

Government Employees' Retirement System of the Virgin Islands

Actuarial Valuation and Review as of September 30, 2025



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Segal

September 17, 2026

Board of Trustees
Government Employees' Retirement System of the Virgin Islands
GERS Complex
3438 Kronprindsens Gade
St. Thomas, Virgin Islands, 00802

Dear Board Members:

We are pleased to submit this Actuarial Valuation and Review as of September 30, 2025. It summarizes the actuarial data used in the valuation, analyzes the preceding year's experience, and establishes the funding requirements for fiscal year ended September 30, 2025.

This report has been prepared in accordance with generally accepted actuarial principles and practices for the exclusive use and benefit of the Board of Trustees to assist in administering the Retirement System. The census information on which our calculation were based was prepared by the GERS staff under the direction of Mr. Angel Dawson, Jr. That assistance is gratefully appreciated.

The actuarial calculations were directed under our supervision. We are members of the American Academy of Actuaries and we meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinion herein. To the best of our knowledge, the information supplied in this actuarial valuation is complete and accurate. The assumptions used in this actuarial valuation were selected by the Board based upon our analysis and recommendations. In our opinion, the assumptions are reasonable and take into account the experience of the Plan and reasonable expectations for the Retirement System. In addition, in our opinion, the combined effect of these assumptions is expected to have no significant bias.

Segal makes no representation or warranty as to the future status of the System and does not guarantee any particular result. This document does not constitute legal, tax, accounting or investment advice or create or imply a fiduciary relationship. The Board is encouraged to discuss any issues raised in this report with the System's legal, tax and other advisors before taking, or refraining from taking, any action.

We look forward to reviewing this report at your next meeting and to answering any questions.

Sincerely,
Segal

A handwritten signature in black ink, appearing to read "Aldwin Frias".

Aldwin Frias, FSA, FCA, MAAA, EA
Senior Vice President and Actuary

A handwritten signature in black ink, appearing to read "Lissette Ortiz".

Lissette Ortiz, FCA, MAAA, EA
Vice President and Actuary

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Section 1: Actuarial Valuation Summary

Purpose and basis

This report has been prepared by Segal to present a valuation of the System as of September 30, 2025. The valuation was performed to determine whether the assets and contributions are sufficient to provide the prescribed benefits and to provide information for required disclosures under Governmental Accounting Standards Board (GASB) Statements No. 67. The measurements shown in this actuarial valuation may not be applicable for other purposes. In particular, the measures herein are not necessarily appropriate for assessing the sufficiency of plan assets to cover the estimated cost of settling the Plan's benefit obligations. 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; increases or decreases expected as part of the natural operation of the methodology used for these measurements; and changes in plan provisions or applicable law.

The contribution requirements presented in this report are based on:

- The benefit provisions of the Retirement System, as administered by the Board as of September 30, 2025;
- The characteristics of covered active members, inactive vested members, retired members and beneficiaries as of September 30, 2025, provided by the GERS;
- The assets of the Plan as of September 30, 2025, provided by the Fund Auditor;
- Economic assumptions regarding future salary increases and investment earnings;
- Other actuarial assumptions regarding employee terminations, retirement, death, etc. and
- The funding policy adopted by the System and prescribed in the Virgin Islands Code.

Certain disclosure information required by GASB Statements No. 67 and 68 as of September 30, 2025 for the System is provided in a separate report.

Section 1: Actuarial Valuation Summary

Valuation highlights

Developments since last valuation

- **Funding Note:** On April 6, 2022, the Virgin Islands Public Finance Authority issued a Funding Note to GERS in the principal amount of \$3,805,294,438 payable with varying installment amounts ranging from \$73.6 million to \$158.0 million each year over the following 29 years. Thus far, October 2023, 2024, and 2025 installment amounts have fallen short of the expected amount by a total of \$112 million.

Rum Cover-Over rates increased from \$10.50 to \$13.25 after December 31, 2025. Therefore, the Funding Note payout amounts starting on October 1, 2026 are assumed to be the same amounts as originally projected by the Governor's financial team when the Funding Note was initially established. Projections have been previously provided to demonstrate the impact of the current and future potential shortfalls in the funding note.

- **Asset returns:** The rate of return on the market value of assets was 9.4% for the year ending September 30, 2025. This resulted in an actuarial gain when measured against the assumed rate of return of 6.0%. We advise the Board to continue to monitor actual and anticipated investment returns relative to the assumed long-term rate of return on investments of 6.0%.
- **Contributions:** Actual contributions made during the year ending September 30, 2025 of \$212.0 million were 72% of the actuarially determined employer contribution (ADEC) of \$293.7 million. In the prior year, actual contributions were 77% of the prior year ADEC. Note, the employer contribution amounts include income from the Funding Note.
- **Experience:** There was an actuarial experience gain of \$32.6 million due to an investment gain of \$20.1 million and a gain from sources other than investments of \$12.5 million.
- **Assumption changes:** The valuation reflects an increase in the administrative expense assumption from \$16.3 million to \$18.0 million for fiscal year ending September 30, 2026.

Section 1: Actuarial Valuation Summary

Actuarial valuation results

- **Valuation date:** It is important to note that this actuarial valuation is based on plan assets and demographic information provided as of September 30, 2025. The Plan's actuarial status does not reflect short-term fluctuations of the market, but rather is based on the market values on the last day of the Plan Year. While it is impossible to determine how the market will perform in the short term, and how that will affect the results of next year's valuation, Segal is available to prepare projections of potential outcomes upon request. Unfavorable asset experience will increase the actuarial cost of the System, while favorable experience will decrease the actuarial cost of the System.
- **Solvency projection:** Based on the results of this valuation and reflecting the Rum Cover-Over rate increase from \$10.50 to \$13.25 after December 31, 2025, the System is projected to remain solvent. However, assets are projected to decline to a low of \$135.3 million on September 30, 2038, before increasing again thereafter.
- **Funded ratio:** The funded ratio (the ratio of the actuarial value of assets to actuarial accrued liability) is 14.7%, compared to the prior year funded ratio of 14.3%. This ratio is one measure of funding status, and its history is a measure of funding progress. These measurements are not necessarily appropriate for assessing the sufficiency of the plan assets to cover the estimated cost of settling the Plan's benefit obligation or the need for or the amount of future contributions.
- **Unfunded actuarial accrued liability (UAAL):** The UAAL (the excess of the actuarial accrued liability over the actuarial value of assets) is \$3,306,777,472, which is a decrease of \$45,220,329 since the prior valuation.
- **Actuarially determined employer contribution (ADEC):** The ADEC for the upcoming year is \$291,551,867, a decrease of \$2,124,753 from last year. The contribution as a percentage of payroll increased from 64.5% to 64.7%, based on a 20-year level amortization of the unfunded actuarial accrued liability.
- **GASB Accounting:** The information contained in Section 5 provides the accounting information for Governmental Accounting Standards Board (GASB) Statements No. 67, for inclusion in the System's financial statements as of September 30, 2025. The Net Pension Liability (NPL) is equal to the difference between the Total Pension Liability (TPL) and the Plan's fiduciary net position (equal to the market value of assets). The NPL as of September 30, 2025 is \$3,493,009,218.

Section 1: Actuarial Valuation Summary

Funding considerations and risk

- **Funding method:** It is our understanding that the legislation that covers the System provides that contributions are to be made on an actuarial reserve basis. An actuarial valuation is performed to calculate the “Actuarially Determined Employer Contributions” (ADEC) and is based on the assumptions and methods adopted by the Board for this purpose.

Segal strongly recommends an actuarial funding method that targets 100% funding of the actuarial accrued liability. Generally, this implies payments that are ultimately at least enough to cover normal cost, interest on the unfunded actuarial accrued liability and the principal balance. The funding policy adopted by the Board meets this standard. However, the actual amounts contributed by the government employers to the System have not been based on the ADEC amounts. The amounts contributed have been significantly less than the ADEC (see Section 2: History of Employer Contributions) for over 20 years. Therefore, benefits are not being funded adequately on an actuarial basis. Section 718(l) of the Virgin Islands Code prohibits the Board from paying benefits that are not adequately funded.

While the employer contribution rate is currently 23.5% of pay, the ADEC has increased from 35% of pay in 2007 to 65% of pay as of September 30, 2025. Since 2022, the additional contribution income coming from the GERS Funding Note has helped bridge the gap between the ADEC and the actual employer contributions.

Since 2006, the System’s funded percentage, based on the investment return assumption used for the funding valuation (currently, 6.0%), has declined from 56% to 15%. The funded percentage as of September 30, 2025 based on GASB 67/68 accounting standards is 14.0%, which uses a discount rate of 5.51%. As indicated above, this decline is primarily due to contributions being significantly less than the amount necessary for proper plan funding.

- **Understanding risk:** Since the actuarial valuation results are dependent on a given set of assumptions, there is a risk that emerging results may differ significantly as actual experience proves to be different from the assumptions. For each of the past several years, we have provided sensitivity and scenario projections to highlight the impact of varying investment returns, changes in contribution requirements and plan design including potential benefit reductions. These risk assessments and projections are important for the Board because:
 - a. The System’s assets are projected to decline as benefit and expense outflow is greater than contribution and expected investment income, even after reflecting the expected revenue from the GERS Funding Note.
 - b. While the Rum Cover-Over rate increased from \$10.50 to \$13.25 after December 31, 2025, there is still a risk that the actual Funding Note payouts would be lower than originally anticipated due to lower overall demand in rum consumption.
 - c. They provide the Board with possible recommendations to the Governor and the Legislature on potential changes in the plan of benefits and additional contributions required for the System to remain solvent in the long-term, and
 - d. The outlook for financial markets, future employment level and economic activity in the US Virgin Islands is uncertain.

