

# Retirement Plan for the Employees of the Town of Davie

Actuarial Valuation  
As of October 1, 2024

Determines the Contribution  
For the 2025/26 Fiscal Year



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December 12, 2024

## Introduction

This report presents the results of the October 1, 2024 actuarial valuation for the Retirement Plan for the Employees of the Town of Davie. 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, 2024 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 contribution 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 rate is 13.53% of covered payroll, which represents an increase of 0.83% of payroll from the prior valuation.

The normal cost rate as of October 1, 2024 is 14.11%, as compared to a rate of 13.22% determined in the prior valuation. Table I-C provides a breakdown of the sources of change in the normal cost rate. Significantly, the rate decreased by 0.14% of payroll due to investment gains, decreased by another 0.09% of payroll due to demographic experience, and increased by 1.12% of payroll due to the assumption change that is described below. Although the market value of assets earned 20.23% during the 2023/24 plan year, the actuarial value of assets is based on a five-year phase-in of the unexpected investment gains and losses. On this basis, the actuarial value of assets earned 7.27% during the 2023/24 plan year, whereas a 7.00% annual investment return was required to maintain a stable contribution rate.





Chapter 112, Florida Statutes, sets forth the rules concerning the minimum required contribution for public pension plans within the state. Essentially, the Town must contribute an amount equal to the annual normal cost of the plan, 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 Town's 2025/26 minimum required contribution will be equal to 13.53% multiplied by the total pensionable earnings for the 2025/26 fiscal year for the active employees who are covered by the plan.

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 \$148,970,664. As illustrated in Table I-A, current assets are sufficient to cover \$114,908,149 of this amount, the employer's 2024/25 expected contribution will cover \$3,194,150 of this amount, the employer's 2025/26 expected contribution will cover \$3,572,700 of this amount, and future employee contributions will cover \$5,767,419 of this amount, leaving \$21,528,246 to be covered by future employer funding beyond the 2025/26 fiscal year. Again, demographic and investment experience that differs from that assumed will either increase or decrease the future employer funding requirement.

### Assumption Change

Effective October 1, 2024, the assumed interest (or discount) rate was decreased from 7.00% per annum to 6.90% per annum. This change increased the normal cost rate by 1.12% of payroll.

### Plan Amendment

Since the completion of the previous valuation, the plan was amended to allow certain employees who are promoted from a general employee position to a management position to commence receipt of their general employee pension at the same time that they commence receipt of their management pension and provides for an actuarially equivalent reduction in the general employee pension to account for the earlier payment of the benefit. This plan change did not increase the actuarial cost of the plan.

### Employer Contribution Shortfall

For the 2023/24 plan year, the minimum required contribution was \$2,847,238 plus the employer contribution receivable as of October 1, 2023, which was equal to \$45,354. When the actual Town contribution of \$2,849,100 is subtracted from these amounts, there is an additional \$43,492 employer contribution receivable as of September 30, 2024. Therefore, the first \$43,492 of employer contributions made for the 2024/25 plan year will be applied to the 2023/24 plan year.

### 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.

Finally, an actuarial funding method has been used to allocate the gap between projected liabilities and assets to each year in the future. The contribution rate under some funding methods is higher during the early years of the plan and then is lower during the later years of the plan. Other funding methods provide for lower contribution rates initially, with increasing contribution rates over time.





The Trustees have adopted the aggregate funding method for this plan, which is expected to result in a contribution rate that is level as a percentage of payroll over the working life of the plan's active participants. A brief description of the actuarial funding method is provided in Table IV-A.

#### Contents of the Report

Tables I-D through I-G 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, including a development of the actuarial value of assets which is based on a five-year smoothing of the investment gains and losses. 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 through V-B provide a summary of the actuarial assumptions and methods that are used to value the plan's benefits and of the relevant plan provisions as of October 1, 2024, 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*

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

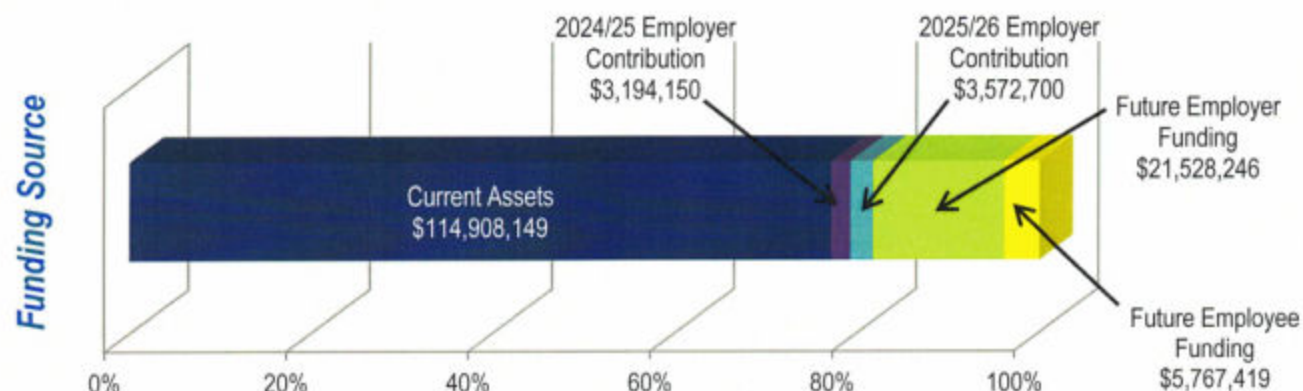
Enrolled Actuary No. 23-04927

*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

Present Value of Future Benefits	\$147,861,701
Present Value of Future Administrative Expenses	\$1,108,963
Actuarial Value of Assets	(\$114,908,149)
Present Value of Future Employee Contributions	(\$5,767,419)
Present Value of Future Normal Costs	\$28,295,096
Present Value of Future Payroll	÷ \$200,561,060
Normal Cost Rate	= 14.108%
Expected Payroll	x \$25,150,790
Normal Cost	\$3,548,266
Interest Adjustment Assuming a Beginning-of-Year Employer Contribution	\$0
Expected Employer Contribution for the 2024/25 Plan Year	(\$3,194,150)
Remaining Contribution Due/(Credit) for the 2024/25 Plan Year	\$354,116
	x 0.069
One Year's Interest Charge/(Credit) on the Remaining Contribution	\$24,434
Preliminary Employer Contribution for the 2025/26 Plan Year	\$3,572,700
Expected Payroll for the 2025/26 Plan Year	÷ \$26,408,330

