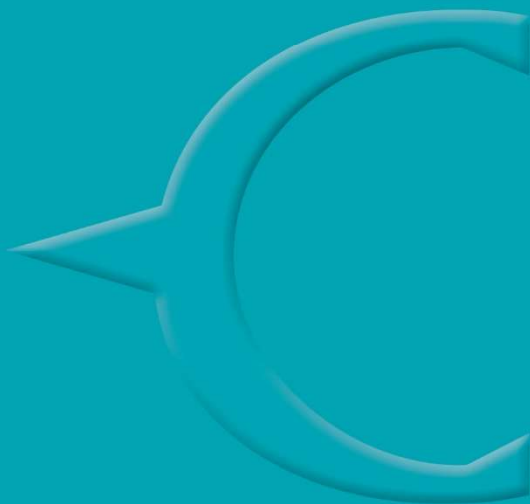




Maine Public Employees Retirement System

Judicial Retirement Program

Actuarial Valuation Report as of June 30, 2025

Produced by Cheiron

October 2025

TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
Letter of Transmittal	i
Foreword	ii
Section I Board Summary	1
Section II Risk Assessment and Disclosure	7
Section III Assets	12
Section IV Liabilities	17
Section V Contributions.....	21
Section VI Financial Disclosure Information	22
 <u>Appendices</u>	
Appendix A Membership Information	30
Appendix B Summary of Program Provisions	31
Appendix C Actuarial Assumptions and Methods	39
Appendix D Glossary of GASB Terms	47

October 9, 2025

Board of Trustees
Maine Public Employees Retirement System
PO Box 349
Augusta, Maine 04332-0349

Dear Members of the Board:

We are pleased to submit the June 30, 2025 Actuarial Valuation Report for the Judicial Retirement Program (Program) of the Maine Public Employees Retirement System (MainePERS or System).

The purpose of this report is to present the annual actuarial valuation of the Judicial Retirement Program of the Maine Public Employees Retirement System. This report contains information on assets, liabilities, and contributions of the Program, as well as required accounting statement disclosures under the Governmental Accounting Standards Board (GASB) Statement No. 67.

In preparing our report, we relied on information, some oral and some written, supplied by the System's staff. This information includes, but is not limited to, the Plan provisions, employee data, and financial information as of the valuation date. We performed an informal examination of the obvious characteristics of the data for reasonableness and consistency in accordance with Actuarial Standard of Practice No. 23, *Data Quality*.

Future results may differ significantly from the current results presented in this report due to such factors as the following: Program experience differing from that anticipated by the assumptions, changes in assumptions, and changes in Plan provisions or applicable law.

This report and its contents have been prepared in accordance with generally recognized and accepted actuarial principles and practices and our understanding of the Code of Professional Conduct and applicable Actuarial Standards of Practice set out by the Actuarial Standards Board as well as applicable laws and regulations. Furthermore, as credentialed actuaries, we meet the Qualification Standards of the American Academy of Actuaries to render the opinion contained in this report. This report does not address any contractual or legal issues. We are not attorneys, and our firm does not provide any legal services or advice.

This actuarial report was prepared exclusively for MainePERS for the purposes described herein and for the use by the Program auditor in completing an audit related to the matters herein. Other users of this report are not intended users as defined in the Actuarial Standards of Practice, and Cheiron assumes no duty or liability to such other users.

Sincerely,
Cheiron



Gregory A. Reardon, FSA, EA
Principal Consulting Actuary



Bonnie Rightnour, FSA, EA
Principal Consulting Actuary

cc: Gene Kalwarski, Cheiron
Fiona Liston, Cheiron
Kathleen Weaver, Cheiron

**MAINE PUBLIC EMPLOYEES RETIREMENT SYSTEM
MAINE JUDICIAL RETIREMENT PROGRAM
ACTUARIAL VALUATION AS OF JUNE 30, 2025**

FOREWORD

Cheiron has completed the Actuarial Valuation Report for the Maine Public Employees Retirement System (MainePERS or System) Judicial Retirement Program (Program) as of June 30, 2025. The purpose of this report is to:

- 1) Measure and disclose, as of the valuation date, the financial condition of the Program,
- 2) Examine historical Program trends,
- 3) Assess and disclose actuarial risks of the Program,
- 4) Report on the contribution rates developed in this valuation for informational purposes (Note: the actual contributions paid by the State for fiscal year (FY) 2025 were developed in the budgeting process in July 2022, based on a roll-forward of the June 30, 2021 valuation), and
- 5) Provide specific information required for MainePERS's financial disclosures.

An actuarial valuation establishes and analyzes assets and liabilities on a consistent basis and tracks the progress of both from one year to the next. It includes measurement of investment performance as well as an analysis of Actuarial Liability gains and losses.

Section I presents a summary containing our key findings, disclosing important Program trends in recent years, and providing analysis relating to the future status of the Program.

Section II assesses and discloses various actuarial risk measures of the Program.

Section III contains details on various asset measures, together with pertinent performance measurements.

Section IV shows similar information on liability measures for various purposes, including analysis of key changes in the measures.

Section V develops informational employer contribution rates to be compared to those established during the ratemaking process.

Section VI includes financial disclosure information.

Finally, we present appendices containing the following summaries:

- Program membership information at the valuation date (Appendix A),
- Major benefit provisions of the Program (Appendix B),
- Actuarial assumptions and methods used in the current valuation (Appendix C), and
- Terminology used in the Governmental Accounting Standards Board (GASB) disclosures (Appendix D).

**MAINE PUBLIC EMPLOYEES RETIREMENT SYSTEM
MAINE JUDICIAL RETIREMENT PROGRAM
ACTUARIAL VALUATION AS OF JUNE 30, 2025**

SECTION I – BOARD SUMMARY

General Comments

The annual employer contributions to this Program are determined on a biennial basis in even years. The contributions for fiscal year (FY) 2024 and FY 2025 were developed through this ratemaking process in 2022. The assets used in developing these rates were the preliminary June 30, 2022 assets. These were then combined with estimated liability measures as of June 30, 2022, developed as an adjustment (i.e., roll-forward) of the liabilities of the June 30, 2021 actuarial valuation. This adjustment included updating to reflect anticipated growth in benefits, reductions due to benefit payouts, and any changes in assumptions or benefits between the June 30, 2021 valuation date and the June 30, 2022 measurement date. Similarly, the contributions for FY 2026 and FY 2027 were developed in July of 2024 and were based on estimated assets as of June 30, 2024 and estimated June 30, 2024 liabilities based on a roll-forward of the June 30, 2023 actuarial valuation liabilities.

The results of this June 30, 2025 valuation will be adjusted to a June 30, 2026 measurement date after reflecting any changes in assumptions adopted by the Board in the spring of 2026, combined with preliminary assets as of June 30, 2026, and used as the basis for the applicable FY 2028 and FY 2029 employer contributions. Next year's June 30, 2026 valuation will be used primarily for accounting disclosures.

Experience from July 1, 2024 through June 30, 2025 (FY 2025)

With respect to investment experience for the fiscal year ending June 30, 2025, measured on a Market Value of Assets (MVA) basis, MainePERS experienced an investment return of positive 9.31%. This is more than the assumed rate of return assumption of 6.50%. Given the asset smoothing method in place, only one-third of that gain is recognized in the Actuarial Value of Assets (AVA). As a result, the AVA investment return for MainePERS was 7.96%. For this Program, when compared to the expected AVA using Program-specific cashflows translates to a gain for the year of \$1.315 million.

With respect to liability experience for the fiscal year ending June 30, 2025, the Program experienced a liability loss of \$0.799 million above the expected growth of \$1.439 million (a 1.0% growth in total liabilities beyond expected growth). Of this increase, approximately \$0.4 million was attributable to salaries and COLA exceeding assumed increases, with the remaining attributable to other demographic experience.

Combining the investment and liability experience produced a net experience gain of \$0.516 million. Because the UAL is amortized as a percentage of payroll and the payroll grew more than the surplus UAL grew, this translates to a decrease in the surplus UAL contribution rate. Combining this with an increase in the normal cost rate results in an informational total employer contribution of 4.99% of payroll as of June 30, 2025. This is an increase of 0.74% compared to the June 30, 2024 valuation contribution rate of 4.25% of payroll.

**MAINE PUBLIC EMPLOYEES RETIREMENT SYSTEM
MAINE JUDICIAL RETIREMENT PROGRAM
ACTUARIAL VALUATION AS OF JUNE 30, 2025**

SECTION I – BOARD SUMMARY

As of the June 30, 2025 valuation, the Program has an Unfunded Actuarial Liability (UAL) of (\$7.219) million (i.e., a surplus) based on the Actuarial Value of Assets (AVA). This represents an increase in the surplus position of \$0.120 million from the (\$7.099) million AVA UAL measured as of June 30, 2024. This compares to an expected decrease in the surplus position of \$0.396 million. The specific factors contributing to this change are presented in Table I-1. This table has separate columns showing the components of the changes in liabilities and the assets during FY 2025 as well as their combined effect on the UAL.

Table I-1 (Amounts in Millions)			
	Liabilities	Assets*	UAL
Value as of June 30, 2024	\$ 80.846	\$ 87.945	\$ (7.099)
Expected Change	1.439	1.043	0.396
Impact of Plan Changes	0.000	0.000	0.000
Impact of Assumption Changes	0.000	0.000	0.000
Recognized Investment Gain	0.000	1.315	(1.315)
Recognized Liability Loss	<u>0.799</u>	<u>0.000</u>	<u>0.799</u>
Value as of June 30, 2025	\$ 83.084	\$ 90.303	\$ (7.219)

* This table uses the Actuarial Value of Assets. Results would be different if the market value was used.

The remainder of this Board Summary section summarizes the Program’s historical trends and summarizes the principal results of the valuation. These principal results compare key results between this and last year’s valuations for member counts, assets and liabilities, and contribution rates.

Trends

It is important to take a step back from the latest results and view them in the context of the Program’s history. On the next few pages, we present a series of graphs that display key historical trends relating to the Program’s condition.

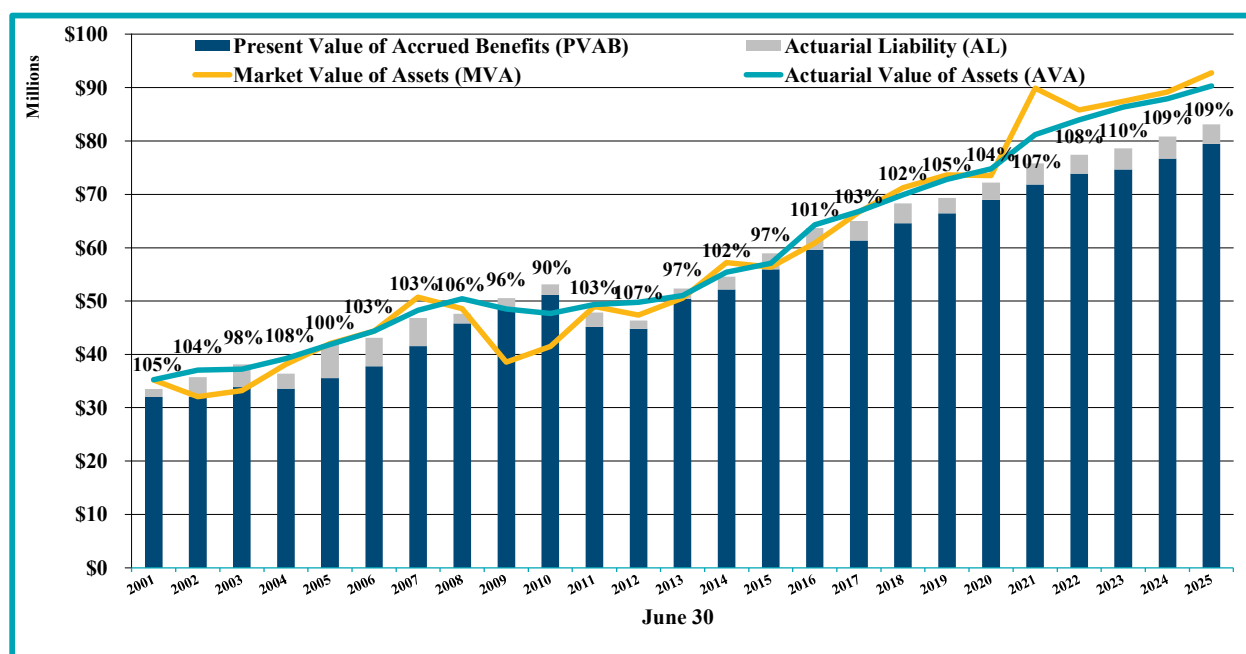
**MAINE PUBLIC EMPLOYEES RETIREMENT SYSTEM
MAINE JUDICIAL RETIREMENT PROGRAM
ACTUARIAL VALUATION AS OF JUNE 30, 2025**

SECTION I – BOARD SUMMARY

Assets and Liabilities

The following graph illustrates the progress of assets and liabilities for the Program since June 30, 2001, as well as the Program's funded ratio on an Actuarial Value of Assets (AVA) basis.

Liability measures are shown as bars as of June 30 of the indicated years. The Actuarial Liability (AL), the liability measure used for the Program's funding purposes, is represented by the top of the grey bars. The blue bars represent the Present Value of Accrued Benefits (PVAB). These liability measures are discussed further in Section IV. Measures of the assets are shown as lines. The AVA is shown with a teal line, while the Market Value of Assets (MVA) is shown as a yellow line. The AVA divided by the AL is the AVA funded ratio that is often used in evaluating the Program's funded status. The value of this metric at each valuation date is shown as the percentages in the graph labels.