Section 1: Actuarial Valuation Summary

Summary of key valuation results

Valuation Result	Current	Prior
Contributions for fiscal year beginning:	October 1, 2025	October 1, 2024
• Normal cost including administrative expenses	\$62,831,179	\$61,586,583
• Actuarially determined employer contributions (ADEC) ¹	291,551,867	293,676,620
• Actuarially determined employer contributions as a percent of payroll	64.65%	64.54%
• Expected employer contributions ²	165,768,637	208,506,431
• Shortfall	125,783,230	85,170,189
Actuarial accrued liability as of:	September 30, 2025	September 30, 2024
• Retired members and beneficiaries	\$2,602,060,557	\$2,609,906,519
• Inactive vested members	68,059,256	82,008,372
• Inactive members due a refund of employee contributions	22,979,667	21,910,684
• Active members	1,183,370,181	1,195,531,470
• Total	\$3,876,469,661	\$3,909,357,045
Funded status as of:	September 30, 2025	September 30, 2024
• Market value of assets (MVA)	\$569,692,189	\$557,359,244
• Unfunded actuarial accrued liability	\$3,306,777,472	\$3,351,997,801
• Funded percentage	14.70%	14.26%
• Projected insolvency date ²	N/A	N/A

¹ The ADEC is the actuarial determined contributions as developed in Section 2, net of projected member contributions

² Includes the installments from the GERS Funding Note

Section 1: Actuarial Valuation Summary

Valuation Result	Current	Prior
Key assumptions:		
• Net investment return	6.00%	6.00%
• Inflation rate	2.50%	2.50%
GASB information:	September 30, 2025	September 30, 2024
• Discount rate	6.00%	6.00%
• 20-year bond rate	4.90%	3.81%
• Blended rate	5.51%	5.00%
• Total Pension Liability	\$4,062,701,407	\$4,315,703,675
• Plan Fiduciary Net Position	569,692,189	557,359,244
• Net Pension Liability	3,493,009,218	3,758,344,431
• Plan Fiduciary Net Position as a percentage of Total Pension Liability	14.02%	12.91%
Demographic data for plan year ending:	September 30, 2025	September 30, 2024
• Number of retired members and beneficiaries	8,819	8,909
• Number of active members	8,698	8,892
• Total covered projected payroll	\$450,948,891	\$455,042,770
• Average compensation	\$51,845	\$51,174

Section 1: Actuarial Valuation Summary

Important information about actuarial valuations

An actuarial valuation is a budgeting tool with respect to the financing of future projected obligations of a pension plan. It is an estimated forecast – the actual long-term cost of the plan will be determined by the actual benefits and expenses paid and the actual investment experience of the plan.

In order to prepare a valuation, Segal relies on a number of input items. These include:

Input Item	Description
Plan provisions	Plan provisions define the rules that will be used to determine benefit payments, and those rules, or the interpretation of them, may change over time. Even where they appear precise, outside factors may change how they operate. It is important to keep Segal informed with respect to plan provisions and administrative procedures, and to review the plan summary included in our report to confirm that Segal has correctly interpreted the plan of benefits.
Participant information	An actuarial valuation for a plan is based on data provided to the actuary by the System. Segal does not audit such data for completeness or accuracy, other than reviewing it for obvious inconsistencies compared to prior data and other information that appears unreasonable. It is important for Segal to receive the best possible data and to be informed about any known incomplete or inaccurate data.
Financial information	The valuation is based on the market value of assets as of the valuation date, as provided by the Fund Auditor.
Actuarial assumptions	In preparing an actuarial valuation, Segal starts by developing a forecast of the benefits to be paid to existing plan participants for the rest of their lives and the lives of their beneficiaries. This requires actuarial assumptions as to the probability of death, disability, withdrawal, and retirement of participants in each year, as well as forecasts of the plan's benefits for each of those events. In addition, the benefits forecasted for each of those events in each future year reflect actuarial assumptions as to salary increases and cost-of-living adjustments. The forecasted benefits are then discounted to a present value, typically based on an estimate of the rate of return that will be achieved on the plan's assets. All of these factors are uncertain and unknowable. Thus, there will be a range of reasonable assumptions, and the results may vary materially based on which assumptions are selected within that range. That is, there is no right answer (except with hindsight). It is important for any user of an actuarial valuation to understand and accept this constraint. The actuarial model may use approximations and estimates that will have an immaterial impact on our results. In addition, the actuarial assumptions may change over time, and while this can have a significant impact on the reported results, it does not mean that the previous assumptions or results were unreasonable or wrong.

Section 1: Actuarial Valuation Summary

The user of Segal's actuarial valuation (or other actuarial calculations) should keep the following in mind:

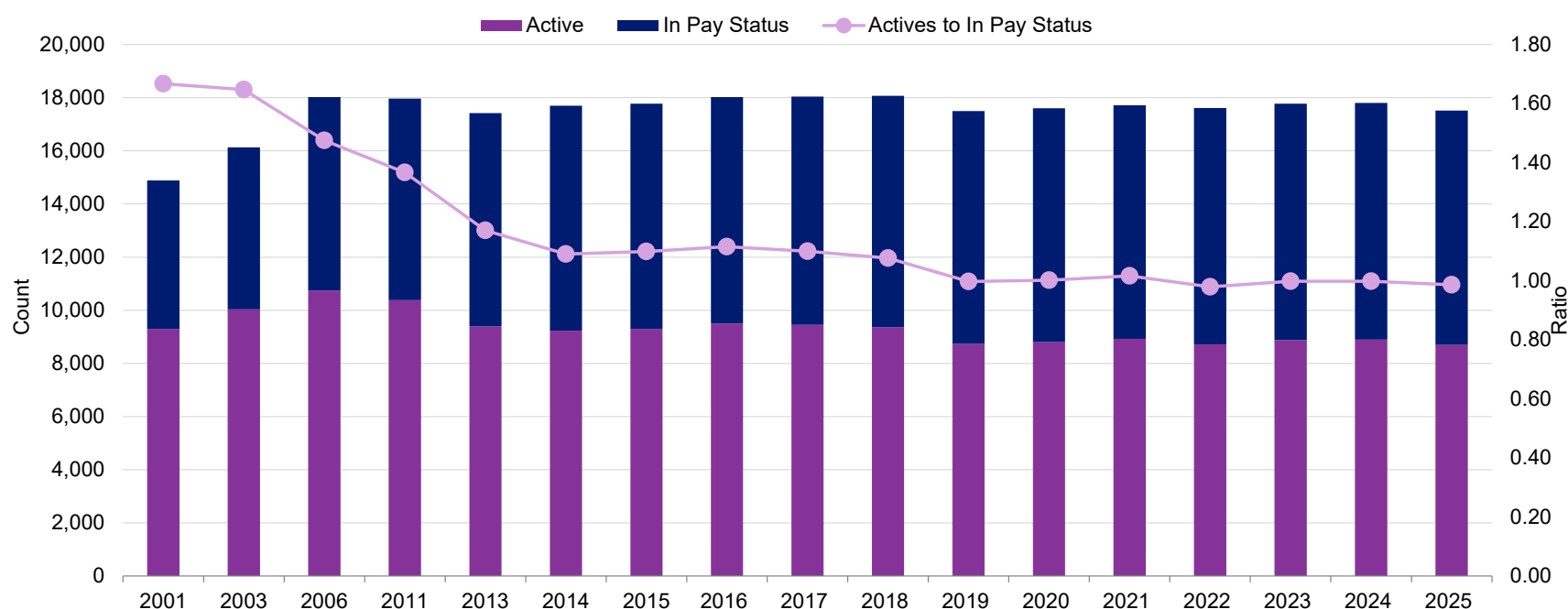
- The actuarial valuation is prepared at the request of the System. Segal is not responsible for the use or misuse of its report, particularly by any other party.
- An actuarial valuation is a measurement at a specific date — it is not a prediction of a plan's future financial condition. Accordingly, Segal did not perform an analysis of the potential range of financial measurements, except where otherwise noted.
- If the System is aware of any event or trend that was not considered in this valuation that may materially change the results of the valuation, Segal should be advised, so that we can evaluate it.
- Segal does not provide investment, legal, accounting, or tax advice and is not acting as a fiduciary to the Retirement Plan. The valuation is based on Segal's understanding of applicable guidance in these areas and of the System's provisions, but they may be subject to alternative interpretations. The System should look to their other advisors for expertise in these areas.
- While Segal maintains extensive quality assurance procedures, an actuarial valuation involves complex computer models and numerous inputs. In the event that an inaccuracy is discovered after presentation of Segal's valuation, Segal may revise that valuation or make an appropriate adjustment in the next valuation.
- Segal's report shall be deemed to be final and accepted by the System upon delivery and review. Trustees should notify Segal immediately of any questions or concerns about the final content.

Section 2: Actuarial Valuation Results

Member information

There are inactive members with rights to deferred vested pensions or refund of employee contributions that are not shown in the chart below. For purposes of this valuation, the potential liability for such inactive members is reflected.

Member Population as September 30



Legend	2001	2003	2006	2011	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
In Pay Status	5,581	6,093	7,282	7,592	8,024	8,465	8,465	8,520	8,592	8,702	8,761	8,792	8,783	8,899	8,894	8,909	8,819
Active	9,303	10,037	10,739	10,376	9,393	9,227	9,303	9,499	9,448	9,368	8,736	8,804	8,928	8,712	8,879	8,892	8,698
Ratio	1.67	1.65	1.47	1.37	1.17	1.09	1.10	1.11	1.10	1.08	1.00	1.00	1.02	0.98	1.00	1.00	0.99

Section 2: Actuarial Valuation Results

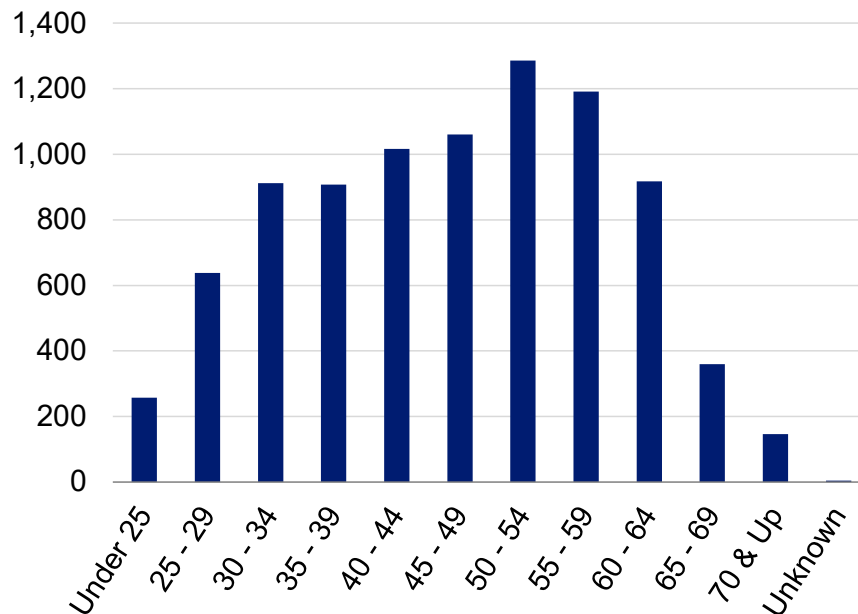
Active members

As of September 30,	2025	2024	Change
Active participants	8,698	8,892	-2.2%
Average age	47.1	46.7	0.4
Average years of credited service	12.5	12.5	0.0
Average compensation ¹	\$51,845	\$51,174	1.3%

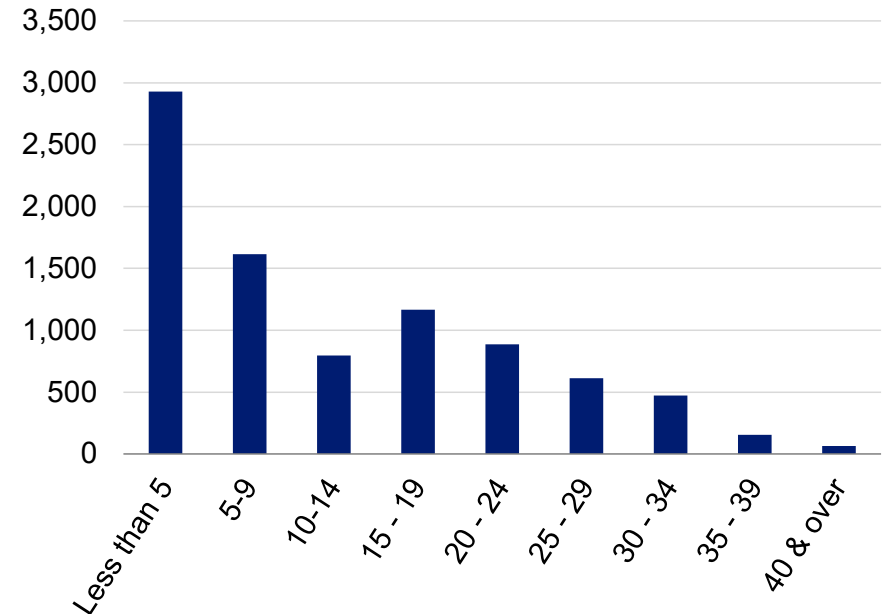
Among the active members, there are 6,139 Tier 2² employees as compared to 6,081 in the prior year.

