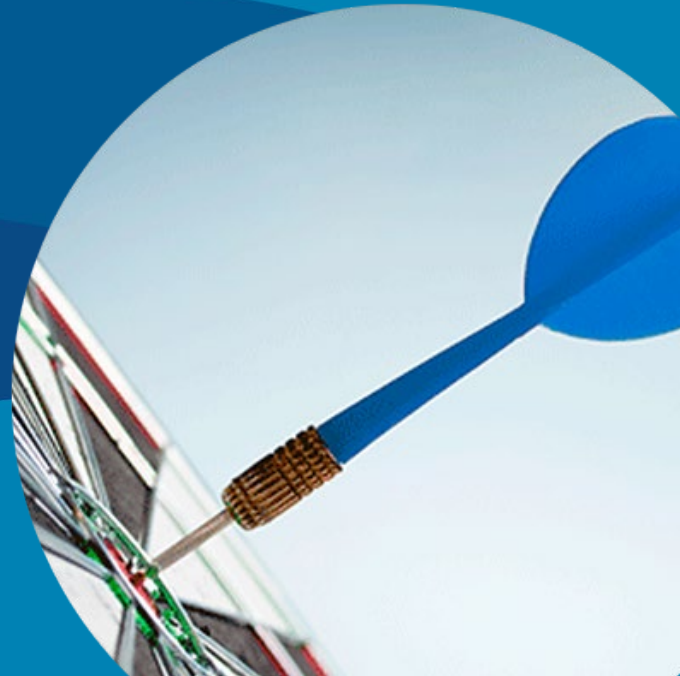




General Assembly Retirement System of Illinois

Valuation Results as of
June 30, 2025

October 24, 2025



Agenda

- Valuation Results
 - Funded status
 - Change in funded ratio
 - Historical/projected funded ratios
 - Cash flow comparison
 - Contribution requirements
 - Contribution shortfalls
- Experience Study
- Summary
- Appendix A: Projection Results: Phase-in of investment gains/losses in the Actuarial Value of Assets (AVA) and contribution rate variances due to changes in assumptions
- Appendix B: Membership Data

Valuation Results: Funded Status

(\$ in Millions)

	<u>June 30, 2025</u>	<u>June 30, 2024</u>
Actuarial Accrued Liability	\$363.2	\$366.3
Market Value of Assets (MVA)	\$97.4	\$90.3
Unfunded Actuarial Accrued Liability - MVA Basis	\$265.8	\$276.0
Funded Ratio - MVA Basis	26.81%	24.65%
Actuarial Value of Assets (AVA)	\$96.2	\$90.7
Unfunded Actuarial Accrued Liability - AVA Basis	\$267.1	\$275.6
Funded Ratio - AVA Basis	26.48%	24.75%

Results may not add due to rounding.

Valuation Results:

