest Accrued on (1) and (2)		113,285
4. Plan Contributions Made Including Member Contributions & Excluding Expenses		900,642
5. Interest Accrued on (4)		24,774
6. Expected UAAL at Valuation Date [(1)+(2)+(3)-(4)-(5)]		761,267
7. Changes due to:		
(a) Plan Changes		-
(b) Assumption Changes		160,955
(c) Retiree Prefunded COLA Assumption		-
(d) Retiree Ad Hoc Benefit Increases		-
(e) Actuarial (Gain)/Loss		977,180
(f) Total		\$ 1,138,135
8. UAAL at Valuation Date [(6)+(7f)]		1,899,402

SECTION 3
ANALYSIS OF VALUATION RESULTS

Discussion of Valuation Results

The Board of Trustees wishes to provide ongoing cost-of-living increases for its retirees; however, the City will not approve any permanent cost-of-living provision that risks additional City contribution requirements. The Board considers ad hoc cost-of-living increases each year for retirees but wishes to have the valuation take into account (i.e., assume) the greatest future cost-of-living adjustments possible without incurring additional City costs. This way the Board may continue to accumulate funds intended for future cost-of-living increases, thus making progress toward the pre-funding of a permanent cost-of-living feature.

The valuation assumes a 0% funded annual future cost-of-living increase for current active members. Pre-2000 retirees receive a guaranteed CPI cost-of-living increase up to 2% and an ad hoc cost-of-living increase equal to the total ad hoc less 2%, resulting in a 0% ad hoc increase for this year. Post-2000 retirees receive no ad hoc increase, as there is no remaining cumulative actuarial gains in excess of prior ad hoc payments made. See Page B-7.

If the participating group remained unchanged and all the actuarial assumptions were realized, the Plan's experience would be as anticipated, and there would be no actuarial gain or loss. If the experience were less favorable than anticipated, an actuarial loss would result; if more favorable, an actuarial gain would result.

For the 12 months ended September 30, 2022, Plan experience has been less favorable than expected, resulting in a net actuarial loss of approximately \$977,000. Most of the loss is attributable to lesser investment returns than assumed, resulting in a loss of approximately \$419,000. Further, a combination of other demographic experience resulted in an actuarial loss of approximately \$479,000 and an actuarial loss of approximately \$79,000 due to greater than assumed salary increases.

Future valuations will monitor the Plan's experience to determine whether actuarial gains or losses have occurred since the previous valuation.

It should be noted that the true costs of a retirement plan cannot be determined until its future unfolds. No one can precisely predict the interest earnings on retirement fund assets, mortality rates to be experienced, member termination rates, future salary levels, etc. Estimates based on experience with similar groups, along with the judgment of the actuary and the Plan sponsor, can provide a reasonable approximation of this true cost. As actual experience emerges under the Plan, it will be necessary to study the continued appropriateness of the techniques and assumptions employed and to adjust the contribution rate as necessary.

Valuation Comparison Table

	10/01/21	10/1/2022 Before Assumption Changes	10/1/2022 After Assumption Changes
1. Member Data			
(a) Active Members Under Normal Retirement Age (NRA)	56	55	55
(b) Active Members Over NRA	-	-	-
(c) Pending Retirees	-	-	-
(d) DROP Retirees	2	4	4
(e) Retirees, Beneficiaries and Disableds	34	35	35
(f) Vested Terminated and Pending Refunds	10	8	8
(g) Total Anticipated Valuation Payroll for Next 12 Months	\$ 4,026,795	\$ 4,015,631	\$ 4,015,631
(h) Actuarial Present Value (APV) of Future Valuation Payroll	30,414,907	32,770,177	32,868,689
(i) Total Annual Benefit Payments	1,328,364	1,475,104	1,475,104
2. Assets			
(a) Market Value	27,040,505	23,714,908	23,714,908
(b) Actuarial Value	24,805,883	25,744,816	25,744,816
3. Liabilities			
(a) APV of Future Benefits			
(1) Active Members Under NRA			
--Retirement	12,757,052	11,179,959	11,293,495
--Withdrawal	3,021,559	3,160,989	3,198,048
--Disability	784,157	762,176	768,435
--Death	304,578	300,871	303,691
--Refund of Contributions	91,568	125,540	125,695
--Total	\$ 16,958,914	\$ 15,529,535	\$ 15,689,364
(2) DROP Retirees	1,301,149	2,873,798	2,888,993
(3) Retirees and Beneficiaries	11,142,019	12,764,097	12,819,614
(4) Disabled Members	489,544	414,768	416,171
(5) Vested Terminated and Limited Members	786,188	1,119,509	1,126,317
(6) Total	30,677,814	32,701,707	32,940,459
(b) APV of Vested Accrued Benefits	21,289,098	23,236,340	23,362,093
(c) APV of All Accrued Benefits	22,229,511	24,109,116	24,243,499
(d) Actuarial Accrued Liability (AAL)			
(1) Retirement	9,737,401	7,887,318	7,950,299
(2) Withdrawal	1,744,715	1,831,688	1,847,257
(3) Disability	405,953	371,407	373,615
(4) Death	179,819	167,419	168,557
(5) Refund of Contributions	57,577	53,259	53,395
(6) Inactives	13,718,900	17,172,172	17,251,095
(7) Total	\$ 25,844,365	\$ 27,483,263	\$ 27,644,218
(e) Unfunded AAL (UAAL)	1,038,482	1,738,447	1,899,402
4. Breakdown of Plan Normal Costs			
(a) Retirement	316,814	309,369	314,343
(b) Withdrawal	168,108	163,054	165,125
(c) Disability	57,041	52,015	52,379
(d) Death	17,542	17,019	17,175
(e) Refund of Contributions	15,266	18,965	18,925
(f) Expense	93,243	44,270	44,259
(g) Total	\$ 668,014	\$ 604,692	\$ 612,206
5. Contribution Requirements** for Year Ended	09/30/23	09/30/24	09/30/24
(a) Plan Normal Cost*	668,014	604,692	612,206
(b) Amortization Payment	309,142	425,277	444,552
(c) Total Plan Requirements**	\$ 977,156	\$ 1,029,969	\$ 1,056,758
(d) Total Plan Requirements with Interest EOY Adjusted***	1,008,997	1,063,531	1,090,956
(e) Estimated Member Contributions with Interest EOY Adjusted***	236,694	236,039	235,988
(f) Estimated City Contribution By Ordinance with Interest EOY Adjusted***	215,177	214,581	214,534
(g) Estimated Chapter 185 Contribution with Interest EOY Adjusted***	283,223	233,585	233,585
(h) Total City Additional Requirement with Interest EOY Adjusted***	273,903	379,327	406,849
(i) Total City Requirement with Interest EOY Adjusted***	772,303	827,492	854,968