Distribution of Active Members as of September 30, 2025

Actives by Age



Actives by Years of Credited Service



¹ Compensation for Regular and Public Safety Employees is limited to a maximum of \$65,000

² Tier 2 employees are those employees hired on or after October 1, 2005.

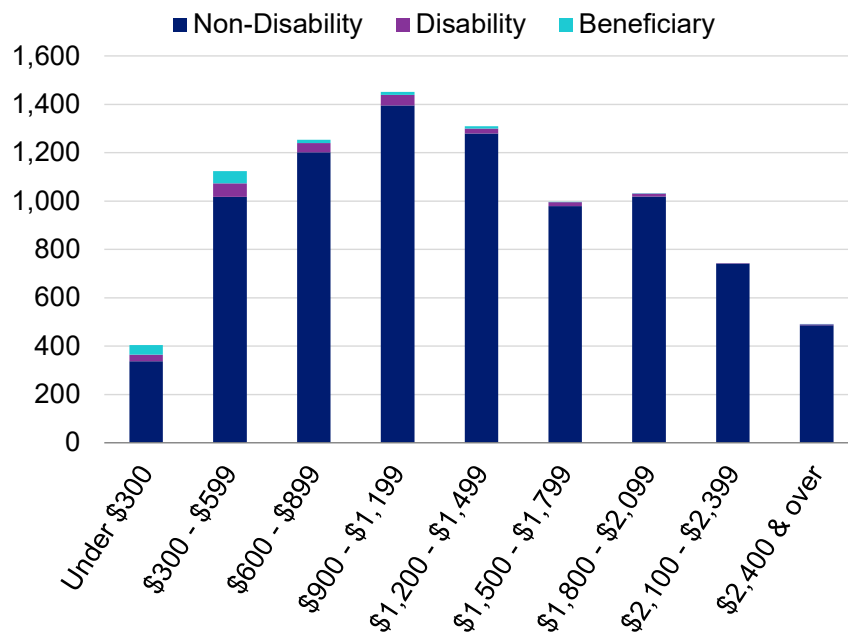
Section 2: Actuarial Valuation Results

Retired members and beneficiaries

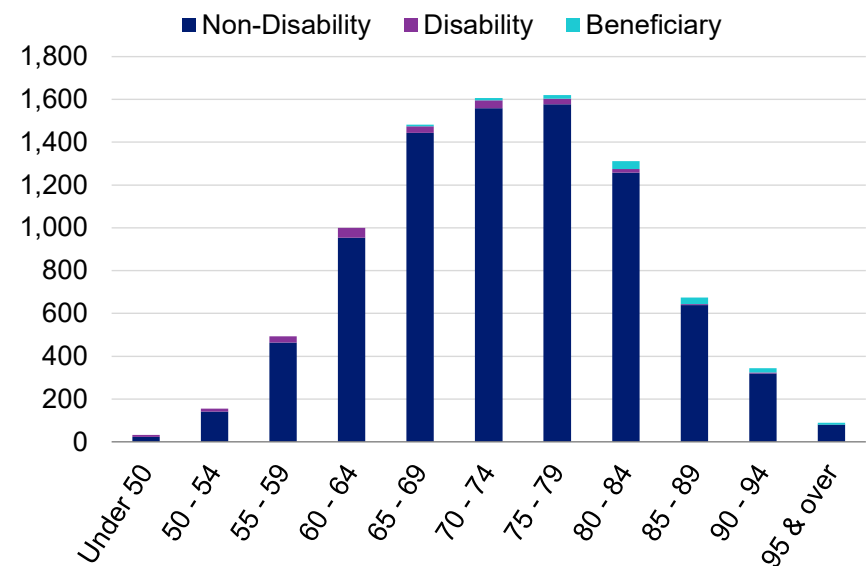
As of September 30,	2025	2024	Change
Retired participants	8,688	8,715	-0.3%
Beneficiaries	131	194	-32.5%
Average age	73.3	73.1	0.2
Average semi-monthly amount	\$1,299	\$1,282	1.3%
Total semi-monthly amount	11,453,613	11,418,200	0.3%

Distribution of Retired Members and Beneficiaries as of September 30, 2025

By Type and Semi-Monthly Amount



By Type and Age



Section 2: Actuarial Valuation Results

Historical plan population

Member Data Statistics: 2001 - 2025
Active Participants versus Retired Participants and Beneficiaries

Year Ended September 30	Active Count	Active Average Age	Active Average Service	Pay Status Count	Pay Status Average Age	Pay Status Average Monthly Amount
2001	9,303	44.4	13.3	5,581	66.2	\$826
2003	10,037	45.2	14.5	6,093	67.3	863
2006	10,739	45.1	14.0	7,282	68.6	928
2011	10,376	45.7	13.9	7,592	69.4	1,104
2013	9,393	46.3	14.6	8,024	69.5	1,157
2014	9,227	46.2	14.4	8,465	69.7	1,168
2015	9,303	46.5	14.7	8,465	70.1	1,182
2016	9,499	46.3	14.5	8,520	70.5	1,192
2017	9,448	46.6	14.6	8,592	71.1	1,197
2018	9,368	46.8	14.5	8,702	71.2	1,210
2019	8,736	46.9	14.5	8,761	71.6	1,222
2020	8,804	46.9	14.3	8,792	71.9	1,235
2021	8,928	46.8	13.0	8,783	72.2	1,247
2022	8,712	46.7	12.7	8,899	72.4	1,256
2023	8,879	46.5	12.6	8,894	72.8	1,268
2024	8,892	46.7	12.5	8,909	73.1	1,282
2025	8,698	47.1	12.5	8,819	73.3	1,299

Section 2: Actuarial Valuation Results

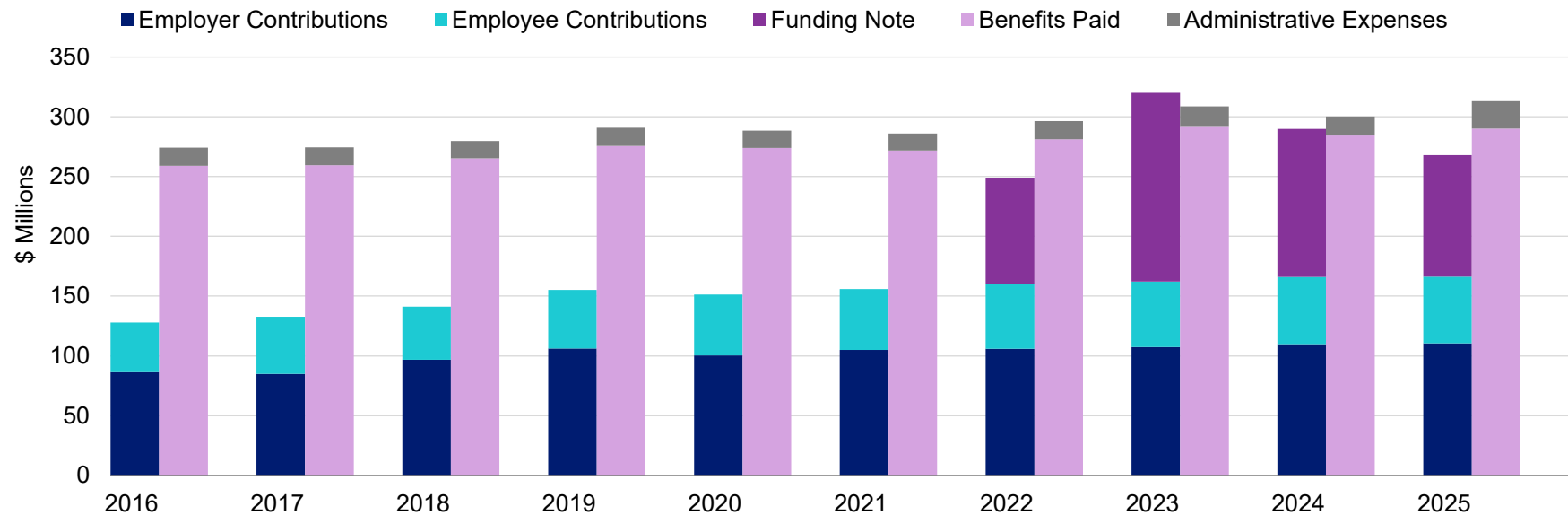
Financial information

Retirement plan funding anticipates that, over the long term, both contributions (less administrative expenses) and investment earnings (less investment fees) will be needed to cover benefit payments. Retirement plan assets change as a result of the net impact of these income and expense components.

Between 2016 and 2021, benefit payments and expenses had been significantly greater than contribution income. Starting in the year ended September 30, 2022, due to the receipt of the Funding Note payments, this gap decreased and in the year ended September 30, 2023, contribution income, including the Funding Note, exceeded benefit payments and administrative expenses.

Additional financial information, including a summary of transactions for the valuation year, is presented in Section 3, Exhibits C and D.

