

# Town of Windsor Retirement Plan

Actuarial Valuation as of July 1, 2024  
To Determine Funding for Fiscal Year 2025-26

Prepared by

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## Certification

As part of our engagement with the Town of Windsor ("Town"), we have performed an actuarial valuation of the Plan as of July 1, 2024. Our findings are set forth in this actuary's report. The main purposes of this valuation are to determine funding for fiscal year 2025-26, to review the Plan's experience since the prior valuation, and to assess the funded position of the Plan.

Actuarial computations presented in this report are for the purposes of determining the recommended funding amounts for the Plan. The calculations in this report have been made on a basis consistent with our understanding of the Plan's funding policy and on our understanding of the plan provisions as summarized in this report. Determinations for purposes other than meeting these requirements, such as for financial reporting in accordance with GASB standards, may be significantly different from the results contained in this report. Accordingly, additional determinations may be needed for other purposes.

We believe that the measures of funded status contained herein are appropriate for assessing the sufficiency of Plan assets to cover the estimated cost of settling the Plan's benefit obligations and for assessing the need for or the amount of future contributions. Note that a Plan's funded status is dependent on the selection of both the actuarial cost method and the asset smoothing method; different measurements would result if, for instance, the Market Value of Assets were used in place of the Actuarial Value of Assets.

Actuarial assumptions, including interest rates, mortality tables, and others identified in this report, and actuarial cost methods are adopted by the Town, who is responsible for selecting the Plan's funding policy, actuarial cost methods, asset valuation methods, and actuarial assumptions. The policies, methods, and assumptions used in this valuation are those that have been so adopted and are described in this report. The Town is solely responsible for communicating to Milliman any changes thereto. All costs, liabilities, rates of interest, and other factors for the Plan have been determined on the basis of actuarial assumptions and methods which, in our professional opinion, are individually reasonable (taking into account the experience of the Plan and reasonable expectations); and which, in combination, offer a reasonable estimate of anticipated future experience affecting the Plan and are expected to have no significant bias.

This valuation is only an estimate of the Plan's financial condition as of a single date. It can neither predict the Plan's future condition nor guarantee future financial soundness. Actuarial valuations do not affect the ultimate cost of Plan benefits, only the timing of Plan contributions. While the valuation is based on an array of individually reasonable assumptions, other assumption sets may also be reasonable and valuation results based on those assumptions would be different. No one set of assumptions is uniquely correct. Determining results using alternative assumptions is outside the scope of our engagement.

Future actuarial measurements may differ significantly from the current measurements presented in this report due to factors such as, but not limited to, the following: plan experience differing from that anticipated by the economic or demographic assumptions; changes in economic or demographic assumptions; increases or decreases expected as part of the natural operation of the methodology used for these measurements (such as the end of an amortization period or modifications to contribution calculations based on the plan's funded status); and changes in plan provisions or applicable law. Due to the limited scope of the actuarial assignment, we did not perform an analysis of the potential range of future measurements.

## Certification (continued)

In preparing this report, we relied, without audit, on information (some oral and some in writing) supplied by the Town. This information includes, but is not limited to, benefit provisions, member census data, and financial information. We found this information to be reasonably consistent and comparable with information used for other purposes. The valuation results depend on the integrity of this information. If any of this information is inaccurate or incomplete our results may be different, and our calculations may need to be revised.

Milliman's work is prepared solely for the use and benefit of the Town. To the extent that Milliman's work is not subject to disclosure under applicable public records laws, Milliman's work may not be provided to third parties without Milliman's prior written consent. Milliman does not intend to benefit or create a legal duty to any third party recipient of its work product. Milliman's consent to release its work product to any third party may be conditioned on the third party signing a Release, subject to the following exceptions: (a) the Town may provide a copy of Milliman's work, in its entirety, to the Town's professional service advisors who are subject to a duty of confidentiality and who agree to not use Milliman's work for any purpose other than to benefit the Town; and (b) the Town may provide a copy of Milliman's work, in its entirety, to other governmental entities, as required by law. No third party recipient of Milliman's work product should rely upon Milliman's work product. Such recipients should engage qualified professionals for advice appropriate to their own specific needs.

The valuation results were developed using models intended for valuations that use standard actuarial techniques. We have reviewed the models, including their inputs, calculations, and outputs for consistency, reasonableness, and appropriateness to the intended purpose and in compliance with generally accepted actuarial practice and relevant actuarial standards of practice.

The consultants who worked on this assignment are actuaries. Milliman's advice is not intended to be a substitute for qualified legal or accounting counsel.

The signing actuaries are independent of the plan sponsor. We are not aware of any relationship that would impair the objectivity of our work.

On the basis of the foregoing, we hereby certify that, to the best of our knowledge and belief, this report is complete and accurate and has been prepared in accordance with generally recognized and accepted actuarial principles and practices which are consistent with the principles prescribed by the Actuarial Standards Board and the *Code of Professional Conduct and Qualification Standards for Actuaries Issuing Statements of Actuarial Opinion in the United States*, published by the American Academy of Actuaries. We are members of the American Academy of Actuaries and meet the Qualification Standards to render the actuarial opinion contained herein.



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Consulting Actuary



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Scott Lindberg, FSA  
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## i. Summary of Principal Results

Actuarial Valuation for Plan Year Beginning	July 1, 2023	July 1, 2024
<b>Membership</b>		
Active Members	127	118
Terminated Members	57	52
Members in Pay Status	<u>274</u>	<u>282</u>
Total Count	458	452
Payroll	\$8,749,661	\$8,442,950
<b>Assets and Liabilities</b>		
Market Value of Assets	\$73,639,035	\$77,971,116
Actuarial Value of Assets	77,727,485	78,799,917
Accrued Liability for Active Members	38,371,511	37,603,945
Accrued Liability for Terminated Members	5,238,494	3,844,532
Accrued Liability for Members in Pay Status	<u>72,793,029</u>	<u>77,057,309</u>
Total Accrued Liability	116,403,034	118,505,786
Unfunded Accrued Liability	38,675,549	39,705,869
Funded Ratio	66.8%	66.5%
<b>Actuarially Determined Contribution</b>		
For Fiscal Year	2024-25	2025-26
Normal Cost	\$412,072	\$409,187
Past Service Cost	2,554,815	2,722,689
Interest	<u>192,848</u>	<u>203,572</u>
Actuarially Determined Contribution	3,159,735	3,335,448
<b>Allocation of Actuarially Determined Contribution*</b>		
Allocated to BOE	1,514,973	1,558,262
Allocated to Town	<u>1,644,762</u>	<u>1,777,186</u>
Total	3,159,735	3,335,448

\* Allocated on the basis of payroll

## ii. Changes Since the Prior Valuation

### **Plan Experience**

From July 1, 2023 to July 1, 2024, the plan's assets earned 10.65% on a Market Value basis and 5.80% on an Actuarial Value basis. The interest rate assumption for this period was 6.50%; the result is an asset gain of about \$3.0 million on a Market Value basis and a loss of about \$0.5 million on an Actuarial Value basis.

From July 1, 2023 to July 1, 2024, the Accrued Liability was expected to grow from \$116.4 million to \$118.0 million, based on expected changes in the plan's membership per the actuarial assumptions. Actual changes in the plan's membership during this period resulted in an Accrued Liability as of July 1, 2024 of \$120.1 million (measured before any changes in the plan provisions or the actuarial methods and assumptions). This difference of \$2.1 million between the expected Accrued Liability and the actual Accrued Liability is termed a 'liability loss'. The primary factors contributing to this liability loss were: (1) a loss from the cost of living adjustments being larger than anticipated; (2) a loss due to mortality experience with fewer retiree deaths than expected; and (3) a loss due to fewer retirements and terminations than expected.

### **Plan Changes**

None.

### **Changes in Actuarial Assumptions**

The retirement assumptions were updated to reflect the results of an experience study for the period of 2018-2024. This change decreased the Unfunded Accrued Liability by about \$1.6 million and the Actuarially Determined Contribution by about \$0.1 million.

### **Changes in Actuarial Methods**

None.

### **Other Significant Changes**

None.

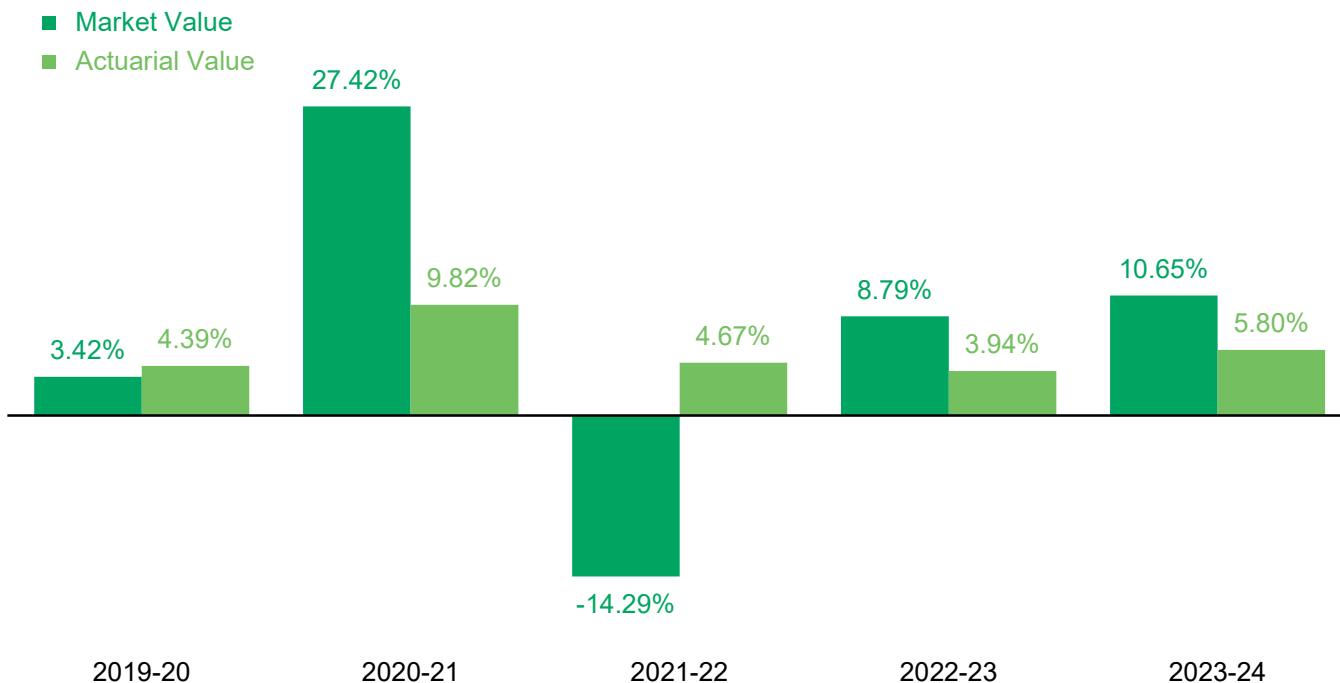
### iii. Asset Performance

There are two different measures of the plan's assets that are used throughout this report. The Market Value is a snapshot of the plan's investments as of the valuation date. The Actuarial Value is a smoothed asset value designed to temper the volatile fluctuations in the market by recognizing investment gains or losses non-asymptotically over five years.