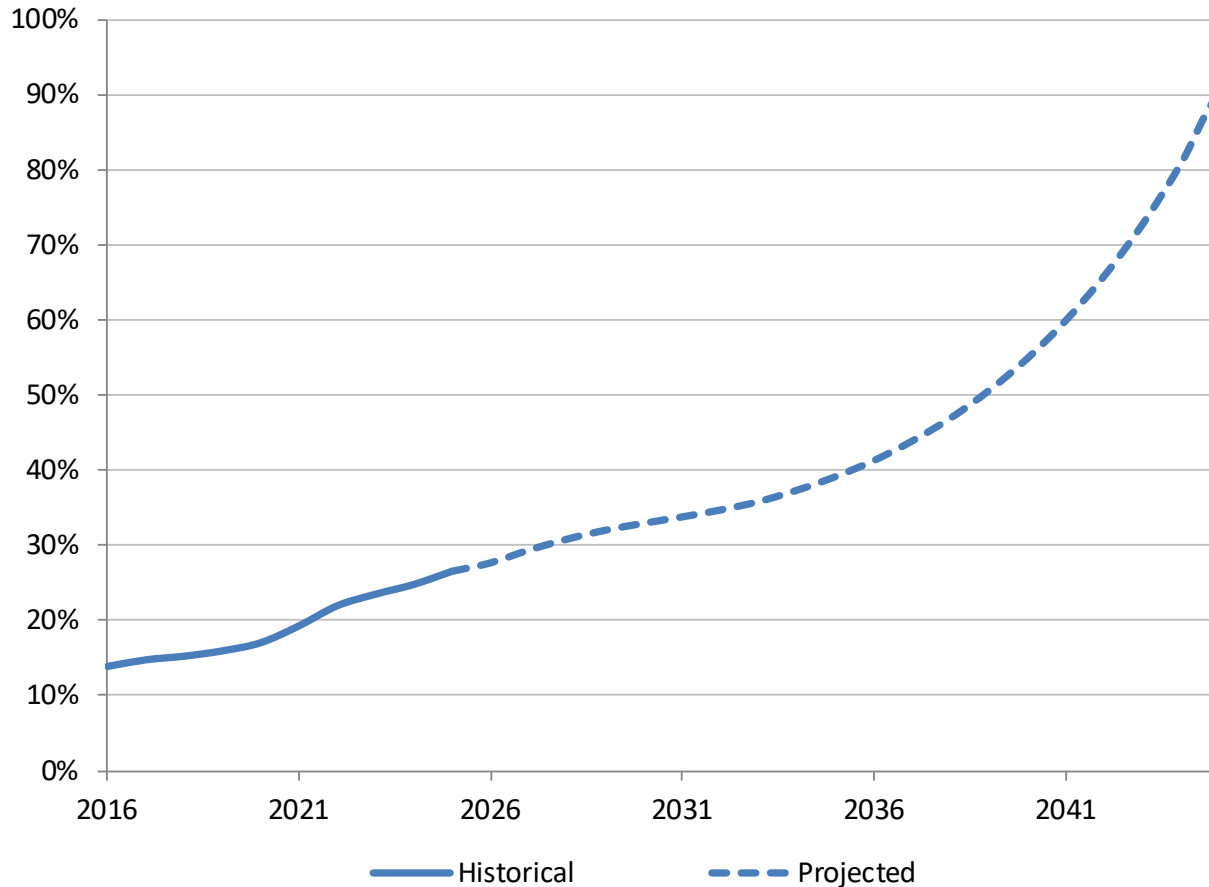
Change in Funded Ratio

Change in Funded Ratio

	<u>June 30, 2025</u>	<u>June 30, 2024</u>	<u>June 30, 2023</u>
Funded Ratio Beginning of Year	24.75%	23.47%	21.95%
Expected ¹	-0.45%	-0.44%	-0.43%
Contribution Excess/(Shortfall)	1.96%	1.97%	2.43%
Liability Experience	0.07%	-0.19%	-0.29%
Assumption Changes	-0.01%	0.00%	0.00%
Asset Experience (Return on AVA)	<u>0.16%</u>	<u>-0.06%</u>	<u>-0.19%</u>
Funded Ratio End of Year	26.48%	24.75%	23.47%
Return on AVA	7.14%	6.26%	5.67%

¹ Assumes total contributions equal to normal cost plus interest.

Valuation Results: Historical/Projected Funded Ratios



Valuation Results: Cash Flow Comparison

(\$ in Millions)

	<u>FYE 2025</u>	<u>Projected FYE 2026</u>	<u>Projected FYE 2027</u>	<u>Projected FYE 2028</u>	<u>Projected FYE 2029</u>
Employer Contribution	\$26.2	\$26.5	\$25.6	\$24.5	\$23.7
Employee Contribution	\$1.6	\$1.5	\$1.6	\$1.6	\$1.6
Benefits	(\$28.4)	(\$29.7)	(\$29.3)	(\$29.6)	(\$29.8)
Expenses	(\$0.3)	(\$0.3)	(\$0.4)	(\$0.4)	(\$0.4)
Net Cash Flow	(\$0.9)	(\$2.0)	(\$2.5)	(\$3.9)	(\$4.9)

- In fiscal years 2026 through 2041, benefits are projected to exceed State and employee contributions.
- From 2028 to 2032, the percentage of investment income needed to pay ongoing benefits is projected to increase from approximately 57 percent to 87 percent.
 - This implies that a lower level of investment income is projected to be available for potential asset growth.