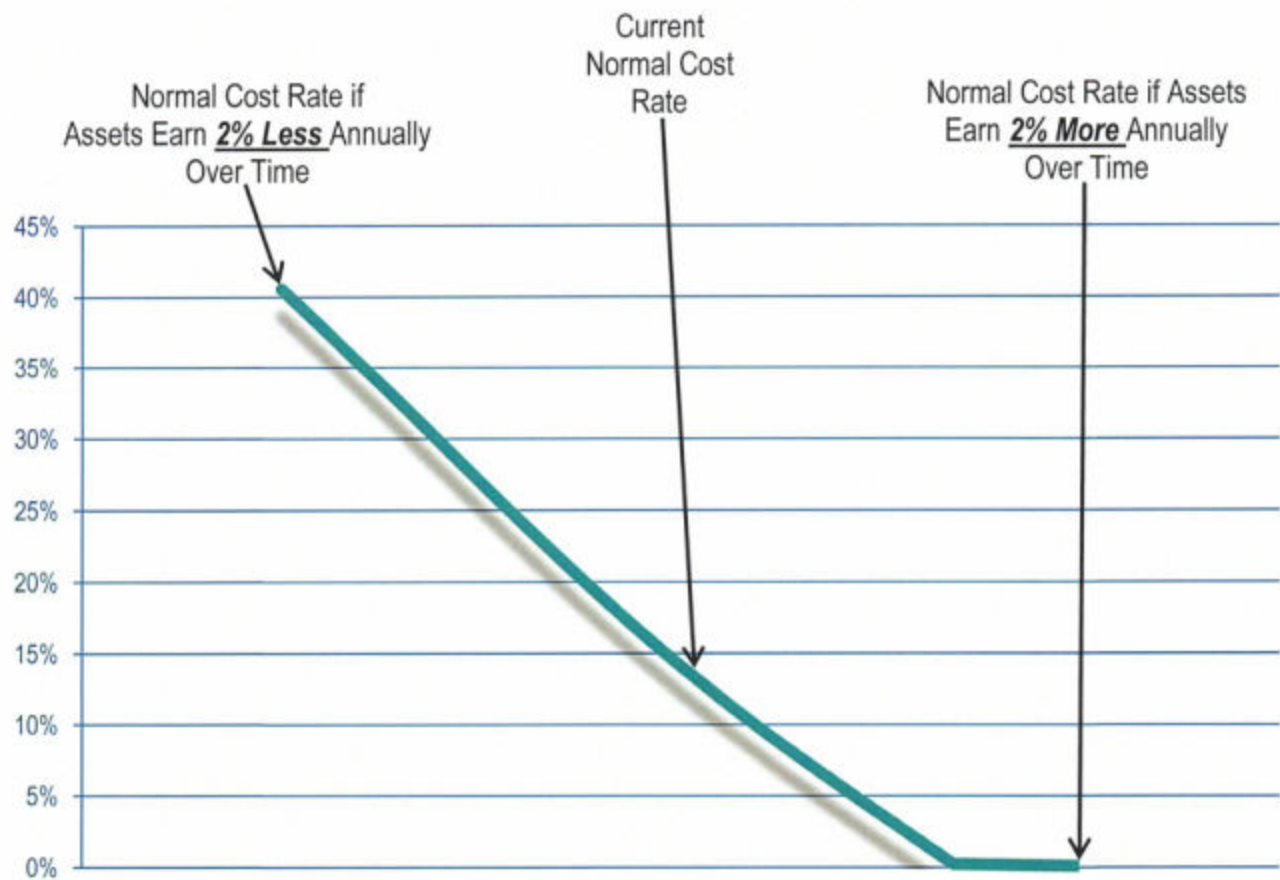
**Minimum Required Contribution Rate** 13.53%

(The actual contribution should be based on the minimum required contribution rate multiplied by the actual payroll for the year.)



## Sensitivity Analysis

Table I-B



*The line above illustrates the sensitivity of the normal cost rate to changes in the long-term investment return.*





## Gain and Loss Analysis

Table I-C

Previous normal cost rate	13.22%
Increase (decrease) due to investment gains and losses	-0.14%
Increase (decrease) due to demographic experience	-0.09%
Increase (decrease) due to plan amendments	0.00%
Increase (decrease) due to actuarial assumption changes	1.12%
Increase (decrease) due to actuarial method changes	0.00%
Current normal cost rate	<u>14.11%</u>



## Present Value of Future Benefits (PVB)

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	\$81,598,302	\$81,598,302	\$83,292,896
Termination benefits	\$2,127,258	\$2,127,258	\$2,198,143
Disability benefits	\$2,082,077	\$2,082,077	\$2,122,964
Death benefits	\$1,628,522	\$1,628,522	\$1,667,129
Refund of employee contributions	\$542,087	\$542,087	\$543,705
Sub-total	<b>\$87,978,246</b>	<b>\$87,978,246</b>	<b>\$89,824,837</b>
<u>Deferred Vested Participants</u>			
Retirement benefits	\$5,740,240	\$5,740,240	\$5,843,947
Termination benefits	\$0	\$0	\$0
Disability benefits	\$0	\$0	\$0
Death benefits	\$0	\$0	\$0
Refund of employee contributions	\$0	\$0	\$0
Sub-total	<b>\$5,740,240</b>	<b>\$5,740,240</b>	<b>\$5,843,947</b>
<u>Due a Refund of Contributions</u>	<b>\$227,483</b>	<b>\$227,483</b>	<b>\$227,483</b>
<u>Deferred Beneficiaries</u>	<b>\$484,665</b>	<b>\$484,665</b>	<b>\$491,089</b>
<u>Retired Participants</u>			
Service retirements	\$41,993,543	\$41,993,543	\$42,387,918
Disability retirements	\$611,565	\$611,565	\$619,684
Beneficiaries receiving	\$3,873,789	\$3,873,789	\$3,919,003
DROP participants	\$4,500,620	\$4,500,620	\$4,547,740
Sub-total	<b>\$50,979,517</b>	<b>\$50,979,517</b>	<b>\$51,474,345</b>
<u>Grand Total</u>	<b><u>\$145,410,151</u></b>	<b><u>\$145,410,151</u></b>	<b><u>\$147,861,701</u></b>
Present Value of Future Payroll	\$199,194,121	\$199,194,121	\$200,561,060
Present Value of Future Employee Contribs.	\$5,727,445	\$5,727,445	\$5,767,419
Present Value of Future Employer Contribs.	\$25,865,133	\$25,865,133	\$28,295,096



## Present Value of Accrued Benefits (PVAB)

Table I-E

	Old Assumptions w/o Amendment	Old Assumptions w/ Amendment	New Assumptions w/ Amendment
<u>Actively Employed Participants</u>			
Retirement benefits	\$35,931,669	\$35,931,669	\$36,503,209
Termination benefits	\$1,018,813	\$1,018,813	\$1,048,857
Disability benefits	\$922,521	\$922,521	\$937,423
Death benefits	\$653,557	\$653,557	\$665,462
Refund of employee contributions	\$258,583	\$258,583	\$259,146
Sub-total	<b>\$38,785,143</b>	<b>\$38,785,143</b>	<b>\$39,414,097</b>
<u>Deferred Vested Participants</u>			
Retirement benefits	\$5,740,240	\$5,740,240	\$5,843,947
Termination benefits	\$0	\$0	\$0
Disability benefits	\$0	\$0	\$0
Death benefits	\$0	\$0	\$0
Refund of employee contributions	\$0	\$0	\$0
Sub-total	<b>\$5,740,240</b>	<b>\$5,740,240</b>	<b>\$5,843,947</b>
<u>Due a Refund of Contributions</u>	<b>\$227,483</b>	<b>\$227,483</b>	<b>\$227,483</b>
<u>Deferred Beneficiaries</u>	<b>\$484,665</b>	<b>\$484,665</b>	<b>\$491,089</b>
<u>Retired Participants</u>			
Service retirements	\$41,993,543	\$41,993,543	\$42,387,918
Disability retirements	\$611,565	\$611,565	\$619,684
Beneficiaries receiving	\$3,873,789	\$3,873,789	\$3,919,003
DROP participants	\$4,500,620	\$4,500,620	\$4,547,740
Sub-total	<b>\$50,979,517</b>	<b>\$50,979,517</b>	<b>\$51,474,345</b>
<u>Grand Total</u>	<b><u>\$96,217,048</u></b>	<b><u>\$96,217,048</u></b>	<b><u>\$97,450,961</u></b>
<u>Funded Percentage</u>	124.77%	124.77%	123.19%

(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 (PVVB)

