

Retirement Plan for the
Management Employees
Of the City of Cooper City

Actuarial Valuation
As of October 1, 2025

Determines the Contribution
For the 2025/26 Fiscal Year



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December 9, 2025

Introduction

This report presents the results of the October 1, 2025 actuarial valuation of the Retirement Plan for the Management Employees of the City of Cooper City. The report is based on the participant data and asset information provided by the pension plan administrator and, except for a cursory review for reasonableness including a comparison to the data provided for the previous valuation, we have not attempted to verify the accuracy of this information.

The primary purpose of this report is to provide a summary of the funded status of the plan as of October 1, 2025 and to determine the minimum required contribution under Chapter 112, Florida Statutes, for the 2025/26 plan year. In addition, this report provides a projection of the long-term funding requirements of the plan, statistical information concerning the assets held in the trust, statistical information concerning the participant population, and a summary of any recent plan changes.

The liabilities and cost presented in this report are based on numerous assumptions concerning the cost of benefits to be provided in the future, long-term investment returns, and the future demographic experience of the current participants. Anyone referring to this report should remember that the cost developed herein is only an *estimate* of the true cost of providing post-employment pension benefits. No one can predict with certainty whether the true cost will be higher or lower than the cost presented in this report. The calculated cost is entirely dependent upon the assumptions that are described in Table IV-A. If any of the assumptions is changed, then the cost shown in this report will change accordingly. Likewise, if any of the assumptions is not completely realized, then the cost shown in this report will change in the future.

Certain assumptions play a bigger role than others in determining the cost of the post-employment pension benefits. In some cases, relatively small changes in a particular assumption can have a dramatic impact on the anticipated cost of benefits. Although a thorough analysis of the impact of such changes is beyond the scope of this report, Table I-B illustrates the impact that alternative long-term investment returns would have on the normal cost rate.

Minimum Required Contribution

Table I-A shows the development of the minimum required contribution for the 2025/26 plan year. The minimum required contribution is zero.

Chapter 112, Florida Statutes, sets forth the rules concerning the minimum required contribution for public pension plans within the state. Essentially, the City must contribute an amount equal to the annual normal cost of the plan minus the expected employee contributions plus an amortization payment towards the unfunded liability, where the amortization period is no longer than 30 years and where all amounts are adjusted as necessary for administrative expenses and to reflect interest on any delayed payment of the contribution beyond the valuation date. On this basis, the City's 2025/26 minimum required contribution will be equal to zero.



Based on the current assets, participant data, and actuarial assumptions and methods that are used to value the plan, the present-day value of the total long-term funding requirement is \$4,489,313 excluding any adjustments for future administrative expenses. As illustrated in Table I-A, current assets (at actuarial value) are sufficient to cover this entire amount. Demographic and investment experience that differs from that assumed may increase the future employer funding requirement.

Assumption Change

This report reflects a change in the mortality tables pursuant to the changes made by the Florida Retirement System (FRS) as required under State law. The mortality table update reduced the plan's projected liability by \$61,891.

Asset Method Change

This report reflects a change in the method used to determine the actuarial value of assets. Previously, the actuarial value of assets was equal to the market value of assets plus an adjustment to reflect a five-year phase-in of the unexpected investment gains and losses that occur after September 30, 2021 less the DROP balance and advance employer contribution. Effective October 1, 2025, the actuarial value of assets is equal to the market value of assets less the DROP balance and the advance employer contribution.

Identification and Assessment of Risk

The liabilities and cost presented in this report are based on numerous assumptions concerning the cost of benefits to be provided in the future, long-term investment returns, and the future demographic experience of the current participants. Anyone referring to this report should remember that the cost developed herein is only an *estimate* of the true cost of providing post-employment pension benefits. No one can predict with certainty whether the true cost will be higher or lower than the cost presented in this report. The calculated cost is entirely dependent upon the assumptions that are described in Table IV-A. If any of the assumptions is changed, then the cost shown in this report will change accordingly. Likewise, there is always a risk that, should these assumptions not be realized, the liabilities of the plan, the contributions required to fund the plan, and the funded status of the plan may be significantly different than the amounts shown in this report.

Although a thorough analysis of the risk of not meeting the assumptions is beyond the scope of this report, this discussion is intended to identify the significant risks faced by the plan. In some cases, a more detailed review of the risks, including numerical analysis, may be appropriate to help the plan sponsor and other interested parties assess the specific impact of not realizing certain assumptions. For example, Table I-B illustrates the impact that alternative long-term investment returns would have on the contribution rate. Note that this report is not intended to provide advice on the management or reduction of the identified risks nor is this report intended to provide investment advice.