	Market Value	Actuarial Value
Value as of July 1, 2023	\$73,639,035	\$77,727,485
Town Contributions and Member Contributions	3,206,183	3,206,183
Investment Income	7,668,167	4,408,518
Benefit Payments and Administrative Expenses	(6,542,269)	(6,542,269)
Value as of July 1, 2024	77,971,116	78,799,917

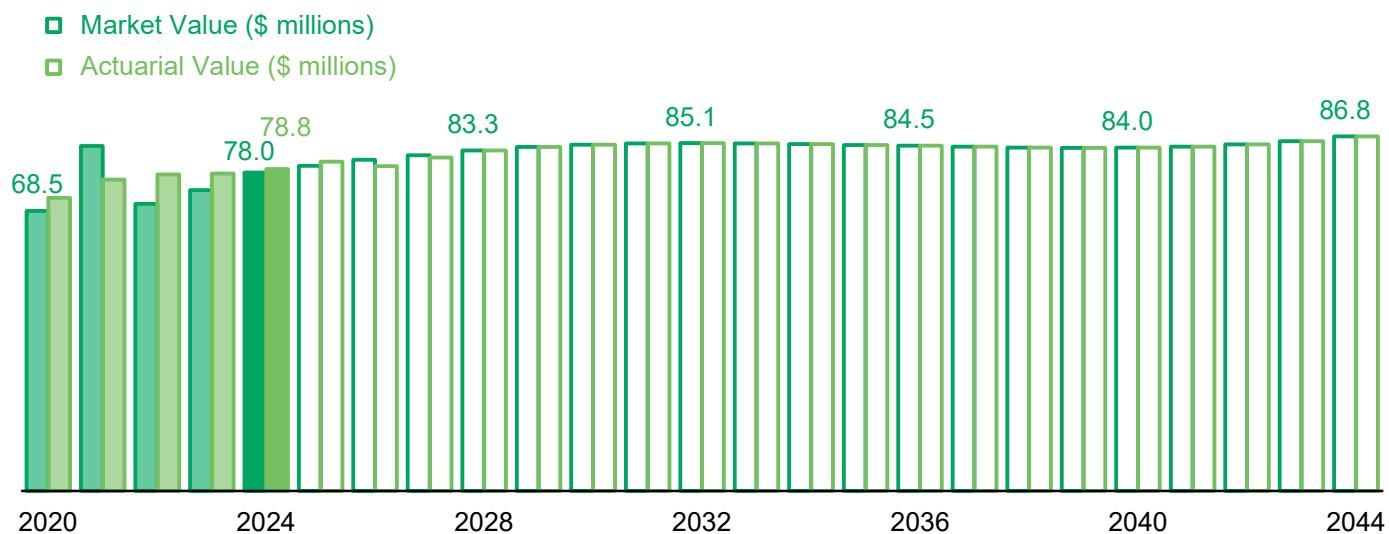
The Actuarial Value currently exceeds the Market Value by \$0.8 million. This figure represents investment losses that will be gradually recognized in future years. This process will exert upward pressure on the Town's contribution, unless there are offsetting market gains.

Historical rates of return are shown in the graph below:

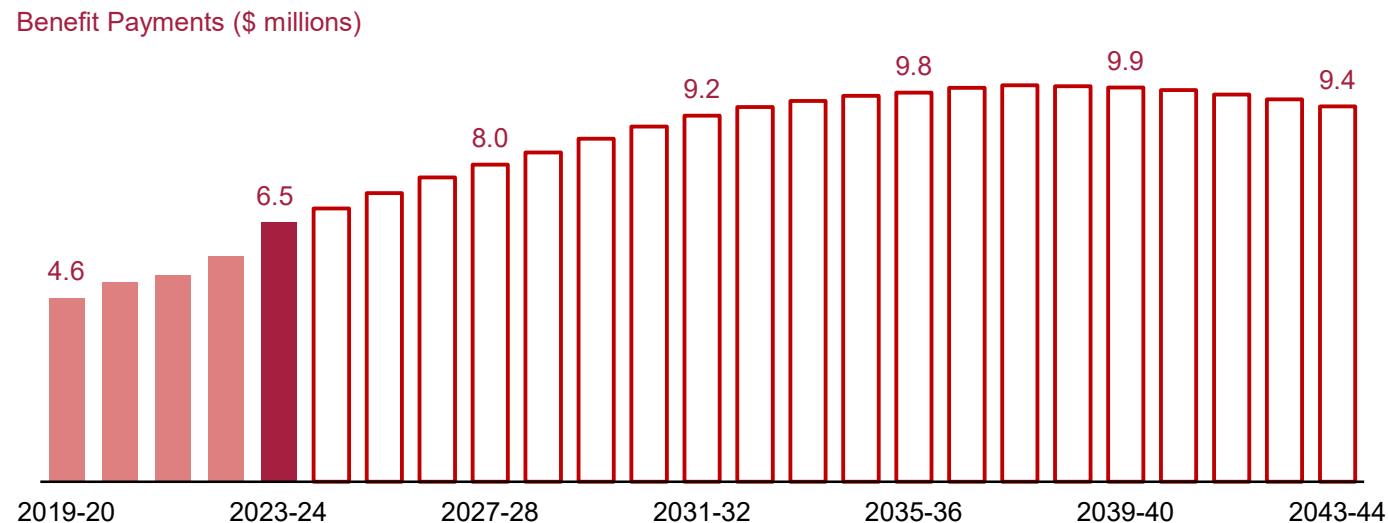


#### iv. Asset Forecast

The graph below shows how this year's asset values compare to where the plan's assets have been over the past several years and how they are projected to change over the next 20 years. For purposes of this projection, we have assumed that the Town always contributes the Actuarially Determined Contribution and the investments always earn the assumed interest rate each year.



In 2023-24, the plan paid out \$6.5 million in benefits to members. Over the next 20 years, the plan is projected to pay out a total of \$182 million in benefits to members.



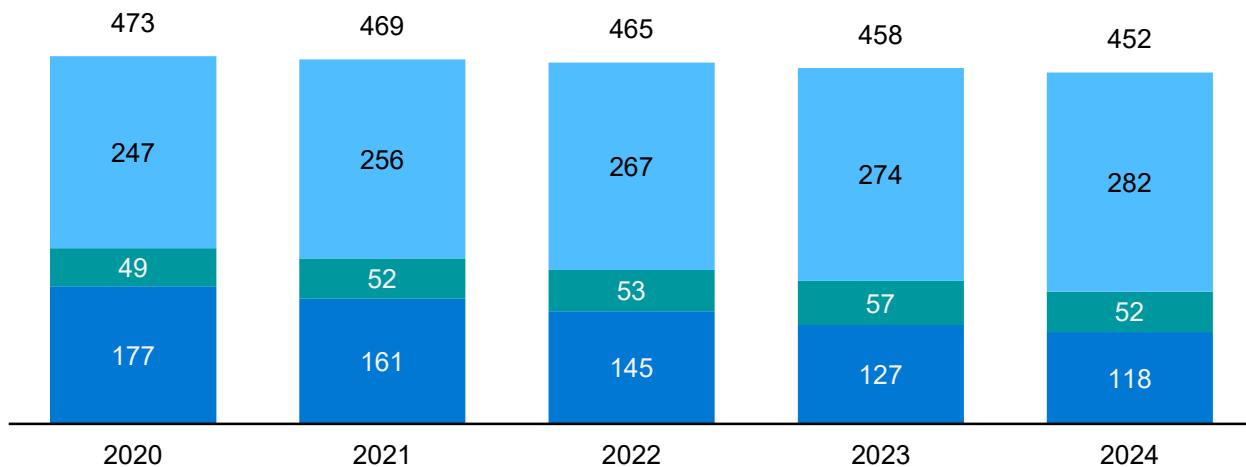
To the extent that there are future investment or liability gains or losses, changes in the actuarial assumptions or methods, or plan changes, the actual valuation results will differ from these forecasts. Please see Appendix A for more details of the long range forecast.

## v. Membership

### Overview

There are three basic categories of plan members included in the valuation: (1) active employees who have met the eligibility requirements for membership, (2) former employees who have a right to benefits but have not yet started collecting, and (3) members who are currently receiving monthly pension benefits.

- Members in Pay Status
- Terminated Members
- Active Members

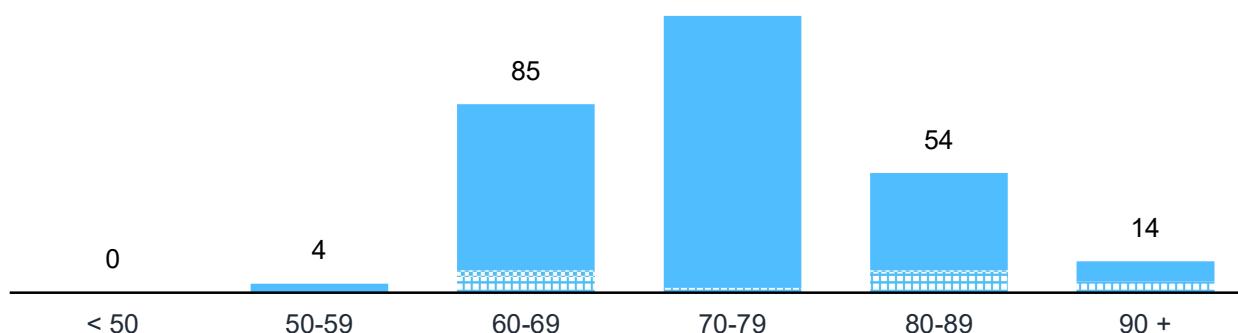


### Members in Pay Status on July 1, 2024

Service Retirees	255	Average Age	74.2
Disabled Retirees	4	Total Annual Benefit	\$6,673,834
Beneficiaries	23	Average Annual Benefit	23,666
Total	282		

The members in pay status fall across a wide distribution of ages:

- Service Retirees
- ❖ Disabled Retirees
- # Beneficiaries



## v. Membership (continued)

### Terminated Vested Members on July 1, 2024

Count	47
Average Age	51.7
Total Annual Benefit	\$469,916
Average Annual Benefit	9,998

### Nonvested Members Due Refunds on July 1, 2024

Count	5
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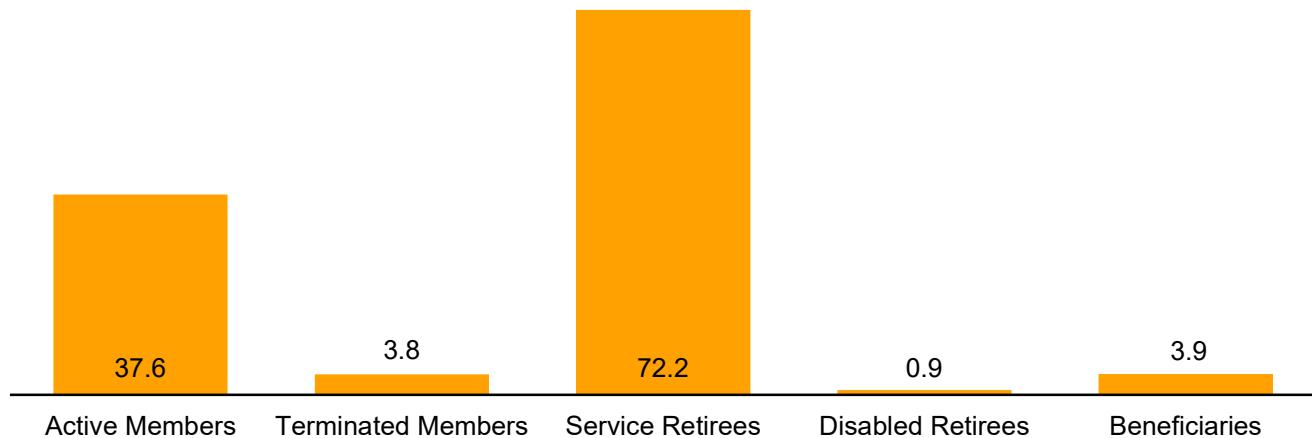
### Active Members on July 1, 2024