Table I-F

	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	\$35,931,669	\$35,931,669	\$36,503,209
Termination benefits	\$754,848	\$754,848	\$775,183
Disability benefits	\$922,521	\$922,521	\$937,423
Death benefits	\$485,705	\$485,705	\$493,719
Refund of employee contributions	\$554,012	\$554,012	\$556,757
Sub-total	<b>\$38,648,755</b>	<b>\$38,648,755</b>	<b>\$39,266,291</b>
<u>Deferred Vested Participants</u>			
Retirement benefits	\$5,740,240	\$5,740,240	\$5,843,947
Termination benefits	\$0	\$0	\$0
Disability benefits	\$0	\$0	\$0
Death benefits	\$0	\$0	\$0
Refund of employee contributions	\$0	\$0	\$0
Sub-total	<b>\$5,740,240</b>	<b>\$5,740,240</b>	<b>\$5,843,947</b>
<u>Due a Refund of Contributions</u>	<b>\$227,483</b>	<b>\$227,483</b>	<b>\$227,483</b>
<u>Deferred Beneficiaries</u>	<b>\$484,665</b>	<b>\$484,665</b>	<b>\$491,089</b>
<u>Retired Participants</u>			
Service retirements	\$41,993,543	\$41,993,543	\$42,387,918
Disability retirements	\$611,565	\$611,565	\$619,684
Beneficiaries receiving	\$3,873,789	\$3,873,789	\$3,919,003
DROP participants	\$4,500,620	\$4,500,620	\$4,547,740
Sub-total	<b>\$50,979,517</b>	<b>\$50,979,517</b>	<b>\$51,474,345</b>
<u>Grand Total</u>	<b><u>\$96,080,660</u></b>	<b><u>\$96,080,660</u></b>	<b><u>\$97,303,155</u></b>



## 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	\$52,463,846	\$52,463,846	\$53,272,005
Termination benefits	\$1,408,150	\$1,408,150	\$1,448,939
Disability benefits	\$1,321,483	\$1,321,483	\$1,341,731
Death benefits	\$951,045	\$951,045	\$967,956
Refund of employee contributions	\$219,803	\$219,803	\$220,628
Sub-total	<b>\$56,364,327</b>	<b>\$56,364,327</b>	<b>\$57,251,259</b>
<u>Deferred Vested Participants</u>			
Retirement benefits	\$5,740,240	\$5,740,240	\$5,843,947
Termination benefits	\$0	\$0	\$0
Disability benefits	\$0	\$0	\$0
Death benefits	\$0	\$0	\$0
Refund of employee contributions	\$0	\$0	\$0
Sub-total	<b>\$5,740,240</b>	<b>\$5,740,240</b>	<b>\$5,843,947</b>
<u>Due a Refund of Contributions</u>	<b>\$227,483</b>	<b>\$227,483</b>	<b>\$227,483</b>
<u>Deferred Beneficiaries</u>	<b>\$484,665</b>	<b>\$484,665</b>	<b>\$491,089</b>
<u>Retired Participants</u>			
Service retirements	\$41,993,543	\$41,993,543	\$42,387,918
Disability retirements	\$611,565	\$611,565	\$619,684
Beneficiaries receiving	\$3,873,789	\$3,873,789	\$3,919,003
DROP participants	\$4,500,620	\$4,500,620	\$4,547,740
Sub-total	<b>\$50,979,517</b>	<b>\$50,979,517</b>	<b>\$51,474,345</b>
<u>Grand Total</u>	<b><u>\$113,796,232</u></b>	<b><u>\$113,796,232</u></b>	<b><u>\$115,288,123</u></b>



## Actuarial Value of Assets

Table II-A

<u>Unexpected Investment Gain (Loss)</u>		<u>Unrecognized Gain (Loss)</u>	
For the 2020/21 plan year	\$11,382,574	x 20%	\$2,276,515
For the 2021/22 plan year	(\$21,777,748)	x 40%	(\$8,711,099)
For the 2022/23 plan year	\$1,596,873	x 60%	\$958,124
For the 2023/24 plan year	\$13,277,628	x 80%	\$10,622,102
			<u>\$5,145,642</u>

Market Value of Assets as of October 1, 2024 \$120,636,516

Minus DROP account balances (\$582,725)

Minus advance employer contributions \$0

Adjustment for unrecognized gain or loss as shown above,  
but restricted to an amount that keeps the actuarial value  
of assets within an 80%-120% corridor of the market value (\$5,145,642)

**Actuarial Value of Assets as of October 1, 2024 \$114,908,149**

<u>Historical Actuarial Value of Assets</u>	
October 1, 2015	\$43,802,617
October 1, 2016	\$49,150,405
October 1, 2017	\$55,087,022
October 1, 2018	\$62,274,992
October 1, 2019	\$69,060,694
October 1, 2020	\$87,246,093
October 1, 2021	\$97,351,256
October 1, 2022	\$103,116,201
October 1, 2023	\$107,124,259
October 1, 2024	\$114,908,149



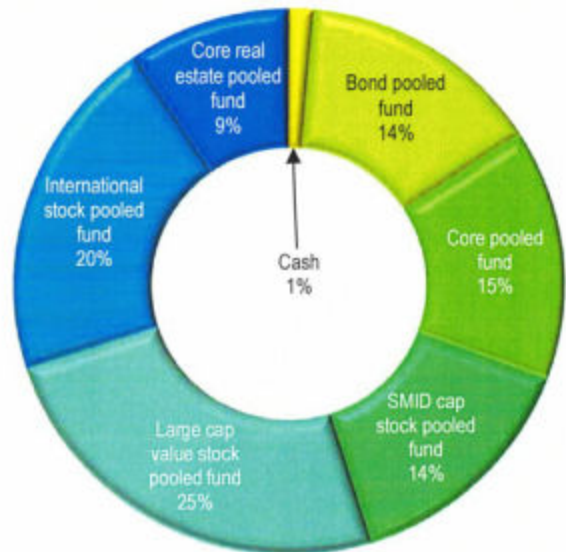


## Market Value of Assets

Table II-B

As of October 1, 2024

<b>Market Value of Assets</b>	<b><u>\$120,636,516</u></b>
Cash	\$1,686,692
Bond pooled fund	\$17,348,835
Core pooled fund	\$17,951,226
SMID cap stock pooled fund	\$17,469,314
Large cap value stock pooled fund	\$29,999,028
International stock pooled fund	\$24,697,995
Core real estate pooled fund	\$11,324,934
Employer contribution receivable	\$158,492