* Includes expense normal cost: included in contributions paid under line 5 of

\$93,243

\$44,270

\$44,259

** Assumed payable at the end of each month as determined from prior actuarial valuation.

*** Interest EOY adjusted includes interest adjustments at the valuation interest rate on amounts to end of year.

Valuation Comparison Table (continued)

6. Contribution Requirements for Year Ended	09/30/22
(a) Plan Normal Cost****	\$622,425
(b) Amortization Payment***	<u>315,390</u>
(c) Total Plan Requirements	\$ 937,815
(d) Total Plan Requirement with Interest EOY Adjusted****	968,793
(e) Estimated Member Contributions with Interest EOY Adjusted****	229,543
(f) Estimated City Contribution By Ordinance with Interest EOY Adjusted****	191,012
(g) Estimated Chapter 185 Contribution with Interest EOY Adjusted***	283,223
(g) Total City Additional Requirements with Interest EOY Adjusted****	265,015
(h) Total City Requirements with Interest EOY Adjusted****	739,250

*** Interest EOY adjusted includes interest adjustments at the valuation interest rate on amounts to end of year.

**** Includes expense normal cost: included in contributions paid under line 5 of \$90,219

Development of Past Excess Contributions (PEC)

PEC for Year Ended 9/30/22	Assumed payable monthly	With Interest Adjustment to EOY
(a) PEC Beginning of Year		\$ 694,869
Interest on PEC		50,030
(b) (1) Contribution Required by City	\$ 715,723	739,250
(2) Contribution Required by Members	222,092	229,543
(3) Total Contribution Requirements	\$ 937,815	\$ 968,793
(c) (1) Actual City Contributions Paid *	714,322	731,629
(2) Actual Member Contributions Paid	207,415	214,882
(3) Total Contributions Paid	\$ 921,737	\$ 946,511
(4) Adjustment to balance UAAL with Outst. Balance**		39,794
(d) Amount of PEC paid toward the Contribution Required by City		7,621
(e) PEC End of Year		769,451

* Includes expense normal cost amount of \$36,292.

Use of payment delay method, along with the gain/loss disparity with member contributions, requires adjustment to balance the actual UAAL with the outstanding amortization bases based on minimum required funding.

** Verification of PEC balance:

Theoretical UAAL based on minimum funding (page 3-6)	2,668,853
Actual UAAL (page 2-3)	1,899,402
Excess	769,451

Effect of Amortization Policy on Contribution Requirements

UAAL bases established prior to October 1, 2012, have been consolidated into a single debit base and amortized over 15 years starting October 1, 2012. UAAL bases established on and after October 1, 2012, due to increases or decreases in liabilities attributable to changes in plan provisions, actuarial assumptions, and/or actuarial gains or losses will be amortized over 15 years as a level dollar amount from inception.