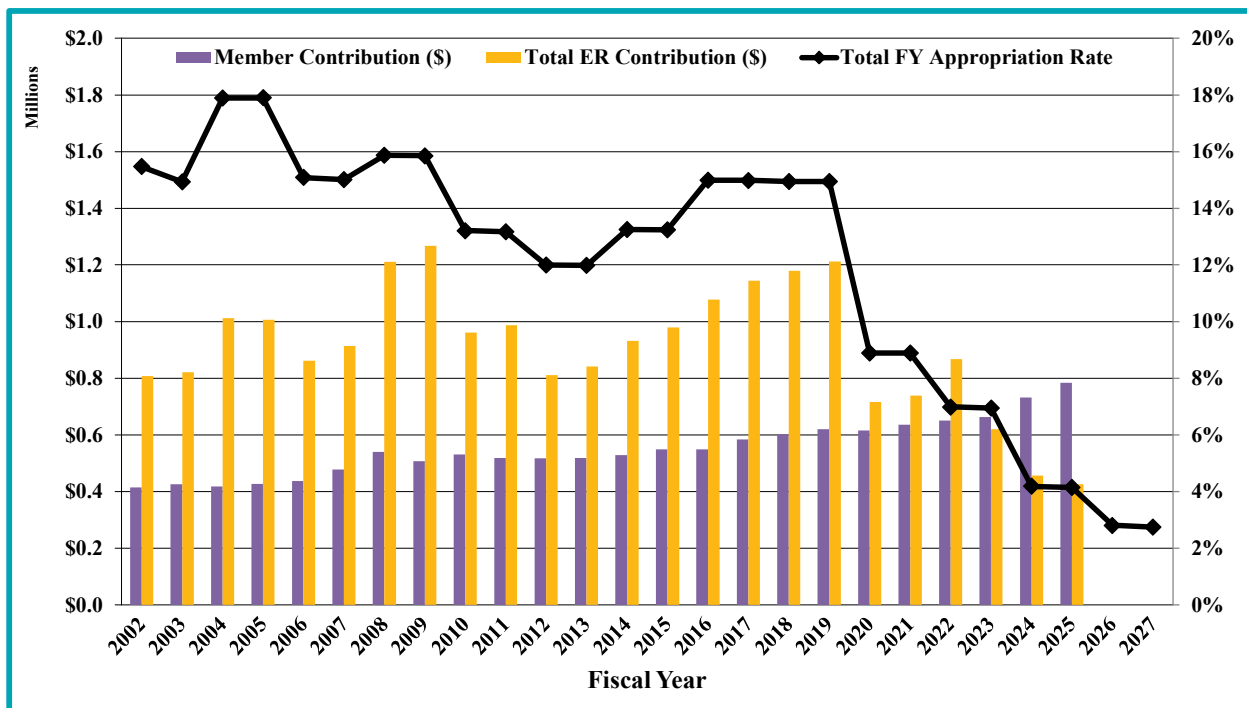
Plan changes were legislated during 2010 and first reflected in the 2011 valuation, resulting in the reduction in liability seen for that year. As of June 30, 2025, the Program's AVA-based funded ratio is 108.7%, which represents a slight decrease from the 108.8% ratio reported in the prior valuation. The 25-year history in the graph shows that over this period the Program has averaged over a 103% funded ratio on an AVA basis. Measured on an MVA basis, the funded ratio is 111.7% as of June 30, 2025.

**MAINE PUBLIC EMPLOYEES RETIREMENT SYSTEM
MAINE JUDICIAL RETIREMENT PROGRAM
ACTUARIAL VALUATION AS OF JUNE 30, 2025**

SECTION I – BOARD SUMMARY

Contributions

The next graph shows the history of contributions to the Program, both as dollar amounts and as percentages of payroll. The bars in this graph show the contributions made by both the employers and the members in dollar terms for each fiscal year (FY) since 2002. These bars are read using the left-hand axis. The black line shows the total appropriated employer contribution rate for the applicable FY as a percentage of payroll and references the right-hand axis. These rates are those determined by the ratemaking process rather than the informational rates determined in the annual valuations. The FY 2026 and FY 2027 contribution rates have already been determined based on the ratemaking process, so two additional years of the contribution rates are shown versus dollars received.



The member contribution rates are set by statute. The total employer contribution rate is set by the ratemaking process on a biennial basis. The contribution rate for FY 2025 was based on a roll-forward of the June 30, 2021 valuation to June 30, 2022, as previously described in this Board Summary.

The data has reflected purchased service amounts for a number of years, but it was not until the 2017 valuation that assets were transferred to cover those purchases. The impact of this transfer can be seen in the large decline in employer contribution rates between FY 2019 and FY 2020.

**MAINE PUBLIC EMPLOYEES RETIREMENT SYSTEM
MAINE JUDICIAL RETIREMENT PROGRAM
ACTUARIAL VALUATION AS OF JUNE 30, 2025**

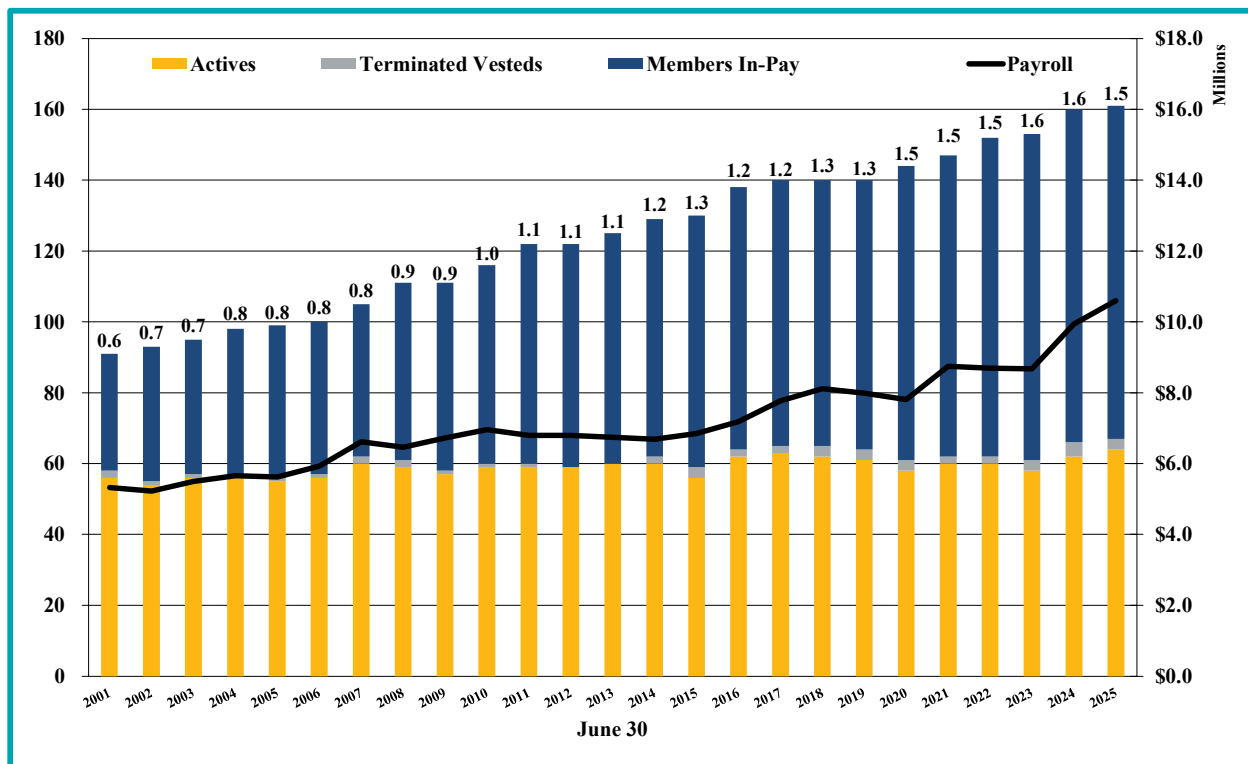
SECTION I – BOARD SUMMARY

Participant Trends

The stacked bars in the graph that follows show the number of active members, terminated vested members, and members in pay status covered by the Program as of June 30 of each year and is read using the left-hand axis of the graph. As with many funds in this country, there has been a steady growth in the number of retired members as the Program has matured.

The labels above each bar show the “support ratio,” which is the ratio of inactive members (members in pay status plus terminated vested members) to active members. This ratio has been generally increasing since 2001 for the Program. As this ratio grows, the cash flows (contributions less benefits and expenses) of a pension plan tend to become more negative. The more negative a plan’s cash flows, the more sensitive the plan is to volatile investment markets, resulting in a higher likelihood of contribution volatility.

The black line in the graph indicates the total active member covered payroll in the Program and is read using the right-hand axis of the graph. Generally, it has been gradually increasing or steady since 2001, with the exception of the larger increases in FYE 2021 and 2024.



**MAINE PUBLIC EMPLOYEES RETIREMENT SYSTEM
MAINE JUDICIAL RETIREMENT PROGRAM
ACTUARIAL VALUATION AS OF JUNE 30, 2025**

SECTION I – BOARD SUMMARY

Principal Results Summary

The last section of this Board Summary section of this Actuarial Valuation Report presents a summary of the principal results of the valuation, comparing key results between this and last year's valuations for member counts, assets and liabilities, and contribution rates.

Table I-2 Summary of Principal Results Judicial Retirement Program				
	Valuation as of June 30, 2024	Valuation as of June 30, 2025	% Change	
<u>Member Counts</u>				
Active Members	62	64	3.2%	
Retired Members	74	73	(1.4%)	
Beneficiaries of Retired Members	19	20	5.3%	
Survivors of Deceased Members	0	0	0.0%	
Disabled (Current and Former) Members	1	1	0.0%	
Terminated Vested Members	4	3	(25.0%)	
Inactives Due Refunds	<u>1</u>	<u>1</u>	0.0%	
Total Membership	161	162	0.6%	
Annual Payroll of Active Members	\$ 9,938,460	\$ 10,597,412	6.6%	
Annual Payments to Benefit Recipients	\$ 5,622,832	\$ 5,727,124	1.9%	
<u>Assets and Liabilities</u>				
Actuarial Liability (AL)	\$ 80,846,424	\$ 83,083,886	2.8%	
Actuarial Value of Assets (AVA)	<u>87,944,771</u>	<u>90,303,110</u>	2.7%	
Unfunded AL (UAL)	\$ (7,098,347)	\$ (7,219,224)	1.7%	
AVA Funded Ratio (AVA/AL)	108.8%	108.7%		
MVA Funded Ratio (MVA/AL)	110.3%	111.7%		
Accrued Benefit Liability (PVAB)	\$ 76,671,748	\$ 79,475,772	3.7%	
Market Value of Assets (MVA)	<u>89,203,285</u>	<u>92,775,619</u>	4.0%	
Unfunded PVAB	\$ (12,531,537)	\$ (13,299,847)	6.1%	
MVA Accrued Benefit Funded Ratio	116.3%	116.7%		
<u>Contributions as a Percentage of Payroll</u>				
Employer Normal Cost Rate	12.87%	13.21%		
UAL Amortization Rate	<u>(8.62)%</u>	<u>(8.22)%</u>		
Total Employer Rate	4.25%	4.99%		
	<u>2022 Ratemaking</u>		<u>2024 Ratemaking</u>	
Total Employer Budgeted Rates	FY 2024	4.19%	FY 2026	2.81%
Total Employer Budgeted Rates	FY 2025	4.15%	FY 2027	2.75%

**MAINE PUBLIC EMPLOYEES RETIREMENT SYSTEM
MAINE JUDICIAL RETIREMENT PROGRAM
ACTUARIAL VALUATION AS OF JUNE 30, 2025**

SECTION II – RISK ASSESSMENT AND DISCLOSURE

Introduction

The Program's actuarial valuation results are dependent on assumptions about future economic and demographic experience. Based on Actuarial Standards of Practice, these assumptions represent a reasonable estimate for future experience. However, the actual future experience will never conform exactly to these assumptions and may differ significantly from the assumptions. This deviation is a risk that pension plan sponsors bear in relying on a pension plan's actuarial valuation results.

This section of this report is intended to identify the primary drivers of these risks, provide background information and assessments about these identified risks, and communicate the significance of these risks to this Program. This section for this Program, as well as the Legislative Program, is limited in comparison to the risk sections for the two larger Programs, the State Employee and Teacher Retirement Program and the Participating Local District Retirement Program. This limitation reflects the relatively smaller nature of these two Programs as well as their robust funded statuses. It is thus our belief that the additional information that is included in the reports for the larger Programs would not be significantly beneficial in improving the Board's understanding of the identified risks for these two smaller Programs.

Identification of Risks

For this Program, the three primary valuation results that can significantly differ from those expected are the assets, the liabilities, and the employer contributions. While there are several factors that could lead to these results being different, we believe the primary risks for this Program are:

- Investment risk,
- Longevity and other demographic risks,
- Plan change risk, and
- Assumption change risk.

Other risks that we have not identified may also turn out to be significant.