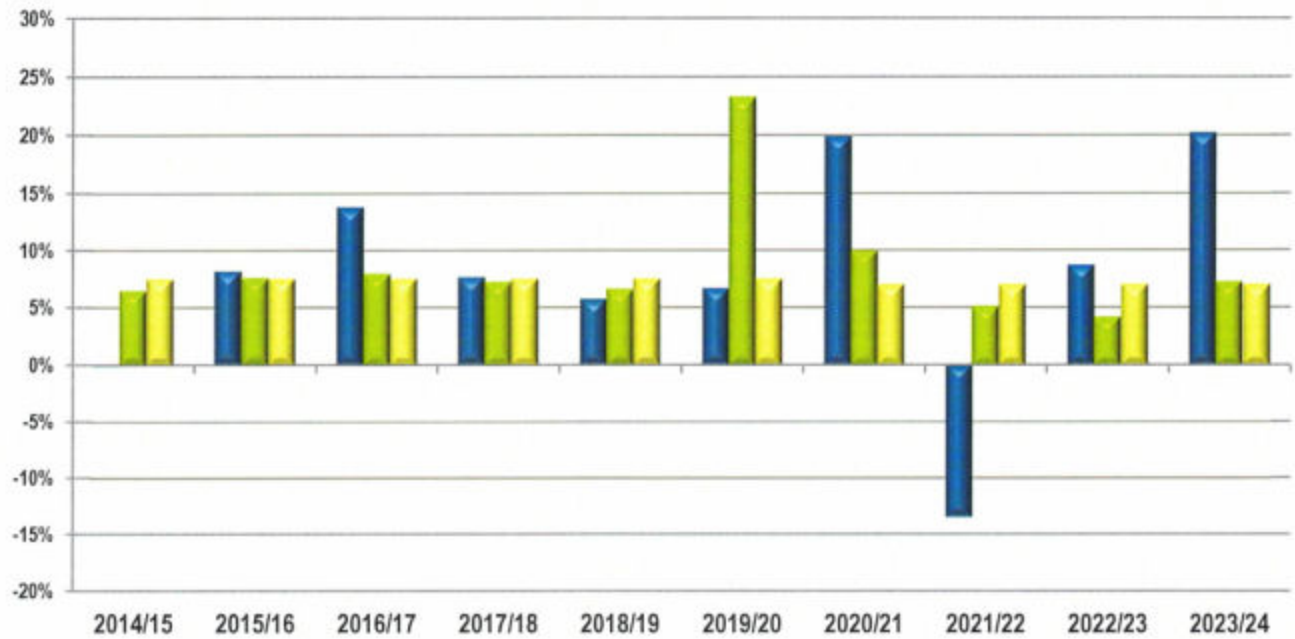
Historical Market Value of Assets

October 1, 2015	\$49,091,985
October 1, 2016	\$55,049,778
October 1, 2017	\$64,680,370
October 1, 2018	\$72,691,870
October 1, 2019	\$79,635,741
October 1, 2020	\$87,192,130
October 1, 2021	\$106,267,900
October 1, 2022	\$92,623,890
October 1, 2023	\$100,321,773
October 1, 2024	\$120,636,516



## Investment Return

Table II-C

*Annual Investment Returns*

■ Market Value Return  
 ■ Actuarial Value Return  
 ■ Assumed Return

Plan Year	Market Value Return	Actuarial Value Return	Assumed Return
2014/15	-0.06%	6.49%	7.50%
2015/16	8.20%	7.60%	7.50%
2016/17	13.84%	7.97%	7.50%
2017/18	7.66%	7.28%	7.50%
2018/19	5.75%	6.65%	7.50%
2019/20	6.70%	23.30%	7.50%
2020/21	19.94%	9.98%	7.00%
2021/22	-13.43%	5.13%	7.00%
2022/23	8.73%	4.20%	7.00%
2023/24	20.23%	7.27%	7.00%
10yr. Avg.	7.34%	8.47%	7.30%



## Asset Reconciliation

## Table II-D

	<u>Market Value</u>	<u>Actuarial Value</u>
As of October 1, 2023	\$100,321,773	\$107,124,259
<i>Increases Due To:</i>		
Employer Contributions	\$2,847,238	\$2,847,238
Employee Contributions	\$695,538	\$695,538
Service Purchase Contributions	\$0	\$0
Total Contributions	<u>\$3,542,776</u>	<u>\$3,542,776</u>
Interest and Dividends	\$0	
Realized Gains (Losses)	\$0	
Unrealized Gains (Losses)	<u>\$20,300,637</u>	
Total Investment Income	\$20,300,637	\$7,789,704
Other Income	\$0	
Total Income	<u>\$23,843,413</u>	<u>\$11,332,480</u>
<i>Decreases Due To:</i>		
Monthly Benefit Payments	(\$3,080,072)	(\$3,080,072)
Refund of Employee Contributions	(\$360,288)	(\$360,288)
DROP Credits		(\$19,920)
Total Benefit Payments	<u>(\$3,440,360)</u>	<u>(\$3,460,280)</u>
Investment Expenses	\$0	
Administrative Expenses	(\$88,310)	(\$88,310)
Advance Employer Contribution		\$0
Total Expenses	<u>(\$3,528,670)</u>	<u>(\$3,548,590)</u>
As of October 1, 2024	<u><u>\$120,636,516</u></u>	<u><u>\$114,908,149</u></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>	
2014/15	\$2,872,570	\$363,834	\$0	\$0	\$0	-\$31,288	\$0
2015/16	\$2,936,336	\$417,945	\$0	\$0	\$0	\$4,102,297	\$0
2016/17	\$3,109,997	\$446,412	\$0	\$0	\$0	\$7,747,395	\$0
2017/18	\$4,502,326	\$481,568	\$0	\$0	\$0	\$5,065,294	\$0
2018/19	\$3,944,403	\$495,591	\$313,056	\$0	\$0	\$4,259,241	\$0
2019/20	\$3,790,389	\$544,347	\$0	\$0	\$0	\$5,406,010	\$0
2020/21	\$3,616,169	\$566,736	\$0	\$0	\$0	\$17,538,904	\$0
2021/22	\$3,235,921	\$608,761	\$0	\$0	\$0	-\$14,315,877	\$0
2022/23	\$2,298,961	\$645,777	\$0	\$0	\$0	\$8,067,817	\$0
2023/24	\$2,847,238	\$695,538	\$0	\$0	\$0	\$20,300,637	\$0

Expenses

Plan	Monthly	Contrib.	Admin.	Invest.	<u>Other Actuarial Adjustments</u>	
<u>Year</u>	<u>Benefit</u>				DROP	Advance
	<u>Payments</u>	<u>Refunds</u>	<u>Expenses</u>	<u>Expenses</u>	<u>Credits</u>	<u>Employer</u>
2014/15	\$1,228,602	\$1,682	\$112,832	\$0	\$28,534	-\$189,566
2015/16	\$1,391,516	\$8,934	\$98,335	\$0	\$65,827	-\$155,031
2016/17	\$1,570,371	\$8,108	\$94,733	\$0	\$84,622	-\$143,165
2017/18	\$1,926,988	\$19,192	\$91,508	\$0	-\$120,935	\$0
2018/19	\$1,913,701	\$62,382	\$92,337	\$0	\$127,516	\$0
2019/20	\$2,050,599	\$40,623	\$93,135	\$0	\$276,384	\$0
2020/21	\$2,337,490	\$207,338	\$101,211	\$0	\$208,096	\$0
2021/22	\$2,984,017	\$101,873	\$86,925	\$0	-\$76,556	\$0
2022/23	\$3,152,132	\$76,835	\$85,705	\$0	-\$54,180	\$0
2023/24	\$3,080,072	\$360,288	\$88,310	\$0	\$19,920	\$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	\$2,847,238
Immediate Application of Advance Employer Contribution	\$0
Minimum Required Contribution	(\$2,847,238)
Net Increase in Advance Employer Contribution	\$0
Advance Employer Contribution as of October 1, 2024	<u>\$0</u>

**DROP Account Reconciliation**

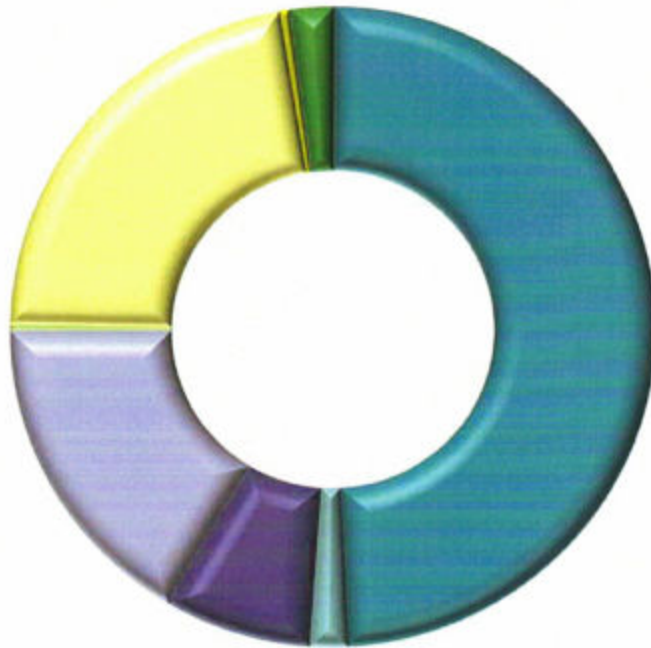
DROP Balance as of October 1, 2023	\$562,805
DROP Benefit Credits	\$245,249
DROP Investment Credits	\$33,309
DROP Benefits Paid Out	(\$258,638)
Net DROP Credit	\$19,920
DROP Balance as of October 1, 2024	<u>\$582,725</u>