The most significant risk faced by most defined benefit pension plans is investment risk, i.e. the risk that long-term investment returns will be less than assumed. Other related risks include a risk that, if the investments of the plan decline dramatically over a short period of time (such as occurred with many pension plans in 2008), the plan's assets may not have sufficient time to recover before benefits become due. Even if the assets of the plan grow in accordance with the assumed investment return over time, if benefit payments are expected to be large in the short-term (for example, if the plan provides an actuarial equivalent lump sum payment option and a large number of participants are expected to become entitled to such a lump sum in the near future), the plan's assets may not be sufficient to support such a high level of benefit payments. We have provided a 10-year projection of the expected benefit payments in Table III-G to help the Trustees in formulating an investment policy that is expected to provide an investment return that meets both the short- and long-term cash flow needs of the pension plan.

Another source of risk is demographic experience. This is the risk that participants will receive salary increases that are different than the amount assumed, that participants will retire, become disabled, or terminate their employment at a rate that is different than assumed, and that participants will live longer than assumed, just to cite a few examples of the demographic risk faced by the plan. Although for most pension plans, the demographic risk is not as significant as the investment risk, particularly in light of the fact that the mortality assumption includes a component for future life expectancy increases, the demographic risk can nevertheless be a significant contributing factor to liabilities and contribution rates that become higher than anticipated.

A third source of risk is the risk that the plan sponsor (or other contributing entities) will not make, or will not have the ability to make, the contributions that are required to keep the plan funded at a sufficient level. Material changes in the number of covered employees, covered payroll, and, in some cases, hours worked by active participants can also significantly impact the plan's liabilities and the level of contributions received by the plan.

Contents of the Report

Tables I-D through I-I provide a detailed breakdown of various liability amounts by type of benefit and by participant group. Tables II-A through II-F provide information concerning the assets of the trust fund. Specifically, Table II-A shows the development of the actuarial value of assets, which is based on the market value. Tables III-A through III-G provide statistical information concerning the plan's participant population. In particular, Table III-G gives a 10-year projection of the cash that is expected to be required from the trust fund in order to pay benefits to the current group of participants. Finally, Tables IV-A and IV-B provide a summary of the actuarial assumptions and methods that are used to value the plan's benefits as of October 1, 2025, as well as a summary of the changes that have occurred since the previous valuation report was prepared.

Certification

This actuarial valuation was prepared 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 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 change in plan costs or required contribution rates have been taken into account in the valuation.

For the firm,

Charles T. Carr/uc

Charles T. Carr
Consulting Actuary
Southern Actuarial Services Company, Inc.

Enrolled Actuary No. 23-04927

The individual above is a member of the American Academy of Actuaries and meets the Qualification Standards of the American Academy of Actuaries to render the actuarial opinion contained herein.



Minimum Required Contribution

Table I-A

For the 2025/26 Plan Year

Entry Age Normal Cost	\$0
Unfunded Liability Amortization Payment	\$0
Expense Allowance	\$17,500
Expected Employee Contribution	\$0
Employer Contribution as of the Beginning of the Plan Year	\$17,500
Overfunding Credit	(\$17,500)
Adjustment to Reflect BOY Employer Contribution	\$0
Minimum Required Contribution	\$0

Additional Disclosures

Present Value of Future Compensation	\$0
Present Value of Future Employer Contributions	\$0
Present Value of Future Employee Contributions	\$0



Present Value of Future Benefits

Table I-D

	Old Assumptions <u>w/o Amendment</u>	Old Assumptions <u>w/ Amendment</u>	New Assumptions <u>w/ Amendment</u>
<u>Actively Employed Participants</u>			
Retirement benefits	\$0	\$0	\$0
Termination benefits	\$0	\$0	\$0
Disability benefits	\$0	\$0	\$0
Death benefits	\$0	\$0	\$0
Refund of employee contributions	\$0	\$0	\$0
Sub-total	\$0	\$0	\$0
<u>Deferred Vested Participants</u>			
Retirement benefits	\$0	\$0	\$0
Termination benefits	\$0	\$0	\$0
Disability benefits	\$0	\$0	\$0
Death benefits	\$0	\$0	\$0
Refund of employee contributions	\$0	\$0	\$0
Sub-total	\$0	\$0	\$0
<u>Due a Refund of Contributions</u>	\$0	\$0	\$0
<u>Deferred Beneficiaries</u>	\$0	\$0	\$0
<u>Retired Participants</u>			
Service retirements	\$4,551,204	\$4,551,204	\$4,489,313
Disability retirements	\$0	\$0	\$0
Beneficiaries receiving	\$0	\$0	\$0
DROP participants	\$0	\$0	\$0
Sub-total	\$4,551,204	\$4,551,204	\$4,489,313
<u>Grand Total</u>	<u>\$4,551,204</u>	<u>\$4,551,204</u>	<u>\$4,489,313</u>
Present Value of Future Payroll	\$0	\$0	\$0
Present Value of Future Employee Contribs.	\$0	\$0	\$0
Present Value of Future Employer Contribs.	\$0	\$0	\$0