**MAINE PUBLIC EMPLOYEES RETIREMENT SYSTEM
MAINE JUDICIAL RETIREMENT PROGRAM
ACTUARIAL VALUATION AS OF JUNE 30, 2025**

SECTION II – RISK ASSESSMENT AND DISCLOSURE

Investment Risk is the potential for investment returns to deviate from what is expected. When actual investment returns are lower than the investment assumption used in the actuarial valuation, the unfunded liability will increase from what was expected and will require higher contributions than otherwise anticipated. But, when actual returns exceed those assumed, the resulting unfunded liability measurements and Actuarially Determined Contributions will be lower than anticipated. As seen in the historical section that follows, this has been a significant driver of deviations in the actual measurements for this Program from those expected by the prior valuations.

Longevity and Other Demographic Risk is the potential for mortality or other demographic experience to be different than expected. Generally, longevity and other demographic risks emerge slowly over time as the actual experience deviates from expectations. In addition, the extensive number of assumptions related to longevity and other demographic experience often result in offsetting deviations contributing to the Program's overall liability experience. As such, these risks are often dwarfed by other risks, particularly those due to the investment returns. However, for small plans like this, there are relatively few members and so the behavior of individual members can have a significant impact on the liabilities. The following historical section shows that this is true for this Program in individual years, but these deviations have been offsetting such that the cumulative magnitude for the period shown is relatively minor.

Plan Change Risk is the potential for the provisions of the Program to be changed such that the funding or benefits are changed materially. In addition to the actual payments to and from the Program being changed, future valuation measurements can also be impacted, with Program changes leading to deviations between actual future measurements and those expected by prior valuations. For this Program, this risk is partially mitigated by the constitutional requirement that any Program changes creating new actuarial liabilities must be fully funded. Note that the Plan change that is shown in the 10-year history chart in this section is the result of a timing difference of when liabilities and assets were transferred to this Plan from other Programs – the result showing a liability loss in one year followed by a Plan change gain in the next.

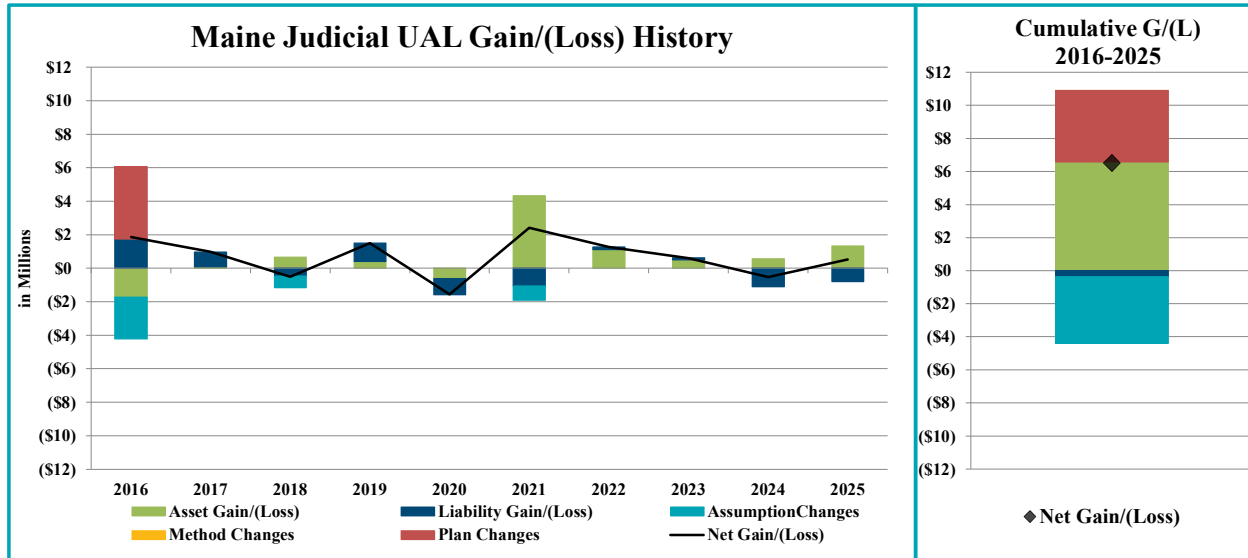
Assumption Change Risk is the potential for the environment to change such that future valuation assumptions are adjusted to be different than the current assumptions. For example, declines in interest rates over time may result in a change in the assumed rates of return used in the valuation. A healthier workforce may result in changes in employee behavior such that retirement rates are adjusted to reflect employees working longer. Assumption change risk is an extension of the risks previously identified, but rather than capturing the risk as it is experienced, it captures the cost of recognizing a change in the environment resulting in the current assumption no longer being reasonable. The historical review section will show that assumption change risk has been a significant risk for this Program.

**MAINE PUBLIC EMPLOYEES RETIREMENT SYSTEM
MAINE JUDICIAL RETIREMENT PROGRAM
ACTUARIAL VALUATION AS OF JUNE 30, 2025**

SECTION II – RISK ASSESSMENT AND DISCLOSURE

Historical Experience Deviations

In understanding the impact of some of these risks, it is useful to look at past experience deviations. These deviations are commonly referred to as actuarial gains and losses. The following graph shows the gains/(losses) at each valuation date between the actual and expected experience broken down by cause for the last 10 years.



As described previously and as evident in this graph, assumption changes, plan changes, and asset gains and losses have been the greatest sources of deviations for the Program cumulatively. While liability gains and losses have not been a significant source cumulatively for this period, they have been sources of significant risk in individual years.

Plan Maturity Measures

As pension plans become more mature, the primary risks of adverse investments, demographic deviations, plan changes, and assumption/method changes become of more significant concern as the resulting impacts on the Program's condition are more pronounced. As a result, it has become increasingly important to examine measures that indicate a pension plan's maturity level. With shrinking workforces, aging Baby Boomers, and retirees living longer, plans pay out more in benefits than they receive in contributions – leading to negative net cash flows, excluding investment income. This dynamic makes it harder for a plan to recover from losses since contributions are generally made based on active payroll.

**MAINE PUBLIC EMPLOYEES RETIREMENT SYSTEM
MAINE JUDICIAL RETIREMENT PROGRAM
ACTUARIAL VALUATION AS OF JUNE 30, 2025**

SECTION II – RISK ASSESSMENT AND DISCLOSURE

One of the main reasons risks are more amplified with a mature plan is that, when plans with negative net cash flows suffer investment losses, they need to liquidate enough assets to pay for benefits in excess of contributions. That means these plans will need to earn higher returns to rebuild their assets to the previous levels. Plans with negative net cash flows exceeding five percent of assets are especially vulnerable to asset losses.

The balance of this section discloses and examines three maturity measures: the asset leverage ratio, the liability leverage ratio, and the support ratio.

Asset Leverage Ratio

One important plan maturity measure is the asset leverage ratio, the Market Value of Assets divided by the plan's payroll. This measure represents the multiple of an asset loss as a percentage of payroll that would need to be contributed to make up a given change in the plan's assets. As a plan matures, its assets increase, and a greater proportion of the assets are paid out in benefit payments to members. The greater the plan's assets are relative to payroll, the more vulnerable the plan is to investment volatility in terms of the resulting contribution requirement changes.

As an example, here are two plans that both experience a 10% investment loss equaling \$500 million on their existing assets of five billion dollars. Plan A's asset leverage ratio is 10, and Plan B's ratio is five. This means that Plan A has to spread, or amortize, that loss over a payroll that is half as large as Plan B's. As seen in the chart below, this results in the percentage of payroll that Plan A would need to contribute to make up the loss being double what would be required for Plan B.

	(\$ in millions)	
	Plan A	Plan B
Plan Assets	\$ 5,000	\$ 5,000
Payroll	\$ 500	\$ 1,000
Asset Leverage Ratio	10.0	5.0
10% Loss	\$ 500	\$ 500
10% Loss as % of Payroll	100%	50%

This Program's asset leverage ratio rose above 9.0 in 2019 but has recently dropped down to 8.75 in 2025. This still represents a moderate increase overall in the Program's ratio over the past 20 years and as such, investment losses are equivalent to a greater proportion of payroll.

**MAINE PUBLIC EMPLOYEES RETIREMENT SYSTEM
MAINE JUDICIAL RETIREMENT PROGRAM
ACTUARIAL VALUATION AS OF JUNE 30, 2025**

SECTION II – RISK ASSESSMENT AND DISCLOSURE

Liability Leverage Ratio

Another leverage ratio that can be examined is the liability leverage ratio, the ratio of actuarial liabilities to payroll. The greater the plan's liabilities are relative to payroll, the more vulnerable the plan is to experience volatility. As previously discussed, the small nature of this Program means that the magnitude of liability gains and losses are often greater relative to the liabilities compared to what larger plans experience, so it is valuable to be aware of this ratio. For this Program, this metric was generally increasing for many years but has recently dropped and is now below the level in 2014, currently at approximately 7.8.

Support Ratios

Another commonly used measure of plan maturity is the support ratio, the ratio of in-pay and inactive members, or those receiving benefits or entitled to a deferred benefit, to the number of active members, or those currently accruing benefits in the plan. The greater this ratio, the more mature a plan is considered, with the proportion of the plan's liability represented by actives generally declining.

A graph of this ratio was shown in the prior section, which showed that this ratio has been generally increasing for this Program in recent years and is currently approximately 1.5 participants either in-pay or with a deferred benefit for each active member.

**MAINE PUBLIC EMPLOYEES RETIREMENT SYSTEM
MAINE JUDICIAL RETIREMENT PROGRAM
ACTUARIAL VALUATION AS OF JUNE 30, 2025**

SECTION III – ASSETS

Pension plan assets play a key role in the financial operation of plans and in the decisions that Trustees make with respect to future deployment of those assets. The level of assets, the allocation of assets among asset classes, and the methodology used to measure assets will likely affect benefit levels, employer contribution rates, and the ultimate security of members' benefits.

The assets for all Defined Benefit (DB) Programs administered by MainePERS are invested together. These Programs are the State Employee and Teacher Retirement Program, the Judicial Retirement Program that is valued in this report, the Legislative Retirement Program, and the Participating Local District (PLD) Retirement Program, including both the Consolidated Plan and the several Nonconsolidated PLDs. The assets of these Programs are entirely commingled for investment purposes, so the Actuarial Value of Assets (AVA) for each of these Programs is developed by first developing it for the entire asset pool and then subsequently allocating that total AVA to each of the specific Programs.

In this section, we present detailed information on the Program's assets including:

- Disclosure of total MainePERS DB assets at June 30, 2025,
- Statement of changes in total MainePERS DB market values during the year,
- Development of the total MainePERS DB Actuarial Value of Assets,
- Allocation of the total actuarial value to MainePERS DB Programs,
- Assessment of the total MainePERS DB investment performance, and
- Projection of expected cash flows for the Program for the next 10 years.

Disclosure

The Market Value of Assets (MVA) represents a "snap-shot" or "cash-out" value, which provides the principal basis for measuring financial performance from one year to the next. However, market values can fluctuate widely with corresponding swings in the marketplace, resulting in volatility in the resulting contributions if the unadjusted market value is used in the valuation process that develops the contributions. Therefore, a smoothed Actuarial Value of Assets is developed for use in the valuation process and for evaluating the Program's ongoing ability to meet its obligations. The actuarial value of the Program's assets is developed by allocating the actuarial value of the total MainePERS DB assets to each Program. This section discloses the market and actuarial values of the MainePERS DB assets both in total and for each Program.

**MAINE PUBLIC EMPLOYEES RETIREMENT SYSTEM
MAINE JUDICIAL RETIREMENT PROGRAM
ACTUARIAL VALUATION AS OF JUNE 30, 2025**

SECTION III – ASSETS

Table III-1 that follows develops the change in the Market Value of Assets for the total MainePERS DB assets during FY 2025.

Table III-1	
Changes in Market Value of Total MainePERS Defined Benefit (DB) Assets	
Market Value of Total MainePERS DB Assets – June 30, 2024	\$ 20,001,232,425
<u>Additions</u>	
Contributions:	
Employer Contributions	\$ 623,350,284
Member Contributions	271,600,794
Transfers	<u>(290,599)</u>
Total Contributions	\$ 894,660,479
Investment Income:	
Net Appreciation (Depreciation) in Fair Value of Investments	\$ 1,993,780,073
Interest on Bank Balances	<u>2,480,636</u>
Total Investment Income	\$ 1,996,260,709
Investment Activity Expenses:	
Management Fees	\$ (129,340,210)
Investment Related Expense	(5,843,331)
Banking Fees	<u>(23,013)</u>
Total Investment Activity Expenses	\$ (135,206,554)
Net Income from Investing Activities	\$ 1,861,054,155
Total Additions	\$ 2,755,714,634
<u>Deductions</u>	
Retirement Benefits	\$(1,240,699,364)
Disability Benefits	(24,470,473)
Survivor Benefits	(28,524,407)
Refunds	(34,979,611)
Administrative Expenses	<u>(19,557,769)</u>
Total Deductions	\$ (1,348,231,624)
<u>Total</u>	
Net Increase (Decrease)	\$ 1,407,483,010
Market Value of Total MainePERS DB Assets – June 30, 2025	\$ 21,408,715,435

**MAINE PUBLIC EMPLOYEES RETIREMENT SYSTEM
MAINE JUDICIAL RETIREMENT PROGRAM
ACTUARIAL VALUATION AS OF JUNE 30, 2025**

SECTION III – ASSETS

Actuarial Value of Total MainePERS DB Assets

Table III-2 that follows develops the Actuarial Value of Assets for the total MainePERS DB assets as of June 30, 2025 using the adopted actuarial valuation methodology.