## Summary of Participant Data

Table III-A

As of October 1, 2024

*Participant Distribution by Status*Actively Employed Participants

Active Participants	307
DROP Participants	12

Inactive Participants

Deferred Vested Participants	46
Due a Refund of Contributions	103
Deferred Beneficiaries	2

Participants Receiving a Benefit

Service Retirements	137
Disability Retirements	3
Beneficiaries Receiving	14

**Total Participants 624**Number of Participants Included in Prior Valuations

	<i>Active</i>	<i>DROP</i>	<i>Inactive</i>	<i>Retired</i>	<i>Total</i>
October 1, 2015	244	2	50	72	368
October 1, 2016	251	4	67	82	404
October 1, 2017	267	3	79	97	446
October 1, 2018	273	3	94	103	473
October 1, 2019	276	6	95	109	486
October 1, 2020	283	12	97	115	507
October 1, 2021	297	10	107	127	541
October 1, 2022	293	11	123	136	563
October 1, 2023	308	9	139	144	600
October 1, 2024	307	12	151	154	624





## 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>	308	9	50	87	2	127	3	14	600
<u>Change in Status</u>									
Re-employed									
Terminated	(39)		3	36					
Retired	(1)	(2)	(7)			10			
<u>Participation Ended</u>									
Transferred Out	(5)	5							
Cashed Out				(19)					(19)
Died									
<u>Participation Began</u>									
Newly Hired	44								44
Transferred In									
New Beneficiary									
Other Adjustment				(1)					(1)
<u>October 1, 2024</u>	307	12	46	103	2	137	3	14	624

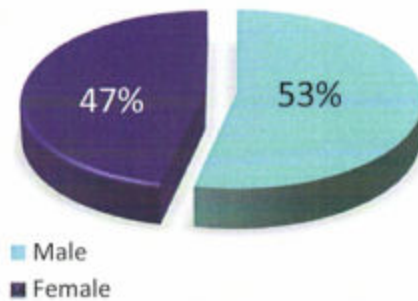


## Active Participant Data

## Table III-C

As of October 1, 2024

## Gender Mix



Average Age	45.8 years
Average Service	8.6 years
Total Annualized Compensation for the Prior Year	\$24,018,493
Total Expected Compensation for the Current Year	\$25,150,790
Average Increase in Compensation for the Prior Year	6.25%
Expected Increase in Compensation for the Current Year	5.00%
Accumulated Contributions for Active Employees	\$4,760,998



Actual vs. Expected Salary Increases

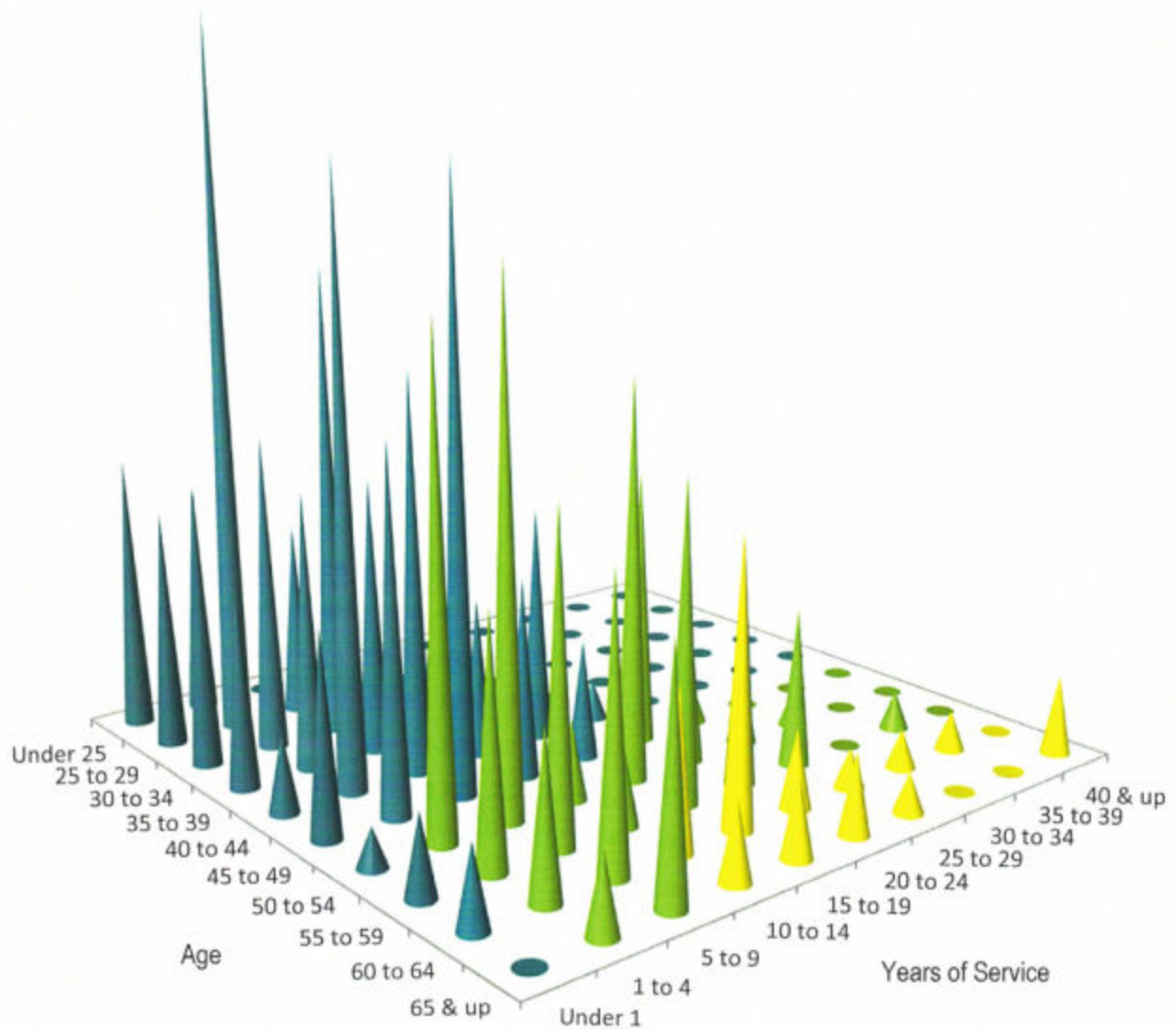
## Active Participant Statistics From Prior Valuations




	Average Age	Average Service	Average Salary	Average Expected Salary Increase	Average Actual Salary Increase
October 1, 2015	48.1	9.9	\$58,486	4.00%	5.36%
October 1, 2016	48.2	9.7	\$63,019	4.00%	9.57%
October 1, 2017	47.3	9.2	\$63,134	5.00%	3.63%
October 1, 2018	46.8	9.0	\$63,868	5.00%	7.03%
October 1, 2019	46.9	9.1	\$65,274	5.00%	4.07%
October 1, 2020	46.2	8.7	\$67,655	5.00%	7.95%
October 1, 2021	45.7	8.5	\$70,563	5.00%	5.88%
October 1, 2022	46.1	8.7	\$73,663	5.00%	7.59%
October 1, 2023	45.9	8.5	\$75,124	5.00%	6.73%
October 1, 2024	45.8	8.6	\$78,236	5.00%	6.25%