Present Value of Accrued Benefits

Table I-E

	Old Assumptions <u>w/o Amendment</u>	Old Assumptions <u>w/ Amendment</u>	New Assumptions <u>w/ Amendment</u>
<u>Actively Employed Participants</u>			
Retirement benefits	\$0	\$0	\$0
Termination benefits	\$0	\$0	\$0
Disability benefits	\$0	\$0	\$0
Death benefits	\$0	\$0	\$0
Refund of employee contributions	\$0	\$0	\$0
Sub-total	\$0	\$0	\$0
<u>Deferred Vested Participants</u>			
Retirement benefits	\$0	\$0	\$0
Termination benefits	\$0	\$0	\$0
Disability benefits	\$0	\$0	\$0
Death benefits	\$0	\$0	\$0
Refund of employee contributions	\$0	\$0	\$0
Sub-total	\$0	\$0	\$0
<u>Due a Refund of Contributions</u>	\$0	\$0	\$0
<u>Deferred Beneficiaries</u>	\$0	\$0	\$0
<u>Retired Participants</u>			
Service retirements	\$4,551,204	\$4,551,204	\$4,489,313
Disability retirements	\$0	\$0	\$0
Beneficiaries receiving	\$0	\$0	\$0
DROP participants	\$0	\$0	\$0
Sub-total	\$4,551,204	\$4,551,204	\$4,489,313
<u>Grand Total</u>	<u>\$4,551,204</u>	<u>\$4,551,204</u>	<u>\$4,489,313</u>
<u>Funded Percentage</u>	101.41%	101.41%	102.81%

(Note: Funded percentage is equal to the ratio of the usable portion of the market value of assets divided by the present value of accrued benefits.)



Present Value of Vested Benefits

Table I-F

	Old Assumptions w/o Amendment	Old Assumptions w/ Amendment	New Assumptions w/ Amendment
<u>Actively Employed Participants</u>			
Retirement benefits	\$0	\$0	\$0
Termination benefits	\$0	\$0	\$0
Disability benefits	\$0	\$0	\$0
Death benefits	\$0	\$0	\$0
Refund of employee contributions	\$0	\$0	\$0
Sub-total	\$0	\$0	\$0
<u>Deferred Vested Participants</u>			
Retirement benefits	\$0	\$0	\$0
Termination benefits	\$0	\$0	\$0
Disability benefits	\$0	\$0	\$0
Death benefits	\$0	\$0	\$0
Refund of employee contributions	\$0	\$0	\$0
Sub-total	\$0	\$0	\$0
<u>Due a Refund of Contributions</u>	\$0	\$0	\$0
<u>Deferred Beneficiaries</u>	\$0	\$0	\$0
<u>Retired Participants</u>			
Service retirements	\$4,551,204	\$4,551,204	\$4,489,313
Disability retirements	\$0	\$0	\$0
Beneficiaries receiving	\$0	\$0	\$0
DROP participants	\$0	\$0	\$0
Sub-total	\$4,551,204	\$4,551,204	\$4,489,313
<u>Grand Total</u>	<u>\$4,551,204</u>	<u>\$4,551,204</u>	<u>\$4,489,313</u>



Entry Age Normal Accrued Liability

Table I-G

	Old Assumptions <u>w/o Amendment</u>	Old Assumptions <u>w/ Amendment</u>	New Assumptions <u>w/ Amendment</u>
<u>Actively Employed Participants</u>			
Retirement benefits	\$0	\$0	\$0
Termination benefits	\$0	\$0	\$0
Disability benefits	\$0	\$0	\$0
Death benefits	\$0	\$0	\$0
Refund of employee contributions	\$0	\$0	\$0
Sub-total	\$0	\$0	\$0
<u>Deferred Vested Participants</u>			
Retirement benefits	\$0	\$0	\$0
Termination benefits	\$0	\$0	\$0
Disability benefits	\$0	\$0	\$0
Death benefits	\$0	\$0	\$0
Refund of employee contributions	\$0	\$0	\$0
Sub-total	\$0	\$0	\$0
<u>Due a Refund of Contributions</u>	\$0	\$0	\$0
<u>Deferred Beneficiaries</u>	\$0	\$0	\$0
<u>Retired Participants</u>			
Service retirements	\$4,551,204	\$4,551,204	\$4,489,313
Disability retirements	\$0	\$0	\$0
Beneficiaries receiving	\$0	\$0	\$0
DROP participants	\$0	\$0	\$0
Sub-total	\$4,551,204	\$4,551,204	\$4,489,313
<u>Grand Total</u>	<u>\$4,551,204</u>	<u>\$4,551,204</u>	<u>\$4,489,313</u>
less Actuarial Value of Assets	(\$4,431,496)	(\$4,431,496)	(\$4,615,588)
<u>Unfunded Accrued Liability</u>	<u>\$119,708</u>	<u>\$119,708</u>	<u>\$0</u>



Unfunded Liability Bases

Table I-I

<u>Description</u>	<u>Original Amount</u>	<u>Outstanding Balance</u>	<u>Amortization Payment</u>	<u>Years Rem.</u>
	<i>Total</i>	\$0 ↓	\$0 ↓	