Count	118
Average Age	58.6
Average Service	21.5
Payroll	\$8,442,950
Average Payroll	71,550

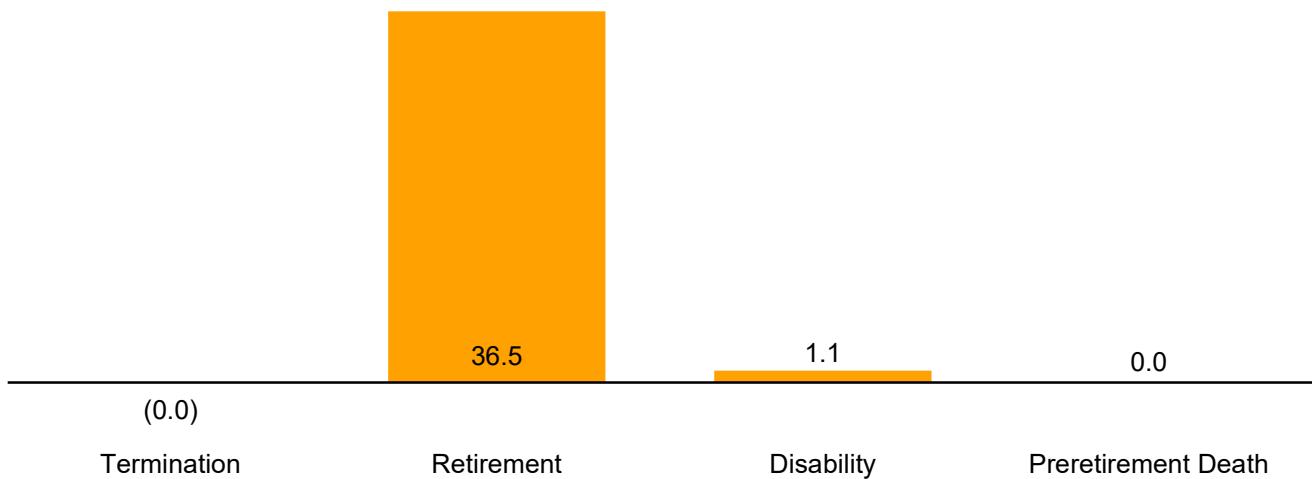
Age	Years of Service							Total
	0-4	5-9	10-14	15-19	20-24	25-29	30+	
< 25								0
25-29								0
30-34								0
35-39		1	1					2
40-44	1	1	2					4
45-49	1	7	4					12
50-54	3	9		4				16
55-59	2	6	7	5	4			24
60-64	5	8	15	4	2			34
65+	2	6	10	4	4			26
Total	0	15	38	38	17	10		118

## vi. Accrued Liability

The Accrued Liability as of July 1, 2024 equals \$118,505,786, which consists of the following pieces (in \$ millions):



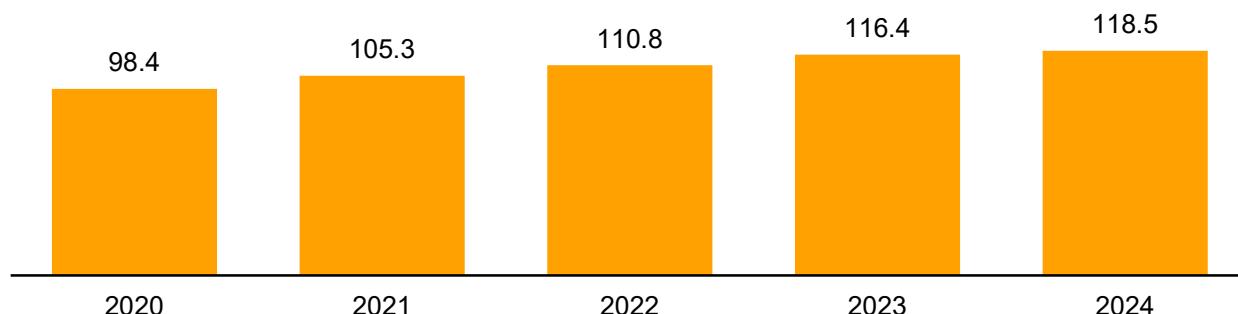
The Accrued Liability for active members can be broken down further by the different types of benefits provided by the plan:



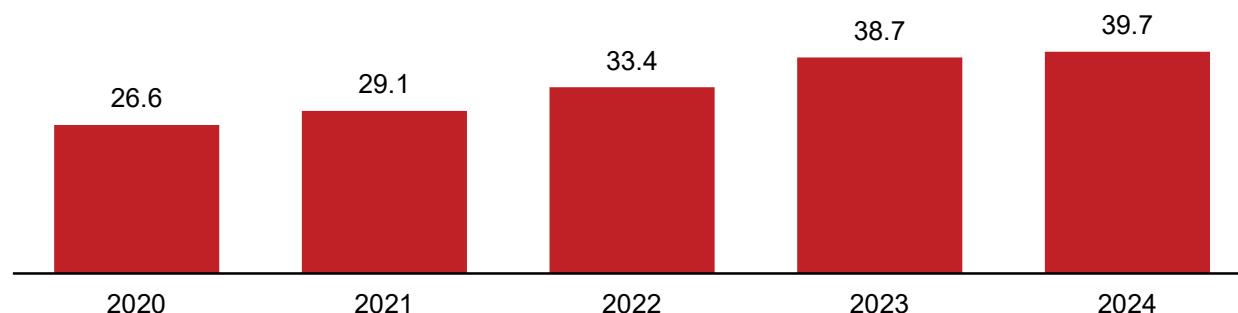
## vii. Funded Status

The Accrued Liability grows over time as active members earn additional benefits, and goes down over time as members in pay status receive benefits; it may also change when there are changes to the plan provisions or changes in the actuarial assumptions. The Unfunded Accrued Liability is the dollar difference between the Accrued Liability and the Actuarial Value of Assets; the Funded Ratio is the ratio of the two.

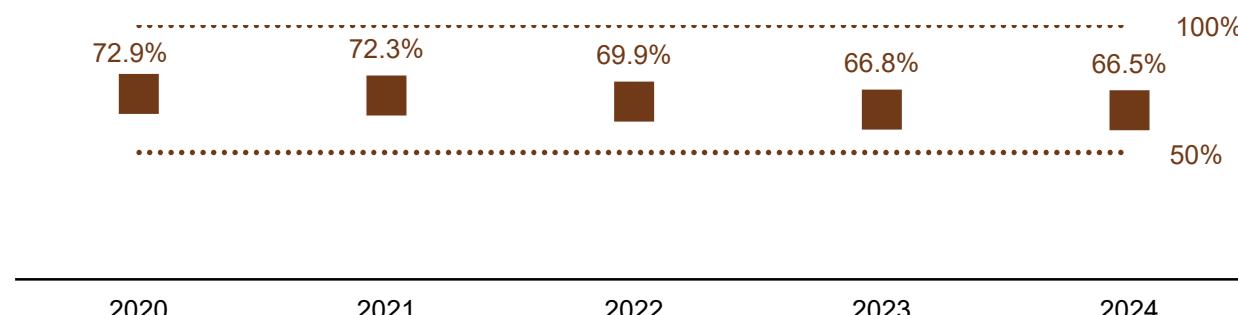
Accrued Liability (\$ millions)



Unfunded Accrued Liability (\$ millions)

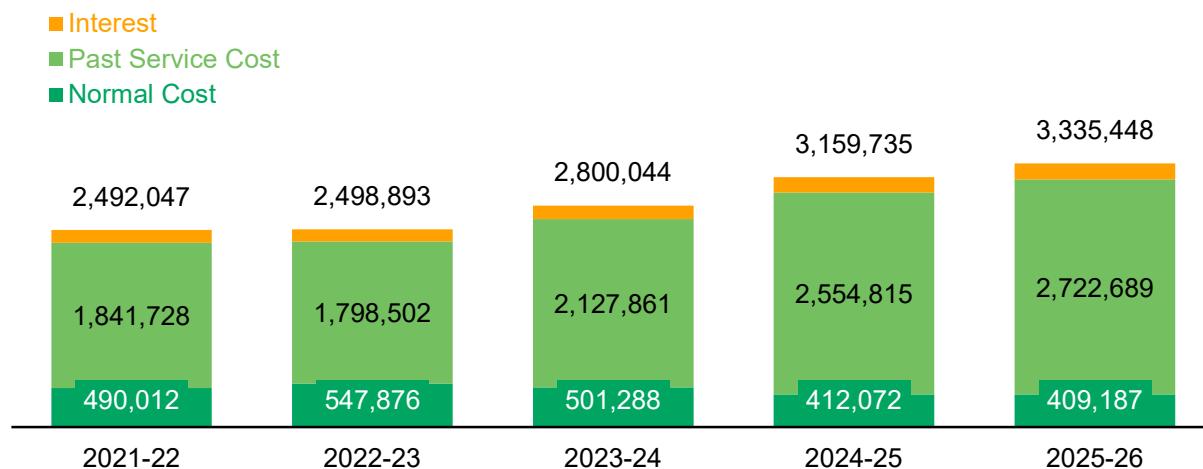


Funded Ratio



## viii. Actuarially Determined Contribution (ADC)

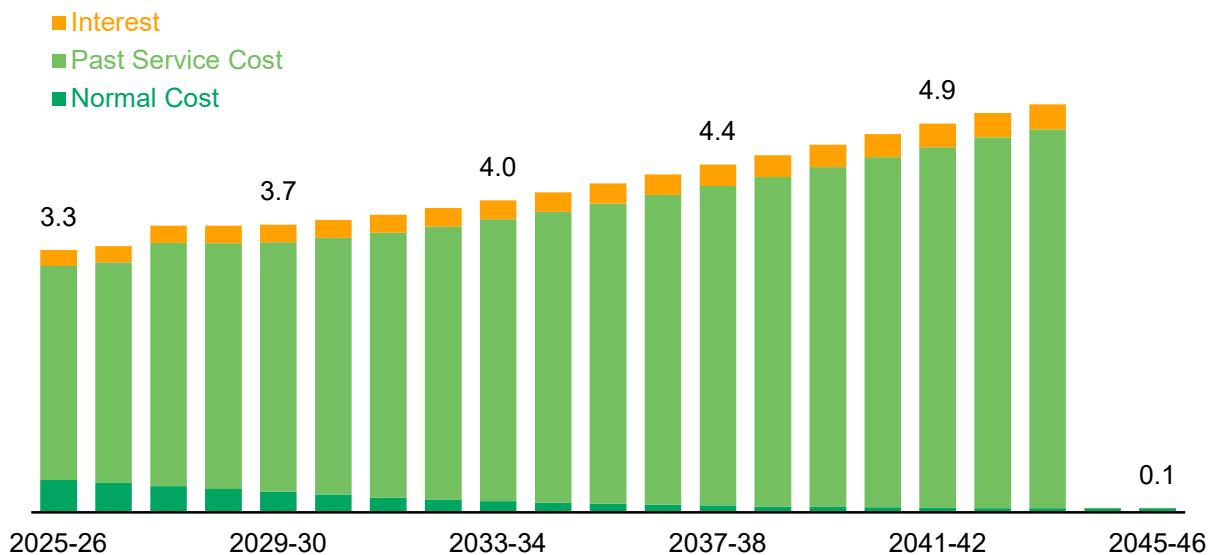
The ADC consists of three pieces: a Normal Cost payment to fund the benefits earned each year, a Past Service Cost to gradually reduce any unfunded or surplus liability, and Interest to reflect the timing of the contribution relative to the valuation date. The ADC for fiscal year 2025-26 is \$3,335,448. The ADC for the past five years is shown below:



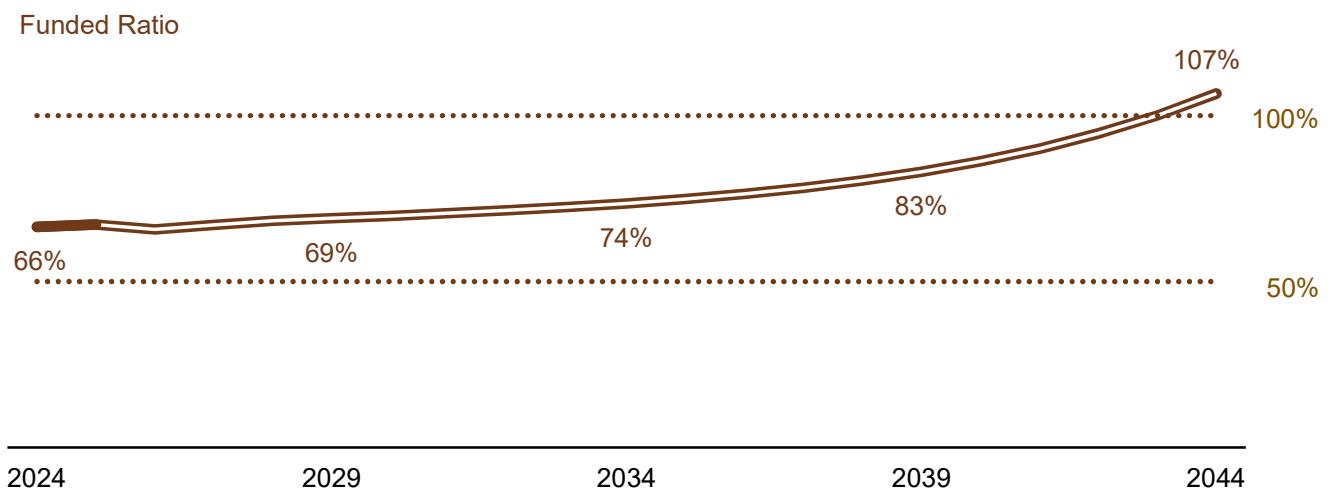
Actuarial Standard of Practice (ASOP) No. 4 requires the actuary to calculate and disclose a 'reasonable' ADC, which considers whether the actuarial methods and actuarial assumptions are in compliance with all applicable ASOPs. Based on the actuarial assumptions and methods used in this report, we believe the ADC meets this standard and reflects a balance among benefit security for plan members, intergenerational equity among stakeholders, and stability of periodic costs.

## ix. Long-Range Forecast

If the Town pays the Actuarially Determined Contribution each year, the investments earn exactly the assumed interest rate each year, and there are no changes in the plan provisions or in the actuarial methods and assumptions, then we project the following long-range Actuarially Determined Contributions (in \$ millions):



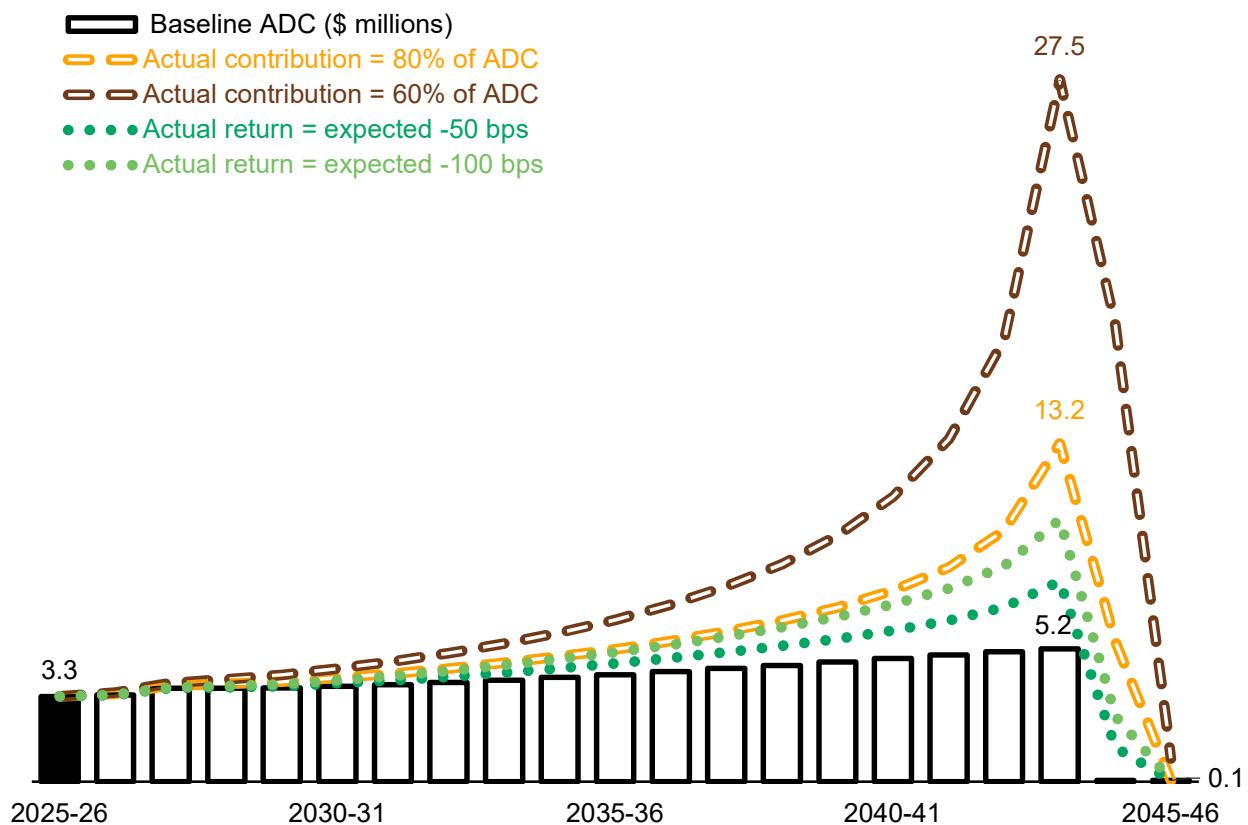
On the basis of this forecast, the Actuarially Determined Contribution currently exceeds the sum of the Normal Cost plus one year's interest on the Unfunded Accrued Liability and the Unfunded Accrued Liability is expected to be fully amortized by 2043. Over time, the funded ratio is expected to change as follows:



To the extent that there are future investment or liability gains or losses, changes in the actuarial assumptions or methods, or plan changes, the actual valuation results will differ from these forecasts. Please see Appendix A for more details of the long range forecast.

## ix. Long-Range Forecast (continued)

Pension benefits are paid for through a combination of contributions from the Town and from active members, and investment income. If the Town pays less than the Actuarially Determined Contribution each year, or if the investments persistently earn less than the assumed interest rate, then the plan's funded status would suffer, and to compensate, the Town's contribution levels would be pushed higher. The risks of underfunding and underearning are illustrated in the hypothetical scenarios below:



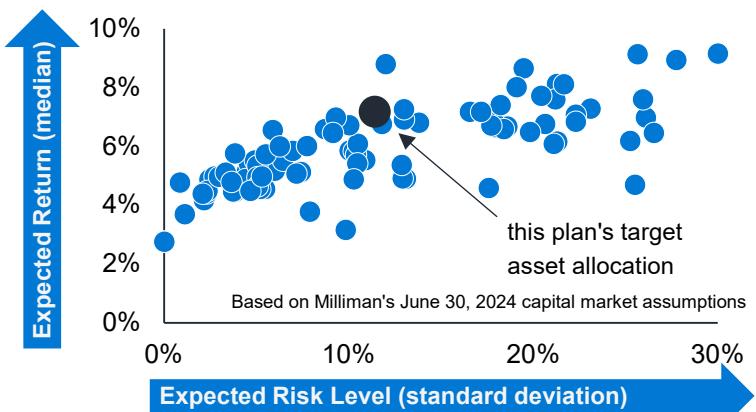
The scenarios illustrated above are based on deterministic projections that assume emerging plan experience always exactly matches the actuarial assumptions; in particular that actual asset returns will be constant in every year of the projection period. Variation in asset returns, contribution amounts, and many other factors may have a significant impact on the long-term financial health of the plan, the liquidity constraints on plan assets, and the Town's future contribution levels. Stochastic projections could be prepared that would enable the Town to understand the potential range of future results based on the expected variability in asset returns and other factors. Such analysis was beyond the scope of this engagement.

## x. Asset Allocation Considerations

Monies that flow out of a pension plan (benefits and expenses) must be matched over the long term by monies that flow into the plan (contributions and investment income). This is expressed in a classic equation: **B** (benefits) + **E** (expenses) = **C** (contributions) + **I** (investment income).

Actuarial assumptions enable us to anticipate the long-term levels of **B** (benefits) and **E** (expenses) that will be paid out of the plan. In order to determine the appropriate level of **C** (contributions) that should come in to the plan, we must first anticipate the long-term level of **I** (investment income) the plan is likely to receive. That is why, for purposes of determining future funding levels, we measure **this** plan's liability using the long-term rate of investment returns **this** plan's portfolio is expected to generate.

Pension plans construct their portfolios by allocating assets across a wide range of asset classes with different risk and return profiles; the graph includes nearly 100 asset classes that pension plans invest in. As the graph illustrates, asset classes with higher expected returns also have higher risk levels; that is, a higher likelihood of experiencing both very good returns and very bad returns. Asset classes with lower expected returns also have lower risk levels.



The plan's target allocation represents a balance. Investing in lower-returning asset classes should reduce future investment returns and therefore increase future Town contributions, but the lower risk levels would result in lower year-over-year volatility in the Actuarially Determined Contribution and might provide more benefit security for plan members. Conversely, investing in higher-returning asset classes should increase future investment returns and therefore reduce future Town contributions, but would also increase the volatility of those contributions and potentially reduce benefit security for plan members.

In the graph above, the asset class with the lowest risk level is US Cash, and the asset class with the highest risk level is Private Equity. If the plan were invested 100% in either of these extremes, it would impact the interest rate assumption and therefore the Accrued Liability, Funded Ratio, and ultimately the Town's annual contributions; the volatility of the contributions would also change based on the risk level of the portfolio:

	100% US Cash *	Plan's Interest Rate Assumption	100% Private Equity
Expected long-term return (median)	3.7%	6.50%	9.2%
Expected risk level (standard deviation)	1.1%	11.4%	30.0%
Accrued Liability on July 1, 2024 **	\$157.3 million	\$118.5 million	\$90.6 million
Funded Ratio on July 1, 2024 ***	50%	66%	87%

\* This would be considered a "low-default-risk obligation measure" (LDROM) using the language of ASOP 4.

\*\* Calculated using the same actuarial assumptions and methods that were used for this valuation, except for the interest rate; the plan's duration on the valuation date, as measured for GASB 68 purposes, was used to estimate the impact of the interest rate difference relative to the valuation interest rate assumption.