Comparison of Contributions Made with Benefits and Expenses Paid
for Years Ended September 30, 2016 - 2025



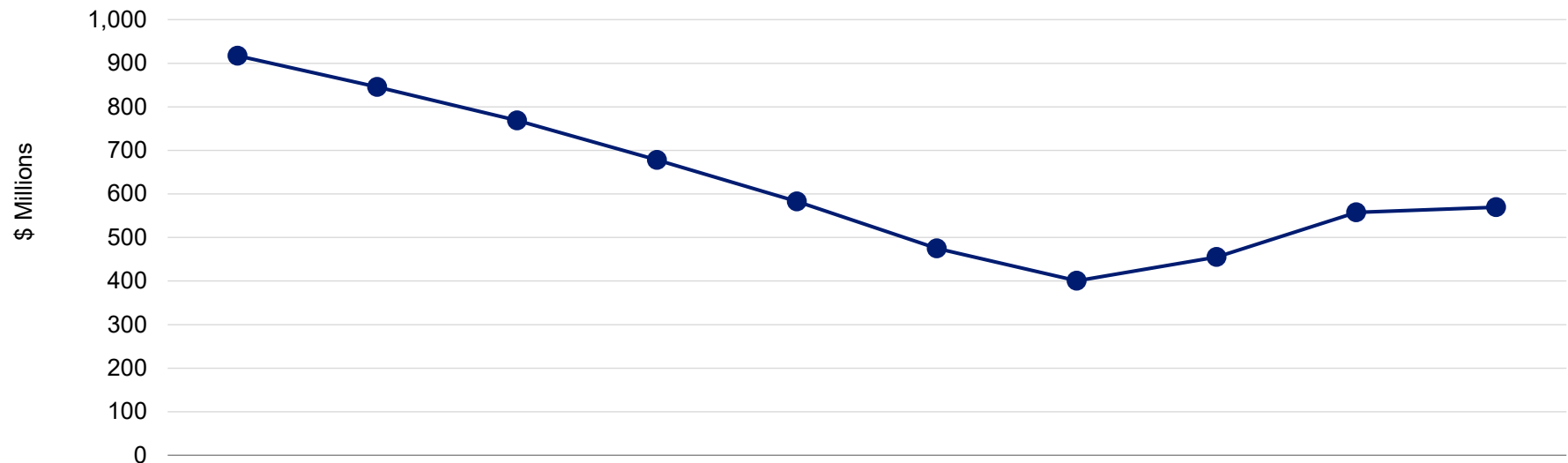
Section 2: Actuarial Valuation Results

Asset history for years ended September 30

The actuarial value is a representation of the System's financial status. The actuarial asset value is significant because the Plan's liabilities are compared to these assets to determine what portion, if any, remains unfunded. Amortization of the unfunded actuarial accrued liability is an important element in determining the contribution requirement.

Since September 30, 2015, the actuarial value is the same as the market value of assets. Once the short-term cash flow issues have been addressed, it is recommended that the Board review different asset valuation methods and consider using a method that provides more level and stable long-term costs.

Market Value of Assets



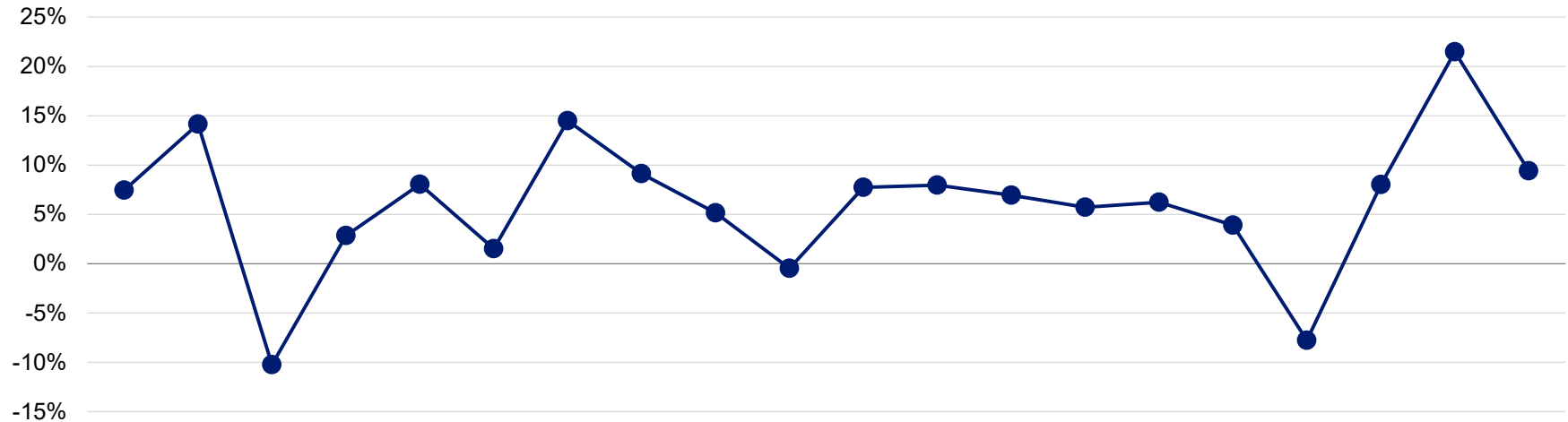
Legend	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
■ Market value ¹	\$917.16	\$845.47	\$768.82	\$678.12	\$582.54	\$475.13	\$400.33	\$455.38	\$557.36	\$569.69

¹ In \$ millions

Section 2: Actuarial Valuation Results

Historical investment returns

Market Rates of Return for Years ended September 30, 2006 - 2025



Legend	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Market rate	7.5%	14.1%	-10.2%	2.9%	8.1%	1.5%	14.5%	9.1%	5.1%	-0.5%	7.7%	8.0%	6.9%	5.7%	6.2%	3.9%	-7.8%	8.0%	21.5%	9.4%
Assumed rate	8.0%	8.0%	8.0%	8.0%	8.0%	8.0%	7.5%	7.5%	7.5%	7.5%	7.0%	7.0%	7.0%	7.0%	4.0%	4.0%	4.0%	6.0%	6.0%	6.0%

Average Rates of Return	Market Value
Most recent five-year average return:	7.4%
Most recent ten-year average return:	7.2%
Most recent 15-year average return:	6.6%
Most recent 20-year average return:	5.7%

Section 2: Actuarial Valuation Results

Actuarial experience

Assumptions should consider experience and should be based on reasonable expectations for the future. Each year actual experience is compared to that projected by the assumptions. Differences are reflected in the actuarial valuation.

Assumptions are not changed if experience is believed to be a short-term development that will not continue over the long term. On the other hand, if experience is expected to continue, assumptions are changed. The other experience, or demographic gain, was due to several factors but when compared to the total liability of the System, it was not considered significant.

Actuarial Experience for Year Ended September 30, 2025

Source	Amount
1. Net gain from investments	\$20,069,337
2. Loss from administrative expenses	-6,891,054
3. Net gain from other experience (0.5% of total liability)	19,402,182
4. Net experience gain/(loss): 1 + 2 + 3 +4	\$32,580,465

Section 2: Actuarial Valuation Results

Investment experience

Actuarial planning is long term. The obligations of a pension plan are expected to continue for the lifetime of all its participants.

The assumed long-term rate of return of 6.00% considers past experience, the asset allocation policy of the Board and future expectations. The actual return for the year ended September 30, 2025 was more than the assumed return, and as a result the System experienced an actuarial gain with regard to its investments.

Investment Experience for Year Ended September 30, 2025

Item	Value
1. Net investment income	\$55,269,924
2. Average value of assets	586,676,445
3. Rate of return: $1 \div 2$	9.42%
4. Assumed rate of return	6.00%
5. Expected investment income: 2×4	\$35,200,587
6. Net investment gain/(loss): $1 - 5$	\$20,069,337

Section 2: Actuarial Valuation Results

Non-investment experience

Administrative expenses

Administrative expenses for the year ended September 30, 2025 totaled \$23,008,511, as compared to the assumption of \$16,300,000. This resulted in an experience loss of \$6,891,054 for the year, including an adjustment for interest.

Other experience

There are other differences between the expected and the actual experience that appear when the new valuation is compared with the projections from the previous valuation. These include:

- Mortality experience (more or fewer than expected deaths)
- The extent of turnover among members
- Retirement experience (earlier or later than projected)
- The number of disability retirements (more or fewer than projected)
- Salary increases (greater or smaller than projected)

Another difference may be a significant change in the participant data or changes resulting from valuing the potential liability for current inactive vested members that may be eligible for future benefits.

The net gain from this other experience for the year ended September 30, 2025 amounted to \$19,402,182, which is 0.5% of the actuarial accrued liability and is not considered significant.

Section 2: Actuarial Valuation Results

Actuarial assumptions

- The administrative expense assumption was increased from \$16,300,000 to \$18,000,000 for the year beginning October 1, 2025.

Plan provisions

- There were no changes in plan provisions since the prior valuation.

Contribution rates

- There were no changes in member or employer contribution rates since the prior valuation.

Section 2: Actuarial Valuation Results

Unfunded actuarial accrued liability

Development of Unfunded Actuarial Accrued Liability for Year Ended September 30, 2025

Component	Amount
1. Unfunded actuarial accrued liability at beginning of year	\$3,351,997,801
2. Normal cost at beginning of year including administrative expenses	61,586,583
3. Total contributions	-267,955,698
4. Interest on 1, 2 & 3	193,729,251
5. Expected unfunded actuarial accrued liability	3,339,357,937
6. Changes due to net experience gain	-32,580,465
7. Unfunded actuarial accrued liability at end of year	\$3,306,777,472

Section 2: Actuarial Valuation Results

Actuarially determined employer contribution (ADEC)

The actuarially determined contribution is equal to the employer normal cost payment and a payment on the unfunded actuarial accrued liability. For fiscal year ending September 30, 2026, the actuarially determined contribution is \$345,499,692, or 76.62% of projected payroll.

The Board has previously set the funding policy used to calculate the ADEC based on a fixed open amortization period of 20 years. As a result of the open amortization period, the unfunded liability will not be fully amortized over the next 20 years. Over that time period, and assuming the entire actuarially determined contribution is contributed each year, 39% of the unfunded liability is projected to be paid off. As indicated in our Actuarial Experience Study as of September 30, 2022, the Board may want to consider adopting an alternative funding policy that would amortize the unfunded liability in a shorter time period in the future once the System is able to work past the short-term solvency issues.

The ADEC determined as of September 30, 2025 and to be paid in the fiscal year ending September 30, 2025 is based on the data previously described, the actuarial assumptions and plan provisions described in Section 4, including all changes affecting future costs adopted at the time of the actuarial valuation, actuarial gains and losses, and changes in actuarial assumptions.

Section 2: Actuarial Valuation Results

Actuarially Determined Employer Contribution for Year Ending September 30

Component	2026 Amount	2026 Percent of Projected Payroll	2025 Amount	2025 Percent of Projected Payroll
1. Normal cost	\$45,387,979	10.06%	\$45,790,796	10.06%
2. Administrative expenses (beginning of year)	17,443,200	3.87%	15,795,787	3.47%
3. Employer normal cost: (1) + (2)	62,831,179	13.93%	61,586,583	13.53%
4. Actuarial accrued liability	3,876,469,661		3,909,357,045	
5. Actuarial value of assets	569,692,189		557,359,244	
6. Unfunded actuarial accrued liability: (4) - (5)	3,306,777,472		3,351,997,801	
7. Payment on unfunded actuarial accrued liability	271,981,065	60.31%	275,700,418	60.59%
8. Adjustment for timing	10,687,448	2.37%	10,766,444	2.37%
9. Actuarially determined contribution: (3) + (7) + (8)	\$345,499,692	76.62%	\$348,053,445	76.49%
10. Projected employer contribution	105,972,989	23.50%	106,935,051	23.50%
11. Projected member contribution	53,947,826	11.96%	54,376,825	11.95%
12. Funding Note	59,795,648	13.26%	101,571,380	22.32%
13. Total expected contributions: (10) + (11) + (12)	219,716,463	48.72%	262,883,256	57.77%
14. Actuarially determined employer contribution: (9) - (11)	\$291,551,867	64.65%	\$293,676,620	64.54%
15. Shortfall: (14) – (10) – (12)	125,783,230	27.89%	85,170,189	18.72%
16. Projected payroll	450,948,891		455,042,770	

Section 2: Actuarial Valuation Results

Reconciliation of actuarially determined employer contribution

The chart below details the changes in the actuarially determined employer contribution from the prior valuation to the current year's valuation.