UAAL Bases	Initial Amount	Date of First Charge/(Credit)	Years Remaining	Beginning of Year Annual Amortization Payments	Outstanding Balance at Valuation Date
2012 UAAL Fresh Start Loss Bases less than 15 years	\$ 1,590,322	10/01/12	2	\$ 188,362	\$ 364,868
2012 UAAL Fresh Start Bases greater than 15 years	(907,567)	10/01/12	2	(107,495)	(208,224)
2012 2012-13 Actuarial (Gain)/Loss & 2012 Adhoc & Assm Dec	495,876	10/01/12	2	58,733	113,769
2013 2013 Actuarial (Gain)/Loss	126,267	10/01/13	6	14,568	74,203
2014 2013-14 Actuarial (Gain)/Loss and Assumption Update	(190,701)	10/01/14	7	(22,002)	(126,610)
2015 2014-15 Actuarial (Gain)/Loss and Mortality Update	(11,302)	10/01/15	8	(1,304)	(8,307)
2016 2015-16 Actuarial (Gain)/Loss and Mortality Update	332,317	10/01/16	9	38,341	266,318
2017 2016-17 Actuarial (Gain)/Loss and Assumption Update	656,814	10/01/17	10	75,780	567,023
2018 2017-18 Actuarial (Gain)/Loss and Assumption Update	(382,087)	10/01/18	11	(44,083)	(351,914)
2019 2018-19 Actuarial (Gain)/Loss and Assumption Update	249,794	10/01/19	12	28,820	243,522
2020 2019-20 Actuarial (Gain)/Loss and Assumption Update	620,199	10/01/20	13	71,556	635,786
2021 2020-21 Actuarial (Gain)/Loss and Assumption Update	(37,049)	10/01/21	14	(4,275)	(39,717)
2022 2021-22 Actuarial (Gain)/Loss and Assumption Update	1,138,135	10/01/22	15	131,313	1,138,135
Total				\$ 428,314	\$ 2,668,853

UAAL Repayment Schedule

Valuation Year	UAAL Balance	Amortization Payment
10/01/22	\$ 2,668,853	\$ 444,552
10/01/23	2,539,640	444,552
10/01/24	2,262,286	299,659
10/01/25	2,114,683	299,659
10/01/26	1,956,525	299,659
10/01/27	1,787,059	299,659
10/01/28	1,605,476	284,539
10/01/29	1,426,519	307,375
10/01/30	1,211,191	308,729
10/01/31	979,070	268,934
10/01/32	771,434	190,281
10/01/33	630,152	236,035
10/01/34	431,532	206,123
10/01/35	249,591	131,854
10/01/36	131,314	136,291
10/01/37	0	-

Documentation of Premium Tax Refund (PTR) Use

Current PTR received prior year	\$ 233,585
2002 original PTR base amount	<u>243,172</u>
Current incremental amount	\$ -
Portion to be used to fund future member benefits as defined in the Chapter plan for plan year ending 9/30/22	-
Available for use to pay City contribution requirements	233,585

Documentation of Premium Tax Refund Use

Period Ended	Premium Tax Refunds Received for Prior Year	Premium Tax Refunds Usable in Current Year	Portion Used to Fund future "share" plan as Defined in the Chapter
09/30/98	\$ 172,625	\$ 172,625	\$ -
09/30/99	175,762	175,762	-
09/30/00	177,138	177,138	-
09/30/01	184,828	184,828	-
09/30/02	207,123	207,123	-
09/30/03	243,172	208,567	-
09/30/04	249,401	208,567	-
09/30/05	251,979	242,201	-
09/30/06	271,723	271,723	-
09/30/07	251,979	251,979	-
09/30/08	251,979	251,979	-
09/30/09	215,933	215,933	-
09/30/10	193,739	193,739	-
09/30/11	194,147	194,147	-
09/30/12	167,250	167,250	-
09/30/13	161,296	161,296	-
09/30/14	167,880	167,880	-
09/30/15	181,087	181,087	-
09/30/16	175,835	175,835	-
09/30/17	194,937	194,937	-
09/30/18	246,831	245,002	1,830
09/30/19	261,770	252,471	9,299
09/30/20	279,039	261,106	17,934
09/30/21	323,274	283,223	40,051
09/30/22	233,585	233,585	-

Current Liabilities, Plan Asset Comparison*Accumulated Plan Benefits

	<u>10/1/21</u>	<u>10/1/22</u>
1. Actuarial Present Value** (APV) of Vested Accrued Benefits		
(a) Vested Terminated Participants	\$ 955,553	\$ 1,048,856
(b) Retirees and Beneficiaries	12,120,556	15,297,703
(c) DROP Retirees Account Balances	285,866	93,339
(d) Active Participants	7,221,379	5,581,834
(e) Total APV of Vested Accrued Benefits	\$ 20,583,354	\$ 22,021,732
2. APV of Nonvested Accrued Benefits	<u>849,933</u>	<u>785,112</u>
3. APV of Accumulated Plan Benefits [(1)+(2)]	\$ 21,433,287	\$ 22,806,844
4. Actuarial Value of Assets***	25,091,749	25,838,155
5. Excess (if any) of APV of Accumulated Plan Benefits over the Actuarial Value of Assets [(3)-(4)]	-	-
6. Percent Funded [(4)/(3)]	117%	113%

Statement of Changes in Accumulated Plan Benefits

1. APV of Accumulated Plan Benefits at	10/1/21	\$ 21,433,287
2. Increase (Decrease) During the Year Attributable to:		
(a) Plan Amendment		-
(b) Change in Actuarial Assumptions		160,955
(c) System Changes		-
(d) DROP Retiree Account Changes		(93,339)
(e) Benefit Payments		(1,163,075)
(f) Change in Benefits and APV Factors		<u>2,469,016</u>
3. APV of Accumulated Plan Benefits at	10/1/22	\$ 22,806,844

* Per Florida Statute 112.63 funded status.