Table III-2 Development of Actuarial Value of Total MainePERS Defined Benefit (DB) Assets as of June 30, 2025		
1.	Actuarial Value of Total MainePERS DB Assets at June 30, 2024	\$ 19,719,047,347
2.	Amount in (1) with Interest to June 30, 2025	21,000,785,425
3.	Total Contributions for FY 2025	894,660,479
4.	Interest on Contributions in (3), Assuming Received Uniformly throughout FY 2025	28,618,732
5.	Total Disbursements without Administrative Expenses for FY 2025	(1,328,673,855)
6.	Interest on Disbursements in (5), Assuming Payments made Uniformly throughout FY 2025	<u>(42,502,114)</u>
7.	Expected Value of Total MainePERS DB Assets at June 30, 2025 = (2) + (3) + (4) + (5) + (6)	\$ 20,552,888,667
8.	Actual Market Value of Total MainePERS DB Assets at June 30, 2025	21,408,715,435
9.	Excess of (8) Over (7)	<u>855,826,768</u>
10.	Actuarial Value of Total MainePERS DB Assets at June 30, 2025 = (7) + [33⅓% of (9)]	\$ 20,838,164,256

As discussed in the disclosure portion of this section, the Actuarial Value of Assets for the Program represents a “smoothed” value developed by the actuary to reduce, or eliminate, volatility in valuation results, particularly contribution rates that could develop from short-term fluctuations in the Market Value of Assets. Current actuarial methods employed in this Program use an allocated portion of the total Actuarial Value of Assets for the total MainePERS DB assets based on the Program’s Market Value of Assets to develop the Actuarial Value of Assets for the Program. The methodology for the total MainePERS DB assets sets the Actuarial Value of Assets equal to the expected value of the Actuarial Value of Assets plus one-third of the difference between the actual Market Value of Assets and the expected Actuarial Value of Assets. The expected value of the Actuarial Value of Assets takes the prior year’s Actuarial Value of Assets and adjusts it for contributions, disbursements, and expected interest earnings at the investment return assumption that was in effect for the previous year, 6.50% for this valuation. The previous table, Table III-2, illustrates the calculation of the Actuarial Value of Assets for the total MainePERS DB assets as of June 30, 2025.

**MAINE PUBLIC EMPLOYEES RETIREMENT SYSTEM
MAINE JUDICIAL RETIREMENT PROGRAM
ACTUARIAL VALUATION AS OF JUNE 30, 2025**

SECTION III – ASSETS

Allocation of Actuarial Value of Assets to the Program

The assets for the defined benefit (DB) Programs administered by MainePERS are commingled for investment purposes with the total Actuarial Value of Assets allocated to the individual Programs on the basis of the market value of the assets for each Program. An asset ratio (total MainePERS DB Actuarial Value of Assets divided by total MainePERS DB Market Value of Assets) is applied to the Market Value of Assets attributable to each of the Programs to determine its Actuarial Value of Assets as of the valuation date. The asset ratio derived in this June 30, 2025 valuation is 0.973350 ($\$20,838,164,256 \div \$21,408,715,435$). The allocation of actuarial value of the total MainePERS DB assets to each of the MainePERS DB Programs based on this asset ratio is shown in the following table.

Table III-3 Allocation of Actuarial Value of Total MainePERS DB Assets as of June 30, 2025		
Program	Market Value	Actuarial Value
Teachers	\$ 11,171,947,811	\$ 10,874,210,751
State (Regular & Special)	5,716,963,629	5,564,604,168
Judicial	92,775,619	90,303,110
Legislative	18,658,033	18,160,789
Participating Local Districts (Consolidated & Non-Consolidated)	<u>4,408,370,343</u>	<u>4,290,885,438</u>
Total	\$ 21,408,715,435	\$ 20,838,164,256

Investment Performance

The Market Value of Assets for the total MainePERS DB assets returned a positive 9.31% during FY 2025. This is greater than the assumed return of 6.50% for FY 2025. The equivalent market value returns for the total MainePERS DB assets for FY 2024 and FY 2023 were positive 7.43% and positive 6.05%, respectively.

On an Actuarial Value of Assets basis, the return for FY 2025 was a positive 7.96% for the total MainePERS DB assets. This return is less than the return on a market value basis but greater than the 6.50% assumption in effect for FY 2025. Therefore, this return gave rise to an investment gain on the total MainePERS DB assets this year.

**MAINE PUBLIC EMPLOYEES RETIREMENT SYSTEM
MAINE JUDICIAL RETIREMENT PROGRAM
ACTUARIAL VALUATION AS OF JUNE 30, 2025**

SECTION III – ASSETS

Cash Flow Projections

Table III-4 Projection of Judicial Program Benefit Payments and Contributions				
FY Ending June 30,	Expected Benefit Payments	Expected Employer Contributions	Expected Member Contributions	Total Expected Contributions
2026	\$ 6,155,800	\$ 297,800	\$ 810,700	\$ 1,108,500
2027	6,589,400	299,400	833,000	1,132,400
2028	6,872,900	307,700	855,900	1,163,600
2029	7,064,000	316,100	879,400	1,195,500
2030	7,221,400	324,800	903,600	1,228,400
2031	7,353,200	333,800	928,500	1,262,300
2032	7,446,200	342,900	954,000	1,296,900
2033	7,491,100	352,400	980,200	1,332,600
2034	7,502,100	362,100	1,007,200	1,369,300
2035	7,556,400	372,000	1,034,900	1,406,900

In Table III-4 above, we provide a projection of expected cash flows in and out of the Program for the next 10 years for informational purposes. The Board may share these projections with its investment advisor for consideration of the gap shown between the cash expected to come into the Program through employer and member contributions and the cash expected to be paid out of the Program to provide benefit payments.

The expected benefit payments in Table III-4 were developed using the data currently included in this valuation and on the assumption that the actuarial assumptions disclosed in Appendix C will be exactly met. Actual benefit payments will vary if members retire sooner or later than assumed, if salary increases and actual future post-retirement COLAs differ from those assumed, or if other assumptions differ from the actual experience seen. These benefit projections exclude any assumption about new Program participants, whose experience will eventually lead to increased benefit payments. However, we do not feel this exclusion will materially impact the projections for the period shown.

Expected employer contributions in this table use the budgeted contribution rates for FY 2026 through FY 2027 and assume payroll growth at 2.75% per year. Future contributions beyond that point are assumed to continue at the FY 2027 rate.

The expected member contributions are similarly based on a 2.75% per year assumed increase in covered payroll multiplied by the current average aggregate member contribution rate of 7.65% for FY 2026.

**MAINE PUBLIC EMPLOYEES RETIREMENT SYSTEM
MAINE JUDICIAL RETIREMENT PROGRAM
ACTUARIAL VALUATION AS OF JUNE 30, 2025**

SECTION IV – LIABILITIES

In this section, we present detailed information on Program liabilities including:

- Disclosure of the Program’s liabilities as of June 30, 2024 and June 30, 2025, and
- Statement of changes in these liabilities during the year.

Disclosure

Several types of liabilities are calculated and presented in this report. Each type is distinguished by the purpose for which the figures are ultimately used.

- **Present Value of Future Benefits (PVB):** Used for analyzing the overall financial obligations of the Program, this represents the amount of money needed today to fully fund all future benefits of the Program, assuming no new members, that active members continue to earn salary increases and accrue benefits under their current Program provisions, and that all actuarial assumptions are exactly met, including the 6.50% per year investment return.
- **Actuarial Liability (AL):** Used for funding calculations and GASB disclosures, this liability is calculated taking the PVB above and subtracting the value of accruals that are assigned to future years on a person-by-person basis. This offset is equal to the present value of future member contributions and future employer normal cost contributions under an acceptable actuarial cost method. For this Program and the other MainePERS DB Programs, the method used is referred to as the Entry Age Normal (EAN) Cost Method, which is the only permitted actuarial cost method for GASB disclosures.
- **Present Value of Accrued Benefits (PVAB):** Used for communicating the liabilities for benefits accrued as of the valuation date.

Table IV-1 that follows discloses each of these liabilities for the current and prior year’s valuations. With respect to the Actuarial Liability and the Present Value of Accrued Benefits, a subtraction of the appropriate value of the Program’s assets yields, for each respective type, a net surplus or an unfunded liability. For the PVB measure, it is compared to the Market Value of Assets plus the expected future value of contributions to the Program for current members. The future contributions are calculated assuming the current employer and member rates will be continued for all future years along with the expected future payroll as of each date. The difference between the PVB and these anticipated resources indicates either an expected shortfall or an expected surplus representing either additional funding required or excess funding and indicates the size of the Program’s stored gains or losses that remain outside of the valuation process currently.

We note that none of the liabilities presented in this report is an appropriate measure of a settlement liability.

**MAINE PUBLIC EMPLOYEES RETIREMENT SYSTEM
MAINE JUDICIAL RETIREMENT PROGRAM
ACTUARIAL VALUATION AS OF JUNE 30, 2025**

SECTION IV – LIABILITIES

Table IV-1 Disclosure of Liabilities		
	June 30, 2024	June 30, 2025
Present Value of Benefits (PVB)		
Active Member Benefits	\$ 39,892,918	\$ 43,555,831
Retired, Disabled, Survivor, and Beneficiary Benefits	51,028,645	51,698,115
Terminated Vested Benefits	1,998,314	1,172,296
Terminated Nonvested Benefits	<u>4,314</u>	<u>4,497</u>
Total PVB	\$ 92,924,191	\$ 96,430,739
 Market Value of Assets (MVA)	 \$ 89,203,285	 \$ 92,775,619
Future Member Contributions	4,807,338	5,211,561
Future Employer Contributions	989,293	1,780,085
Projected (Surplus)/Shortfall	<u>(2,075,725)</u>	<u>(3,336,526)</u>
Total Resources	\$ 92,924,191	\$ 96,430,739
 Actuarial Liability (AL)		
Present Value of Benefits (PVB)	\$ 92,924,191	\$ 96,430,739
Present Value of Future Normal Costs (PVFNC)		
Employer Portion	7,270,429	8,135,292
Member Portion	<u>4,807,338</u>	<u>5,211,561</u>
Actuarial Liability (AL = PVB – PVFNC)	\$ 80,846,424	\$ 83,083,886
Actuarial Value of Assets (AVA)	<u>87,944,771</u>	<u>90,303,110</u>
Net (Surplus)/Unfunded (AL – AVA)	\$ (7,098,347)	\$ (7,219,224)
 Present Value of Accrued Benefits (PVAB)		
Present Value of Future Benefits (PVB)	\$ 92,924,191	\$ 96,430,739
Present Value of Future Benefit Accruals (PVFBA)	<u>16,252,443</u>	<u>16,954,967</u>
Accrued Liability (PVAB = PVB – PVFBA)	\$ 76,671,748	\$ 79,475,772
Market Value of Assets (MVA)	<u>89,203,285</u>	<u>92,775,619</u>
Net (Surplus)/Unfunded (PVAB – MVA)	\$ (12,531,537)	\$ (13,299,847)

**MAINE PUBLIC EMPLOYEES RETIREMENT SYSTEM
MAINE JUDICIAL RETIREMENT PROGRAM
ACTUARIAL VALUATION AS OF JUNE 30, 2025**

SECTION IV – LIABILITIES

Low-Default-Risk Obligation Measure (LDROM)

The System invests in a diversified portfolio with the objective of maximizing investment returns at a reasonable level of risk. A low risk portfolio for a pension plan would be composed entirely of low-default-risk fixed income securities whose cash flows match the benefit cash flows of the System. Such a portfolio, however, would have a lower expected rate of return than the diversified portfolio. The LDROM represents what the funding liability would be if the System invested its assets in such a portfolio. As of June 30, 2025, we estimate that a portfolio composed only of US Treasury securities would have an expected return of 4.77% compared to the System's discount rate of 6.50%, and the LDROM would be \$96.1 million compared to the Actuarial Liability of \$83.1 million. The \$13.0 million difference represents the expected taxpayer savings from bearing the risk of investing in the diversified portfolio. Alternatively, it also represents the cost of eliminating the investment risk.

If the System were to invest in the LDROM portfolio, the reported funded status would decrease, and contribution requirements would increase. Benefit security for members of the Program relies on a combination of the assets in the System, the investment returns generated on those assets, and the promise of future contributions. If the System were to invest in the LDROM portfolio, it would not change the amount of assets currently in the System, but it would reduce expected future investment returns and increase expected future contributions. However, the range of future investment returns and future contributions needed would narrow significantly.

**MAINE PUBLIC EMPLOYEES RETIREMENT SYSTEM
MAINE JUDICIAL RETIREMENT PROGRAM
ACTUARIAL VALUATION AS OF JUNE 30, 2025**

SECTION IV – LIABILITIES

Changes in Liabilities

Each of the liabilities disclosed in Table IV-1 is expected to change at each subsequent valuation. The components of these changes, depending upon which liability is analyzed, can include:

- New Program members since the last valuation
- Benefits accrued since the last valuation
- Program amendments changing benefits since the last valuation
- Passage of time, which adds interest to the prior liability
- Benefits paid to members since the last valuation
- Members retiring, terminating, or dying at rates different than expected since the last valuation
- Salaries changing at rates different than expected since the last valuation
- A change in actuarial assumptions since the last valuation
- A change in the actuarial cost method since the last valuation

Unfunded liability measurements will change because of all of the above, as well as due to changes in the Program's asset measurements resulting from:

- Contributions being different than expected
- Investment earnings being different than expected
- A change in the method used to measure the Program's assets in developing the unfunded liability measure since the last valuation

In each valuation, we report on those elements of change in the Program's liability measures that are of particular significance, potentially affecting the long-term financial outlook of the Program. In Table IV-2 that follows, we present key changes in the Program's liability measures since the last valuation.