Reconciliation of Actuarially Determined Employer Contribution from Fiscal Year Ending September 30, 2025 to September 30, 2026

Component	Amount	% of Payroll
Actuarially determined employer contribution for year ending September 30, 2025	\$293,676,620	64.54%
Changes in Actuarially Determined Employer Contribution:		
• Effect of open amortization period	-7,842,902	-1.72%
• Effect of change in administrative expense assumption	1,700,000	0.37%
• Effect of contributions less than actuarially determined contribution	6,847,367	1.50%
• Effect of Investment gain	-1,750,986	-0.38%
• Effect of other gains and losses on accrued liability	-1,091,556	-0.24%
• Net effect of other changes, including composition and number of members	13,324	0.00%
• Total change	-\$2,124,753	-0.47%
Total change in percentage due to payroll change		0.58%
Actuarially determined employer contribution for year ending September 30, 2026	\$291,551,867	64.65%

Section 2: Actuarial Valuation Results

Comparison of Tier 1 to Tier 2 active participants

The chart below details the comparison of Tier 1 to Tier 2 active participants as of September 30, 2025. Tier 2 employees are those employees hired on or after October 1, 2005.

Active participant demographics as of September 30, 2025

Item	Tier 1	Tier 2
Active members:	2,559	6,139
• Total projected payroll	\$148,485,049	\$302,463,842
• Actuarial accrued liability	951,831,538	231,538,643
• Normal cost	19,714,851	25,673,128
• Normal cost as a percent of projected payroll	13.3%	8.5%

Section 2: Actuarial Valuation Results

History of employer contributions

History of Employer Contributions: 2006-2026

Fiscal Year Ended September 30	Actuarially Determined Employer Contribution (ADEC) ¹	Actual Employer Contributions	GERS Funding Note	Percent of ADEC Contributed
2006 ²	\$131,059,471	\$65,061,430	—	50%
2007	137,797,268	60,778,382	—	44%
2008 ²	138,488,871	75,871,146	—	55%
2009 ²	147,490,851	80,177,004	—	54%
2010 ²	157,817,709	77,004,630	—	49%
2011 ²	162,841,336	80,849,762	—	50%
2012	178,644,349	66,677,155	—	37%
2013 ²	172,439,842	64,431,322	—	37%
2014	189,715,251	68,298,617	—	36%
2015	200,089,791	72,287,934	—	36%
2016	247,158,137	86,346,838	—	35%
2017	250,574,023	84,802,335	—	34%
2018	267,743,116	96,747,868	—	36%
2019	277,523,563	106,184,026	—	38%
2020	365,803,372	100,422,478	—	27%
2021	373,748,689	104,844,144	—	28%
2022	361,771,924	105,883,097	\$89,198,738	54%
2023	311,958,096	107,398,147	157,996,500	85%
2024	304,268,206	109,833,501	123,996,500	77%
2025	293,676,620	110,410,246	101,571,380	72%
2026	291,551,867	Not yet available	59,795,648	Not yet available

¹ The ADEC is the actuarially determined contributions, net of projected member contributions.

² Estimated based on prior year's actuarial valuation

Section 2: Actuarial Valuation Results

Low-Default-Risk Obligation Measure (LDROM)

Actuarial Standard of Practice No. 4 (ASOP 4) *Measuring Pension Obligations and Determining Pension Plan Costs or Contributions*, requires the disclosure of a Low-Default-Risk Obligation Measure (LDROM) when performing a funding valuation. The LDROM presented in this report is calculated using the same methodology and assumptions used to determine the Actuarial Accrued Liability (AAL) used for funding, except for the discount rate. The LDROM is required to be calculated using “a discount rate...derived from low-default-risk fixed income securities whose cash flows are reasonably consistent with the pattern of benefits expected to be paid in the future.”

The LDROM is a calculation assuming a plan’s assets are invested in an all-bond portfolio, generally lowering expected long-term investment returns. The discount rate selected and used for this purpose is the Bond Buyer General Obligation 20-year Municipal Bond Index Rate, published at the end of each week. The last published rate in September of the measurement period, by The Bond Buyer, is 4.90% for use effective September 30, 2025. This is the rate used to determine the discount rate for valuing reported public pension plan liabilities in accordance with Governmental Accounting Standards when plan assets are projected to be insufficient to make projected benefit payments, and the 20-year period reasonably approximates the duration of plan liabilities. The LDROM is not used to determine a plan’s funded status or Actuarially Determined Contribution. The plan’s expected return on assets, currently 6.00%, is used for these calculations.

As of September 30, 2025, the LDROM for the system is \$4,318,041,308. The difference between the plan’s AAL of \$3,876,469,661 and the LDROM can be thought of as the increase in the AAL if the entire portfolio were invested in low-default-risk securities. Alternatively, this difference could also be viewed as representing the expected savings from investing in the plan’s diversified portfolio compared to investing only in low-default-risk securities.

ASOP 4 requires commentary to help the intended user understand the significance of the LDROM with respect to the funded status of the plan, plan contributions, and the security of participant benefits. In general, if plan assets were invested exclusively in low-default-risk securities, the funded status would be lower and the Actuarially Determined Contribution would be higher. While investing in a portfolio with low-default-risk securities may be more likely to reduce investment volatility and the volatility of employer contributions, it also may be more likely to result in higher employer contributions or lower benefits.

Section 2: Actuarial Valuation Results

Risk

The actuarial valuation results are dependent on a single set of assumptions; however, there is a risk that emerging results may differ significantly as actual experience proves to be different from the current assumptions.

For each of the past several years, we have provided sensitivity and scenario projections to highlight the impact of varying investment returns, lower employment levels, changes in contribution requirements and plan design including potential benefit reductions. These risk assessments and projections are important for the Board because:

- The System's assets are projected to decline as benefit and expense outflow may exceed contribution and expected investment income, even after reflecting the expected revenue from the GERS Funding Note.
- While the Rum Cover-Over rate increased from \$10.50 to \$13.25 after December 31, 2025, there is still a risk that the actual Funding Note payouts would be lower than originally anticipated due to lower overall demand in rum consumption.
- They provide the Board with possible recommendations to the Governor and the Legislature on potential changes in the plan of benefits and additional contributions required for the System to remain solvent in the short-term and long-term, and
- The outlook for financial markets, future employment levels and economic activity in the US Virgin Islands is uncertain.

Some examples of risks that may affect the System include:

- Investment Risk (the risk that returns will be different than expected)

If the plan earns the assumed return on assets of 6.0% for all future years and reflecting the GERS Funding Note, assets are projected to decline and reach a low of \$135.3 million in the year ending September 30, 2038.

If the plan earns an annual 4.0% return on assets for all future years, assets are projected to decline and reach a low of \$18.0 million in the year ending September 30, 2038. Assets are projected to increase after that.

The market value rate of return over the last 20 years has ranged from a low of -10.2% to a high of 21.5%.

- Longevity Risk (the risk that mortality experience will be different than expected)

The actuarial valuation includes an expectation of future improvement in life expectancy. Emerging plan experience that does not match these expectations will result in either an increase or decrease in the actuarially determined contribution.

- Employment level and Contribution Risk (the risk that actual contributions and employment levels will be less than expected)

Projected contributions include expected GERS Funding Note revenue through September 30, 2052 based on anticipated amounts. If actual amount received are less than expected, it may impact the solvency of the System. Thus far, October 2023, 2024, and 2025 installment amounts have fallen short of the expected amount by a total of \$112 million.

Section 2: Actuarial Valuation Results

- Demographic Risk (the risk that participant experience will be different than assumed)

Examples of this risk include:

- Actual retirements occurring earlier or later than assumed. The value of retirement plan benefits is sensitive to the rate of benefit accruals and any early retirement subsidies that apply. While it is difficult to quantify the impact of potential experience, earlier retirements would generally result in higher cost for your plan.
- More or less active participant turnover than assumed.

- Actual Experience Over the Last 20 Years and Implications for the Future

Past experience can help demonstrate the sensitivity of key results to the Plan's actual experience. Over the past 20 years:

- The Plan's funding policy requires payment for the ADEC. As indicated in this report, the amount contributed has been significantly less than the ADEC (see Section 2: History of Employer Contributions) for at least the past 20 years. As a result, the ADEC has increased over that period from 35% of pay in 2007 to 65% of pay as of September 30, 2025.
- The historical shortfall in the contributions to the System has resulted in higher negative cash flows, declining assets and increasing unfunded actuarial liabilities. While the additional contributions coming from the GERS Funding Note since 2022 has mitigated this shortfall and the decline in assets over the past couple of years, assets are projected to decline over the next 10-15 years as noted above, if additional measures are not taken.

- Maturity Measures

As of September 30, 2025, the retired life actuarial accrued liability represents 67% of the total actuarial accrued liability. The higher the non-active actuarial accrued liability is as a percent of the total liability, the greater the potential for volatility in results.

Section 2: Actuarial Valuation Results

Actuarial balance sheet

An overview of the Plan's funding is given by an Actuarial Balance Sheet. In this approach, first the amount and timing of all future payments that will be made by the Plan for current members is determined. Then these payments are discounted at the valuation interest rate to the date of the valuation, thereby determining the present value, referred to as the "liability" of the Plan.

Second, this liability is compared to the assets. The "assets" for this purpose include the net amount of assets already accumulated by the Plan, the present value of future member contributions, the present value of future employer normal cost contributions, and the present value of future employer amortization payments for the unfunded actuarial accrued liability.