Actuarial Value of Assets

Table II-A

Market Value of Assets as of October 1, 2025 \$4,615,588

Plus/minus advance employer contribution \$0

Actuarial Value of Assets as of October 1, 2025 \$4,615,588

Historical Actuarial Value of Assets

October 1, 2016	\$3,456,895
October 1, 2017	\$3,905,947
October 1, 2018	\$4,126,863
October 1, 2019	\$4,266,040
October 1, 2020	\$4,311,698
October 1, 2021	\$4,937,646
October 1, 2022	\$3,822,320
October 1, 2023	\$4,871,948
October 1, 2024	\$4,630,393
October 1, 2025	\$4,615,588

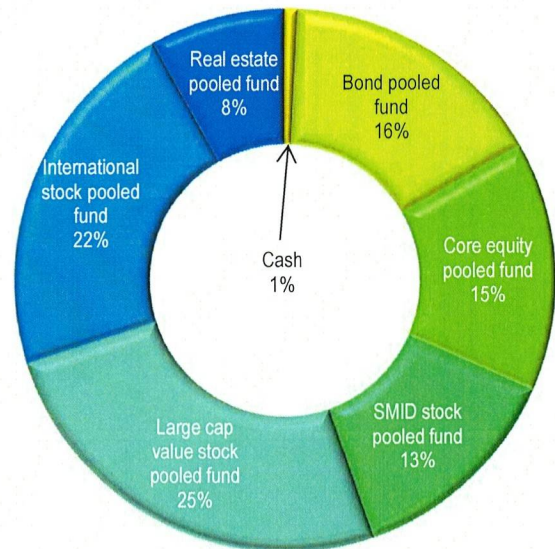


Market Value of Assets

Table II-B

As of October 1, 2025

Market Value of Assets	<u>\$4,615,588</u>
Cash	\$36,925
Bond pooled fund	\$738,494
Core equity pooled fund	\$683,107
SMID stock pooled fund	\$604,642
Large cap value stock pooled fund	\$1,172,359
International stock pooled fund	\$1,006,198
Real estate pooled fund	\$373,863

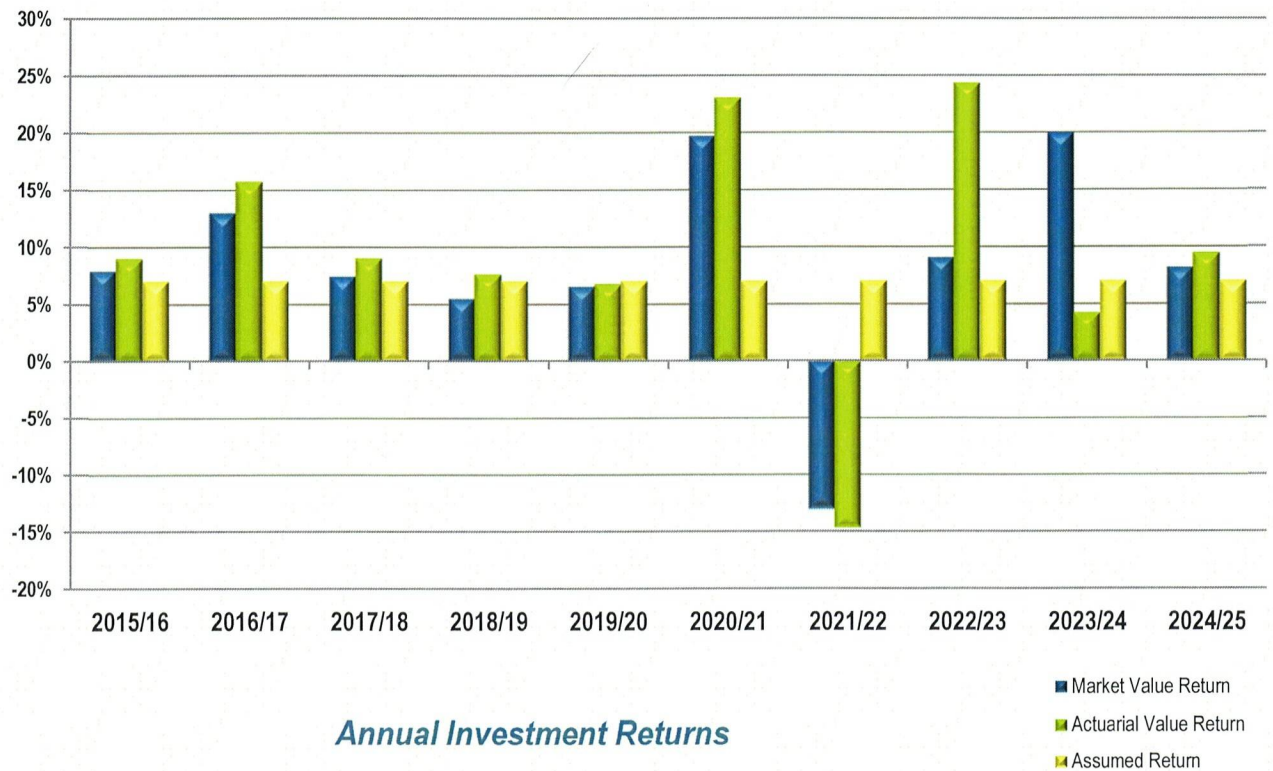
**Historical Market Value of Assets**

October 1, 2016	\$4,034,868
October 1, 2017	\$4,761,276
October 1, 2018	\$4,941,798
October 1, 2019	\$5,059,927
October 1, 2020	\$5,081,123
October 1, 2021	\$5,564,301
October 1, 2022	\$4,354,765
October 1, 2023	\$4,303,753
October 1, 2024	\$4,682,516
October 1, 2025	\$4,615,588