Table IV-2			
	Present Value of Future Benefits	Actuarial Liability	Present Value of Accrued Benefits
Liability Measurement – June 30, 2024	\$ 92,924,191	\$ 80,846,424	\$ 76,671,748
Liability Measurement – June 30, 2025	<u>96,430,739</u>	<u>83,083,886</u>	<u>79,475,772</u>
Liability Measurement Increase/ (Decrease) Due to:	\$ 3,506,548	\$ 2,237,462	\$ 2,804,024
Program Amendment	\$ 0	\$ 0	\$ 0
Assumption Change	0	0	0
Actuarial (Gain)/Loss	N/C	798,920	N/C
Benefits Accumulated and Other Sources	\$ 3,506,548	\$ 1,438,542	\$ 2,804,024

N/C = Not calculated

**MAINE PUBLIC EMPLOYEES RETIREMENT SYSTEM
MAINE JUDICIAL RETIREMENT PROGRAM
ACTUARIAL VALUATION AS OF JUNE 30, 2025**

SECTION V – CONTRIBUTIONS

In this section, we present detailed information on informational employer contribution rates as developed in this June 30, 2025 valuation for the Program, including the development of the employer contribution rate, comprised of the employer normal cost rate and the Unfunded Actuarial Liability (UAL) amortization rate (UAL amortization rate).

Note that these contribution rates are only informational, and the actual contribution rates are set by the budgeting process described in the Board Summary at the beginning of this report.

Description of Rate Components

For this Program, the funding methodology employed to determine the employer contribution rates is the Entry Age Normal (EAN) Cost Method. Under this method, there are two components to the total employer contribution rate: the employer's normal cost rate (NC rate) and the UAL amortization rate (UAL amortization rate).

An individual EAN cost rate is determined for each active member. The normal cost is determined by the following steps. First, an individual normal cost rate for each member is determined by taking the value of their projected future benefits, as of entry age into the Program. Second, this value is then divided by the value, also at entry age, of the member's expected future salary. Finally, the resulting total normal cost rate is reduced by the member contribution rate to produce the employer's normal cost rate for the member. These rates are then multiplied by each member's salary as of the valuation date and added together to get the total employer normal cost dollars as of the valuation date for the Program, which is then divided by the total payroll at the valuation date for the Program to get the employer normal cost rate for the Program.

The Unfunded Actuarial Liability under the EAN cost method equals the present value, at the time of valuation, of the future benefit payments less the present value of future employer normal cost contributions, future member contributions, and current assets. The UAL amortization rate is the percentage that when applied to member payroll, which is assumed to increase 2.75% per year, is expected to amortize the UAL according to the Program's amortization policy, which is an open 10-year period for this Program.

Contribution Calculations

Table V-1 below presents and compares the total employer contribution rate, as well as its two components, for the Program as developed in this valuation and the prior one.

Table V-1		
Judicial Total Employer Rate		
Valuation Date	June 30, 2024	June 30, 2025
Employer NC Rate	12.87%	13.21%
UAL Amortization Rate	<u>(8.62)%</u>	<u>(8.22)%</u>
Total Employer Rate	4.25%	4.99%

The rates developed in this section are for informational purposes only. Actual budgeted rates are set based on the ratemaking process described in the Board Summary section.

**MAINE PUBLIC EMPLOYEES RETIREMENT SYSTEM
MAINE JUDICIAL RETIREMENT PROGRAM
ACTUARIAL VALUATION AS OF JUNE 30, 2025**

SECTION VI – FINANCIAL DISCLOSURE INFORMATION

This section contains financial disclosure information regarding the Program developed under a number of accounting standards and guidance.

First, for informational purposes, we show the Program's funded status under the Financial Accounting Standards Board (FASB) ASC 960, which discloses how the Market Value of Assets would compare to accrued liabilities if contributions were to stop and accrued benefit claims had to be satisfied as of the valuation date. However, due to potential legal requirements and the possibility that alternative interest rates would have to be used to determine the liabilities, these values may not be a good indication of the amount of money it would take to buy the benefits for all members if all provisions of the Program were to terminate. We have prepared the following exhibit in this section based on FASB ASC 960:

- Table VI-1: Accrued Benefits Information

The Governmental Accounting Standards Board (GASB) Statement Nos. 67 and 68 establish standards for disclosure of pension information by public employee retirement systems (PERS) and governmental employers in financial statements, notes to financial statements, and supplementary information. We have prepared the following exhibits reflecting provisions of GASB Statement Nos. 67 and 68:

- Table VI-2: Schedule of Changes in Net Pension Liability and Related Ratios
- Table VI-3: Sensitivity of Net Pension Liability to Changes in Discount Rate
- Table VI-4: Schedule of Employer Contributions
- Table VI-5: Average Expected Remaining Service Lives

A summary of the terminology used in GASB Statement Nos. 67 and 68 is provided in Appendix D of this report. Note that while much of the information provided in this report under GASB No. 67 is also utilized in GASB No. 68, Table VI-5 included in this section is only applicable to GASB No. 68.

Finally, we have also developed disclosure information in this section based on additional guidance relating to the Annual Comprehensive Financial Reports (ACFR) of PERS provided by the Government Finance Officers Association (GFOA) in their publication, *Governmental Accounting, Auditing, and Financial Reporting* (GAAFR). We have prepared the following exhibits reflecting guidance in the GAAFR:

- Table VI-6: Analysis of Financial Experience
- Table VI-7: Schedule of Funded Liabilities by Type

The Present Value of Accrued Benefits, the Total Pension Liability (GASB 67/68), and the Actuarial Liability (GAAFR) disclosures in this section are all determined assuming that the Program is ongoing and participants continue to terminate employment, retire, etc., in accordance with the actuarial assumptions. Liabilities as of June 30, 2025 are discounted at the assumed valuation interest rate of 6.50% per annum in all of these disclosures.

**MAINE PUBLIC EMPLOYEES RETIREMENT SYSTEM
MAINE JUDICIAL RETIREMENT PROGRAM
ACTUARIAL VALUATION AS OF JUNE 30, 2025**

SECTION VI – FINANCIAL DISCLOSURE INFORMATION

Table VI-1 below includes the relevant amounts as of June 30, 2024 and June 30, 2025 as well as a reconciliation between the two dates under FASB ASC 960.

Table VI-1 Accrued Benefits Information		
FASB ASC 960 Basis	June 30, 2024	June 30, 2025
1. Present Value of Benefits Accrued to Date (PVAB)		
a. Members Currently Receiving Payments	\$ 51,028,645	\$ 51,698,115
b. Terminated Vested Members	1,998,314	1,172,296
c. Terminated Nonvested Members	4,314	4,497
d. Active Members	<u>23,640,475</u>	<u>26,600,864</u>
e. Total PVAB	\$ 76,671,748	\$ 79,475,772
2. Market Value of Assets (MVA)	<u>89,203,285</u>	<u>92,775,619</u>
3. Unfunded Present Value of Accrued Benefits, but not less than Zero	\$ 0	\$ 0
4. Ratio of MVA to PVAB (2)/(1)	116.3%	116.7%
Change in Present Value of Benefits Accrued to Date during FY 2025		
Increase/(Decrease) during Year Attributable to:		
Passage of Time		\$ 4,800,129
Benefits Paid		(5,737,550)
Assumption Changes		0
Program Changes		0
Benefits Accrued, Other Gains/Losses		<u>3,741,445</u>
Net Increase (Decrease)		\$ 2,804,024

Table VI-2 that follows shows the changes in the Total Pension Liability (TPL), the Program's Fiduciary Net Position (FNP) (i.e., fair value of the Program's net assets), and the Net Pension Liability (NPL) during the measurement year ending June 30, 2025, as well as related ratios calculated under the provisions of GASB Statement No. 67 for the Program.

As of the June 30, 2025 valuation, the Fiduciary Net Position for this Program was projected to be available to make all projected future benefit payments for current Program members. As such, the long-term expected rate of return on the Program's investments was applied to all periods of projected benefit payments in determining the Total Pension Liability under GASB Nos. 67 and 68. The projection of cash flows used to determine the discount rate assumed that member contributions will be made at the current contribution rate, and the employer contributions will be made according to the actuarial calculations developed in the biennial ratemaking process.

**MAINE PUBLIC EMPLOYEES RETIREMENT SYSTEM
MAINE JUDICIAL RETIREMENT PROGRAM
ACTUARIAL VALUATION AS OF JUNE 30, 2025**

SECTION VI – FINANCIAL DISCLOSURE INFORMATION

Table VI-2 Schedule of Changes in Net Pension Liability and Related Ratios FY 2025	
<u>Total Pension Liability (TPL)</u>	
Service Cost (SC)	\$ 2,039,372
Interest (includes Interest on SC)	5,136,720
Changes of Benefit Terms	0
Differences Between Actual and Expected Experience	798,920
Changes of Assumptions	0
Benefit Payments, including Refunds of Member Contributions	(5,737,550)
Net Change in TPL	\$ 2,237,462
Beginning of Year (BOY) TPL	<u>80,846,424</u>
End of Year (EOY) TPL	<u>\$ 83,083,886</u>
<u>Program Fiduciary Net Position (FNP)</u>	
Employer Contributions	\$ 425,640
Member Contributions	784,044
Transfers	0
Net Investment Income	8,186,745
Benefit Payments, including Refunds of Member Contributions	(5,737,550)
Administrative Expense	(86,545)
Net Change in FNP	\$ 3,572,334
BOY FNP	<u>89,203,285</u>
EOY FNP	<u>\$ 92,775,619</u>
EOY Net Pension Liability (NPL)	<u>\$ (9,691,733)</u>
FNP as a Percentage of TPL	111.7%
Covered Payroll*	\$ 10,256,386
NPL as a Percentage of Covered Payroll	(94.5)%

* For FY 2025

Notes to Schedule of Changes in Net Pension Liability and Related Ratios

None

**MAINE PUBLIC EMPLOYEES RETIREMENT SYSTEM
MAINE JUDICIAL RETIREMENT PROGRAM
ACTUARIAL VALUATION AS OF JUNE 30, 2025**

SECTION VI – FINANCIAL DISCLOSURE INFORMATION

A 10-year schedule of changes in NPL and related ratios is to be included within the ACFR for PERS. We have shown only the current year of this *Schedule of Changes in Net Pension Liability and Related Ratios* above and believe that you can accumulate the individual years in the MainePERS ACFRs to show the full 10-year schedule. Notes to this schedule should be included for any factors significantly impacting the trends reported within the period shown in this schedule at that time. As of June 30, 2025, we have not included suggested information for such a note in the *Notes to Schedule of Changes in Net Pension Liability and Related Ratios* above. However, it is our expectation that the System's staff will make the final determination regarding any notes needed for this schedule, and we are available to provide any information they may need for this purpose.

Table VI-3 below illustrates the sensitivity of the Net Pension Liability (NPL) to the discount rate. Changes in the discount rate affect the measurement of the Total Pension Liability (TPL) for the Program. Lower discount rates produce a higher TPL, and higher discount rates produce a lower TPL. Because the discount rate does not affect the measurement of assets, the percentage change in the Net Pension Liability (NPL) can be very significant for relatively small changes in the discount rate.

Table VI-3 Sensitivity of Net Pension Liability to Changes in Discount Rate FY 2025			
	1% Decrease 5.50%	Discount Rate 6.50%	1% Increase 7.50%
Total Pension Liability (TPL)	\$90,386,401	\$ 83,083,886	\$ 76,698,397
Program Fiduciary Net Position (FNP)	92,775,619	92,775,619	92,775,619
Net Pension Liability (NPL)	<u>\$ (2,389,218)</u>	<u>\$ (9,691,733)</u>	<u>\$ (16,077,222)</u>
FNP as a Percentage of TPL	102.6%	111.7%	121.0%

A one percent decrease in the discount rate increases the TPL by approximately 9% and increases the NPL by approximately 75%. A one percent increase in the discount rate decreases the TPL by approximately 8% and decreases the NPL by approximately 66%.

Table VI-4 that follows provides information relating to the employer contributions for the Program. Under GASB Statement No. 67, if an Actuarially Determined Contribution (ADC) or a contractually or statutorily required contribution (CRC) is developed for a single employer or cost-sharing plan, the following schedule is required. For purposes of this schedule, an ADC is a contribution amount determined in accordance with Actuarial Standards of Practice, and a CRC is based on statutory or contractual requirements. Both should exclude any amounts to finance specific liabilities of individual employers of the Program. If an ADC is available, the schedule of employer contributions should be developed on that basis. If there is no ADC, but there is a CRC, the schedule should be developed on that basis. Only if neither an ADC nor a CRC is developed can this schedule be omitted from the MainePERS's ACFR.