Actuarial Balance Sheet

Description	Year Ended September 30, 2025	Year Ended September 30, 2024
Liabilities		
Present value of benefits for retired members and beneficiaries	\$2,602,060,557	\$2,609,906,519
Present value of benefits for inactive vested members	91,038,923	103,919,056
Present value of benefits for active members	1,491,840,283	1,511,192,723
Total liabilities	\$4,184,939,763	\$4,225,018,298
Current and future assets		
Total valuation value of assets	\$569,692,189	\$557,359,244
Present value of future contributions by members	395,115,105	402,880,454
Present value of future employer contributions:	3,220,132,469	3,264,778,600
Total of current and future assets	\$4,184,939,763	\$4,225,018,298

Section 3: Supplemental Information

Exhibit A: Table of plan demographics

Demographic Data	September 30, 2025	September 30, 2024	Change
Active members in valuation:			
• Number	8,698	8,892	-2.2%
• Average age	47.1	46.7	0.4
• Average years of credited service	12.5	12.5	0.0
• Total projected payroll	\$450,948,891	\$455,042,770	-0.9%
• Average compensation	\$51,845	\$51,174	1.3%
• Total active vested members	4,154	4,306	-3.5%
Retired members:			
• Number in pay status	8,688	8,715	-0.3%
• Average age	73.2	72.9	0.3
• Average semi-monthly benefit	\$1,310	\$1,299	0.8%
Beneficiaries:			
• Number in pay status	131	194	-32.5%
• Average age	83.1	83.9	-0.8
• Average semi-monthly benefit	\$567	\$499	13.6%

Section 3: Supplemental Information

Exhibit B: Members in active service as of September 30, 2025 by age and years of credited service, and average compensation¹

Age	Years of Credited Service									
	Total	0-4	5-9	10-14	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 & Up
Under 25	257	252	5	—	—	—	—	—	—	—
	\$41,273	\$41,116	\$49,187	—	—	—	—	—	—	—
25 - 29	638	535	102	1	—	—	—	—	—	—
	\$47,397	\$46,943	\$49,609	\$65,000	—	—	—	—	—	—
30 - 34	912	509	342	58	3	—	—	—	—	—
	\$47,751	\$46,247	\$49,033	\$53,573	\$44,333	—	—	—	—	—
35 - 39	908	362	296	159	87	4	—	—	—	—
	\$50,002	\$47,746	\$48,424	\$54,292	\$56,323	\$62,950	—	—	—	—
40 - 44	1,017	335	216	138	238	81	9	—	—	—
	\$52,008	\$50,809	\$48,020	\$52,280	\$54,846	\$57,970	\$59,472	—	—	—
45 - 49	1,061	259	151	101	220	245	64	21	—	—
	\$53,916	\$49,487	\$49,886	\$54,117	\$55,441	\$57,989	\$58,598	\$58,773	—	—
50 - 54	1,286	245	158	102	207	232	195	144	3	—
	\$54,899	\$48,924	\$51,284	\$55,530	\$53,788	\$57,233	\$59,384	\$60,317	\$56,321	—
55 - 59	1,192	195	134	91	193	170	173	173	60	3
	\$54,338	\$49,422	\$48,184	\$51,591	\$53,156	\$54,133	\$59,473	\$60,260	\$60,407	\$60,587
60 - 64	917	152	134	86	133	102	122	100	58	30
	\$52,761	\$47,522	\$49,463	\$51,804	\$50,196	\$52,298	\$57,740	\$58,801	\$59,334	\$56,644
65 - 69	360	55	56	40	63	38	39	25	27	17
	\$52,739	\$50,129	\$48,917	\$53,452	\$50,747	\$48,596	\$54,442	\$61,752	\$60,881	\$58,646
70 & Up	146	25	22	20	21	14	13	8	8	15
	\$55,641	\$45,117	\$45,700	\$62,487	\$48,587	\$64,420	\$54,364	\$60,024	\$84,646	\$63,610
Unknown	4	4	—	—	—	—	—	—	—	—
	\$48,002	\$48,002	—	—	—	—	—	—	—	—
Total	8,698	2,928	1,616	796	1,165	886	615	471	156	65
	\$51,845	\$47,494	\$49,039	\$53,627	\$53,708	\$56,115	\$58,583	\$59,977	\$61,254	\$58,957

¹ Compensation for Regular and Public Safety Employees is limited to a maximum of \$65,000.

Section 3: Supplemental Information

Exhibit C: Summary statement of income and expenses on a market value basis

Item	Year Ended September 30, 2025	Year Ended September 30, 2024
Contribution and other income:		
• Employer contributions	\$110,410,246	\$109,833,501
• Employee contributions	55,974,072	56,181,602
• Funding Note	101,571,380	123,996,500
• Other income	2,226,664	2,206,735
– Total contribution and other income	\$270,182,362	\$292,218,338
Investment income:		
• Investment income	\$55,435,200	\$110,358,371
• Less investment fees	-165,276	-173,697
– Net investment income	\$55,269,924	\$110,184,674
Benefit payments and expenses:		
• Administrative expenses	-\$23,008,511	-\$15,951,983
• Benefits paid to members	-281,726,319	-275,443,064
• Refunds member-contributions	-8,384,511	-9,033,096
– Total benefit payments and expenses	-\$313,119,341	-\$300,428,143
Change in market value of assets	\$12,332,945	\$101,974,869
Market value of assets, beginning of the year	\$557,359,244	\$455,384,375
Market value of assets, end of the year	\$569,692,189	\$557,359,244

Section 3: Supplemental Information

Exhibit D: History of financial information

Year Ended September 30	Employer Contributions	Employee Contributions	Funding Note	Other Income	Net Investment Return ¹	Admin. Expenses	Benefit Payments	Market Value of Assets at Year-End ²
2016	\$86,346,838	\$41,459,511	—	\$1,599,307	\$70,993,934	\$15,267,630	\$259,011,168	\$917,162,043
2017	84,802,335	47,925,193	—	2,641,472	67,401,361	14,997,033	259,464,878	845,470,493
2018	96,747,868	44,481,827	—	7,880,224	54,077,199	14,505,786	265,331,162	768,820,663
2019	106,183,907	49,035,132	—	4,820,140	40,161,690	15,162,645	275,738,622	678,120,265
2020	100,422,478	50,861,064	—	3,642,816	38,093,939	14,688,038	273,912,786	582,539,738
2021	104,844,144	50,991,005	—	2,664,549	20,247,557	14,282,647	271,876,439	475,127,907
2022	105,883,097	54,172,778	\$89,198,738	7,695,671	-35,316,275	15,196,848	281,234,077	400,330,991
2023	107,398,147	54,757,299	157,996,500	4,758,140	39,039,526	16,575,143	292,321,085	455,384,375
2024	109,833,501	56,181,602	123,996,500	2,206,735	110,184,674	15,951,983	284,476,160	557,359,244
2025	110,410,246	55,974,072	101,571,380	2,226,664	55,269,924	23,008,511	290,110,830	569,692,189

¹ Net of investment fees

² The actuarial value of assets is equal to market value of assets

Section 4: Actuarial Valuation Basis

Exhibit E: Actuarial assumptions, methods and models

Rationale for assumptions

The assumptions and methods used in this valuation are based on the results of the Actuarial Experience Study as of September 30, 2022 for the five-year period October 31, 2017 through September 30, 2022, with the net investment return assumption updated for the September 30, 2022 valuation based on the asset allocation policy at that time. All assumptions were approved by the Board of Trustees. Current data is reviewed in conjunction with each annual valuation. Assumption changes are disclosed at the end of this exhibit.

Net investment return

6.00%. The net investment return assumption is a long-term estimate derived from historical data, current and recent market expectations, and professional judgment. As part of the analysis, a building block approach was used that reflects inflation expectations and anticipated risk premiums for each of the portfolio's asset classes as provided by the System's investment consultants as well as the System's target asset allocation and the System's cash flow and potential solvency issues.

Salary increases

5.00% per year for the plan years ending September 30, 2026, and 4.00% thereafter.

Section 4: Actuarial Valuation Basis

Mortality rates

Healthy: Pub-2010 General Below-Median Amount-Weighted Employee and Healthy Annuitant Mortality Tables (95% load for Males) with generational projection using Scale MP-2021.

Disabled: Pub-2010 Non-Safety Amount-Weighted Disabled Annuitant Mortality Table with generational projection using Scale MP-2021.

Contingent survivors: Pub-2010 General Below-Median Amount-Weighted Contingent Survivor Mortality Table with generational projection using Scale MP-2021.

The underlying tables with generational projection to the ages of members as of the measurement date reasonably reflect the mortality experience of the System as of the measurement date. These mortality tables were then adjusted to future years using the generational projection to reflect future mortality improvement between the measurement date and those years.

Termination rates (%) before retirement

Age	Disability for Regular Members	Disability for Public Safety Members	Withdrawal ¹ for Regular and Public Safety Members
20	0.03	0.05	17.46
25	0.03	0.05	18.51
30	0.03	0.05	12.19
35	0.03	0.06	8.78
40	0.05	0.09	7.00
45	0.09	0.18	6.21
50	0.20	0.40	5.63
55	0.43	0.85	2.92
60	0.87	1.74	2.20

No withdrawal and disability rates assumed for judges and legislature members.

¹ Withdrawal rates do not apply at or beyond early retirement age. For those with under 9 years of service, a flat rate of 3.50%.

Section 4: Actuarial Valuation Basis

Retirement rates (%) for active participants

Regular Members:

Age	<30 Years of Service	>=30 Years of Service	Age	<30 Years of Service	>=30 Years of Service
50-58	3.0	15.0	65	15.0	35.0
59	8.0	15.0	66	25.0	30.0
60-61	10.0	18.0	67-70	20.0	30.0
62-63	12.5	28.0	71 & older	100.0	100.0
64	12.5	30.0			

Public Safety Members:

Age	Rate	Age	Rate
<50 with at least 20 years of service	7.5	61	15.0
50-58	7.5	62-64	20.0
59	15.0	65 & older	100.0
60	10.0		

Judges: 100% at earlier of age 50 with at least 20 years of service or age 70 with at least six years of service.

Legislature: 100% at earlier of any age with at least 20 years of service or age 60 with at least six years of service.

Retirement rates for inactive vested participants

100% at age 65 or older

Unknown data for members

Same as those exhibited by members with similar known characteristics. If not specified, members are assumed to be male.

Section 4: Actuarial Valuation Basis

Adjustment to Inactive Vested Data

Service information for inactive vested participants was determined based on dates of hire and termination, if available. If not available, inactive vested participants were assumed to have ten years of service as of the valuation date. Vested benefit amounts were estimated based on participant's salary and assumed service. If salary is unknown, salary is assumed to be the same as that for individuals with similar characteristics and known salary.

Percent married

80%

Age of spouse

Females three years younger than males

Benefit election

All participants are assumed to elect the single life annuity form of payment.

Administrative expenses

\$18,000,000 payable monthly for the plan year beginning October 1, 2025.

Actuarial value of assets

At market value

Actuarial cost method

Entry Age Normal Actuarial Cost Method. Entry Age is the age at the time the participant commenced employment, based on the dater of hire provided by the Fund Office. Normal Cost and Actuarial Accrued Liability are calculated on an individual basis and are allocated as a level percent of salary with Normal Cost determined as if the current benefit accrual rate of the participant's job category and tier of benefits had always been in effect.