Valuation Results:

Contribution Requirements (\$ in Millions)

<u>FY 2027 State Contribution</u>	<u>Amount</u>	<u>Rate</u>
Basic Funding	\$ 25.7	181.535%

<u>Compares to FY 2026 Contribution</u>	<u>Amount</u>	<u>Rate</u>
Basic Funding	\$ 26.5	208.386%

Valuation Results:

Contribution Shortfalls (\$ in Millions)

<u>FYE 2027</u>	<u>Amount</u>	<u>Rate</u>
Actuarially Determined Contribution	\$ 27.9	197.516%
Basic Funding	25.7	181.535%
Shortfall	\$ 2.2	15.981%
<u>FYE 2026</u>	<u>Amount</u>	<u>Rate</u>
Actuarially Determined Contribution	\$ 37.1	291.439%
Basic Funding	26.5	208.386%
Shortfall	\$ 10.6	83.053%

- The Actuarially Determined Contribution (ADC), is equal to the Normal Cost plus a level percent of capped payroll closed-period amortization of the Unfunded Actuarial Accrued Liability. Amortization amount for FYE June 30, 2026, is based on a 20-year closed period as of July 1, 2015, with 11 years remaining as of July 1, 2024. Amortization amount for FYE June 30, 2027, is based on a 15-year closed period as of July 1, 2025, with 15 years remaining as of July 1, 2025.

Experience Study

- Pursuant to Public Act 99-0232, GARS is required to conduct an actuarial experience review once every three years.
 - Most recent study completed in 2025 based on the period July 1, 2021 through June 30, 2024, and effective for the 2025 valuation.
 - Included updates to demographic and economic assumptions.
 - Impact on the 2025 valuation
 - Increased the actuarial accrued liability by \$0.14 million
 - Increased the employer normal cost by \$0.04 million
 - Decreased the FY 2027 statutory contribution by \$0.28 million
- Under this schedule, an experience review for the period from July 1, 2024 through June 30, 2027, will be performed before the June 30, 2028, actuarial valuation with expected implementation of the recommended assumptions beginning with the June 30, 2028, actuarial valuation.