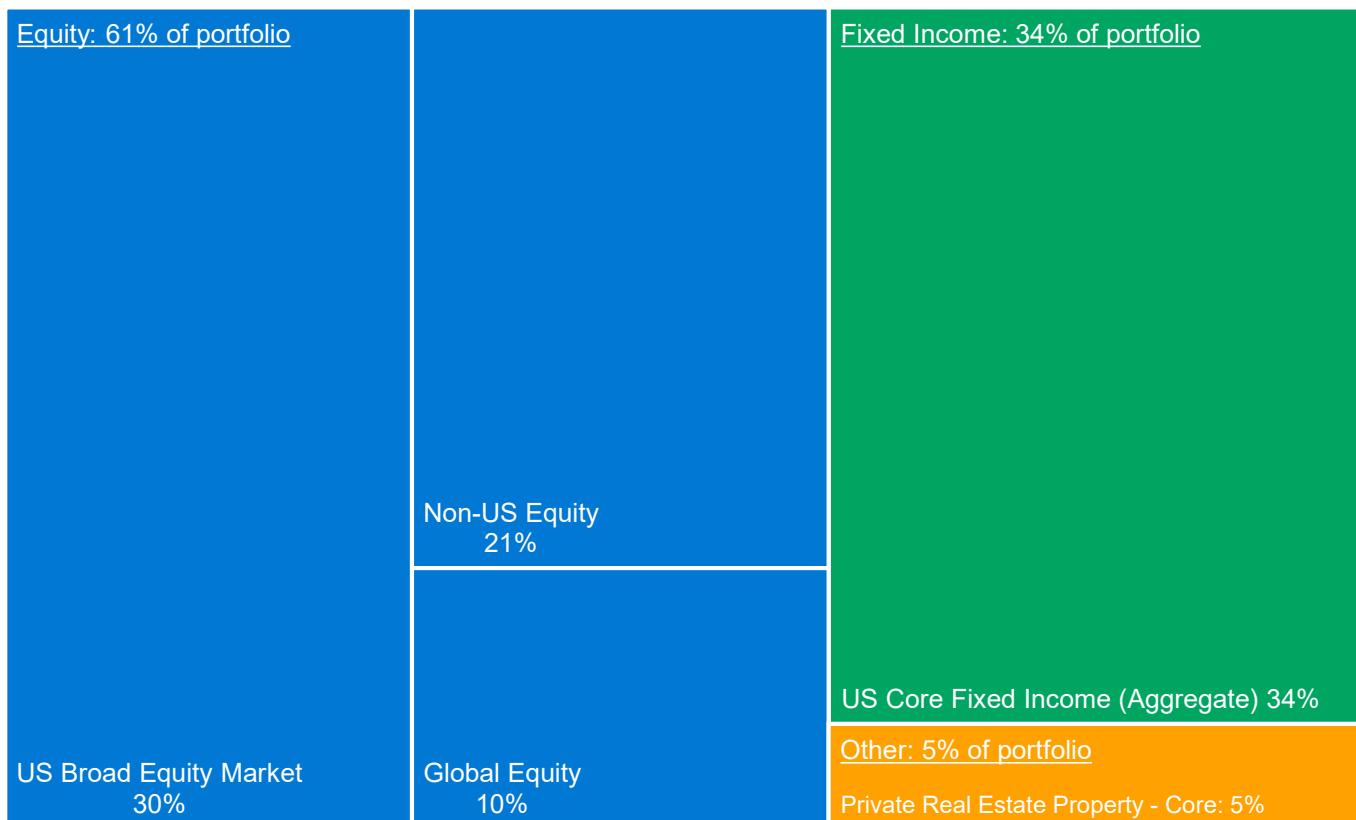
\*\*\* Measured using the Actuarial Value of Assets

## 1. Summary of Fund Transactions

Market Value as of July 1, 2023	\$73,639,035
Town Contributions	2,800,044
Member Contributions	406,139
Net Investment Income	7,668,167
Benefit Payments	(6,520,170)
Administrative Expenses	(22,099)
<b>Market Value as of June 30, 2024</b>	<b>77,971,116</b>
Expected Return on Market Value of Assets	4,680,102
Market Value (Gain)/Loss	(2,988,065)
Approximate Rate of Return *	10.65%

\* The rate shown here is not the dollar or time weighted investment yield rate which measures investment performance. It is an approximate net return assuming all activity occurred on average midway through the year.

### Target Asset Allocation as of June 30, 2024



## 2. Development of Actuarial Value of Assets

In order to minimize the impact of market fluctuations on the contribution level, we use an Actuarial Value of Assets that recognizes gains and losses in equal installments ('non-asymptotically') over a five year period. The Actuarial Value of Assets as of July 1, 2024 is determined below.

1. Expected Market Value of Assets:

a. Market Value of Assets as of July 1, 2023	\$73,639,035
b. Town Contributions and Member Contributions	3,206,183
c. Benefit Payments and Administrative Expenses	(6,542,269)
d. Expected Earnings Based on 6.50% Interest	<u>4,680,102</u>
e. Expected Market Value of Assets as of July 1, 2024	74,983,051

2. Actual Market Value of Assets as of July 1, 2024

77,971,116

3. Market Value (Gain)/Loss: (1e) - (2)

(2,988,065)

4. Delayed Recognition of Market (Gains)/Losses

Plan Year End	(Gain)/Loss	Percent Not Recognized	Amount Not Recognized
06/30/2024	(\$2,988,065)	80%	(\$2,390,452)
06/30/2023	(1,578,883)	60%	(947,330)
06/30/2022	17,327,412	40%	6,930,965
06/30/2021	(13,821,912)	20%	<u>(2,764,382)</u>
			828,801

5. Actuarial Value of Assets as of July 1, 2024: (2) + (4)

78,799,917

6. Return on Actuarial Value of Assets

4,408,518

7. Approximate Rate of Return on Actuarial Value of Assets

5.80%

8. Actuarial Value (Gain)/Loss

532,063

### 3. Past Service Cost

In determining the Past Service Cost, the Unfunded Accrued Liability is amortized as a level percent over a closed period of 22 years beginning July 1, 2021.

	July 1, 2023	July 1, 2024
1. Accrued Liability		
Active Members	\$38,371,511	\$37,603,945
Terminated Members	5,238,494	3,844,532
Service Retirees	67,981,095	72,249,413
Disabled Retirees	890,207	899,809
Beneficiaries	<u>3,921,727</u>	<u>3,908,087</u>
Total	116,403,034	118,505,786
2. Actuarial Value of Assets (see Exhibit 2)	77,727,485	78,799,917
3. Unfunded Accrued Liability: (1) - (2)	38,675,549	39,705,869
4. Funded Ratio: (2) / (1)	66.8%	66.5%
5. Amortization Period	20	19
6. Amortization Growth Rate	3.25%	3.25%
7. Past Service Cost: (3) amortized over (5)	2,554,815	2,722,689

## 4. Actuarial Gains / Losses

From one valuation to the next, the Accrued Liability and the Actuarial Value of Assets may change in ways that were not anticipated by the actuarial assumptions that were used in the last valuation. If the Accrued Liability is lower than expected or the Actuarial Value of Assets is higher than expected, we say that the plan has experienced an 'actuarial gain', and if the Accrued Liability is higher than expected or the Actuarial Value of Assets is lower than expected, we say that the plan has experienced an 'actuarial loss'. The actuarial gains / (losses) that arose during 2023-24 are shown below, along with the impact of plan changes and changes in the actuarial assumptions and method. Please see page 4 for more details on any changes since the last valuation.

		Accrued Liability A	Actuarial Value of Assets B	Unfunded Accrued Liability = A - B
1.	Value as of July 1, 2023	\$116,403,034	\$77,727,485	\$38,675,549
2.	Normal Cost as of July 1, 2023	762,153		762,153
3.	Town Contributions during 2023-24		2,800,044	(2,800,044)
4.	Member Contributions during 2023-24		406,139	(406,139)
5.	Benefit Payments during 2023-24	(6,520,170)	(6,520,170)	0
6.	Administrative Expenses during 2023-24		(22,099)	22,099
7.	One year of interest on (1) thru (2) at 6.50%	7,615,737	5,052,287	2,563,450
8.	Half year of interest on (3) thru (6) at 6.50%	(211,906)	(111,706)	(100,200)
9.	Expected value as of July 1, 2024	118,048,848	79,331,980	38,716,868
10.	Actual value as of July 1, 2024 before any plan, assumption, or method changes	120,068,044	78,799,917	41,268,127
11.	Experience gains / losses: (10) - (9)	2,019,196	(532,063)	2,551,259
12.	Impact of plan changes (see page 4)	0	0	0
13.	Impact of assumption changes (see page 4)	(1,562,258)	0	(1,562,258)
14.	Impact of method changes (see page 4)	0	0	0
15.	Final value as of July 1, 2024	118,505,786	78,799,917	39,705,869

## 5. Actuarially Determined Contribution

		2024-25	2025-26
1.	Total Normal Cost	\$762,153	\$761,400
2.	Expected Member Contributions	371,481	375,013
3.	Expected Administrative Expenses	21,400	22,800
4.	Net Normal Cost: (1) - (2) + (3)	412,072	409,187
5.	Past Service Cost (see Exhibit 3)	2,554,815	2,722,689
6.	Interest on (4) + (5) to the start of the fiscal year	192,848	203,572
7.	Actuarially Determined Contribution: (4) + (5) + (6)	3,159,735	3,335,448
8.	Payroll		
	Board of Education	4,195,130	3,944,397
	Town	<u>4,554,531</u>	<u>4,498,553</u>
	Total	8,749,661	8,442,950
9.	Allocation of (7) based on (8)		
	Board of Education	1,514,973	1,558,262
	Town	<u>1,644,762</u>	<u>1,777,186</u>
	Total	3,159,735	3,335,448

## 6. Long Range Funded Status Forecast

This forecast is based on the results of the July 1, 2024 actuarial valuation and assumes that the Town will pay the Actuarially Determined Contribution each year, the assets will return the assumed interest rate on a market value basis each year, and there are no future changes in the actuarial methods or assumptions or in the plan provisions. For purposes of this forecast the amortization period declines to 1 year to illustrate the progress of the plan towards becoming fully funded; in actual practice the amortization period will not be less than 10 years in order to shield the Town from contribution volatility. Actual results at each point in time will yield different values, reflecting the actual experience of the plan membership and assets.

Valuation Date	Accrued Liability	Actuarial Value of Assets	Unfunded Accrued Liability	Funded Ratio
7/1/2024	\$118,505,786	\$78,799,917	\$39,705,869	66.5%
7/1/2025	119,967,000	80,614,000	39,353,000	67.2%
7/1/2026	121,032,000	79,513,000	41,519,000	65.7%
7/1/2027	121,694,000	81,590,000	40,104,000	67.0%
7/1/2028	121,976,000	83,325,000	38,651,000	68.3%
7/1/2029	121,902,000	84,191,000	37,711,000	69.1%
7/1/2030	121,385,000	84,738,000	36,647,000	69.8%
7/1/2031	120,440,000	85,042,000	35,398,000	70.6%
7/1/2032	119,093,000	85,124,000	33,969,000	71.5%
7/1/2033	117,383,000	85,048,000	32,335,000	72.5%
7/1/2034	115,359,000	84,891,000	30,468,000	73.6%
7/1/2035	113,041,000	84,686,000	28,355,000	74.9%
7/1/2036	110,454,000	84,478,000	25,976,000	76.5%
7/1/2037	107,563,000	84,234,000	23,329,000	78.3%
7/1/2038	104,360,000	84,019,000	20,341,000	80.5%
7/1/2039	100,961,000	83,933,000	17,028,000	83.1%
7/1/2040	97,358,000	84,000,000	13,358,000	86.3%
7/1/2041	93,559,000	84,262,000	9,297,000	90.1%
7/1/2042	89,621,000	84,798,000	4,823,000	94.6%
7/1/2043	85,544,000	85,623,000	(79,000)	100.1%

## 7. Long Range Cash Flow Forecast

This forecast is based on the results of the July 1, 2024 actuarial valuation and assumes that the Town will pay the Actuarially Determined Contribution each year, the assets will return the assumed interest rate on a market value basis each year, and there are no future changes in the actuarial methods or assumptions or in the plan provisions. For purposes of this forecast the amortization period declines to 1 year to illustrate the progress of the plan towards becoming fully funded; in actual practice the amortization period will not be less than 10 years in order to shield the Town from contribution volatility. Actual results at each point in time will yield different values, reflecting the actual experience of the plan membership and assets.