Investment Return

Table II-C



Plan Year	Market Value Return	Actuarial Value Return	Assumed Return
2015/16	7.92%	9.00%	7.00%
2016/17	12.99%	15.71%	7.00%
2017/18	7.43%	9.04%	7.00%
2018/19	5.50%	7.60%	7.00%
2019/20	6.52%	6.76%	7.00%
2020/21	19.73%	23.05%	7.00%
2021/22	-13.01%	-14.60%	7.00%
2022/23	9.08%	24.37%	7.00%
2023/24	20.02%	4.24%	7.00%
2024/25	8.21%	9.49%	7.00%
10yr. Avg.	8.07%	8.95%	7.00%



Asset Reconciliation

Table II-D

	<u>Market Value</u>	<u>Actuarial Value</u>
As of October 1, 2023	\$4,303,753	\$4,871,948
<i>Increases Due To:</i>		
Employer Contributions	\$0	\$0
Employee Contributions	\$0	\$0
Service Purchase Contributions	\$0	\$0
Total Contributions	<u>\$0</u>	<u>\$0</u>
Interest and Dividends	\$0	
Realized Gains (Losses)	\$0	
Unrealized Gains (Losses)	\$1,184,428	
Total Investment Income	<u>\$1,184,428</u>	\$616,233
Other Income	\$0	
Total Income	<u>\$1,184,428</u>	<u>\$616,233</u>
<i>Decreases Due To:</i>		
Monthly Benefit Payments	(\$843,126)	(\$843,126)
Refund of Employee Contributions	\$0	\$0
Total Benefit Payments	<u>(\$843,126)</u>	<u>(\$843,126)</u>
Investment Expenses	\$0	
Administrative Expenses	(\$29,467)	(\$29,467)
Advance Employer Contribution		\$0
Total Expenses	<u>(\$872,593)</u>	<u>(\$872,593)</u>
As of October 1, 2025	<u>\$4,615,588</u>	<u>\$4,615,588</u>



Historical Trust Fund Detail

Table II-E

Income

Plan	Employer	Employee	Service	Interest /	Realized	Unrealized	Other
<u>Year</u>	<u>Contribs.</u>	<u>Contribs.</u>	<u>Purchase</u>	<u>Dividends</u>	<u>Gains /</u>	<u>Gains /</u>	<u>Income</u>
			<u>Contribs.</u>		<u>Losses</u>	<u>Losses</u>	
2015/16	\$407,167	\$30,554	\$0	\$0	\$0	\$289,334	\$0
2016/17	\$415,079	\$31,636	\$0	\$0	\$0	\$536,281	\$0
2017/18	\$378,645	\$31,616	\$0	\$0	\$0	\$347,409	\$0
2018/19	\$137,084	\$23,114	\$0	\$0	\$0	\$267,552	\$0
2019/20	\$0	\$9,254	\$0	\$0	\$0	\$320,277	\$0
2020/21	\$0	\$0	\$0	\$0	\$0	\$955,829	\$0
2021/22	\$0	\$0	\$0	\$0	\$0	-\$689,935	\$0
2022/23	\$0	\$0	\$0	\$0	\$0	\$376,064	\$0
2023/24	\$0	\$0	\$0	\$0	\$0	\$817,650	\$0
2024/25	\$0	\$0	\$0	\$0	\$0	\$366,778	\$0

Expenses

Plan	Monthly	Contrib.	Admin.	Invest.	<u>Other Actuarial Adjustments</u>	
<u>Year</u>	<u>Benefit</u>				DROP	Employer
	<u>Payments</u>	<u>Refunds</u>	<u>Expenses</u>	<u>Expenses</u>	<u>Credits</u>	<u>Contribs.</u>
2015/16	\$244,921	\$0	\$8,288	\$0	\$57,373	\$223,580
2016/17	\$246,044	\$0	\$10,544	\$0	\$72,381	\$204,975
2017/18	\$559,765	\$0	\$17,383	\$0	-\$244,062	\$203,668
2018/19	\$295,462	\$0	\$14,159	\$0	\$39,723	-\$21,048
2019/20	\$296,959	\$0	\$11,376	\$0	\$93,947	-\$158,132
2020/21	\$457,036	\$0	\$15,615	\$0	-\$39,460	-\$103,310
2021/22	\$503,140	\$0	\$16,461	\$0	-\$94,210	\$0
2022/23	\$416,885	\$0	\$10,191	\$0	\$0	-\$532,445
2023/24	\$420,627	\$0	\$18,260	\$0	\$0	\$0
2024/25	\$422,499	\$0	\$11,207	\$0	\$0	\$0

Note: Information was not available to separate the investment expenses from the investment income nor was information available to separate the investment income by source.