The Program's rates, set in the ratemaking process, meet the definition of an ADC, so for this Program, this schedule should be developed on that basis. Based on GASB guidance, a full 10 years of information should be shown in this schedule. We have shown only the current year

**MAINE PUBLIC EMPLOYEES RETIREMENT SYSTEM
MAINE JUDICIAL RETIREMENT PROGRAM
ACTUARIAL VALUATION AS OF JUNE 30, 2025**

SECTION VI – FINANCIAL DISCLOSURE INFORMATION

of this *Schedule of Employer Contributions* below and believe that you can accumulate these in the MainePERS ACFR to show the full 10-year schedule.

Only the current year of the *Notes to Schedule of Employer Contributions* below needs to be included in the notes to this schedule. However, any factors that significantly affect trends in the *Schedule of Employer Contributions* at any point in the 10-year period should also be included in the notes to this schedule. As of June 30, 2025, we have not included such a note in the *Notes to Schedule of Employer Contributions* below. However, it is our expectation that the System's staff will make the final determination regarding any notes needed for this schedule, and we are available to provide any additional information that they may need for this purpose.

Table VI-4 Schedule of Employer Contributions FY 2025	
Actuarially Determined Contribution (ADC)	\$ 425,640
Contributions in Relation to the ADC	<u>425,640</u>
Contribution Deficiency/(Excess)	<u>\$ 0</u>
Covered Payroll (Payroll)*	\$10,256,386
Contributions as a Percentage of Payroll	4.15%

* For FY 2025

Notes to Schedule of Employer Contributions

Valuation Date: June 30, 2021

Timing: June 30, 2025, ADC rates are calculated based on 2022 liabilities developed as a roll-forward of the 2021 valuation liability, adjusted for expected experience, and any assumption or methodology changes during FY 2022 using preliminary assets as of June 30, 2022.

Key Methods and Assumptions Used to Determine Contribution Rates

Actuarial Cost Method: Entry Age Normal

Asset Valuation Method: Three-year smoothed market

Amortization Method: Level percentage of payroll, open 10-year amortization

Discount Rate: 6.50%

Amortization
Growth Rate: 2.75%

Price Inflation: 2.75%

Salary Increases: 2.75%

**MAINE PUBLIC EMPLOYEES RETIREMENT SYSTEM
MAINE JUDICIAL RETIREMENT PROGRAM
ACTUARIAL VALUATION AS OF JUNE 30, 2025**

SECTION VI – FINANCIAL DISCLOSURE INFORMATION

Mortality: Healthy Retirees: 112.1% and 118.5% of the 2010 Public Plan General Benefits-Weighted Healthy Retiree Mortality Table, respectively, for males and females.

Active Lives: 83.5% and 88.6% of the 2010 Public Plan General Benefits-Weighted Employee Mortality Table, respectively, for males and females.

Disabled Annuitants: 107.3% and 103.2% of the 2010 Public Plan Non-Safety Benefits-Weighted Disabled Retiree Mortality Tables, respectively, for males and females.

All tables projected generationally from the 2010 base rates using the RPEC_2020 model with an ultimate rate of 1.00% for ages 80 and under, grading down to 0.05% at age 95, and further grading down to 0.00% at age 115, along with convergence to the ultimate rates in the year 2027.

A complete description of the methods and assumptions used to determine contribution rates for the year ending June 30, 2025 can be found in the June 30, 2022 Actuarial Valuation Report.

Other Information

None

Table VI-5 that follows is provided in this report at the request of MainePERS staff, showing the development of the average remaining service life for the Program. GASB Statement No. 68 requires some items be recognized by employers into pension expense over a period “equal to the average of the expected remaining service lives of all employees that are provided with pensions through the pension plan (active employees and inactive employees) determined as of the beginning of the measurement period.” For the current measurement year ending on June 30, 2025, these values are thus developed as of June 30, 2024. Note that the decision was made to use these averages based on rounding to the nearest whole year, so the values are thus shown as such.

Table VI-5 Average Expected Remaining Service Lives For Measurement Year Ending June 30, 2025			
Status	Total Expected Future Service	Count	Average Remaining Service Lives
Active Members	500	62	8
In-Pay Members	0	94	0
Terminated Vested Members	0	4	0
Inactives Due Refunds	<u>0</u>	<u>1</u>	<u>0</u>
Total Membership	500	161	3

**MAINE PUBLIC EMPLOYEES RETIREMENT SYSTEM
MAINE JUDICIAL RETIREMENT PROGRAM
ACTUARIAL VALUATION AS OF JUNE 30, 2025**

SECTION VI – FINANCIAL DISCLOSURE INFORMATION

Table VI-6 below is a gain/loss analysis of the changes in the Actuarial Liability over the past six years, reflecting variances between actual experience and assumed experience for different kinds of risk as specified in the GFOA GAAFR.

Table VI-6 Analysis of Financial Experience Gain and Loss in Actuarial Liability During Fiscal Years Ended June 30 Resulting from Differences Between Assumed Experience and Actual Experience						
Type of Activity	Gain (or Loss) For Fiscal Year Ended June 30, 2020	Gain (or Loss) For Fiscal Year Ended June 30, 2021	Gain (or Loss) For Fiscal Year Ended June 30, 2022	Gain (or Loss) For Fiscal Year Ended June 30, 2023	Gain (or Loss) For Fiscal Year Ended June 30, 2024	Gain (or Loss) For Fiscal Year Ended June 30, 2025
Investment Income	\$ (630,358)	\$ 4,321,879	\$ 1,106,736	\$ 498,070	\$ 556,957	\$ 1,314,634
Combined Liability Experience	<u>(942,561)</u>	<u>(1,066,613)</u>	<u>150,154</u>	<u>110,488</u>	<u>(1,098,347)</u>	<u>(798,920)</u>
Gain (or Loss) during Year from Financial Experience	(1,572,919)	3,255,266	1,256,890	608,558	(541,390)	515,714
Non-Recurring Items	<u>0</u>	<u>(836,266)</u>	<u>(273,590)</u>	<u>0</u>	<u>0</u>	<u>0</u>
Composite Gain (or Loss) During Year	\$ (1,572,919)	\$ 2,419,000	\$ 983,300	\$ 608,558	\$ (541,390)	\$ 515,714

**MAINE PUBLIC EMPLOYEES RETIREMENT SYSTEM
MAINE JUDICIAL RETIREMENT PROGRAM
ACTUARIAL VALUATION AS OF JUNE 30, 2025**

SECTION VI – FINANCIAL DISCLOSURE INFORMATION

Table VI-7 below compares the Program’s assets as of each valuation date shown to the Program’s Actuarial Liability divided into three separate groups: liabilities for contributions on deposit for current active members, liabilities for future benefits for inactive members, and employer-financed liabilities for current active members. This Schedule of Funded Liabilities by Type is used to assess funding progress based on what percentage of the liabilities for each of these groups the Program’s assets are sufficient to cover. Per GFOA guidance, this schedule is to include this assessment for the 10 most recent years, and notes to this schedule should be provided to explain any factors that affect the comparability of the data. We do not believe such a note is needed for the measurement year ending June 30, 2025, but it is our expectation that the System’s staff will make the final determination regarding any notes needed for this schedule.

Table VI-7 Schedule of Funded Liabilities by Type							
Aggregate Actuarial Liabilities for:					Portion of Actuarial Liabilities Covered by Reported Assets		
Valuation Date	(1) Active Member Contributions	(2) Retirees, Vested Terms, Beneficiaries	(3) Active Members (Employer Financed Portion)	Reported Assets*	(1)	(2)	(3)
June 30, 2025	\$ 11,641,716	\$ 52,874,908	\$ 18,567,262	\$ 90,303,110	100%	100%	100%
2024	12,031,356	53,031,273	15,783,795	87,944,771	100	100	100
2023	11,409,956	51,549,703	15,626,492	86,355,694	100	100	100
2022	12,044,397	50,810,744	14,570,544	83,932,655	100	100	100
2021	11,813,509	44,894,321	19,079,734	81,207,552	100	100	100
2020	12,368,756	43,098,408	16,729,946	74,766,188	100	100	100
2019	11,255,316	37,884,418	20,176,806	72,775,425	100	100	100
2018	11,180,063	36,854,246	20,257,615	69,934,400	100	100	100
2017	10,933,820	33,422,798	20,643,526	66,776,230	100	100	100
2016	10,592,002	33,418,288	19,710,981	64,265,782	100	100	100

* Reported assets are measured at actuarial value. Results would be different if the Market Value of Assets were used. Despite the name of this exhibit, the liabilities presented in this schedule are not an appropriate measurement of the settlement liability of the Program.

**MAINE PUBLIC EMPLOYEES RETIREMENT SYSTEM
MAINE JUDICIAL RETIREMENT PROGRAM
ACTUARIAL VALUATION AS OF JUNE 30, 2025**

APPENDIX A – MEMBERSHIP INFORMATION

Active Member Data as of June 30, 2025	
Count	64
Average Current Age	58.9
Average Benefit Service	12.9
Average Vesting Service	13.8
Average Valuation Pay	\$ 165,585

Non-Active Member Data as of June 30, 2025				
	<u>Count</u>	<u>Average Age</u>	<u>Total Annual Benefit</u>	<u>Average Annual Benefit</u>
Retired	73	76.9	\$ 4,929,283	\$ 67,524
Retired – Concurrent Beneficiary	6	73.6	88,272	14,712
Disability	1	79.6	42,165	42,165
Beneficiary of Above	14	83.5	667,403	47,672
Pre-Retirement Death Beneficiary	0	0.0	0	0
Terminated Vested	3	63.6	111,716	37,239
Inactive Due Refund	1	NA	NA	NA

	<u>Active Members</u>	<u>Retired Members</u>	<u>Beneficiaries of Retired Members</u>	<u>Survivors of Deceased Members</u>	<u>Disabled Members¹</u>	<u>Deferred Vested Members²</u>
As of June 30, 2024	62	74	19	0	1	4
New hires	4					
Rehires						
Movement between plans	0					
New retirees	(2)	3				(1)
New beneficiaries due to retirements			0			
New deferred vested members	0					0
Non-vested terminations	0					
Refunds	0					
Deaths, no future benefits	0	(3)	0			
Deaths with a survivor or beneficiary		(1)	1			
Benefits expired						
Data correction						
As of June 30, 2025	64	73	20	0	1	3

1. Former disabled retirees who have changed to service retirement as mandated by the Plan are still included as disabled members.

2. Deferred vested members includes those indicated to us in the data who have terminated and are eligible for a future annuity.

In preparing this report, we relied on data provided by MainePERS as modified following the procedures outlined in the State of Maine Data Processing Notebook. Adjustments to the data are made based on this Processing Notebook. Accuracy of the results is dependent on the completeness of the underlying information. The plan sponsor is responsible for the validity and completeness of the information provided. We believe the data provided as modified as documented in the Processing Notebook is sufficient for the actuarial analysis performed.

**MAINE PUBLIC EMPLOYEES RETIREMENT SYSTEM
MAINE JUDICIAL RETIREMENT PROGRAM
ACTUARIAL VALUATION AS OF JUNE 30, 2025**

APPENDIX B – SUMMARY OF PROGRAM PROVISIONS

1. Membership

Membership is a condition of employment for all judges serving on or after December 1, 1984.

Membership ceases on the earlier of withdrawal of contributions, retirement, or death.

Judges who retired prior to December 1, 1984 are covered under a different program.

2. Member Contributions

Members are required to contribute 7.65% of earnable compensation. Member contributions earn annual interest at the rate adopted by the Board of Trustees each February.

3. Average Final Compensation

For purposes of determining benefits payable, average final compensation is the average annual rate of earnable compensation for the three years of creditable service (not necessarily consecutive) that produce the highest such average.

For active judges as of July 1, 2003, July 1, 2004, and July 1, 2010, average final compensation shall be increased to reflect missed salary increases.

4. Creditable Service

Creditable service includes the following:

- A. All judicial service as a member after November 30, 1984,
- B. All judicial service before December 1, 1984,
- C. Service credited while receiving disability benefits under the Program, and
- D. All service creditable under the State Employee and Teacher Program provided the member elects to have the member's and the employer's contributions on behalf of such service transferred to the Judicial Program.

5. Service Retirement Benefits

Eligibility:

A. Eligibility for Members with at Least 10 Years of Creditable Service on July 1, 1993

- i. Eligibility for members in active service and inactive members:

25 years of creditable service.

**MAINE PUBLIC EMPLOYEES RETIREMENT SYSTEM
MAINE JUDICIAL RETIREMENT PROGRAM
ACTUARIAL VALUATION AS OF JUNE 30, 2025**

APPENDIX B – SUMMARY OF PROGRAM PROVISIONS

- ii. Eligibility alternative for members in active service:

Attainment of age 70 with at least one year of service immediately before retirement.

- iii. Eligibility for members not in active service at retirement and not in active service on or after October 1, 1999:

Attainment of age 60 and 10 years of creditable service.

- iv. Eligibility for members not in active service at retirement, but in active service on or after October 1, 1999:

Attainment of age 60 and five years of creditable service.

B. Eligibility for Members with Less Than 10 Years of Creditable Service on July 1, 1993

- i. Eligibility for members in active service and inactive members:

25 years of creditable service.

- ii. Eligibility alternative for members in active service:

Attainment of age 70 with at least one year of service immediately before retirement.

- iii. Eligibility for members not in active service at retirement and not in active service on or after October 1, 1999:

Attainment of age 62 with 10 years of creditable service.

- iv. Eligibility for members in active service on or after October 1, 1999:

Attainment of age 62 and five years of creditable service.