Fiscal Year	Town Contributions	Member Contributions	Benefit Payments	Administrative Expenses	Net Cash Flows
2025-26	\$3,335,448	\$340,851	(\$7,256,749)	(\$23,445)	(\$3,603,895)
2026-27	3,385,000	308,000	(7,644,000)	(24,000)	(3,975,000)
2027-28	3,648,000	278,000	(7,972,000)	(25,000)	(4,071,000)
2028-29	3,646,000	250,000	(8,277,000)	(26,000)	(4,407,000)
2029-30	3,657,000	220,000	(8,622,000)	(26,000)	(4,771,000)
2030-31	3,720,000	190,000	(8,923,000)	(27,000)	(5,040,000)
2031-32	3,786,000	166,000	(9,197,000)	(28,000)	(5,273,000)
2032-33	3,871,000	146,000	(9,421,000)	(29,000)	(5,433,000)
2033-34	3,968,000	129,000	(9,574,000)	(30,000)	(5,507,000)
2034-35	4,071,000	115,000	(9,697,000)	(31,000)	(5,542,000)
2035-36	4,181,000	101,000	(9,784,000)	(32,000)	(5,534,000)
2036-37	4,297,000	83,000	(9,902,000)	(32,000)	(5,554,000)
2037-38	4,422,000	68,000	(9,968,000)	(33,000)	(5,511,000)
2038-39	4,544,000	59,000	(9,942,000)	(34,000)	(5,373,000)
2039-40	4,675,000	49,000	(9,908,000)	(35,000)	(5,219,000)
2040-41	4,811,000	40,000	(9,849,000)	(37,000)	(5,035,000)
2041-42	4,947,000	34,000	(9,730,000)	(38,000)	(4,787,000)
2042-43	5,081,000	29,000	(9,609,000)	(39,000)	(4,538,000)
2043-44	5,189,000	24,000	(9,436,000)	(40,000)	(4,263,000)
2044-45	51,000	19,000	(9,224,000)	(41,000)	(9,195,000)

## 8. History of Funded Status

Valuation Date	Actuarial Value of Assets	Accrued Liability	Unfunded Accrued Liability	Funded Ratio
July 1, 2012	\$59,251,864	\$58,623,672	(\$628,192)	101.1%
July 1, 2013	62,034,394	66,628,676	4,594,282	93.1%
July 1, 2014	65,167,454	69,668,604	4,501,150	93.5%
July 1, 2015	67,591,835	73,630,924	6,039,089	91.8%
July 1, 2016	68,342,306	77,373,867	9,031,561	88.3%
July 1, 2017	69,510,847	81,031,794	11,520,947	85.8%
July 1, 2018	70,846,138	84,771,674	13,925,536	83.6%
July 1, 2019	71,358,621	92,781,707	21,423,086	76.9%
July 1, 2020	71,786,483	98,408,686	26,622,203	72.9%
July 1, 2021	76,213,487	105,345,527	29,132,040	72.3%
July 1, 2022	77,460,928	110,817,978	33,357,050	69.9%
July 1, 2023	77,727,485	116,403,034	38,675,549	66.8%
July 1, 2024	78,799,917	118,505,786	39,705,869	66.5%

## 9. History of Town Contributions

Fiscal Year	Actuarially Determined Contribution	Actual Town Contribution	Payroll	Actual Contribution as a Percent of Payroll
2013-14	\$1,311,760	\$1,311,760	\$15,947,178	8.2%
2014-15	998,378	998,378	15,744,445	6.3%
2015-16	1,026,539	1,026,539	14,982,909	6.9%
2016-17	1,054,742	1,054,742	14,057,983	7.5%
2017-18	1,196,328	1,196,328	13,489,831	8.9%
2018-19	1,340,704	1,340,704	12,839,197	10.4%
2019-20	1,516,196	1,516,223	12,192,970	12.4%
2020-21	2,089,539	2,089,210	11,383,383	18.4%
2021-22	2,492,047	2,513,586	10,844,689	23.2%
2022-23	2,498,893	2,498,893	10,265,576	24.3%
2023-24	2,800,044	2,800,044	9,862,883	28.4%
2024-25	3,159,735	TBD	8,749,661	TBD
2025-26	3,335,448	TBD	8,442,950	TBD

## 10. Reconciliation of Membership from Prior Valuation

Details of the changes in the plan's membership since the last valuation are shown below. Additional details on the membership are provided in the following exhibits.

	Active Members	Terminated Vested Members	Nonvested Members Due Refunds	Service Retirees	Disabled Retirees	Beneficiaries	Total
<b>Count July 1, 2023</b>	127	52	5	247	4	23	458
Terminated							
- no benefits due	-	-	-	-	-	-	0
- refund due	-	-	-	-	-	-	0
- paid refund	-	-	-	-	-	-	0
- vested benefits due	-	-	-	-	-	-	0
Retired	(7)	(5)	-	12	-	-	0
Died							
- with beneficiary	-	-	-	-	-	-	0
- no beneficiary	(2)	-	-	(4)	-	-	(6)
Benefits expired	-	-	-	-	-	-	0
New member	-	-	-	-	-	-	0
Rehired	-	-	-	-	-	-	0
New Alternate Payee	-	-	-	-	-	-	0
Correction	-	-	-	-	-	-	0
<b>Count July 1, 2024</b>	118	47	5	255	4	23	452

## 11. Statistics of Active Membership

		July 1, 2023	July 1, 2024
<b>Number of Active Members</b>	BOE	77	70
	Town	<u>50</u>	<u>48</u>
	Total	127	118
<b>Average Age</b>	BOE	58.8	59.6
	Town	56.8	57.3
	Total	58.0	58.6
<b>Average Service</b>	BOE	19.8	20.5
	Town	22.0	22.9
	Total	20.7	21.5
<b>Payroll</b>	BOE	\$4,195,130	\$3,944,397
	Town	<u>4,554,531</u>	<u>4,498,553</u>
	Total	8,749,661	8,442,950
<b>Average Payroll</b>	BOE	\$54,482	\$56,349
	Town	91,091	93,720
	Total	68,895	71,550

## 12. Distribution of Active Members as of July 1, 2024

### BOE

Age	Years of Service							Total
	0-4	5-9	10-14	15-19	20-24	25-29	30+	
< 25								0
25-29								0
30-34								0
35-39								0
40-44			1	1	1			3
45-49			1	3				4
50-54			3	5		3		11
55-59			1	4	5	3	2	15
60-64			3	4	10	4	1	22
65+			2	6	5	2		15
<b>Total</b>	<b>0</b>	<b>0</b>	<b>11</b>	<b>23</b>	<b>21</b>	<b>12</b>	<b>3</b>	<b>70</b>

### Town

Age	Years of Service							Total
	0-4	5-9	10-14	15-19	20-24	25-29	30+	
< 25								0
25-29								0
30-34								0
35-39			1	1				2
40-44					1			1
45-49				4	4			8
50-54				4		1		5
55-59			1	2	2	2	2	9
60-64			2	4	5		1	12
65+					5	2	4	11
<b>Total</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>15</b>	<b>17</b>	<b>5</b>	<b>7</b>	<b>48</b>

## 13. Statistics of Inactive Membership

	July 1, 2023	July 1, 2024
<b>Terminated Vested Members</b>		
Number	52	47
Total Annual Benefit	\$583,889	\$469,916
Average Annual Benefit	11,229	9,998
Average Age	52.0	51.7
<b>Nonvested Members Due Refunds</b>		
Number	5	5
<b>Service Retirees</b>		
Number	247	255
Total Annual Benefit	\$5,718,977	\$6,166,953
Average Annual Benefit	23,154	24,184
Average Age	73.4	73.7
<b>Disabled Retirees</b>		
Number	4	4
Total Annual Benefit	\$71,509	\$73,796
Average Annual Benefit	17,877	18,449
Average Age	68.6	69.6
<b>Beneficiaries</b>		
Number	23	23
Total Annual Benefit	\$419,297	\$433,085
Average Annual Benefit	18,230	18,830
Average Age	78.6	79.6

## 14. Distribution of Inactive Membership as of July 1, 2024

	Age	Number	Annual Benefits
<b>Terminated Vested Members</b>			
	< 50	20	\$144,464.64
	50 - 59	16	201,945.24
	60 - 69	11	123,506.40
	70 - 79	0	0.00
	80 - 89	0	0.00
	90 +	0	0.00
	Total	47	469,916.28
<b>Service Retirees</b>			
	< 50	0	\$0.00
	50 - 59	4	132,564.72
	60 - 69	75	1,833,586.68
	70 - 79	123	3,007,488.84
	80 - 89	44	1,127,265.96
	90 +	9	66,046.68
	Total	255	6,166,952.88
<b>Disabled Retirees</b>			
	< 50	0	\$0.00
	50 - 59	0	0.00
	60 - 69	3	55,033.20
	70 - 79	0	0.00
	80 - 89	1	18,763.44
	90 +	0	0.00
	Total	4	73,796.64
<b>Beneficiaries</b>			
	< 50	0	\$0.00
	50 - 59	0	0.00
	60 - 69	7	86,240.64
	70 - 79	2	102,998.88
	80 - 89	9	186,587.16
	90 +	5	57,258.36
	Total	23	433,085.04

## Appendix A - Actuarial Funding Method

### Cost Method

The actuarial cost method used in the valuation of this Plan is known as the Entry Age Normal Method. The Actuarially Determined Contribution consists of three pieces: Normal Cost plus a Past Service Cost payment to gradually eliminate the Unfunded Accrued Liability plus Interest to reflect the timing of the contribution relative to the valuation date.

The Normal Cost is determined by calculating the present value of future benefits for present Active Members that will become payable as the result of death, disability, retirement or termination. This cost is then spread as a level percentage of earnings from entry age to termination for each individual. If Normal Costs had been paid at this level for all prior years, a fund would have accumulated. Because this fund represents the portion of benefits that would have been funded to date, it is termed the Accrued Liability. In fact, it is calculated by adding the present value of benefits for Members in Pay Status and Terminated Members to the present value of benefits for Active Members and subtracting the present value of future Normal Cost contributions.

The funding cost of the Plan is derived by making certain specific assumptions as to rates of interest, mortality, turnover, etc. which are assumed to hold for many years into the future. Since actual experience may differ somewhat from the assumptions, the costs determined by the valuation must be regarded as estimates of the true costs of the Plan.

### Asset Smoothing Method

The Actuarial Value of Assets is determined by recognizing market gains and losses non-asymptotically over a five year period.

### Amortization Method

The Unfunded Accrued Liability is the excess of the Accrued Liability less the Actuarial Value of Assets. This Unfunded Accrued Liability is amortized as a level percent over a closed period of 22 years beginning July 1, 2021; the amortization period will decrease each year until it reaches 10 years, after which point it will remain at 10 years.

### Long-Range Forecast

The long-range forecasts included in this report have been developed by assuming that members will terminate, retire, become disabled, and die according to the actuarial assumptions with respect to these causes of decrement, and that pay increases, cost of living adjustments, and so forth will likewise occur according to the actuarial assumptions.

## Appendix B - Actuarial Assumptions

The retirement assumption used in this valuation was set based on a formal study of the plan's experience for the period July 1, 2018 - June 30, 2024. All other assumptions are based on industry standard published tables and data, the particular characteristics of the plan, relevant information from the plan sponsor or other sources about future expectations, and our professional judgment regarding future plan experience. We believe the assumptions are reasonable for the contingencies they are measuring, and are not anticipated to produce significant cumulative actuarial gains or losses over the measurement period.