** Based on 7.75% interest, FRS Mortality Table and other assumed decrements as described in Appendix B.

*** Includes DROP account balance of \$93,339 for 2022 and \$285,866 for 2021.

Comparison of Actual and Assumed Salary Increases

Period Ended	Actual Rate of Increase	Assumed Rate of Increase
09/30/10	-2.00%	5.78%
09/30/11	4.02%	0.00%
09/30/12	-0.01%	0.00%
09/30/13	5.71%	5.44%
09/30/14	4.28%	5.48%
09/30/15	10.83%	5.44%
09/30/16	9.99%	5.53%
09/30/17	18.55%	5.46%
09/30/18	-3.86%	5.51%
09/30/19	11.07%	5.43%
09/30/20	3.14%	5.37%
09/30/21	4.50%	5.33%
09/30/22	8.49%	5.55%

Comparison of Actual and Assumed Investment**Returns**

Period Ended	Actual Rate of Return*	Assumed Rate of Return
09/30/10	3.52%	8.00%
09/30/11	1.36%	7.75%
09/30/12	-0.04%	7.75%
09/30/13	6.03%	7.75%
09/30/14	8.56%	7.75%
09/30/15	6.98%	7.75%
09/30/16	7.98%	7.70%
09/30/17	8.86%	7.70%
09/30/18	8.79%	7.65%
09/30/19	6.94%	7.60%
09/30/20	8.29%	7.50%
09/30/21	10.54%	7.30%
09/30/22	5.50%	7.20%

* Rates of return based on actuarial value of assets.

Calculation of the Actual Rate of Investment Return

Plan Year Ended September 30, 2022

$$R = \frac{2I}{M1+M2-I}, \text{ where}$$

I = \$ 1,351,791 the interest, dividends, plus appreciation or (depreciation)

M1 = 24,805,883 beginning actuarial value

M2 = 25,744,816 ending actuarial value

$$R = \frac{\$ 2,703,581}{\$ 49,198,908}$$

$$R = 5.50\%$$

Additional Disclosures

There are no additional disclosures required under Rules 22D-1.003(4)(f) and (g) of the State of Florida, Department of Management Services, Division of Retirement.

ST. AUGUSTINE POLICE OFFICERS' RETIREMENT SYSTEM

SUMMARY OF PLAN PROVISIONS THAT AFFECT THE VALUATION**Definitions**

- | | |
|------------------------|--|
| 1. Ordinances: | Original Ordinance: Article 10 of the St. Augustine Code. |
| | Amendments: #2000-05
#2000-24
#2004-19
#2006-02
#2006-29
#2010-33 |
| 2. Member: | All full-time police officers employed by the City are eligible for membership in the Plan upon date of hire. |
| 3. Contributions: | 5.5% of Salary contributed by Members. |
| 4. Creditable Service: | The number of full and fractional years worked from date of hire to date of termination or retirement. Up to three years of certain military and prior law enforcement service may be purchased at full actuarial cost and credited as Creditable Service. |
| 5. Salary: | Total cash remuneration paid to a police officer for services rendered during a particular year, including base salary, overtime limited to 300 hours, special incentive pay and sick leave or vacation leave taken during the year. Salary shall not include lump-sum payments for accrued leave not taken. |

6. Final Average Salary: One-twelfth of the average of a Member's annual Salary for the five highest years of the last 10 years of Creditable Service, as of the date of benefit determination.
7. Accrued Benefit: A monthly benefit payable for life, with 120 monthly payments guaranteed, starting at Normal Retirement Age, equal to 2.5% of Final Average Salary times Creditable Service earned prior to October 1, 2005, plus 3% of Final Average Salary times Creditable Service earned after October 1, 2005.
- For current active Members with less than 20 years of Creditable Service on October 1, 2005, an upgrade of two years of past service from 2.5% to 3% for each year of future service after October 1, 2005. For current active Members with 20 or more years of Creditable Service on October 1, 2005, an additional upgrade of two more years of past service from 2.5% to 3% for each of the first two years of service worked after October 1, 2005.
8. Normal Retirement: Eligibility Date - The earlier of age 55 and 10 years of Creditable Service or 25 years of Creditable Service regardless of age.
- Benefit - Accrued Benefit payable as of the Normal Retirement Date.
9. Early Retirement: Eligibility Date - Age 50 and 10 years of Creditable Service.
- Benefit - A monthly benefit payable for life, with 120 monthly payments guaranteed, starting at the Early Retirement Date, equal to 2% of Final Average Salary times Credited Service, reduced

by 3% for each year by which the Early Retirement Date precedes the Normal Retirement Date.

10. Disability Benefit: Accrued Benefit payable as of the Disability Retirement Date. Minimum benefit is 42% of Final Average Salary, if disability occurs in the line of duty, and 25% of Final Average Salary if disability occurs other than in the line of duty.
11. Delayed Retirement: Eligibility Date - After Normal Retirement Date.
Benefit - Accrued Benefit payable as of the Delayed Retirement Date.
12. Death Benefit before Retirement: If a Member dies before retirement, the beneficiary is entitled to the Accrued Benefit payable for a period of the lesser of 120 months or the life expectancy of the beneficiary.
13. Death Benefit after Retirement: Subject to the terms of the optional benefit form (if any) elected.
14. Termination Benefit: If a Member terminates prior to completing 10 years of Creditable Service, the Member is entitled to a refund, without interest, of the Member Contributions. After completion of 10 years of Creditable Service, a Member is entitled to a benefit equal to the Accrued Benefit payable at Normal Retirement Date.
15. Cost-of-Living Increases: Increase on January 1 of each year for current retirees, if approved by the Pension Board, provided the increase does not exceed 3%.