Other Reconciliations

Table II-F

Advance Employer Contribution

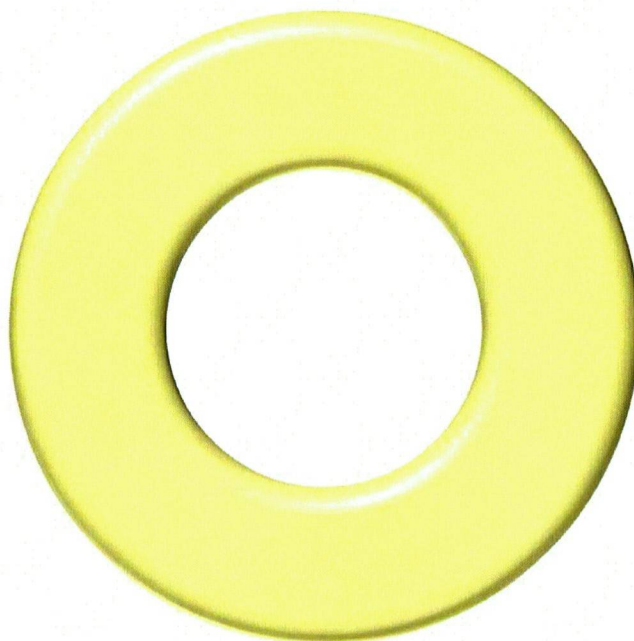
Advance Employer Contribution as of October 1, 2023	\$0
Additional Employer Contribution	\$0
Minimum Required Contribution	\$0
Net Increase in Advance Employer Contribution	\$0
Advance Employer Contribution as of October 1, 2024	\$0
Additional Employer Contribution	\$0
Minimum Required Contribution	\$0
Net Increase in Advance Employer Contribution	\$0
Advance Employer Contribution as of October 1, 2025	\$0



Summary of Participant Data

Table III-A

As of October 1, 2025



Participant Distribution by Status

Actively Employed Participants

Active Participants	0
DROP Participants	0

Inactive Participants

Deferred Vested Participants	0
Due a Refund of Contributions	0
Deferred Beneficiaries	0

Participants Receiving a Benefit

Service Retirements	8
Disability Retirements	0
Beneficiaries Receiving	0

Total Participants 8Number of Participants Included in Prior Valuations

	<i>Active</i>	<i>DROP</i>	<i>Inactive</i>	<i>Retired</i>	<i>Total</i>
October 1, 2016	2	1	0	5	8
October 1, 2017	2	1	0	5	8
October 1, 2018	2	0	0	6	8
October 1, 2019	N/A	N/A	N/A	N/A	N/A
October 1, 2020	0	2	0	6	8
October 1, 2021	0	1	0	7	8
October 1, 2022	N/A	N/A	N/A	N/A	N/A
October 1, 2023	0	0	0	8	8
October 1, 2024	N/A	N/A	N/A	N/A	N/A
October 1, 2025	0	0	0	8	8