<b>Interest Rate</b>	6.50%
<b>Inflation</b>	2.75%
<b>Amortization Growth Rate</b>	3.25%
<b>Salary Scale</b>	3.50%
<b>Cost of Living Adjustments</b>	2.25%
<b>Expenses</b>	Prior year's expenses plus 3%, rounded to the nearest \$100.
<b>Mortality</b>	PubG-2010 Mortality Table with generational projection per the MP-2021 Ultimate Scale, with employee rates before benefit commencement and healthy or disabled annuitant rates after benefit commencement. This assumption includes a margin for improvements in longevity beyond the valuation date.
<b>Turnover</b>	According to the Crocker-Sarason T9 Table:

Age	Rate
20	17.95%
30	15.85%
40	11.27%
50	5.10%

## Appendix B - Actuarial Assumptions

### Retirement

Current:  
40% at first eligibility for Normal Retirement.  
At all other ages:

Age	Rate
55-60	3.5%
61-64	10.0%
65-66	20.0%
67	45.0%
68-74	15.0%
75+	100.0%

Prior:  
15% at age 55 with 10 years of service.  
40% at the earlier of age 55 with 30 years of service or age 65.  
At all other ages:

Age	Rate
56-59	10%
60-61	20%
62-69	30%
70	100%

### Disability

50% of the 1985 Pension Class 1 Table:

Age	Male	Female
25	0.02%	0.02%
35	0.03%	0.07%
45	0.10%	0.16%
55	0.36%	0.48%
65	0.88%	0.68%

100% of all disabilities are assumed to be non-service connected.

### Form of Annuity

3 Year Certain and Life as an approximation to Modified Cash Refund.

## Appendix C - Summary of Plan Provisions

This exhibit summarizes the major provisions of the Plan. It is not intended to be, nor should it be interpreted as a complete statement of all plan provisions. All eligibility requirements and benefit amounts shall be determined in strict accordance with the plan document itself. To the extent that this summary does not accurately reflect the plan provisions, then the results of this valuation may not be accurate.

<b>Eligibility</b>	All employees of the Town who were covered under the Connecticut Municipal Employees' Retirement Fund A on June 30, 1971 are included in the Plan. New employees shall be included on date of hire. The plan is closed to all new employees on or after July 1, 2014.
<b>Employee Contributions</b>	Board of Education employees: 4.50% of earnings. All other employees: 5.00% of earnings.  Employee Contributions will be credited at the rate of 4% per year through December 31, 1978 and 6% per year thereafter.
	A refund of Employee Contributions with interest to the date of termination of employment or death is paid, unless the employee is eligible for a deferred retirement benefit.
<b>Credited Service</b>	Years and months of continuous service. Food Service employees will not receive service prior to February 19, 1986 and members of the Windsor Paraprofessional Employees Association will not receive service for years prior to September 1, 1990.
<b>Final Average Earnings</b>	Highest average earnings including overtime, longevity pay and any other form of additional compensation received in any 36 consecutive months out of the last 120 months of employment months prior to the earlier of age 65 or termination of employment.
<b>Normal Retirement Date</b>	The earlier of age 65, age 55 with 30 years of Credited Service, or any age with 35 years of Credited Service for employees who were participants on or before December 31, 1979.
<b>Normal Retirement Benefit</b>	1.75% of Final Average Earnings multiplied by Credited Service.  For employees who were members as of October 9, 1998, retirement benefits will not be less than the amount determined under the pre-October 9, 1998 formula.
<b>Early Retirement Date</b>	Age 55 and 10 years of Credited Service.
<b>Early Retirement Benefit</b>	Benefit is based on Credited Service and Final Average Earnings to actual retirement date reduced by 6.7% for the first 5 years and 3.3% for each of the next 5 years by which Early Retirement Date precedes Normal Retirement Date.

## Appendix C - Summary of Plan Provisions

<b>Deferred Retirement Date</b>	Members may continue to work beyond Normal Retirement.
<b>Deferred Retirement Benefit</b>	Benefit based on Credited Service and Final Average Earnings to Deferred Retirement Date.
<b>Preretirement Death Benefit</b>	Accumulated Employee Contributions in lieu of all benefits.
<b>Disability Retirement Service Connected</b>	Greater of Normal Retirement Benefit calculated using Credited Service and Final Average Earnings through date of disability, or 50% of Monthly Earnings averaged over the 12 months preceding disability.
<b>Disability Retirement Non-Service Connected</b>	If the Member has 10 years of Service, Normal Retirement Benefit calculated using Credited Service and Final Average Earnings through date of disability.
<b>Disability Minimum Benefit</b>	\$300 per month.
<b>Disability Maximum Benefit</b>	75% of Final Average Earnings including non-plan disability earnings from Employer sources.
<b>Vesting</b>	A member is 100% vested after 5 years of Credited Service.
<b>Termination Benefit</b>	Normal Retirement Benefit calculated using Credited Service and Final Average Earnings through date of termination.
	All benefits are forfeited upon the withdrawal of Employee Contributions.
<b>Normal Form of Benefit</b>	Modified Cash Refund.
<b>Cost of Living Adjustment</b>	Benefits will increase annually based on increases in the Cost of Living Adjustment that applies to primary insurance amounts under the federal Social Security Act.

## Appendix D - Risk Disclosure - Introduction

The results of this actuarial valuation are based on one set of reasonable assumptions. However, it is almost certain that future experience will not exactly match these assumptions. As an example, the plan's investments may perform better or worse than assumed in any single year and over any longer time horizon. It is therefore important to consider the potential impacts of these likely differences when making decisions that may affect the future financial health of the plan, or of the plan's members.

In addition, as plans mature they accumulate larger pools of assets and liabilities. The increase in size in turn increases the potential magnitude of adverse experience. As an example, the dollar impact of a 10% investment loss on a plan with \$1 billion in assets and liabilities is much greater than the dollar impact for a plan with \$1 million in assets and liabilities. Since pension plans make long-term promises and rely on long-term funding, it is important to consider how mature the plan is today, and how mature it may become in the future.

Actuarial Standard of Practice No. 51 (ASOP 51) directs actuaries to provide pension plan sponsors with information concerning the risks associated with the plan:

- Identify risks that may be significant to the plan.
- Assess the risks identified as significant to the plan. The assessment does not need to include numerical calculations.
- Disclose plan maturity measures and historical information that are significant to understanding the plan's risks.

This section of the report uses the framework of ASOP 51 to communicate important information about significant risks to the plan, the plan's maturity, and relevant historical plan data.

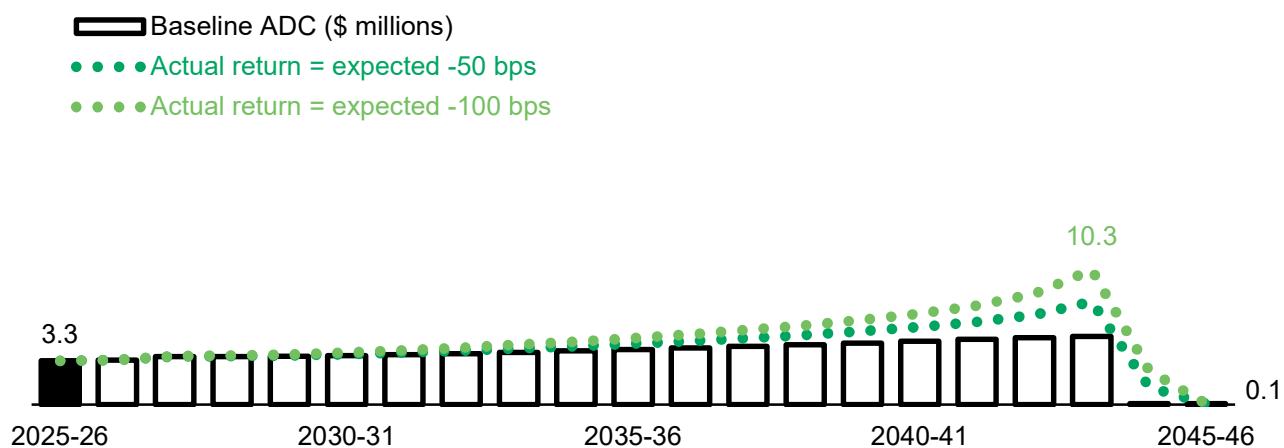
Please see Appendix A for more information on the basis for the projected results shown on the following pages.

## Appendix D - Risk Disclosure - Identification and Assessment

### Investment Risk

Definition: This is the potential that investment returns will be different than expected.

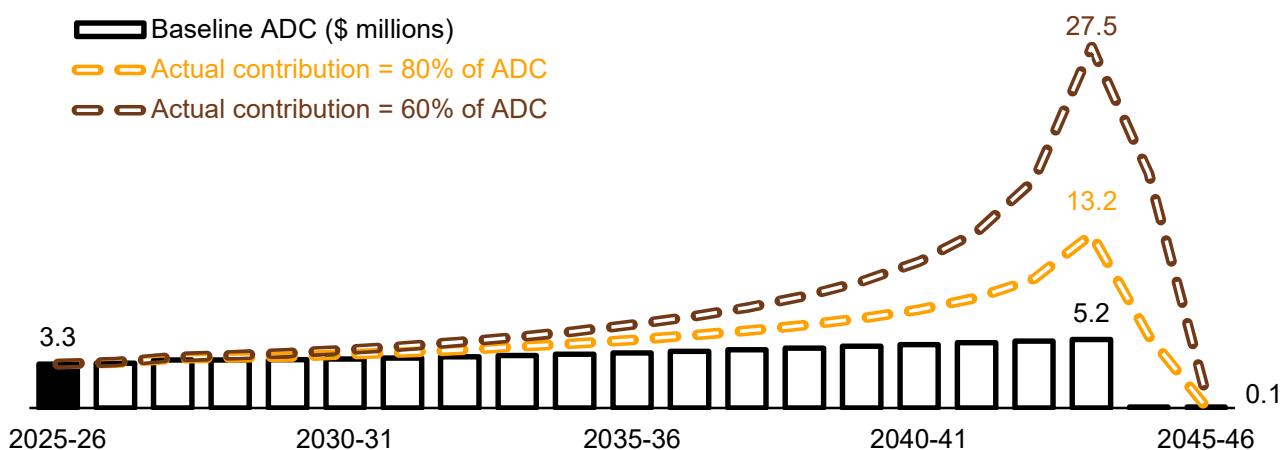
Identification: To the extent that actual investment returns differ from the assumed investment return, the plan's future assets, Actuarially Determined Contributions, and funded status may differ significantly from those presented in this valuation. The consequences of persistent underperformance on future Actuarially Determined Contribution levels are illustrated below:



### Contribution Risk

Definition: This is the potential that actual future contributions will be less than the Actuarially Determined Contribution.

Identification: Over the past 11 years, actual contributions have been 100.1% of the Actuarially Determined Contribution in total. The consequences of persistent underfunding on future Actuarially Determined Contribution levels are illustrated below:



## Appendix D - Risk Disclosure - Identification and Assessment

### Liquidity Risk

**Definition:** This is the potential that assets must be liquidated at a loss earlier than planned in order to pay for the plan's benefits and operating costs. This risk is heightened for plans with negative cash flows, in which contributions are not sufficient to cover benefit payments plus expenses.