Members who retired on or before March 1, 2000, are guaranteed an annual increase of actual Consumer Price Index increases up to 2%.

16. DROP:

A Member eligible for normal retirement may elect to retire from the Plan under the deferred retirement option program (DROP) and continue to work for the Police Department for an additional five years. At the end of the five-year period, the Member must retire; he is then entitled to a monthly benefit determined at date of DROP election plus a lump sum equal to the accumulation of monthly benefits not paid to him during the five-year DROP period including interest earnings at 6.5% annually, compounded monthly.

Any Member who completes 25 years of Creditable Service before attaining age 52 may defer entry into the DROP until attainment of age 52, with no reduction to the five-year DROP period.

ST. AUGUSTINE POLICE OFFICERS' RETIREMENT SYSTEM

ACTUARIAL ASSUMPTIONS AND ACTUARIAL COST METHOD SUMMARY**Actuarial Assumptions**

1. Investment Return:
7.15% per annum, compounded annually*; net of investment expense.

*Underlying long-term rate of inflation of 2.75% per annum.

2. Salary Increase Rate:

<u>Service</u>	<u>Rate</u>
<6	7.0%
6-8	6.0%
9-12	5.0%
13-19	4.0%
20+	3.5%

3. Healthy Mortality Rates:

	Male (Special Risk): RP2000 Generational, 10% Annuitant White Collar/90% Annuitant Blue Collar		RP-2014 White Collar- Female Scale BB
<u>Age</u>	<u>Male</u>	<u>Female</u>	
25	0.04%	0.02%	
30	0.07%	0.03%	
35	0.10%	0.05%	
40	0.13%	0.06%	
45	0.17%	0.10%	
50	0.24%	0.16%	
55	0.41%	0.26%	
60	0.80%	0.47%	

4. Disabled Mortality Rates:

<u>Age</u>	Male Disabled (Special Risk): 60% RP2000 Disabled Male setback four years / 40% Annuitant White Collar with no setback		Female Disabled (Special Risk): 60% RP2000 Disabled Female set forward two years / 40% Annuitant White Collar with no setback	
	<u>Male</u>		<u>Female</u>	
25	1.37%		0.46%	
30	1.37%		0.46%	
35	1.38%		0.47%	
40	1.39%		0.47%	
45	1.41%		0.58%	
50	1.51%		0.87%	
55	1.95%		1.22%	
60	2.43%		1.63%	

5. Retirement Rates:

<u>Age</u>	<u>Service</u>	
	<u>10-24</u>	<u>25+</u>
46-51	0%	10%
52-54	0%	20%
55-56	25%	50%
57-59	50%	50%
60+	100%	100%

6. Termination Rates:

<u>Age</u>	<u>Service</u>					
	<u>Male</u>			<u>Female</u>		
	<u>0-3</u>	<u>3-5</u>	<u>5+</u>	<u>0-3</u>	<u>3-5</u>	<u>5+</u>
<25	20.00%	20.00%	3.00%	33.00%	2.00%	2.00%
25-29	20.00%	20.00%	3.00%	33.00%	2.00%	2.00%
30-34	20.00%	20.00%	3.00%	33.00%	2.00%	2.00%
35-39	20.00%	20.00%	3.00%	33.00%	2.00%	10.00%
40-44	5.00%	5.00%	5.00%	15.00%	2.00%	2.00%
45-49	5.00%	5.00%	5.00%	15.00%	2.00%	10.00%
50-54	5.00%	5.00%	5.00%	15.00%	2.00%	2.00%
55+	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

7. Disability Incidence Rates:

<u>Age</u>	<u>Male</u>	<u>Female</u>
25	0.07%	0.04%
35	0.15%	0.12%
45	0.36%	0.28%
55	1.18%	0.83%

8. Actuarial Value of Assets:
5 year moving market average.9. Plan Expenses:
Actual plan expenses.10. Underlying Inflation Rate:
2.75% per annum, compounded annually.

Long-Term Expected Rate of Return

The long-term expected rate of return on pension plan investments was determined using a building-block method in which best-estimates of expected future real rates of return (expected returns, net of pension plan investment expense and inflation) are developed for each major asset class. These estimates are combined to produce the long-term expected rate of return by weighting the expected future real rates of return by the target asset allocation percentage and by adding expected inflation. Best estimates of arithmetic real rates of return for each major asset class included in the pension plan's target asset allocation are summarized in the following table:

	Development of Long Term Discount Rate					
	Inflation	Real Risk		Total		
		Free Return	Risk Premium	Expected Return	Policy Allocation	Policy Return
Domestic Equity*	2.75%	2.0%	4.5%	9.5%	50.0%	4.75%
Foreign Equity*	2.75%	2.0%	5.5%	10.5%	10.0%	1.05%
Corporate Bonds	2.75%	2.0%	0.5%	5.5%	10.0%	0.55%
Real Estate	2.75%	2.0%	2.5%	7.5%	25.0%	1.88%
U.S. Treasuries and Gov't Agencies	2.75%	2.0%	0.0%	5.0%	5.0%	0.25%
Cash	2.75%	0.0%	0.0%	1.0%	0.0%	0.00%
Total					100.0%	8.48%

*Total equity 65%.