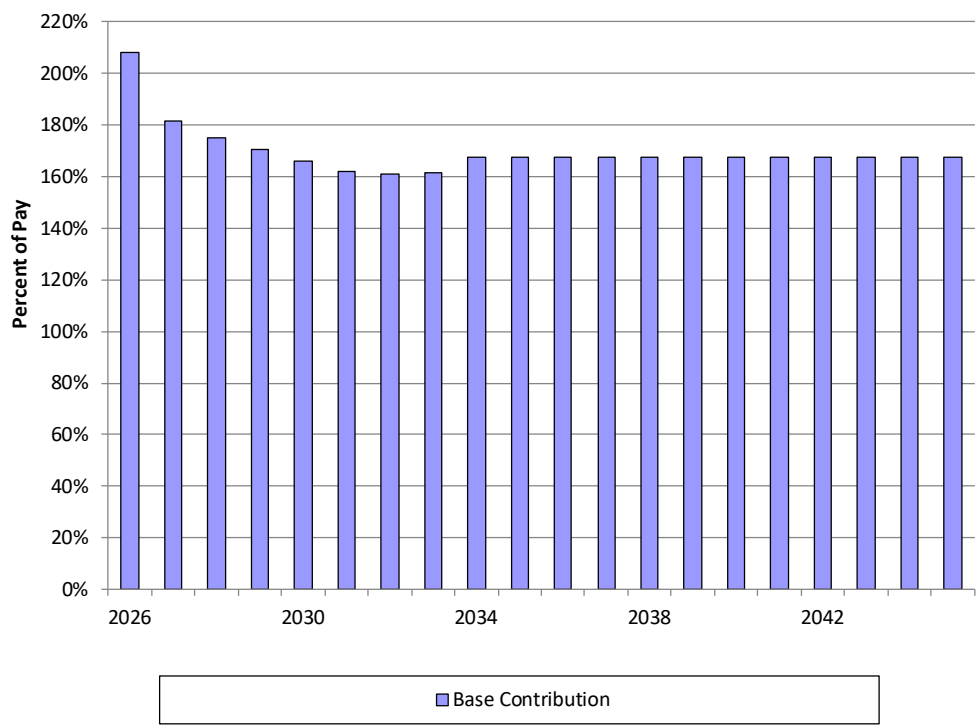
Summary

- The State's contribution as a percent of payroll and as a dollar amount decreased due to the total payroll increase and actuarial experience gains, however it increased as a dollar amount from last year's projections.
- Investment and liability gains increased the funded ratio slightly.
- Funded ratio is projected to increase slowly from 26% in 2025 to 39% in 2035, and then increase rapidly to 90% by 2045.
- Updated actuarial assumptions and methods increased the System's projected liabilities slightly.

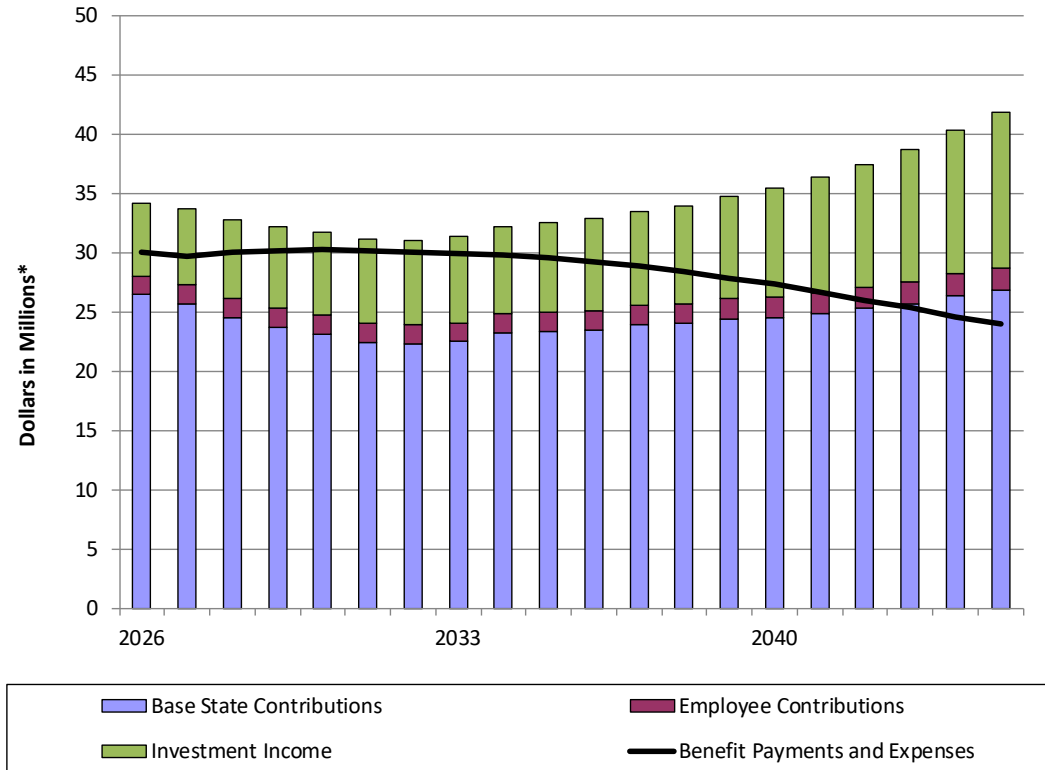
APPENDIX A: PROJECTION RESULTS

Projection Results: Phase-in of Investment Gains/Losses in the AVA and Contribution Rate Variances Due to Smoothing of Changes in Assumptions: Contributions – Rate