C. Eligibility for Members with Less Than Five Years of Creditable Service on July 1, 2011

- i. Eligibility for members in active service and inactive members:

25 years of creditable service.

- ii. Eligibility alternative for members in active service:

Attainment of age 70 with at least one year of service immediately before retirement.

**MAINE PUBLIC EMPLOYEES RETIREMENT SYSTEM
MAINE JUDICIAL RETIREMENT PROGRAM
ACTUARIAL VALUATION AS OF JUNE 30, 2025**

APPENDIX B – SUMMARY OF PROGRAM PROVISIONS

- iii. Eligibility for members not in active service at retirement and not in active service on or after October 1, 1999:

Attainment of age 65 with 10 years of creditable service.

- iv. Eligibility for members in active service on or after October 1, 1999:

Attainment of age 65 and five years of creditable service.

Benefit Sum of:

- (1) for service after November 30, 1984 and before July 1, 1998 and creditable service allowed under Section 1302(3), 2% of average final compensation multiplied by years of service,
- (2) for service on or after July 1, 1998, 3% of average final compensation multiplied by years of service, and
- (3) for judicial service prior to December 1, 1984, 75% of November 30, 1984 salary for the position held at retirement, pro-rated for prior service less than 10 years.

The benefit is reduced for retirement before age 60 at the approximate rates listed in the table below, for members with at least 10 years of creditable service on July 1, 1993.

Age	Reduction	Age	Reduction
45	29.3%	53	16.6%
46	28.0	54	14.6
47	26.6	55	12.5
48	25.2	56	10.3
49	23.6	57	7.9
50	22.0	58	5.4
51	20.3	59	2.8
52	18.5	60	0.0

The benefit is reduced for retirement before age 62 by 6% for each year the member's age is less than age 62, if less than 10 years creditable service on July 1, 1993, but at least five years creditable service on July 1, 2011.

The benefit is reduced for retirement before age 65 by 6% for each year the member's age is less than age 65, if less than five years of creditable service on July 1, 2011.

Maximum Benefit: Total benefit cannot exceed 70% of average final compensation except as provided under the minimum benefit provision.

Minimum Benefit: For a judge in service and age 50 or older on December 1, 1984, 75% of salary on June 30, 1984 for the position held at retirement, increased by 6% per year from

**MAINE PUBLIC EMPLOYEES RETIREMENT SYSTEM
MAINE JUDICIAL RETIREMENT PROGRAM
ACTUARIAL VALUATION AS OF JUNE 30, 2025**

APPENDIX B – SUMMARY OF PROGRAM PROVISIONS

June 30, 1984 to June 30, 1989 or retirement date if earlier, and increased beyond June 30, 1989 by the cost-of-living increase granted the previous September. Minimum benefit for all members is \$100 per month if at least 10 years of creditable service.

Form of Payment: Life annuity, except for a judge in service and age 50 before December 1, 1984, 50% joint and survivor annuity to surviving spouse.

6. Disability Retirement Benefits Other Than No-Age Benefits (See Item 7)

Eligibility: Disabled as defined in the Judicial Retirement Program statutes prior to normal retirement age, employed prior to October 16, 1992 and did not elect the No-Age Disability Benefits, and either disabled in the line-of-duty or disabled with at least five years of creditable service.

Benefit: 66⅔% of average final compensation, reduced by employment earnings over the specified statutory limit, and to the extent that the benefit, in combination with Workers' Compensation and Social Security, exceeds 80% of average final compensation.

Form of Payment: Payment begins upon the termination of service and ceases on cessation of disability or after two years, unless the member is unable to engage in any substantially gainful activity, in which case payments cease on the earlier of age 70 or the date that the service retirement benefit equals or exceeds the disability benefit.

Conversion to Service Retirement: During the period of disability, service is credited, and average final compensation is increased at the same rate as any cost-of-living adjustments for which the member is eligible (not subject to the COLA Cap) (see item 12). On the date when service benefits reach a level of 66⅔% of average final compensation or at age 70, if earlier, the disability converts to a service retirement benefit based on service and average final compensation at that time.

7. No-Age Disability Retirement Benefits

Eligibility: Disabled as defined in the Judicial Retirement Program statutes, employed on or after October 16, 1992 or employed prior to October 16, 1992, and elected the provisions of No-Age Disability, and either disabled in the line-of-duty or disabled with at least five years of creditable service.

Benefit: 59% of average final compensation, reduced by employment earnings over the specified statutory limit, and to the extent that the benefit, in combination with Workers' Compensation and Social Security, exceeds 80% of average final compensation. A member in service on November 30, 1984 may elect benefits applicable for retirement before December 1, 1984.

**MAINE PUBLIC EMPLOYEES RETIREMENT SYSTEM
MAINE JUDICIAL RETIREMENT PROGRAM
ACTUARIAL VALUATION AS OF JUNE 30, 2025**

APPENDIX B – SUMMARY OF PROGRAM PROVISIONS

Form of Payment: Payment begins upon the termination of service and ceases on cessation of disability or after two years, unless the member is unable to engage in any substantially gainful activity, in which case payments cease on the date the service retirement benefit equals or exceeds the disability benefit.

Conversion to Service Retirement: During the period of disability, service is credited, and average final compensation is increased at the same rate as any cost-of-living adjustments for which the member is eligible (not subject to the COLA Cap) (see item 12). On the date when service benefits reach a level of 59% of average final compensation, the disability benefit converts to a service retirement benefit based on service and average final compensation at that time.

8. Pre-Retirement Ordinary Death Benefits

Eligibility: Death while active, inactive eligible to retire, or disabled not resulting from an injury received in the line-of-duty.

Benefit: Designated beneficiary, spouse, children, or parents entitled to benefit calculated as if the deceased member had retired under Option 2 (see item 13); however, the beneficiary may elect survivor benefits payable to a surviving spouse, dependent children, parent, or other designated beneficiaries in monthly amounts varying by the status of beneficiary and number of eligible survivors. Otherwise, accumulated contributions with interest are payable to the designated beneficiary, spouse, children, older parents, or estate.

Minimum Benefit: For a judge in service prior to December 1, 1984, one-half of the judge's retirement benefit determined on date of death, payable to the spouse and/or dependent children.

9. Pre-Retirement Accidental Death Benefits

Eligibility: Death while active or disabled resulting from an injury received in the line-of-duty.
Benefit:

- If the member leaves no dependent children, two-thirds of the member's average final compensation to the surviving spouse until death.
- If the member is survived by a spouse who has the care of dependent children of the member, the surviving spouse shall receive an annual sum equal to the member's average final compensation while having the care of dependent children. When there are no longer any dependent children, the surviving spouse shall receive two-thirds of the member's average final compensation until death.

**MAINE PUBLIC EMPLOYEES RETIREMENT SYSTEM
MAINE JUDICIAL RETIREMENT PROGRAM
ACTUARIAL VALUATION AS OF JUNE 30, 2025**

APPENDIX B – SUMMARY OF PROGRAM PROVISIONS

- If the member is survived by a spouse who does not have the care of the member's dependent children, the surviving spouse and dependent children shall share equally an annual sum equal to the member's average final compensation. When there are no longer any dependent children, the surviving spouse shall receive two-thirds of the member's average final compensation until death.
- If the member leaves no spouse, the dependent children shall share an annual amount equal to the member's average final compensation. Benefits will cease when the last dependent child no longer meets the definition of "dependent child."

10. Termination Benefit

Eligibility: Termination of service other than by retirement or death with at least five years of creditable service.

Benefit: The member's choice of a refund of the accumulated contributions with interest or a retirement benefit using creditable service and average final compensation as of the date of termination, deferred to normal retirement age.

11. Refund of Contributions

Eligibility: Termination of service other than by retirement or death with less than five years of creditable service.

Benefit: Refund of member's accumulated contributions with interest.

12. Cost-of-Living Adjustments (COLA)

All service and disability retirement and survivor benefits are adjusted each year that there is a percentage change in the Consumer Price Index (CPI), based on the Index. If the percentage change is negative, then no adjustment is made in that year. In subsequent years, the adjustment that would have been made will be adjusted downward to the extent necessary to recoup the full actuarial value of not having made the previous year's negative adjustment. This process of adjustment may occur over a multi-year period if needed to recoup the full value of negative changes in the Index.

Cost-of-living adjustments (COLA) are effective September 1 of each year and are applied to that portion of the benefit that is not in excess of a COLA Base whose value grows annually with the same adjustment as the COLA (see values below) for all benefits that have been in payment for at least 12 months as of that date. The maximum annual increase, or COLA Cap, is three percent. Average final compensation used in determining disability benefits for disabled members is similarly adjusted for purposes of determining the recipient's service retirement benefit if and when the recipient moves to service retirement.

**MAINE PUBLIC EMPLOYEES RETIREMENT SYSTEM
MAINE JUDICIAL RETIREMENT PROGRAM
ACTUARIAL VALUATION AS OF JUNE 30, 2025**

APPENDIX B – SUMMARY OF PROGRAM PROVISIONS

COLA Base History: (value as of September 1 of listed year when COLA effective):

2014	\$20,000.00	2020	\$22,810.25
2015	\$20,420.00	2021	\$22,947.11
2016	\$20,940.71	2022	\$24,186.25 *
2017	\$21,474.70	2023	\$24,911.84
2018	\$21,818.30	2024	\$25,659.20
2019	\$22,451.03	2025	\$26,428.98

* Special legislation was passed to pay an additional one percent COLA above the maximum COLA Cap of three percent. In addition, the COLA Base was increased by the full CPI change of 5.4%.

Members who did not have 10 years of service on July 1, 1993 will begin receiving the cost-of-living adjustments at the later of 12 months after their normal retirement age and the first September 1 following a minimum of 12 months of being in receipt of their benefit.

Minimum benefits are increased 6% per year from July 1985 through June 1989 and as described above thereafter.

13. Methods of Payment of Service Retirement Benefits

At retirement, a member who retires with a benefit must choose from the following methods of payment:

Full Benefit: Unadjusted benefit paid for the life of the member only.

Option 1: Cash refund equal to the remaining member contribution balance, if any, at the date of death (where the member contribution balance has been reduced each month by the portion of the monthly benefit deemed to be provided by member contributions).

Option 2: 100% joint and survivor annuity.

Option 3: 50% joint and survivor annuity.

Option 4: Joint and survivor annuity at any percentage other than those available under Option 2 and Option 3.

Option 5: Designated percentage of the benefit (not less than 51%) payable to the member, with the remaining percentage (the two to equal 100%) payable to a beneficiary (may only be a sole beneficiary) while both are alive. At the death of either, the higher of the two percentages is paid to the survivor for the survivor's life, and the lower-percentage benefit ceases to be paid.

Option 6: 100% joint and survivor annuity (Option 2) with pop-up*.

**MAINE PUBLIC EMPLOYEES RETIREMENT SYSTEM
MAINE JUDICIAL RETIREMENT PROGRAM
ACTUARIAL VALUATION AS OF JUNE 30, 2025**

APPENDIX B – SUMMARY OF PROGRAM PROVISIONS

Option 7: 50% joint and survivor annuity (Option 3) with pop-up*.

Option 8: Option 4 with pop-up*.

* The “pop-up” feature attached to a given Option means that in the case of a beneficiary predeceasing the member, the member’s benefit will be revised prospectively to the amount that the benefit would have been had the member selected Full Benefit payment upon retirement.

14. Program Changes Since Prior Valuation

None

This Appendix B is intended to be a brief summary of provisions. In the event of a dispute, applicable statutes and administrative policy supersede this report description.

**MAINE PUBLIC EMPLOYEES RETIREMENT SYSTEM
MAINE JUDICIAL RETIREMENT PROGRAM
ACTUARIAL VALUATION AS OF JUNE 30, 2025**

APPENDIX C – ACTUARIAL ASSUMPTIONS AND METHODS

A. Actuarial Assumptions

1. Annual Rate of Investment Return

Judicial	6.50%
----------	-------

Rate is net of both administrative and investment expense.

2. LDROM Discount Rate

Judicial	4.77%
----------	-------

3. Cost-of-Living Adjustment (COLA) Assumed Rate

Judicial	2.20%
----------	-------

4. Annual Rate of Individual Salary Increase:

Judicial	2.75%
----------	-------

5. Sample Rates of Termination (% at Selected Ages)

Age	Termination Rate
25	7%
30	6
35	5
40	4
45	3
50	2
55	1

Non-vested members are assumed to take a refund of contributions with interest. Once vested, the member is assumed to elect the greater of the deferred vested benefit or a refund of member contributions with interest based on present value at the time of termination.

**MAINE PUBLIC EMPLOYEES RETIREMENT SYSTEM
MAINE JUDICIAL RETIREMENT PROGRAM
ACTUARIAL VALUATION AS OF JUNE 30, 2025**

APPENDIX C – ACTUARIAL ASSUMPTIONS AND METHODS

6. Sample Rates of Mortality for Healthy Annuitant Lives at Selected Ages (number of deaths per 10,000 members)

Showing values in 2025		
Age	Male	Female
50	31	24
55	46	34
60	70	47
65	101	68
70	155	109
75	262	194
80	473	361
85	879	691
90	1,542	1,305
95	2,419	2,141

Rates are based on 112.1% and 118.5% of the 2010 Public Plan General Benefits-Weighted Healthy Retiree Mortality Table, respectively, for males and females. The rates are projected generationally using the RPEC_2020 model, with an ultimate rate of 1.00% for ages 80 and under, grading down to 0.05% at age 95, and further grading down to 0.00% at age 115, along with convergence to the ultimate rates in the year 2027. All other parameters used in the RPEC_2020 model are those included in the published MP-2020 scale.