Actuarial Value of Assets

To determine the Plan's contribution requirements, the actuarial value of assets is determined by adjusting the expected value of assets as of any valuation date by a portion of the cumulative differences of the market value of assets and the expected actuarial value of assets starting from October 1, 1990. Each difference is fully recognized over a period not to exceed five years. The expected actuarial value of assets as of any valuation date is determined by applying actual Plan contributions and disbursements and the assumed investment yield to the previous year's expected actuarial value of assets adjusted for any fully recognized cumulative differences. The adjustment is further modified, if necessary, by an amount sufficient to ensure that the actuarial value of assets is not less than 80% nor more than 120% of market value.

Actuarial Cost Method

To determine the Plan's contribution requirements, the Individual Entry Age Actuarial Cost Method was used. Under this method, the cost of each member's projected retirement benefit is funded through a series of annual payments, determined as a level percentage of each year's earnings from age at hire to assumed exit age. This level percentage, known as normal cost, is thus computed as though the Plan had always been in effect. A yearly normal cost for each member is individually determined by multiplying each member's level percentage by the applicable yearly earnings, then adding together to obtain the normal cost amount for the Plan for that year. The accrued value of normal cost payments due prior to the valuation date is termed the actuarial accrued liability (AAL). This amount minus the actuarial value of assets is known as the unfunded actuarial accrued liability (UAAL). The annual cost of a plan consists of two components: normal cost and an amortization payment, which may vary between prescribed limits, toward the UAAL.

It is intended that any negative UAAL be amortized over a 15-year period from valuation date (each valuation will restart a 15-year amortization of the then current balance of the surplus).

UAAL bases established prior to October 1, 2012, have been consolidated into a single debit base and amortized over 15 years starting October 1, 2012. UAAL bases established on and after October 1, 2012, due to increases or decreases in liabilities attributable to changes in plan provisions, actuarial assumptions, and/or actuarial gains or losses will be amortized over 15 years as a level dollar amount from inception.

Miscellaneous Valuation Procedures

1. Projected retirement benefits were limited to IRC Section 415 benefit limits applicable to the current plan year (for fiscal year 2022-2023, \$245,000), payable as a life annuity, beginning at or after age 62, reduced as applicable for earlier benefit commencement with assumed increases equal to the assumed long-term rate of inflation.
2. Projected earnings were limited to IRC Section 401(a)(17) compensation limits applicable to the current plan year (for fiscal year 2022-2023, \$305,000) with assumed increases equal to the assumed long-term rate of inflation.
3. Annual covered payroll is the amount of total pensionable earnings paid during the prior fiscal year for employees who are currently active members in the Plan (that does not include employees still working but retired under the DROP provisions). Valuation payroll is payroll expected to be paid during the current fiscal year, determined using prior-year covered payroll and the salary increase assumption by individual member. Annual valuation payroll for the 2022-23 fiscal year was determined using expected valuation payroll for 2021-22 projected for one year using the Plan's payroll growth assumption.
4. The effect of member contributions on the funding requirements has been recognized through subtracting the expected member contributions from the total Plan contribution requirement to determine the net City portion.
5. Member information is current as of October 1, 2022.
6. No liability was recognized in the valuation for nonvested employees who have terminated, whether or not a break in service has occurred as of the valuation date, since any potential liability for this group is not significant. Note that upon rehire, any applicable prior employment service credits will be fully recognized in the valuation.
7. Although early retirement benefits are payable on a more favorable basis than actuarial equivalent values, it has been assumed that early retirement elections

are infrequent and any additional APV would be small. Therefore, no APV was recognized for subsidized early retirement in the valuation.

8. The contribution requirement includes an amount to recognize the Plan's anticipated administrative expenses based on actual prior experience (see assumptions). This amount is reflected in the required normal cost.
9. Premium tax refunds paid pursuant to Florida Statutes, Chapter 185, expected to be received in the current fiscal year were assumed to be the same as the amount available for the prior year.
10. It was assumed that 100% of future deaths and disablements will occur in the line of duty.
11. The future annual cost-of-living increase was assumed to be 0% per year for post-March 2000 current and future retirees (pre-year 2000 retirees receive a guaranteed minimum 2% per year increase); however, this is independent of the granting of ad hoc cost-of-living increases—see description of procedures below.
12. Ad hoc benefit increases for current retirees of up to 3.0% may be granted by the Board if "sufficient" funds are available (Consumer Price Index increase up to 2.0% is guaranteed for retirees as of March 1, 2000). For purposes of this determination, the APV of the ad hoc increase that would otherwise be applicable based on experience for the fiscal year ending on the valuation date for retirees in payment status was compared to the accumulated actuarial gains that have been experienced since the adoption of this procedure (October 1, 1990) net of prior ad hoc cost-of-living increases granted, accumulated to the valuation date. If the net accumulated gains exceed the APV, the assets are judged "sufficient" for this purpose. The accumulated gains and accumulated prior ad hoc increases are presented below:

<u>Interest</u>	<u>Year Ended</u>	<u>(Gains)/Losses</u>		<u>Ad hoc Increases</u>	
		<u>Accrued</u>	<u>Accumulated</u>	<u>Accrued</u>	<u>Accumulated</u>
9%	9/30/1991	\$ 20,000	\$ 20,000	\$ 23,405	\$ 23,405
9%	9/30/1992	(161,000)	(139,200)	45,245	70,756
9%	9/30/1993	(196,000)	(347,728)	42,542	119,666
9%	9/30/1994	(161,000)	(540,024)	44,349	173,589
8%	9/30/1995	(151,000)	(734,225)	40,548	228,024
8%	9/30/1996	(2,400)	(795,363)	48,396	294,662
8%	9/30/1997	(839,000)	(1,697,992)	40,665	358,899
8%	9/30/1998	(166,000)	(1,999,831)	27,837	415,449
8%	9/30/1999	(441,000)	(2,600,817)	46,563	495,248
8%	9/30/2000	(161,965)	(2,970,847)	34,887	569,755
8%	9/30/2001	310,452	(2,898,063)	20,622	635,957
8%	9/30/2002	(274,387)	(3,404,295)	23,633	710,467
8%	9/30/2003	465,231	(3,211,407)	10,087	777,391
8%	9/30/2004	362,750	(3,105,570)	36,544	876,126
8%	9/30/2005	738,235	(2,615,781)	34,011	980,227
8%	9/30/2006	(20,211)	(2,845,254)	39,801	1,098,446
8%	9/30/2007	(97,338)	(3,170,212)	106,505	1,292,827
8%	9/30/2008	108,200	(3,315,629)	136,471	1,532,724
8%	9/30/2009	628,134	(2,952,745)	-	1,655,342
8%	9/30/2010	374,174	(2,814,791)	51,617	1,839,387
7.75%	9/30/2011	526,124	(2,513,850)	156,651	2,138,590
7.75%	9/30/2012	558,335	(2,150,338)	-	2,304,331
7.75%	9/30/2013	82,221	(2,234,768)	-	2,482,917
7.75%	9/30/2014	(190,701)	(2,598,664)	-	2,675,343
7.70%	9/30/2015	(99,201)	(2,899,261)	-	2,882,682
7.70%	9/30/2016	(81,557)	(3,204,061)	16,227	3,120,875
7.65%	9/30/2017	548,685	(2,900,487)	-	3,359,622
7.65%	9/30/2018	(584,548)	(3,706,922)	87,298	3,703,931
7.60%	9/30/2019	204,844	(3,783,804)	-	3,985,430
7.50%	9/30/2020	75,662	(3,991,927)	-	4,284,337
7.30%	9/30/2021	(571,839)	(4,855,177)	238,532	4,835,625
7.20%	9/30/2022	977,180	(4,227,570)	-	5,183,790

ST. AUGUSTINE POLICE OFFICERS' RETIREMENT SYSTEM

DEVELOPMENT OF ACTUARIAL VALUE OF ASSETS**Expected Value**

10/1/2022

Previous Year's:

1. Expected Value	\$ 23,329,025
2. Previous Years' Fully Recognized Difference	1,116,720
3. Interest on (1) and (2)	1,760,094
4. Contributions with Interest	969,565
5. Benefit Payments with Interest	1,361,546
6. Administrative Expenses with Interest	44,149

Current Year's:

7. Expected Value [(1)+(2)+(3)+(4)-(5)-(6)]	\$ 25,769,709
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Cumulative Differences

1. Market Value	23,714,908
2. Expected Value	25,769,709
3. Cumulative Difference [(1)-(2)]	\$ (2,054,801)

4. Original Differences by Year

Year	Initial Amount	Interest-adjusted Amount
2018	311,763	\$ 414,801
2019	(768,349)	(950,082)
2020	(169,946)	(195,481)
2021	3,276,441	3,512,345
2022	(4,836,383)	(4,836,383)

Actuarial Value

1. Market Value	\$ 23,714,908
2. Expected Value	25,769,709
3. Current Year's Difference	(4,836,383)
4. 20% of Current Difference [(3)x0.2]	(967,277)
5. Previous Years' Cumulative Adjustments	942,384 *
6. Preliminary Actuarial Value [(2)+(4)+(5)]	25,744,816
7. 80% of Market Value [(1)x0.8]	18,971,926
8. 120% of Market Value [(1)x1.2]	28,457,890
9. Actuarial Value within 20% Market Value Corridor	25,744,816

*From "Cumulative Differences" [(0.4 x (4u)) + (0.6 x (4t)) + (0.8 x (4s)) + (1.0 x (4r))]

CITY OF ST. AUGUSTINE POLICE OFFICERS' RETIREMENT SYSTEM

TRUST FUND BALANCE AS OF **10/1/2022**

Cash	\$ 2,037,912
Fixed Income Mutual Funds	3,005,027
Equity Mutual Funds	-
Equity Securities - Domestic	12,509,901
Equity Securities - International	1,250,751
Real Estate	5,080,967
Other	-
Total Assets	\$ 23,884,558
Accounts Receivable	-
Accrued Income	-
Accrued Interest	-
Due From State of Florida	-
Accounts Payable	(7,198)
Refunds Payable	-
Due from Brokers	-
Trust Assets at Market Value before Premium Tax Refund Restriction	\$ 23,877,360
Premium Taxes not Countable	69,113
DROP Account Balances	93,339
Assets Available for Pensions	\$ 23,714,908