Data Reconciliation

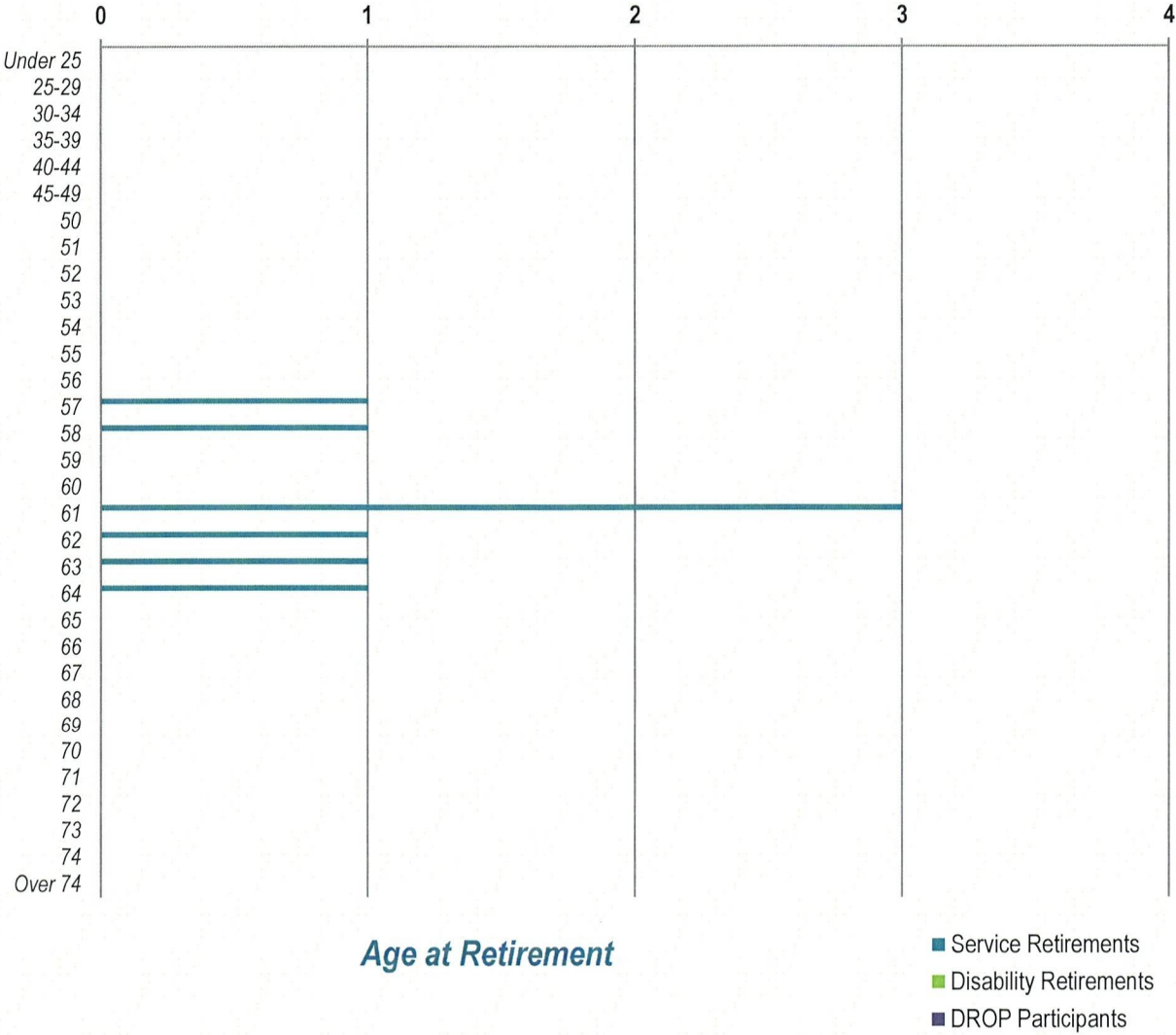
Table III-B

	<u>Active</u>	<u>DROP</u>	<u>Deferred Vested</u>	<u>Due a Refund</u>	<u>Def. Benef.</u>	<u>Service Retiree</u>	<u>Disabled Retiree</u>	<u>Benef. Rec'v.</u>	<u>Total</u>
<u>October 1, 2023</u>	0	0	0	0	0	8	0	0	8
<u>Change in Status</u>									
Re-employed									
Terminated									
Retired									
<u>Participation Ended</u>									
Transferred Out									
Cashed Out									
Died									
<u>Participation Began</u>									
Newly Hired									
Transferred In									
New Beneficiary									
Other Adjustment									
<u>October 1, 2025</u>	0	0	0	0	0	8	0	0	8