Section 4: Actuarial Valuation Basis

Models

Segal valuation results are based on proprietary actuarial modeling software. The actuarial valuation models generate a comprehensive set of liability and cost calculations that are presented to meet regulatory, legislative and client requirements.

Deterministic cost projections are based on a proprietary forecasting model. Our Actuarial Technology and Systems unit, comprised of both actuaries and programmers, is responsible for the initial development and maintenance of these models. The models have a modular structure that allows for a high degree of accuracy, flexibility and user control. The client team programs the assumptions and the plan provisions, validates the models, and reviews test lives and results, under the supervision of the responsible actuary.

Justification for change in actuarial assumptions

Based on past experience and future expectations, the following actuarial assumption was changed effective with this valuation:

- Administrative expenses, previously \$16.3 million.

Section 4: Actuarial Valuation Basis

Exhibit F: Summary of plan provisions

This exhibit summarizes the major provisions of the Plan included in the valuation. It is not intended to be, nor should it be interpreted as, a complete statement of all plan provisions.

Plan year

October 1 through September 30

Plan status

Ongoing

Service pension

Regular Employees

Tier 1

Eligibility 60 with 10 years of service or any age with 30 years of service

Amount 2.5% of Final Average Salary¹ per year of service up to 100%

Tier 2

Eligibility 65 with 10 years of service

Amount 1.75% of Career Average Salary¹ per year of service up to 100%

Public Safety Employees

Tier 1

Eligibility 55 with 10 years of service or any age with 20 years of service

Amount 3.0% of Final Average Salary¹ per year of service up to 90%

Tier 2

Eligibility 60 with 10 years of service or age 58 with 25 years of service

Amount 1.75% of Career Average Salary¹ per year of service under 20 years and 2.10% of Career Average Salary¹ per year of service for service greater than or equal to 20 years, up to 90%

¹ Final Average Salary for Regular and Public Safety Employees is based on the average of the highest annual salary up to a maximum of \$65,000 for any five years in the last 10 years. Career Average Salary is also limited to a maximum of \$65,000 for each year of service.

Section 4: Actuarial Valuation Basis

Legislature

Tier 1

Eligibility	50 with 6 years of service or any age with 20 years of service
Amount	2.5% of highest compensation for years 1 through 6 3.0% of highest compensation for years 7 through 12 4.0% of highest compensation for years above 12, up to a maximum of 75%

Tier 2

Eligibility	60 with 6 years of service
Amount	3.5% of highest compensation for years 1 through 6 4.0% of highest compensation for years 7 through 12 4.5% of highest compensation for years 13 through 20 5.0% of highest compensation for years above 20, up to a maximum of 100%

Judges

Eligibility	50 with 6 years of service
Amount	5% of highest compensation per year of service up to 100%

Early retirement

Regular Employees

Tier 1

Eligibility	50 with 10 years of service
Amount	Service Pension reduced 3.9% per year less than age 60

Tier 2

Eligibility	60 with 10 years of service
Amount	Service Pension reduced 3.9% per year less than age 65

Public Safety Employees

Tier 1

Eligibility	50 with 10 years of service
Amount	Service Pension reduced 3.9% per year less than age 55

Section 4: Actuarial Valuation Basis

Tier 2

Eligibility	55 with 10 years of service
Amount	Service Pension reduced 3.9% per year less than age 60

Disability

Duty Connected Disability

Eligibility	Total and permanent disability as a result of performance of duty
Amount	Tier 1: 75% of salary (not to exceed \$65,000) less workers compensation Tier 2: 52.5% of salary (not to exceed \$65,000) less workers compensation

Non-Duty Connected Disability

Eligibility	9 years of service and total and permanent disability
Amount	Tier 1: 2.0% of Final Average Salary ¹ per year of service up to 60%, 20% minimum Tier 2: 1.4% of Final Average Salary ¹ per year of service up to 42%, 14% minimum

Vesting

Eligibility	10 years of service and leave contributions in System
Amount	Service pension accrued at termination

Severance benefit

Amount	Refund of contributions with 4% annual interest, if no other benefits payable
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Post-retirement COLA

Disabled pensioners	1% of the original retirement benefit each year up to age 60, 1.5% thereafter.
Pensioners	None
Survivor annuitants	None

¹ Final Average Salary for Regular and Public Safety Employees is based on the average of the highest annual salary up to a maximum of \$65,000 for any five years in the last 10 years. Career Average Salary is also limited to a maximum of \$65,000 for each year of service.

Section 4: Actuarial Valuation Basis

Pre-retirement death benefits

Duty Connected Death

Eligibility Death in service as a result of performance of duty

Amount Tier 1: Annuity of 40% of salary in effect on date of death to widow plus 10% of salary for each child up to age 18 to a maximum family benefit of 60% of salary. If no widow, 10% of salary is payable on behalf of each child under age 18 to a maximum family benefit of 50%. If no widow or children, each dependent parent is entitled to 25% of salary.
Tier 2: Annuity of 28% of salary in effect on date of death to widow plus 7% of salary for each child up to age 18 to a maximum family benefit of 42% of salary. If no widow, 7% of salary is payable on behalf of each child under age 18 to a maximum family benefit of 35%. If no widow or children, each dependent parent is entitled to 17.5% of salary.

Non-Duty Connected Death

Eligibility Death in service

Amount Accumulated contributions of deceased member to designated beneficiary.
Tier 1: If, at the time of death, the member was eligible for a service or early retirement annuity, the surviving spouse, if any, can elect a 100% survivor annuity based on the benefit which would have been payable to the member had he/she retired the date before he/she died.

Post-retirement death benefits

Lump-sum Benefit Lump sum payment equal to the excess of the sum of contributions plus annual salary at retirement (maximum \$10,000) over the total of benefits paid.

Husband and Wife If married, pension benefits are paid in the form of a joint and survivor annuity unless this form is rejected by the participant and spouse. If not rejected, the benefit amount otherwise payable is reduced to reflect the joint and survivor coverage. If rejected, or if not married, benefits are payable for the life of the employee, or in any other available optional form elected by the employee in an actuarially equivalent amount.

Optional forms of benefits

50% or 100% joint-and-survivor annuity

Changes in plan provisions

There have been no changes in plan provisions since the last valuation.

Section 4: Actuarial Valuation Basis

Exhibit G: Contribution rates

Employer contribution rates

23.5% of payroll, effective January 1, 2020

20.5% of payroll, effective January 1, 2015

Employee contribution rates

Tier 1

Regular Employees	11%
Public Safety Employees	13%
Legislature	12%
Judges	15%

Tier 2

Regular Employees	11.5%
Public Safety Employees	13.625%
Legislature	14%
Judges	15%

Section 5: GASB Information

Exhibit H: Net Pension Liability

Components of the Net Pension Liability	Current
Measurement date	September 30, 2025
Total Pension Liability	\$4,062,701,407
Plan Fiduciary Net Position	569,692,189
Net Pension Liability	3,493,009,218
Plan Fiduciary Net Position as a percentage of the Total Pension Liability	14.02%

Actuarial assumptions. The Total Pension Liability (TPL) as of September 30, 2025, which was determined based on the results of an actuarial valuation as of September 30, 2025, used the following actuarial assumptions, applied to all periods included in the measurement:

Assumption Type	Assumption
Wage inflation	2.50%
Salary increases	5.00% per year for the plan year ending September 30, 2026, and 4.00% thereafter
Net investment rate of return	5.51%, net of pension plan investment expense, including inflation

Mortality rates for healthy lives are based on Pub-2010 General Below-Median Amount-Weighted Employee and Healthy Annuitant Mortality Tables (95% load for Males) with generational projection using Scale MP-2021. Mortality for disabled lives are based on Pub-2010 Non-Safety Amount-Weighted Disabled Annuitant Mortality Table with generational projection using Scale MP-2021. Mortality rates for contingent survivors' lives are based on Pub-2010 General Below-Median Amount-Weighted Contingent Survivor Annuitant Mortality Table with generational projection using Scale MP-2021.

The demographic assumptions are the same as the assumptions used in the September 30, 2025 funding valuation and are based on the results of an actuarial experience study for the period October 1, 2017 through September 30, 2022.

Section 5: GASB Information

Exhibit I: Determination of discount rate and investment rates of return

The long-term expected rate of return on pension plan investments was determined using a building-block method in which expected future real rates of return (expected returns, net of inflation) are developed for each major asset class. These returns are combined to produce the long-term expected rate of return by weighting the expected future real rates of return by the target asset allocation percentage, adding expected inflation. The target allocation (approved by the Board) and projected arithmetic real rates of return for each major asset class, after deducting inflation, but before investment expenses, used in the derivation of the long-term expected investment rate of return assumption are summarized in the following table:

Asset Class	Target Allocation	Long-Term Expected Real Rate of Return ¹
Domestic Equity	35%	5.9%
International Developed Equity	15%	6.2%
Emerging Market Equity	5%	6.2%
Investment Grade Bonds	20%	2.8%
TIPS	10%	2.5%
High Yield Bonds	10%	4.6%
Cash Equivalents	5%	0.6%
Total	100%	

Discount rate. The blended discount rates used to measure the Total Pension Liability (TPL) was 5.51% as of September 30, 2025 and 5.00% as of September 30, 2024. The projection of cash flows used to determine the discount rate assumed plan member contributions will be made at the current contribution rate. Projected employer contributions and annual funding note revenue that are intended to fund the service costs of future plan members and their beneficiaries are excluded, as are projected member contributions from future plan members. Based on those assumptions, the Plan Fiduciary Net Position (FNP) was not projected to be available to make all projected future benefit payments for current plan members. Therefore, the long-term expected rate of return on pension plan investments of 6.00% was applied to all periods of projected benefit payments that are covered by projected assets. For periods where projected future benefit payments are not covered by assets, the yield on a 20-year AA Municipal Bond Index was applied. As of September 30, 2025, that rate was 4.90% as compared to 3.81% as of the prior year.

¹ Real rates of return are net of inflation.

Section 5: GASB Information

Exhibit J: Discount rate sensitivity

The following presents the Net Pension Liability (NPL) calculated using the discount rate of 5.51%, as well as what the NPL would be if it were calculated using a discount rate that is 1-percentage-point lower (4.51%) or 1-percentage-point higher (6.51%) than the current rate.