Base Contribution Rates

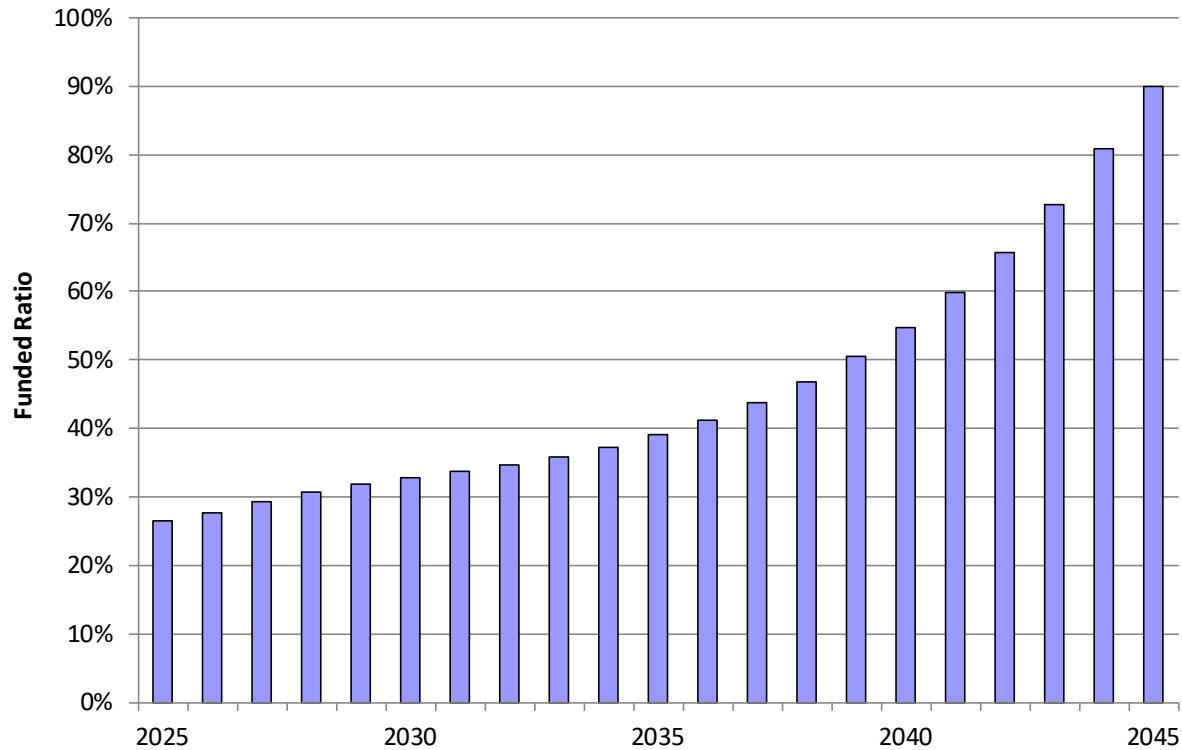


Projection Results: Phase-in of Investment Gains/Losses in the AVA and Contribution Rate Variances Due to Smoothing of Changes in Assumptions: Cash Flow Comparison