Inactive Participant Data

Table III-F



Age at Retirement

- Service Retirements
- Disability Retirements
- DROP Participants

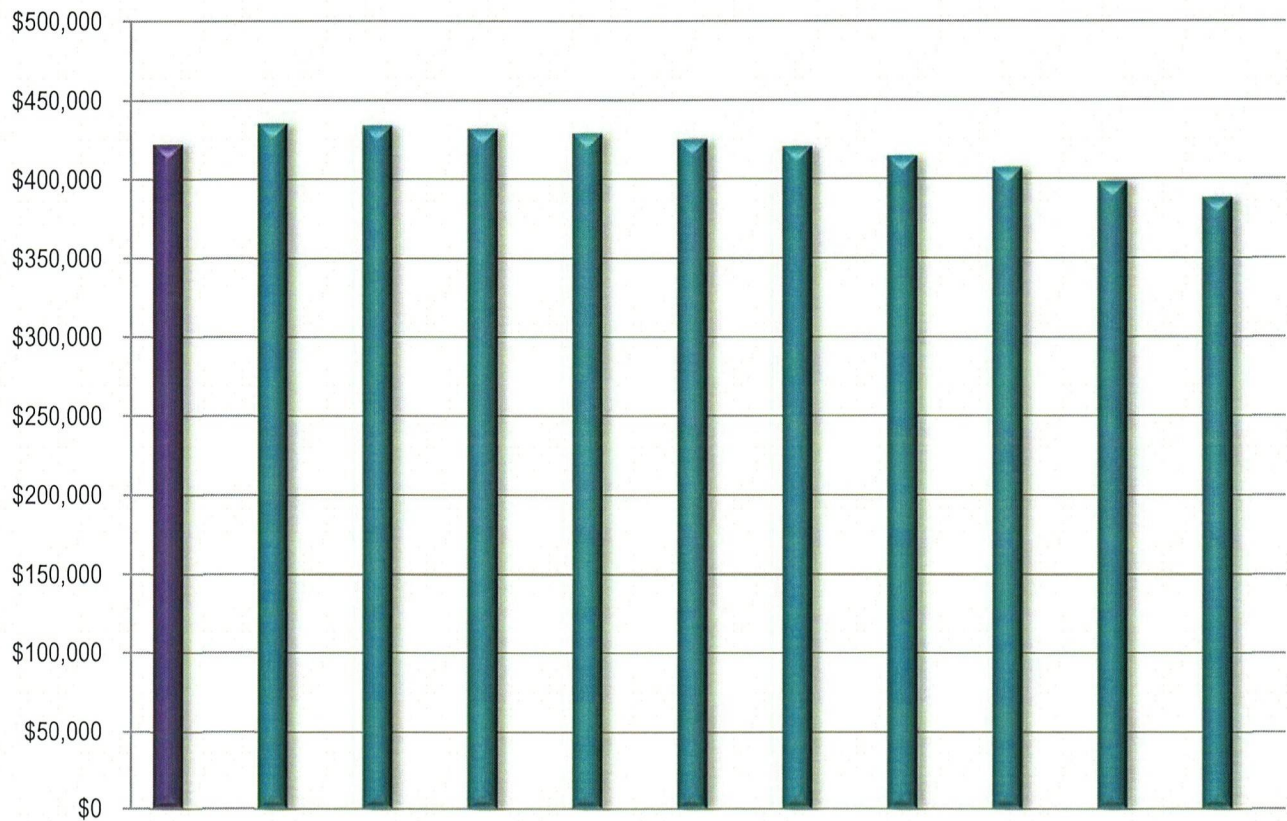
Average Monthly Benefit

Service Retirements	\$4,545.31
Disability Retirements	Not applicable
Beneficiaries Receiving	Not applicable
DROP Participants	Not applicable
Deferred Vested Participants	Not applicable
Deferred Beneficiaries	Not applicable



Projected Benefit Payments

Table III-G

Actual

For the period October 1, 2024 through September 30, 2025

\$422,499

Projected

For the period October 1, 2025 through September 30, 2026

\$435,429

For the period October 1, 2026 through September 30, 2027

\$433,976

For the period October 1, 2027 through September 30, 2028

\$431,889

For the period October 1, 2028 through September 30, 2029

\$429,031

For the period October 1, 2029 through September 30, 2030

\$425,280

For the period October 1, 2030 through September 30, 2031

\$420,489

For the period October 1, 2031 through September 30, 2032

\$414,521

For the period October 1, 2032 through September 30, 2033

\$407,228

For the period October 1, 2033 through September 30, 2034

\$398,485

For the period October 1, 2034 through September 30, 2035

\$388,176



Summary of Actuarial Methods and Assumptions

Table IV-A

NOTE: The following assumptions and methods have been selected and approved by the Board of Trustees based in part on the advice of the plan's enrolled actuary in accordance with the authority granted to the Board under the pension ordinances and State law.

1. Actuarial Cost Method

Individual entry age normal cost method (nominally)

2. Amortization Method

The unfunded actuarial accrued liability is amortized as a level dollar amount over a closed period of 10 years from October 1, 2025.

3. Asset Method

The actuarial value of assets is equal to the market value of assets.

4. Interest (or Discount) Rate

7.00% per annum

5. Decrements

- Post-retirement healthy mortality: Sex-distinct rates set forth in the PUB-2010 Headcount-Weighted Healthy Retiree Mortality Table for general employees, with full generational improvements in mortality using Scale MP-2021 and with male ages set back one year
- Post-retirement disabled mortality: Sex-distinct rates set forth in the PUB-2010 Headcount-Weighted Disabled Retiree Mortality Table for general employees, with full generational improvements in mortality using Scale MP-2021 and with both male and female ages set forward four years

6. Expenses

Administrative expenses are assumed to be \$17,500 per year. In addition, the interest rate set forth in item 4. above is assumed to be net of investment expenses and commissions.



Changes in Actuarial Methods and Assumptions

Table IV-B

Since the completion of the previous valuation, the method of determining the actuarial value of assets was changed from the market value adjusted to reflect a five-year phase-in of the unexpected investment gains and losses that occur after September 30, 2021 to the unadjusted market value. In addition, the mortality tables were updated to reflect the tables used by the FRS as required under State law.

The following additional assumption and method changes were made during the past 10 years:

- (1) Effective October 1, 2023, the method of determining the actuarial value of assets was changed from the unadjusted market value to the market value adjusted to reflect a five-year phase-in of the unexpected investment gains and losses that occur after September 30, 2021.*
- (2) Effective October 1, 2020, the mortality basis was changed from the RP-2000 Combined Mortality Table with generational improvements in mortality using Scale BB to selected PUB-2010 Mortality Tables with generational improvements in mortality using Scale MP-2018.*
- (3) Effective October 1, 2018, the assumed administrative expenses were increased from \$7,500 per year to \$17,500 per year.*
- (4) Effective October 1, 2016, the mortality basis was changed from a 2015 projection of the RP-2000 Mortality Table for annuitants to a full generational projection using Scale BB of the RP-2000 Combined Mortality Table as required by State law.*