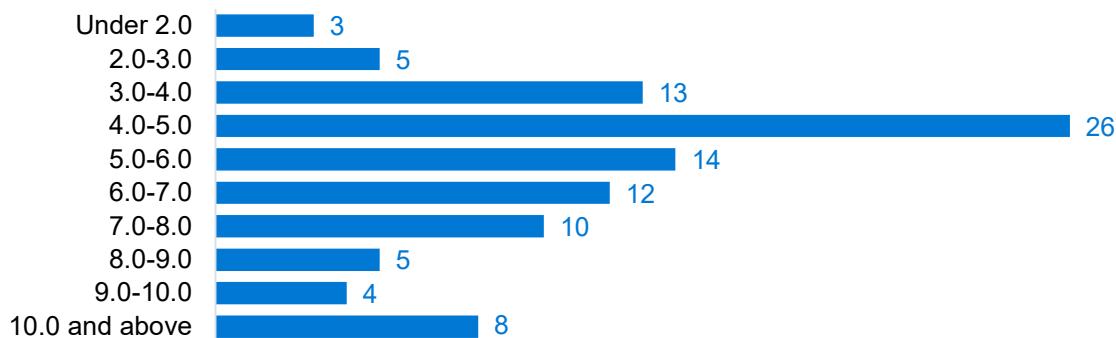
**Identification:** In 2023-24, the plan had negative cash flow, with town contributions and member contributions to the plan of \$3,206,183 compared to \$6,542,269 of benefit payments and administrative expenses paid out of the plan. We suggest that you consult with your investment advisors with respect to the liquidity characteristics of the plan's investment holdings.

### Maturity Risk

**Definition:** This is the potential for total plan liabilities to become more heavily weighted toward inactive liabilities over time, and for plan assets and/or liabilities to become larger relative to the liability for active members.

**Identification:** The plan is subject to maturity risk because as plan assets and liabilities continue to grow, the dollar impact of any gains or losses on the assets or liabilities also becomes larger.

**Assessment:** As of July 1, 2024, the plan's Asset Volatility Ratio (the ratio of the market value of plan assets to payroll) is 9.2. According to Milliman's 2023 Public Pension Funding Study, the 100 largest US public pension plans have the following range of Asset Volatility Ratios:



### Inflation Risk

**Definition:** This is the potential for a pension to lose purchasing power over time due to inflation.

**Identification:** The members of pension plans without fully inflation-indexed benefits are subject to the risk that their purchasing power will be reduced over time due to inflation.

**Assessment:** This plan provides for postretirement benefit increases that directly tie to each year's rate of actual inflation, so members are protected from inflation risk.

## Appendix D - Risk Disclosure - Identification and Assessment

### Insolvency Risk

Definition: This is the potential that a plan will become insolvent; that is, assets will be fully depleted.

Identification: If a plan becomes insolvent, contractually required benefits must be paid from the plan sponsor's other remaining assets.

Assessment: Under the GASB 68 depletion date methodology, the plan is not projected to become insolvent. Please see the GASB 68 report for more details on the underlying analysis.

### Demographic Risks

Definition: This is the potential that mortality, turnover, retirement, or other demographic experience will be different than expected.

Identification: The pension liabilities reported herein have been calculated by assuming that members will follow patterns of demographic experience as described in Appendix B. If actual demographic experience or future demographic assumptions are different from what is assumed to occur in this valuation, future pension liabilities, Actuarially Determined Contribution, and funded status may differ significantly from those presented in this valuation. Formal Experience Studies performed on a regular basis are helpful in ensuring that the demographic assumptions reflect emerging plan experience.

### Retirement Risk

Definition: This is the potential for members to retire and receive subsidized benefits that are more valuable than expected.

Identification: This plan has valuable early retirement benefits. If active members retire at earlier ages than are anticipated by the actuarial assumptions, this will put upward pressure on subsequent Actuarially Determined Contribution

### Pensionable Earnings Risk

Definition: This is the potential for active members to add items to their pensionable earnings and receive pension benefits that are higher than expected.

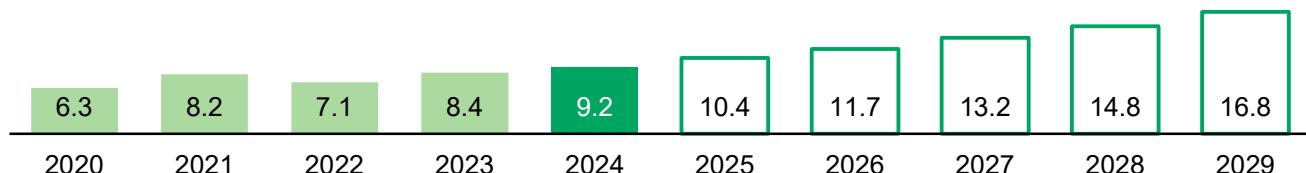
Identification: Pensionable earnings for this plan includes overtime, longevity, and payment for up to 30 vacation days.

Assessment: If members earn unusual amounts of overtime in years just prior to retirement, this will put upward pressure on subsequent Actuarially Determined Contributions.

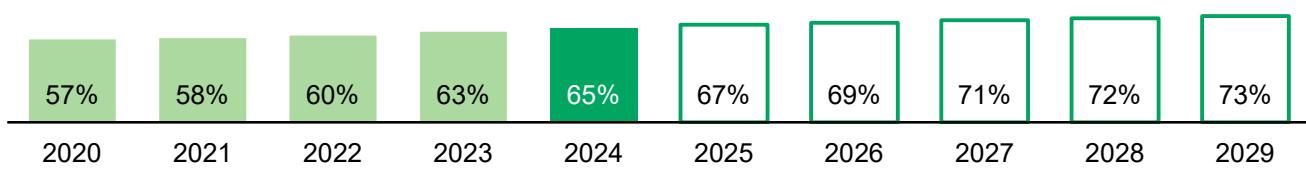
## Appendix D - Risk Disclosure - Maturity Metrics

The metrics presented below are different ways of understanding the plan's maturity level, both in the past and as it is expected to change in the coming years.

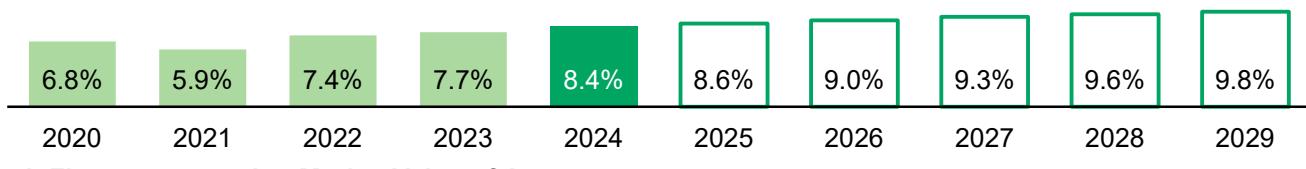
### Asset Volatility Ratio: Market Value of Assets compared to Payroll



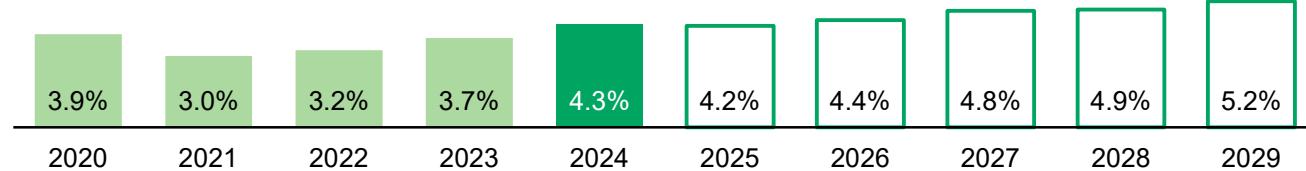
### Accrued Liability for Members in Pay Status compared to total Accrued Liability



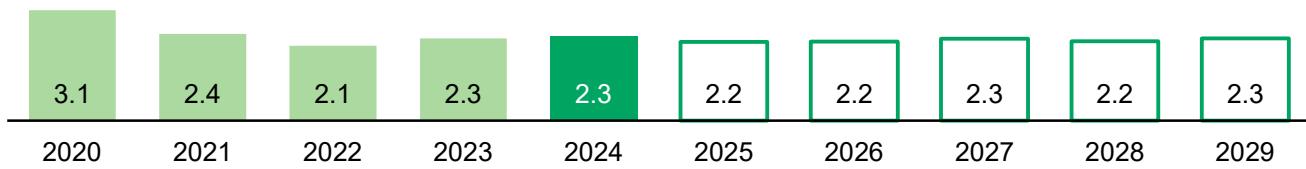
### Benefit Payments compared to Market Value of Assets



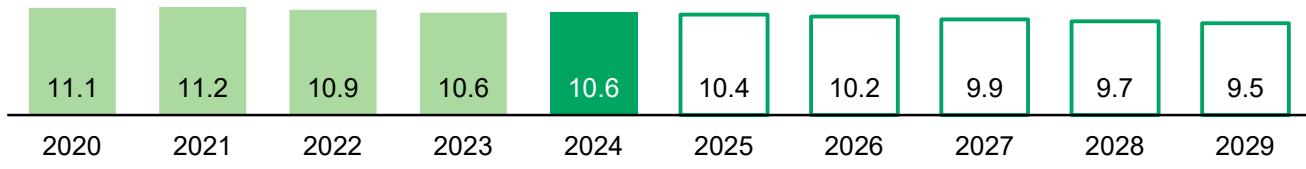
### Net Cash Flows compared to Market Value of Assets



### Benefit Payments compared to Town Contributions



### Duration of Accrued Liability (based on GASB 68 sensitivity disclosures)



## Appendix E - Glossary

<b>Actuarial Cost Method</b>	This is a procedure for determining the Actuarial Present Value of Benefits and allocating it to time periods to produce the Accrued Liability and the Normal Cost.
<b>Accrued Liability</b>	This is the portion of the Actuarial Present Value of Benefits attributable to periods prior to the valuation date by the Actuarial Cost Method (i.e., that portion not provided by future Normal Costs).
<b>Actuarial Assumptions</b>	With any valuation of future benefits, assumptions of anticipated future events are required. If actual events differ from the assumptions made, the actual cost of the plan will vary as well. Some examples of key assumptions include the interest rate, salary scale, and rates of mortality, turnover and retirement.
<b>Actuarial Present Value of Benefits</b>	This is the present value, as of the valuation date, of future payments for benefits and expenses under the Plan, where each payment is: a) multiplied by the probability of the event occurring on which the payment is conditioned, such as the probability of survival, death, disability, termination of employment, etc.; and b) discounted at the assumed interest rate.
<b>Actuarial Value of Assets</b>	This is the value of cash, investments and other property belonging to the plan, typically adjusted to recognize investment gains or losses over a period of years to dampen the impact of market volatility on the Actuarially Determined Contribution.
<b>Attribution Period</b>	The period of an active member's service to which the expected benefit obligation for that member is assigned. The beginning of the attribution period is the member's date of hire and costs are spread across all service.
<b>Interest Rate</b>	This is the long-term expected rate of return on any investments set aside to pay for the benefits. In a financial reporting context (e.g., GASB 68) this is termed the Discount Rate.
<b>Normal Cost</b>	This is the portion of the Actuarial Present Value of Benefits allocated to a valuation year by the Actuarial Cost Method.
<b>Past Service Cost</b>	This is a catch-up payment to fund the Unfunded Accrued Liability over time (generally 10 to 30 years). A closed amortization period is a specific number of years counted from one date and reducing to zero with the passage of time; an open amortization period is one that begins again or is recalculated at each valuation date. Also known as the Amortization Payment.
<b>Return on Plan Assets</b>	This is the actual investment return on plan assets during the fiscal year.
<b>Unfunded Accrued Liability</b>	This is the excess of the Accrued Liability over the Actuarial Value of Assets.