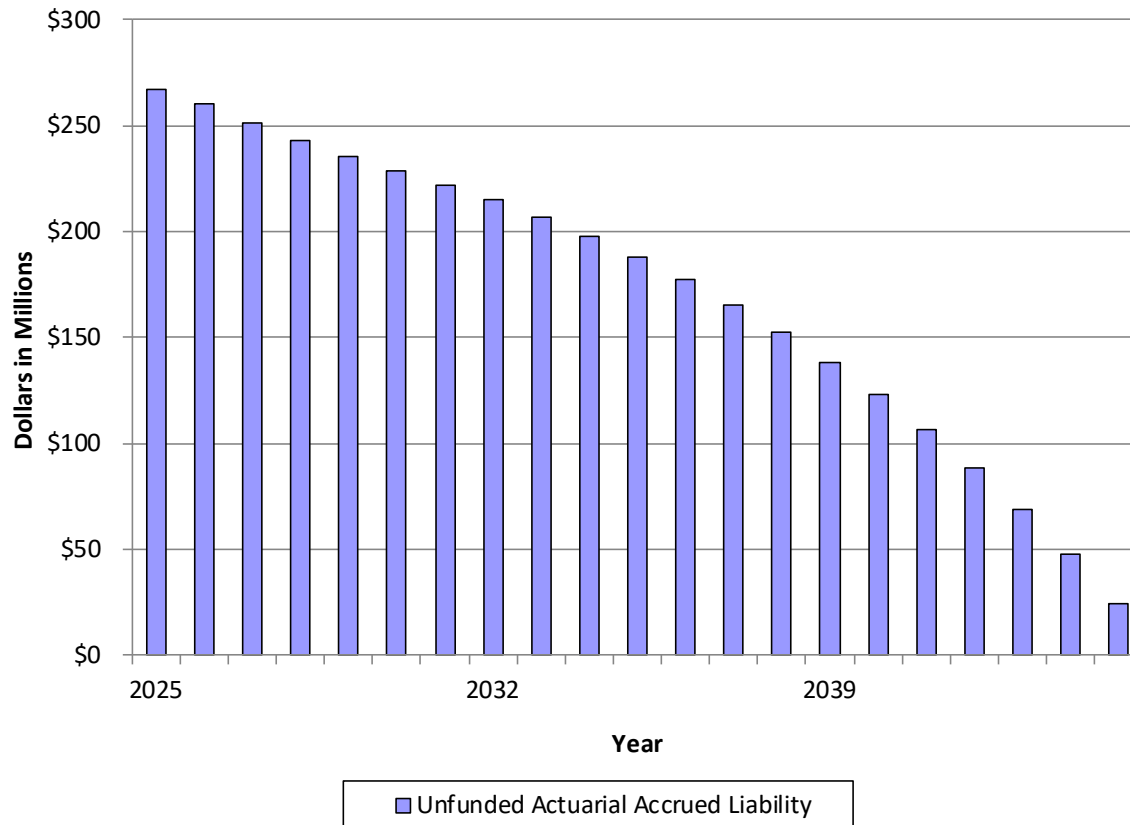


**Future dollar amounts are based on assumed inflationary increases.*

Projection Results: Phase-in of Investment Gains/Losses in the AVA and Contribution Rate Variances Due to Smoothing of Changes in Assumptions: Funded Ratio



Projection Results: Phase-in of Investment Gains/Losses in the AVA and Contribution Rate Variances Due to Smoothing of Changes in Assumptions: Unfunded Actuarial Accrued Liability



APPENDIX B: MEMBERSHIP DATA

Active Members

	<u>June 30, 2025</u>	<u>June 30, 2024</u>
Number as of Valuation Date	132	128
Covered Uncapped Payroll for Fiscal Year	\$14.372 Million	\$13.165 Million
Average Annual Earnings	\$ 108,879	\$ 102,848

Current Benefit Recipients

	<u>June 30, 2025</u>	<u>June 30, 2024</u>
Retirees	308	314
Survivors	107	111
QILDRO	12	13
Total	427	438
Total Benefits	\$28.11M	\$28.08M
Average Benefits	\$65,837	\$64,118

QUESTIONS

Disclosures

- Circular 230 Notice: Pursuant to regulations issued by the IRS, to the extent this presentation concerns tax matters, it is not intended or written to be used, and cannot be used, for the purpose of (i) avoiding tax-related penalties under the Internal Revenue Code or (ii) marketing or recommending to another party any tax-related matter addressed within. Each taxpayer should seek advice based on the individual's circumstances from an independent tax advisor.
- This presentation shall not be construed to provide tax advice, legal advice or investment advice.
- The actuaries submitting this presentation (Alex Rivera, FSA, EA, FCA, MAAA; Heidi G. Barry, ASA, FCA, MAAA and Jeffrey T. Tebeau, FSA, EA, FCA, MAAA) are Members of the American Academy of Actuaries and meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinions contained herein.
- The primary purpose of the actuarial valuation is to measure the financial position of GARS.

Disclosures

- The valuation results summarized in this report involve actuarial calculations that require assumptions about future events. The major actuarial assumptions used in this analysis were provided by and are the responsibility of GARS. We are unable to judge the reasonableness of some of these assumptions without performing a substantial amount of additional work beyond the scope of the assignment.
- Future actuarial measurements may differ significantly from the current measurements presented in this report due to such factors as the following: plan experience differing from that anticipated by the economic or demographic assumptions; changes in economic or demographic assumptions; and changes in plan provisions or applicable law.
- This is one of multiple documents comprising the actuarial report for the GARS actuarial valuation. Additional information regarding actuarial assumptions and methods, and important additional disclosures are provided in the full actuarial valuation report as of June 30, 2025.
- If you need additional information to make an informed decision about the contents of this presentation, or if anything appears to be missing or incomplete, please contact us before relying on this presentation.