## Active Age-Service Distribution

Table III-D



-  Eligible to retire
-  May be eligible to retire
-  Not eligible to retire





Active Age-Service-Salary Table

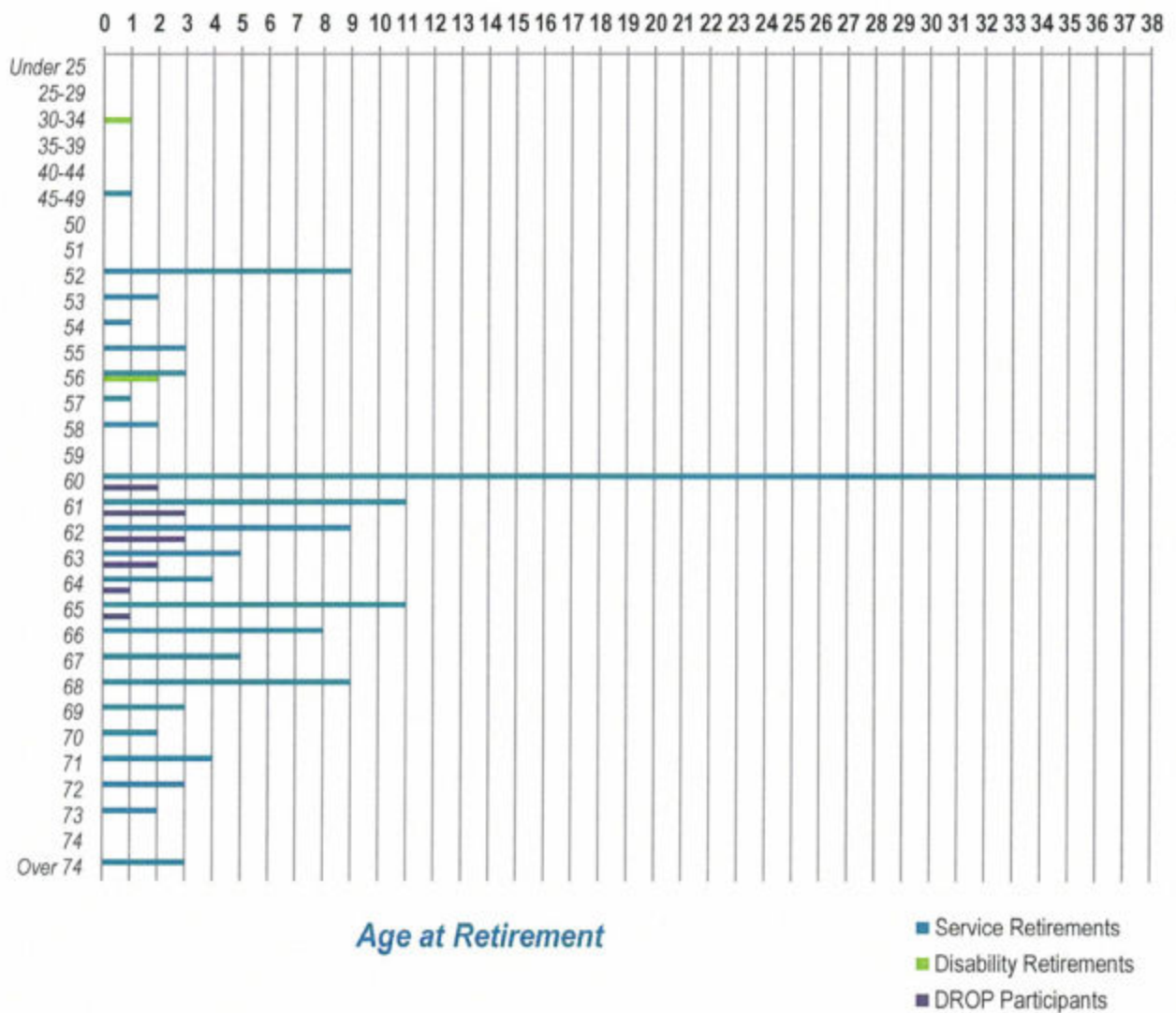
Table III-E

Attained Age	Completed Years of Service										Total
	Under 1	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 & up	
Under 25	7	6	0	0	0	0	0	0	0	0	13
Avg.Pay	37,279	43,555	0	0	0	0	0	0	0	0	40,176
25 to 29	6	18	5	0	0	0	0	0	0	0	29
Avg.Pay	48,469	49,825	54,713	0	0	0	0	0	0	0	50,387
30 to 34	7	8	12	2	1	0	0	0	0	0	30
Avg.Pay	45,773	54,672	65,887	90,166	75,179	0	0	0	0	0	60,131
35 to 39	5	7	7	4	1	0	0	0	0	0	24
Avg.Pay	46,052	58,362	94,740	81,289	80,474	0	0	0	0	0	71,150
40 to 44	2	15	10	4	6	1	0	0	0	0	38
Avg.Pay	50,009	62,027	95,523	85,134	80,329	63,429	0	0	0	0	75,568
45 to 49	5	9	15	5	3	7	1	0	0	0	45
Avg.Pay	60,822	69,539	90,258	127,524	92,356	117,901	77,159	0	0	0	91,133
50 to 54	1	12	13	2	10	4	2	1	0	0	45
Avg.Pay	54,526	60,568	77,786	86,223	108,532	133,823	81,567	82,149	0	0	85,131
55 to 59	2	6	8	2	8	6	4	0	1	0	37
Avg.Pay	40,135	86,386	110,998	61,242	81,942	75,643	122,580	0	120,455	0	89,979
60 to 64	2	4	7	4	7	2	1	1	1	0	29
Avg.Pay	60,214	60,900	95,650	82,644	94,081	73,397	63,005	92,521	93,842	0	83,410
65 & up	0	2	6	2	2	2	1	0	0	2	17
Avg.Pay	0	118,933	94,862	205,103	75,661	111,573	145,124	0	0	117,512	115,992
Total	37	87	83	25	38	22	9	2	2	2	307
Avg.Pay	47,616	60,770	86,439	100,774	91,196	102,174	104,305	87,335	107,149	117,512	78,236