Asset Percentage Weightings

Cash	8.53%
Equity	57.62%
Bond	12.58%
Real Estate	21.27%
Other	<u>0.00%</u>
Total	100.00%

CITY OF ST. AUGUSTINE POLICE OFFICERS' RETIREMENT SYSTEM

ANALYSIS OF CHANGE IN MARKET VALUE OF ASSETS*

1. Market Value of Assets as of	10/01/21	\$ 27,326,371
Correction		0
Market Value of Assets as of	10/01/21	\$ 27,326,371
2. Additions		
Cash Contributions		921,737
Interest & Dividend Income		585,019
Miscellaneous Contributions, Income		22,253
Realized Gains (Losses) - Market Value		415,052
Unrealized Gains (Losses) - Market Value		(3,938,685)
Real Estate Trust Income		121,275
Accounts (Payable)/Receivable		-
Total Additions		<u>\$ (1,873,350)</u>
3. Deduct:		
Benefit Payments		1,156,172
Termination Distributions		6,903
DROP payments		343,685
Administrative Expenses		42,615
Investment Expenses		95,399
Total Deductions		<u>\$ 1,644,774</u>
4. Market Value of Assets ** as of	10/01/22	\$ 23,808,247

* Includes DROP Account balances.

ST. AUGUSTINE POLICE OFFICERS' RETIREMENT SYSTEM

RECONCILIATION OF PLAN MEMBERS **10/01/21 - 09/30/22**

		Active Members	Retirees and Beneficiaries	DROP Retirees	Disabled Members	Vested Terminated Members	Pending Refunds
10/1/21	Members	56	31	2	3	6	4
Increase (Decrease) Due to:							
	Retirements	(5)	3	2	-	-	-
	Vested Terminations	(1)	-	-	-	-	-
	Nonvested Terminations	(4)	-	-	-	-	3
	New Entrants	7	-	-	-	-	-
	Rehire	2	-	-	-	-	-
	Deaths	-	(1)	-	(1)	-	-
	Benefits Suspended	-	-	-	-	-	-
	Contribution Refunded	-	-	-	-	-	(5)
9/30/22	Members	55	33	4	2	6	2

INACTIVE MEMBERS AT **09/30/22**

	Number	Annual Benefit Amount
DROP Retirees	4	\$ 219,465
Retirees and Beneficiaries Currently Receiving Payments	33	1,185,252
Disabled Members Currently Receiving Payments	2	51,933
Vested Terminated Members Entitled to Future Benefits	6	\$109,988
Members Entitled to Pending Refunds *	2	N/A
Total	47	\$ 1,566,638

* Annuities not applicable; refunds total \$18,454

CITY OF ST. AUGUSTINE POLICE OFFICERS' RETIREMENT SYSTEM

2022 RECONCILIATION OF DROP ACCOUNT

Name	Value as of <u>9/30/2021</u>	Payments Credited to <u>Account</u>	Investment Earnings Credited	<u>Withdrawals</u>	Value as of <u>9/30/2022</u>
Aiple,C	\$ -	\$ 6,426.72	\$ 52.32	\$ -	\$ 6,479.04
Cuthbert,A W	-	30,550.86	584.45	-	31,135.31
Frasca, BD	-	8,450.02	68.78	-	8,518.80
McCaulley, PV	123,701.38	34,202.54	5,352.67	(163,256.59)	-
Michaux, JL	-	46,068.64	1,137.23	-	47,205.87
Whitehead, JL	162,164.91	14,630.68	3,632.90	(180,428.49)	-
Totals	\$ 285,866.29	\$ 140,329.46	\$ 10,828.35	\$ (343,685.08)	\$ 93,339.02

CITY OF ST. AUGUSTINE POLICE OFFICERS' RETIREMENT SYSTEM

DISTRIBUTION OF ACTIVE PARTICIPANTS UNDER NORMAL RETIREMENT AGE
BY ATTAINED AGE AND COMPLETED YEARS OF SERVICE AS OF 10/01/22

	Completed Years of Service													
	Under 1		1 to 4		5 to 9		10 to 14		15 to 19		20 to 24		Total	
	#	Avg Comp	#	Avg Comp	#	Avg Comp	#	Avg Comp	#	Avg Comp	#	Avg Comp	#	Avg Comp
<u>Attained Age</u>														
Under 25	2	\$ 51,940	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	2	\$ 51,940
25-29	3	53,869	6	62,427	1	69,653	-	-	-	-	-	-	10	60,582
30-34	-	-	3	62,778	5	66,297	1	95,902	-	-	-	-	9	68,413
35-39	1	49,138	2	63,664	2	67,445	6	79,353	1	95,501	-	-	12	73,581
40-44	1	52,920	1	66,135	-	-	3	77,514	3	74,316	-	-	8	71,818
45-49	-	-	-	-	2	72,381	-	-	-	-	1	92,682	4	73,785
50-54	-	-	1	70,411	-	-	2	81,118	2	87,204	2	84,601	8	84,222
55-59	-	-	-	-	1	52,637	-	-	-	-	-	-	1	52,637
60-64	-	-	-	-	-	-	1	64,600	-	-	-	-	1	64,600
65-69	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70 & Over	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	7	207,867	13	325,415	11	328,413	13	398,487	6	257,021	3	177,283	55	70,347