7. Sample Rates of Mortality for Active Lives at Selected Ages (number of deaths per 10,000 members)*

Showing values in 2025		
Age	Male	Female
20	3	1
25	3	1
30	4	2
35	6	3
40	7	4
45	8	5
50	11	7
55	17	11
60	27	17
65	39	25

* 5% of deaths assumed to arise out of and in the course of employment.

**MAINE PUBLIC EMPLOYEES RETIREMENT SYSTEM
MAINE JUDICIAL RETIREMENT PROGRAM
ACTUARIAL VALUATION AS OF JUNE 30, 2025**

APPENDIX C – ACTUARIAL ASSUMPTIONS AND METHODS

Rates are based on 83.5% and 88.6% of the 2010 Public Plan General Benefits-Weighted Employee Mortality Table, respectively, for males and females. These rates are generationally projected using the same version of the RPEC_2020 model as described in the healthy annuitant mortality.

8. Sample Rates of Mortality for Disabled Annuitant Lives at Selected Ages (number of deaths per 10,000 members)

Showing values in 2025		
Age	Male	Female
25	36	21
30	54	37
35	73	57
40	90	76
45	112	98
50	158	140
55	214	179
60	272	208
65	322	218
70	380	255

Rates are based on 107.3% and 103.2% of the 2010 Public Plan Non-Safety Benefits-Weighted Disabled Retiree Mortality Table, respectively, for males and females. These rates are generationally projected using the same version of the RPEC_2020 model described in the healthy annuitant mortality.

**MAINE PUBLIC EMPLOYEES RETIREMENT SYSTEM
MAINE JUDICIAL RETIREMENT PROGRAM
ACTUARIAL VALUATION AS OF JUNE 30, 2025**

APPENDIX C – ACTUARIAL ASSUMPTIONS AND METHODS

9. Sample Rates of Retirement at Selected Ages (number retiring per 1,000 members)

Age	NRA 60	NRA 62	NRA 65
60-61	1,000	NA	NA
62	1,000	200	NA
63	1,000	275	NA
64	1,000	350	NA
65	1,000	425	400
66	1,000	500	500
67	1,000	450	450
68	1,000	400	400
69	1,000	350	350
70	1,000	300	300
71-75	1,000	250	250
76-79	1,000	500	500
80+	1,000	1,000	1,000

In the case of Judicial employees, NRA 60 refers to those who had accrued at least 10 years of service by July 1, 1993. NRA 62 refers to those who had not accrued at least 10 years of service by July 1, 1993 or were hired after that date but had five years of service by July 1, 2011. NRA 65 refers to those who did not have five years of service by July 1, 2011.

10. Sample Rates of Disability at Selected Ages (number becoming disabled per 10,000 members)

No disability incidents are assumed.

11. Family Composition Assumptions

80% of active members are assumed to be married and have two children born when the member is 24 and 28; children are assumed dependent until age 18; a female spouse is assumed to be three years younger than a male spouse; member is assumed to have no dependent parents; unmarried members are assumed to have beneficiaries entitled to benefits worth 80% as much as those of married members' beneficiaries.

**MAINE PUBLIC EMPLOYEES RETIREMENT SYSTEM
MAINE JUDICIAL RETIREMENT PROGRAM
ACTUARIAL VALUATION AS OF JUNE 30, 2025**

APPENDIX C – ACTUARIAL ASSUMPTIONS AND METHODS

12. Technical and Miscellaneous Assumptions

Decrement Timing: Middle of the valuation year.

Pay Increase Timing: Salary provided is treated as the rate of pay as of the valuation date. Annual increases are applied as of the beginning of each subsequent valuation.

Member Contribution Interest Rate: Reflect actual historical member contribution interest rates from 1970 through the valuation; future contribution interest assumed to equal the inflation assumption of 2.75%.

COLA Timing: September 1.

13. Rationale for Assumptions

The demographic assumptions were adopted by the Board of Trustees at their March 11, 2021, meeting. The discount rate was adopted by the Board of Trustees at their August 12, 2021, meeting. The demographic assumptions adopted are based on an experience study covering the period from July 1, 2015 through June 30, 2020, and the economic assumptions are based on this experience study along with advice of the MainePERS investment consultants. In our professional judgment, the combined effect of the assumptions has no significant bias.

The LDROM discount rate is the single equivalent rate determined by matching System cash flows to US Treasury Securities yields as of the measurement date as published by the Federal Reserve.

14. Changes Since Last Valuation

The LDROM discount rate was updated to 4.77% based on Treasury yields as of June 30, 2025.

15. Rationale for Change in Actuarial Assumptions

N/A

16. Disclosure for Reasonable Actuarially Determined Contribution Method

The rates determined in the ratemaking process and shown in Table I-2 meet the requirements of a reasonable ADC as defined by the Actuarial Standards of Practice. The actuarial methods used to determine the reasonable ADC have been selected to balance benefit security, intergenerational equity, and stability of contributions. The selection of the actuarial methods has taken into account the demographics of plan members, the funding goals and objectives of the Board, and the need to accumulate assets to make

MAINE PUBLIC EMPLOYEES RETIREMENT SYSTEM
MAINE JUDICIAL RETIREMENT PROGRAM
ACTUARIAL VALUATION AS OF JUNE 30, 2025

APPENDIX C – ACTUARIAL ASSUMPTIONS AND METHODS

benefit payments when due. The Actuarially Determined Contribution disclosed in this report represents a reasonable actuarially determined contribution in accordance with Actuarial Standard of Practice (ASOP) No. 4.

17. Disclosure of Models Used

ProVal: Cheiron utilizes ProVal, an actuarial valuation software leased from Winklevoss Technologies (WinTech) to calculate the liabilities, normal costs, and projected benefit payments. We have relied on WinTech as the developer of ProVal. We have reviewed ProVal and have a basic understanding of it and have used ProVal in accordance with its original intended purpose. We have not identified any material inconsistencies in assumptions or output of ProVal that would affect this actuarial valuation.

Mortality Improvement Model: Cheiron utilized the RPEC_2014_v2020 Model Implementation Tool for the purposes of developing the customized version of MP-2020 used in this report. This tool is updated and published annually by the Society of Actuaries and their Retirement Plans Experience Committee and allows actuaries to develop customized versions of mortality improvement scales based on the parameters and data underlying the published MP-2020 scale but allowing practitioners to vary parameters from those used in the published MP-2020 scale.

We have reviewed this model and believe it is appropriate to our intended use in developing a customized mortality improvement scale for the Programs. Further, we are aware of no material inconsistencies that would limit our ability to use this model for its intended purpose.

**MAINE PUBLIC EMPLOYEES RETIREMENT SYSTEM
MAINE JUDICIAL RETIREMENT PROGRAM
ACTUARIAL VALUATION AS OF JUNE 30, 2025**

APPENDIX C – ACTUARIAL ASSUMPTIONS AND METHODS

B. Actuarial Methods

1. Funding and LDROM Cost Method

The Entry Age Normal Actuarial Cost Method is used to determine costs. Under this cost method, the total employer contribution rate consists of two elements: the employer normal cost rate and the Unfunded Actuarial Liability (UAL) rate.

Under this method, the actuarial present value of the projected benefits of each active included in the valuation is allocated on a level basis over the earnings of the individual between entry age and assumed exit age(s). The portion of this actuarial present value allocated to the year beginning on the valuation date is called the normal cost. For each active, the normal cost is determined by taking the value, as of entry age into the Program, of the member's projected benefits, reduced by the value of future member contributions, and then dividing it by the value, also as of the member's entry age, of the member's expected future salary. This rate is then multiplied by the member's salary at the valuation date to produce the normal cost for each member, which is then aggregated across all members to get the total normal cost for the Program. This total normal cost is then divided by the total salary for the Program at the valuation date to get the normal cost rate for the Program.

The portion of the actuarial present value not provided for at the valuation date by the actuarial present value of the future normal costs is called the Actuarial Liability. The Unfunded Actuarial Liability is defined as the total Actuarial Liability at the valuation date less the actuarial value of the Program's assets at the valuation date. Contributions are made to fund this Unfunded Actuarial Liability (UAL). The UAL amortization rate for this Program is developed by amortizing the unfunded liability over an open 10-year period, assuming these amortization payments increase over the previous year at a rate of 2.75% per year. The resulting amortization for the year beginning on the valuation date is then divided by the total payroll for the Program to develop the UAL amortization rate. Amortization payments are assumed to be made in each pay period. All assumption changes and gain/losses are included in the UAL amortization except for Program changes that are fully funded at the time of implementation.

The total rate for the Program is produced by adding the normal cost rate and the UAL amortization rate, subject to the requirement that the total rate cannot be less than 0%.

By using an open amortization period, this cost method results in the expectation that any unfunded liability in the Program as of a valuation date will never be fully reduced to zero if all of the valuation assumptions are exactly met.

**MAINE PUBLIC EMPLOYEES RETIREMENT SYSTEM
MAINE JUDICIAL RETIREMENT PROGRAM
ACTUARIAL VALUATION AS OF JUNE 30, 2025**

APPENDIX C – ACTUARIAL ASSUMPTIONS AND METHODS

2. Asset Valuation Method

For purposes of determining the State contributions to the Program and the Program's funded ratio, we use an Actuarial Value of Assets. The asset adjustment method dampens the volatility in asset values that could occur because of fluctuations in market conditions. Use of an asset smoothing method is consistent with the long-term nature of the actuarial valuation process.

In determining the Actuarial Value of Assets, we calculate an expected actuarial value based on the cash flows for the year and imputed returns at the actuarial assumption. This expected value is compared to the actual fair value at the valuation date and one-third of the difference is added to the preliminary actuarial value to arrive at the final actuarial value.

3. FASB ASC 960 Cost Method:

The cost method for valuation of liabilities for FASB ASC 960 purposes is the Unit Credit Cost Method. This is one of a family of valuation methods known as accrued benefits methods. The chief characteristic of accrued benefits methods is that the funding pattern follows the pattern of benefit accrual. The accrued liability, which is determined for each Participant as of each valuation date, represents the actuarial present value of each Participant's benefit earned prior to the valuation date.

4. Changes Since Last Valuation

None

5. Rationale for Change

N/A

**MAINE PUBLIC EMPLOYEES RETIREMENT SYSTEM
MAINE JUDICIAL RETIREMENT PROGRAM
ACTUARIAL VALUATION AS OF JUNE 30, 2025**

APPENDIX D – GLOSSARY OF GASB TERMS

1. Actuarially Determined Contribution

A target or recommended contribution for the reporting period, determined in conformity with Actuarial Standards of Practice based on the most recent measurement available when the contribution for the reporting period was adopted.

2. Actuarial Valuation Date

The date as of which an actuarial valuation is performed. This date may be up to 24 months prior to the measurement date and up to 30 months prior to the employer's reporting date.

3. Deferred Inflow of Resources

An acquisition of net assets by a government employer that is applicable to a future reporting period. In the context of GASB 68, these are experience gains on the Total Pension Liability, assumption changes reducing the Total Pension Liability, or investment gains that are recognized in future reporting periods.

4. Deferred Outflow of Resources

A consumption of net assets by a government employer that is applicable to a future reporting period. In the context of GASB 68, these are experience losses on the Total Pension Liability, assumption changes increasing the Total Pension Liability, or investment losses that are recognized in future reporting periods.

5. Entry Age Actuarial Cost Method

The actuarial cost method required for GASB Nos. 67 and 68 calculations. Under this method, the actuarial present value of the projected benefits of each individual, included in an actuarial valuation, is allocated on a level basis over the earnings of the individual between entry age and assumed exit ages. The portion of this actuarial present value allocated to a valuation year is called the Service Cost. The portion of this actuarial present value not provided for at a valuation date by the actuarial present value of future service costs is called the Total Pension Liability.

6. Measurement Date

The date as of which the Total Pension Liability and Program Fiduciary Net Position are measured. The Total Pension Liability may be projected from the Actuarial Valuation Date to the Measurement Date. The Measurement Date must be the same as the Reporting Date for the Program.

**MAINE PUBLIC EMPLOYEES RETIREMENT SYSTEM
MAINE JUDICIAL RETIREMENT PROGRAM
ACTUARIAL VALUATION AS OF JUNE 30, 2025**

APPENDIX D – GLOSSARY OF GASB TERMS

7. Net Pension Liability

The liability of employers and non-employer contributing entities for employees for benefits provided through a defined benefit pension plan. It is calculated as the Total Pension Liability less the Program Fiduciary Net Position.

8. Program Fiduciary Net Position

The fair or Market Value of Assets.

9. Reporting Date

The last day of the Program or employer's fiscal year.

10. Service Cost

The portion of the actuarial present value of projected benefit payments that is attributed to the current period of employee service in conformity with the requirements of GASB Nos. 67 and 68. The Service Cost is the normal cost calculated under the Entry Age Actuarial Cost Method.

11. Total Pension Liability

The portion of the actuarial present value of projected benefit payments that is attributed to past periods of employee service in conformity with the requirements of GASB Nos. 67 and 68. The Total Pension Liability is the Actuarial Liability calculated under the Entry Age Actuarial Cost Method.