## Inactive Participant Data

Table III-F

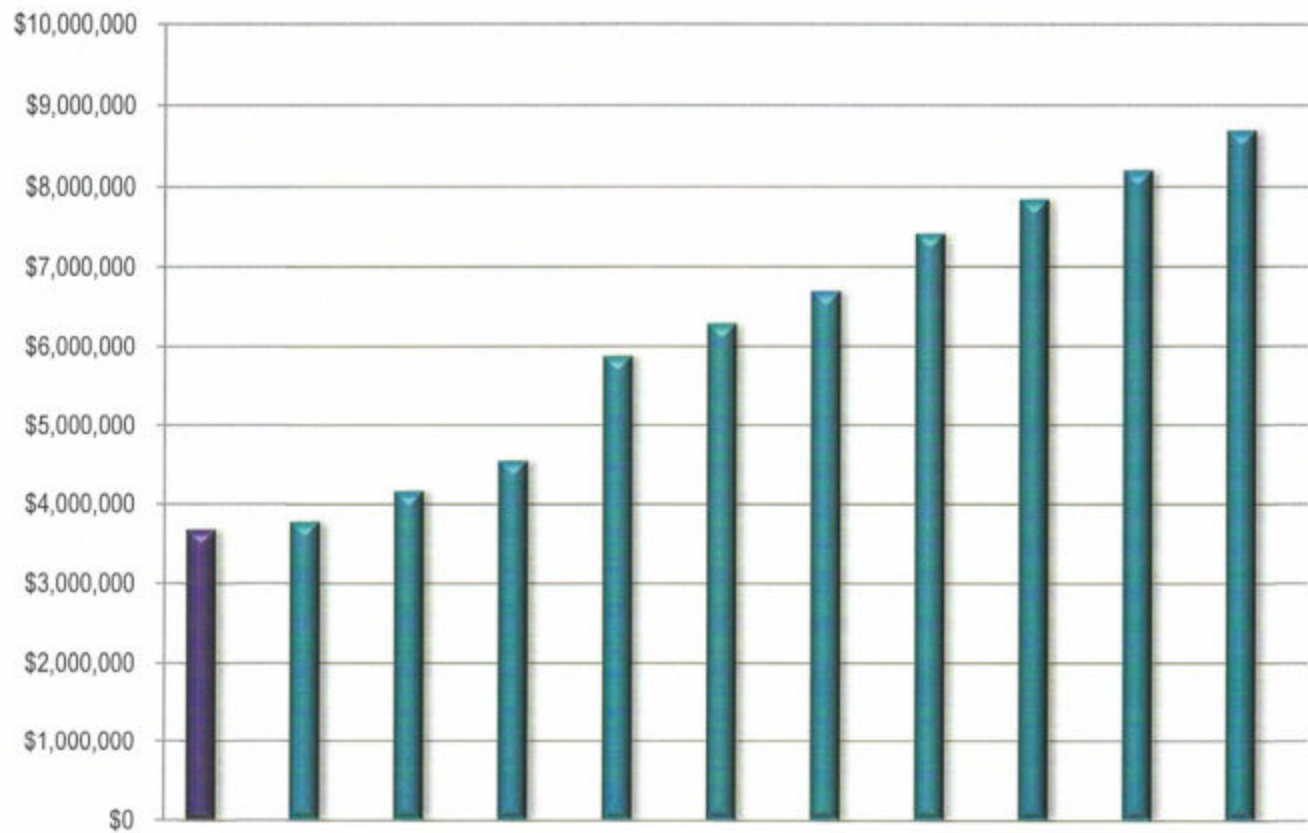
Average Monthly Benefit

Service Retirements	\$1,762.65
Disability Retirements	\$950.28
Beneficiaries Receiving	\$1,487.61
DROP Participants	\$2,054.42
Deferred Vested Participants	\$1,210.94
Deferred Beneficiaries	\$2,620.46



## Projected Benefit Payments

Table III-G

Actual

For the period October 1, 2023 through September 30, 2024

\$3,685,609

Projected

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

\$3,776,321

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

\$4,161,951

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

\$4,550,547

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

\$5,877,726

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

\$6,288,858

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

\$6,694,196

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

\$7,415,583

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

\$7,841,710

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

\$8,201,571

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

\$8,694,492





## 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**

Aggregate cost method. Under this actuarial cost method, a funding cost is developed for the plan as a level percentage of payroll. The level funding percentage is calculated as the excess of the total future benefit liability over accumulated assets and future employee contributions, with this excess spread over the expected future payroll for current active participants. The normal cost is equal to the level funding percentage multiplied by the expected payroll for the year immediately following the valuation date. The actuarial accrued liability is equal to the accumulated assets. Therefore, under the aggregate cost method, no unfunded accrued liability is developed.

2. **Asset Method**

The actuarial value of assets is equal to the market value of assets, adjusted to reflect a five-year phase-in of the unexpected investment gains and losses.

3. **Interest (or Discount) Rate**

6.90% per annum

4. **Salary Increases**

Plan compensation is generally assumed to increase at the rate of 5.00% per annum, unless actual plan compensation is known for a prior plan year.

Average final compensation is increased by 3.00% with respect to general employees who terminate their employment prior to October 1, 2028 and by 1.50% with respect to such employees who terminate their employment during the period October 1, 2028 through September 30, 2033.

Average final compensation is increased by 10.00% with respect to management employees who terminate their employment prior to October 1, 2026 and by 5.00% with respect to such employees who terminate their employment during the period October 1, 2026 through September 30, 2031.



## Summary of Actuarial Methods and Assumptions

## Table IV-A

(continued)

5. Decrements

- Pre-retirement mortality: Sex-distinct rates set forth in the PUB-2010 Headcount-Weighted Below Median Employee Mortality Table for general employees, with full generational improvements in mortality using Scale MP-2018 and with male ages set back one year
- Post-retirement mortality: Sex-distinct rates set forth in the PUB-2010 Headcount-Weighted Below Median Healthy Retiree Mortality Table for general employees, with full generational improvements in mortality using Scale MP-2018 and with male ages set back one year
- Disability: Age- and gender-based rates of disability were assumed, ranging from 0.067% for males and 0.040% for females at age 25, 0.119% for males and 0.118% for females at age 35, 0.462% for males and 0.435% for females at age 45, and 1.000% for males and 0.840% for females at age 55.
- Termination: The rate of withdrawal for a participant with less than two years of service was assumed to be 18.00% per year. The rate of withdrawal for a participant with at least two years of service, but less than four years of service, was assumed to be 14.00% per year. The rate of withdrawal for a participant with at least four years of service, but less than six years of service, was assumed to be 9.00% per year. With respect to participants with at least six years of service, the termination rates are gender-based, ranging from 14.50% for males and 17.10% for females at age 25 to 0.00% for both genders at age 55.
- Retirement: For those participants who have met the age and service requirements to retire with a normal retirement benefit prior to age 60, retirement is assumed to occur at the rate of 70% upon the attainment of normal retirement age, 10% per year at each of the next five years, and 100% six years after normal retirement age. For all other participants, retirement is assumed to occur at the rate of 70% upon the attainment of normal retirement age, 10% per year at each of the next two years, and 100% three years after normal retirement age.

No decrements are assumed during the first year immediately following the valuation date.



## Summary of Actuarial Methods and Assumptions

## Table IV-A

(continued)

**6. Form of Payment**

Future retirees have been assumed to select the single life annuity.

**7. Expenses**

The total projected benefit liability has been loaded by 0.75% to account for anticipated administrative expenses. In addition, the interest rate set forth in item 3. 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 assumed interest (or discount) rate was decreased from 7.00% per annum to 6.90% per annum.

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

- (1) 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.*
- (2) Effective October 1, 2020, the interest (or discount) rate was decreased from 7.50% per annum to 7.00% per annum.*
- (3) Effective October 1, 2020, the expense loading was reduced from 1.25% of the present value of future benefits to 0.75% of the present value of future benefits.*
- (4) Effective October 1, 2020, the actuarial value of assets was changed from the market value adjusted to reflect a five-year phase-in of the net investment gains and losses to the market value adjusted to reflect a five-year phase-in of the unexpected investment gains and losses.*
- (5) 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.*
- (6) Effective October 1, 2016, the assumed increase in future annual salaries was changed from 4.00% per year to 5.00% per year.*
- (7) Effective October 1, 2014, the mortality basis was changed from a 2007 projection of the RP-2000 Mortality Table to a 2015 projection.*



## Summary of Plan Provisions

## Table V-A

**1. Monthly Accrued Benefit**

Employees Hired On and After October 1, 2013:

*1.80% of Average Final Compensation multiplied by Credited Service*

General Employees Hired Prior to October 1, 2013:

*2.00% of Average Final Compensation multiplied by Credited Service*

Management Employees Hired Prior to October 1, 2013:

*3.00% of Average Final Compensation multiplied by Credited Service*

*(Note: The benefit payable from the qualified pension plan is limited to the allowable amount pursuant to Internal Revenue Code (IRC) section 415.)*

**2. Normal Retirement Age and Benefit**

- Age**

Employees Hired On and After October 1, 2013:

*Age 65 with at least 10 years of Vested Service; or*

*Age 60 with at least 30 years of Vested Service*

General Employees Hired Prior to October 1, 2013:

*Age 60 with at least six years of Vested Service; or*

*Age 56 with at least 30 years of Vested Service*

Management Employees Hired Prior to October 1, 2013:

*Age 52 with at least three years of Vested Service; or*

*Age 48 with at least 20 years of Vested Service*

- Amount**

Monthly Accrued Benefit

- Form of Payment**

Single life annuity (normal form of payment);

Actuarially reduced 10-year certain and life annuity (optional);

Actuarially reduced 50% joint and contingent annuity (optional);

Actuarially reduced 66<sup>2</sup>/<sub>3</sub>% joint and contingent annuity (optional);

Actuarially reduced 75% joint and contingent annuity (optional);

Actuarially reduced 100% joint and contingent annuity (optional);

Any other actuarially equivalent form of payment approved by the Board; or

Actuarially equivalent lump sum distribution (automatic if the single sum value of the participant's benefit is less than or equal to \$5,000 or the monthly annuity is less than \$100)

*(Note: A participant may change his joint annuitant up to two times after retirement.)*



## Summary of Plan Provisions

## Table V-A

(continued)

## 3. Disability Eligibility and Benefit

• **Eligibility**

Employees Hired On or After October 1, 2013:	<i>10 years of Vested Service</i>
General Employees Hired Prior to October 1, 2013:	<i>Six years of Vested Service</i>
Management Employees Hired Prior to October 1, 2013:	<i>Three years of Vested Service</i>

• **Condition**

The participant must become totally and permanently disabled as determined by the Board of Trustees.

• **Amount Payable**

Same as for Normal Retirement

## 4. Delayed Retirement Age and Benefit

• **Age**

After Normal Retirement Age

• **Amount**

Monthly Accrued Benefit

• **Form of Payment**

Same as for Normal Retirement

## 5. Deferred Vested Benefit

• **Age**

Employees Hired On and After October 1, 2013:	<i>Any age with at least 10 years of Vested Service</i>
General Employees Hired Prior to October 1, 2013:	<i>Any age with at least six years of Vested Service</i>
Management Employees Hired During the Period October 2, 2003 through September 30, 2013:	<i>Any age with at least three years of Vested Service</i>
Management Employees Hired Prior to October 2, 2003:	<i>Any age with no service requirement</i>

• **Amount**

Monthly Accrued Benefit (payable at Normal Retirement Age)

• **Form of Payment**

Same as for Normal Retirement





## Summary of Plan Provisions

## Table V-A

(continued)

**6. Pre-Retirement Death Benefit**

In the case of the death of a vested participant prior to retirement, his beneficiary will receive the participant's Monthly Accrued Benefit commencing at the participant's Normal Retirement Age or an actuarially equivalent benefit commencing prior to Normal Retirement Age. If the beneficiary is neither a spouse nor a dependent child, then the pre-retirement death benefit will also be adjusted actuarially to account for any difference between the ages of the participant and beneficiary.

**7. Average Final Compensation**

Employees Hired On and After October 1, 2013: *Average of the highest six years of Compensation*

General Employees Hired Prior to October 1, 2013: *Average of the highest five years of Compensation*

Management Employees Hired Prior to October 1, 2013: *Average of the highest three years of Compensation*

**8. Compensation**

Total cash remuneration for services rendered; with respect to bargaining employees, overtime in excess of 300 hours per year earned after September 30, 2012 and payments for unused sick and annual leave accrued after that date are excluded from compensation; with respect to non-bargaining employees, overtime in excess of 300 hours per year earned after June 30, 2011 and payments for unused sick and annual leave accrued after that date are excluded from compensation; annual compensation in excess of \$200,000 (as indexed) is excluded in accordance with Internal Revenue Code (IRC) §401(a)(17).

**9. Credited Service**

The elapsed time from the participant's date of hire until his date of termination, retirement, or death. In the case of employees who were hired prior to October 1, 2003, the participant must pay the full actuarial cost of his service earned prior to October 1, 2003 in order to receive a retirement benefit for such service. In addition, participants may purchase up to five years of service credit for previous full-time employment with the federal government, including military service, or with any state, county, or city government other than the Town of Davie, provided that no retirement benefit is provided for such service under another retirement plan.

**10. Vested Service**

The elapsed time from the participant's date of hire until his date of termination, retirement, or death.



## Summary of Plan Provisions

## Table V-A

(continued)

**11. Participation Requirement**

All full-time general and management employees of the Town of Davie, Florida automatically become a participant in the plan on their date of hire.

**12. Accumulated Contributions**

The Employee Contributions accumulated with interest at the rate of 6.00% per annum; if a non-vested participant terminates his employment, he receives his Accumulated Contributions in lieu of any other benefits payable from the plan; vested participants may optionally elect to receive their Accumulated Contributions in lieu of any other benefits payable from the plan.

**13. Participant Contribution**

3.00% of earnings with respect to participants hired on or after October 1, 2013; 1.00% of earnings with respect to all other participants for the period after the collective bargaining agreement ratification date up to the first payroll after October 1, 2013, increasing to 1.50% of earnings for the period through September 30, 2014, and increasing to 2.50% of earnings thereafter.

**14. Definition of Actuarially Equivalent**

- **Interest Rate**  
8.00% per annum
- **Mortality Table**  
1994 Group Annuity Reserving Table, projected to 2002 by Scale AA

**15. Automatic Cost-of-Living Adjustment (COLA)**

All benefits include an automatic 3% annual cost-of-living adjustment which is effective for payments made at least five years after initial retirement.

**16. Plan Effective Date**

October 1, 2003

**17. Deferred Retirement Option Plan (DROP)**

A participant who reaches his Normal Retirement Age is eligible to participate in the DROP for a period of up to 60 months. DROP accounts are credited with interest at the rate of 6.50% per annum.



## Summary of Plan Amendments

## Table V-B

Since the completion of the previous valuation, the plan was amended to allow certain employees who are promoted from a general employee position to a management position to commence receipt of their general employee pension at the same time that they commence receipt of their management pension and provides for an actuarially equivalent reduction in the general employee pension to account for the earlier payment of the benefit. This plan change did not increase the actuarial cost of the plan. (Ordinance 2024-019)

*The following additional plan amendments were adopted during the past 10 years and were reflected in prior valuation reports:*

- (1) During the 2020/21 fiscal year, certain employees who had previously chosen not to participate in the plan were allowed a one-time opportunity to opt into the plan. (Ordinance No. 2021-015)*
- (2) With respect to employees hired after September 30, 2013, average final compensation is based on a six-year average instead of a three- or five-year average. (Ordinance 2013-18)*
- (3) With respect to employees hired after September 30, 2013, normal retirement age is the earlier of age 65 with at least 10 years of service or age 60 with at least 30 years of service. (Ordinance 2013-18)*
- (4) With respect to employees hired after September 30, 2013, the benefit formula multiplier was reduced from 2.00% or 3.00% to 1.80%. (Ordinance 2013-18)*
- (5) With respect to employees hired after September 30, 2013, the vesting requirement, as well as the pre-retirement death benefit and disability requirements, is increased to 10 years of service. (Ordinance 2013-18)*
- (6) With respect to employees hired after September 30, 2013, a mandatory employee contribution was added to the plan equal to 3.00% of pensionable earnings. (Ordinance 2013-18)*