Item	1% Decrease (4.51%)	Current Discount Rate (5.51%)	1% Increase (6.51%)
Net Pension Liability	\$3,926,800,117	\$3,493,009,218	\$3,128,850,500

Section 5: GASB Information

Exhibit K: Schedule of changes in Net Pension Liability

	2025	2024	2023	2022	2021
Total pension liability					
• Service cost	\$55,870,599	\$57,396,147	\$57,711,656	\$119,441,940	\$126,707,925
• Interest	211,325,943	210,514,493	210,020,984	144,894,105	141,595,763
• Change of benefit terms	0	0	0	0	0
• Differences between expected and actual experience	-18,525,735	-16,969,006	-12,402,222	-56,164,946	-370,470,229
• Changes of assumptions	-211,562,245	-58,283,265	-46,892,402	-1,206,473,661	-213,831,991
• Benefit payments, including refunds of employee contributions	-290,110,830	-284,476,160	-292,321,085	-281,234,077	-271,876,439
Net change in Total Pension Liability	-\$253,002,268	-\$91,817,791	-\$83,883,069	-\$1,279,536,639	-\$587,874,971
Total Pension Liability – beginning	4,315,703,675	4,407,521,466	4,491,404,535	5,770,941,174	6,358,816,145
Total Pension Liability – ending (a)	\$4,062,701,407	\$4,315,703,675	\$4,407,521,466	\$4,491,404,535	\$5,770,941,174
Plan Fiduciary Net Position					
• Contributions – employer	\$110,410,246	\$109,833,501	\$107,398,147	\$105,883,097	\$104,844,144
• Contributions – employee	55,974,072	56,181,602	54,757,299	54,172,778	50,991,005
• Funding Note	101,571,380	123,996,500	157,996,500	89,198,738	—
• Net investment income	55,269,924	110,184,674	39,039,526	-35,316,275	20,247,557
• Benefit payments, including refunds of employee contributions	-290,110,830	-284,476,160	-292,321,085	-281,234,077	-271,876,439
• Administrative expense	-23,008,511	-15,951,983	-16,575,143	-15,196,848	-14,282,647
• Other	2,226,664	2,206,735	4,758,140	7,695,671	2,664,549
Net change in Plan Fiduciary Net Position	\$12,332,945	\$101,974,869	\$55,053,384	-\$74,796,916	-\$107,411,831
Plan Fiduciary Net Position – beginning	557,359,244	455,384,375	400,330,991	475,127,907	582,539,738
Plan Fiduciary Net Position – ending (b)	569,692,189	557,359,244	\$455,384,375	\$400,330,991	\$475,127,907
Net Pension Liability – ending (a) – (b)	\$3,493,009,218	\$3,758,344,431	\$3,952,137,091	\$4,091,073,544	\$5,295,813,267
Plan Fiduciary Net Position as a percentage of the Total Pension Liability	14.02%	12.91%	10.33%	8.91%	8.23%
Covered payroll	\$450,948,891	\$455,042,770	\$452,693,873	\$433,180,978	\$429,477,835
Net Pension Liability as percentage of covered payroll	774.59%	825.93%	873.03%	944.43%	1,233.08%

Section 5: GASB Information

	2020	2019	2018	2017	2016
Total pension liability					
• Service cost	\$112,031,977	\$76,814,792	\$89,233,179	\$101,716,941	\$87,734,650
• Interest	159,341,425	207,423,206	193,824,703	176,503,962	192,803,756
• Change of benefit terms	0	0	0	0	-48,588,579
• Differences between expected and actual experience	17,582,658	-2,954,116	2,839,939	25,049,512	76,689,946
• Changes of assumptions	351,004,813	1,045,622,246	-304,877,189	-361,658,766	431,433,618
• Benefit payments, including refunds of employee contributions	-273,912,786	-275,738,622	-265,331,162	-259,464,878	-259,011,168
Net change in Total Pension Liability	\$366,048,087	\$1,051,167,506	-\$284,310,530	-\$317,853,229	\$481,062,223
Total Pension Liability – beginning	5,992,768,058	4,941,600,552	5,225,911,082	5,543,764,311	5,062,702,088
Total Pension Liability – ending (a)	\$6,358,816,145	\$5,992,768,058	\$4,941,600,552	\$5,225,911,082	\$5,543,764,311
Plan Fiduciary Net Position					
• Contributions – employer	\$100,422,478	\$106,183,907	\$96,747,868	\$84,802,335	\$86,346,597
• Contributions – employee	50,861,064	49,035,132	44,481,827	47,925,193	41,459,511
• Funding Note	—	—	—	—	—
• Net investment income	38,093,939	40,161,690	54,077,199	67,401,362	70,993,934
• Benefit payments, including refunds of employee contributions	-273,912,786	-275,738,622	-265,331,162	-259,464,878	-259,011,168
• Administrative expense	-14,688,038	-15,162,645	-14,505,786	-14,997,033	-15,267,630
• Other	3,642,816	4,820,140	7,880,224	2,641,471	1,599,548
Net change in Plan Fiduciary Net Position	-\$95,580,527	-\$90,700,398	-\$76,649,830	-\$71,691,550	-\$73,879,208
Plan Fiduciary Net Position – beginning	678,120,265	768,820,663	845,470,493	917,162,043	991,041,251
Plan Fiduciary Net Position – ending (b)	\$582,539,738	\$678,120,265	\$768,820,663	\$845,470,493	\$917,162,043
Net Pension Liability – ending (a) – (b)	\$5,776,276,407	\$5,314,647,793	\$4,172,779,889	\$4,380,440,589	\$4,626,602,268
Plan Fiduciary Net Position as a percentage of the Total Pension Liability	9.16%	11.32%	15.56%	16.18%	16.54%
Covered payroll	\$411,757,386	\$399,386,941	\$404,775,714	\$393,771,228	\$368,023,518
Net Pension Liability as percentage of covered payroll	1,402.83%	1,330.70%	1,030.89%	1,112.43%	1,257.15%

Section 5: GASB Information

Notes to Schedule:

Benefit changes:

In the year ended September 30, 2016, there were changes to the eligibility and benefit amounts for Tier 2 Regular and Public Safety Employees for Service and Early pensions reflected in this valuation. The plan of benefits, including those changes, are described in detail in Section 4 of the report.

Change of Assumptions:

In the year ended September 30, 2016, amounts reported as changes in assumptions resulted from a decrease in the discount rate used to measure the total pension liability from 3.84% as of September 30, 2015 to 3.20% as of September 30, 2016.

In the year ended September 30, 2017, amounts reported as changes in assumptions resulted from an increase in the discount rate and to measure the total pension liability from 3.20% as of September 30, 2016 to 3.74% as of September 30, 2017.

In the year ended September 30, 2018, amounts reported as changes in assumptions resulted from an increase in the discount rate and to measure the total pension liability from 3.74% as of September 30, 2017 to 4.25% as of September 30, 2018.

In the year ended September 30, 2019, amounts reported as changes in assumptions resulted from a decrease in the discount rate and to measure the total pension liability from 4.25% as of September 30, 2018 to 2.67% as of September 30, 2019. The expected rate of return for funding valuation was changed from 7.00% to 4.00%.

In the year ended September 30, 2020, amounts reported as changes in assumptions resulted from a decrease in the discount rate and to measure the total pension liability from 2.67% as of September 30, 2019 to 2.23% as of September 30, 2020.

In the year ended September 30, 2021, amounts reported as changes in assumptions resulted from an increase in the discount rate and to measure the total pension liability from 2.23% as of September 30, 2020 to 2.52% as of September 30, 2021.

In the year ended September 30, 2022, amounts reported as changes in assumptions resulted from an increase in the discount rate used to measure the total pension liability from 2.52% as of September 30, 2021 to 4.77% as of September 30, 2022 and several changes in assumptions based on the actuarial experience study as of September 30, 2022. The changes include changes to the long-term expected rate of return, salary scale, inflation, administrative expenses, the mortality assumption for healthy and disabled lives including the provision for future mortality improvement, retirement rates for active members and pre-retirement decrement rates for turnover.

In the year ended September 30, 2023, amounts reported as changes in assumptions resulted from an increase in the discount rate and to measure the total pension liability from 4.77% as of September 30, 2022 to 4.87% as of September 30, 2023.

In the year ended September 30, 2024, amounts reported as changes in assumptions resulted from an increase in the discount rate and to measure the total pension liability from 4.87% as of September 30, 2023 to 5.00% as of September 30, 2024.

In the year ended September 30, 2025, amounts reported as changes in assumptions resulted from an increase in the discount rate and to measure the total pension liability from 5.00% as of September 30, 2024 to 5.51% as of September 30, 2025.

Section 5: GASB Information

Exhibit L: Schedule of employer contributions

Year Ended September 30	Actuarially Determined Employer Contributions (ADEC)	Contributions in Relation to the ADEC ¹	Contribution Deficiency (Excess)	Covered Employee- Payroll	Contributions as a Percentage of Covered Payroll
2016	\$247,158,137	\$86,346,838	\$160,811,299	\$368,023,518	23.46%
2017	250,574,023	84,802,335	165,771,688	393,771,228	21.54%
2018	267,743,116	96,747,868	170,995,248	401,071,344	24.12%
2019	277,523,563	106,183,907	171,339,656	404,775,714	26.23%
2020	365,803,372	100,422,478	265,380,894	399,386,941	25.14%
2021	373,748,689	104,844,144	268,904,545	411,757,386	25.46%
2022	361,771,924	195,081,835	166,690,089	429,477,835	45.42%
2023	311,958,096	265,394,647	46,563,449	433,180,978	61.27%
2024	304,268,206	233,830,001	70,438,205	452,693,873	51.65%
2025	293,676,620	211,981,626	81,694,994	455,042,770	46.58%

Methods, assumptions and models used:

- **Valuation date:** Actuarially determined contribution is calculated as of September 30
- **Actuarial cost method:** Entry age normal cost method determined as a level percent of salary
- **Amortization method:** Level dollar
- **Amortization period:** 20 years open amortization
- **Asset valuation method:** Market value
- **Model:** The blended discount rate used for calculating total pension liability is based on a model developed by our Actuarial Technology and Systems unit, comprised of both actuaries and programmers. The model allows the client team, under the supervision of the responsible actuary, control over the entry of future expected contribution income, benefit payments and administrative expenses. The projection of fiduciary net position and the discounting of benefits is part of the model.

¹ Starting with year ended September 30, 2022, this includes payments made from the GERS Funding Note.

Appendix A: Definition of Pension Terms

The following list defines certain technical terms for the convenience of the reader:

Term	Definition
Actuarial accrued liability for actives	The equivalent of the accumulated normal costs allocated to the years before the valuation date.
Actuarial accrued liability for retirees and beneficiaries	Actuarial Present Value of lifetime benefits to existing retirees and beneficiaries. This sum takes account of life expectancies appropriate to the ages of the annuitants and the interest that the sum is expected to earn before it is entirely paid out in benefits.
Actuarial cost method	A procedure allocating the Actuarial Present Value of Future Benefits to various time periods; a method used to determine the Normal Cost and the Actuarial Accrued Liability that are used to determine the actuarially determined contribution.
Actuarial gain or loss	A measure of the difference between actual experience and that expected based upon a set of Actuarial Assumptions, during the period between two Actuarial Valuation dates. To the extent that actual experience differs from that assumed, Actuarial Accrued Liabilities emerge which may be the same as forecasted or may be larger or smaller than projected. Actuarial gains are due to favorable experience, e.g., assets earn more than projected, salary increases are less than assumed, members retire later than assumed, etc. Favorable experience means actual results produce actuarial liabilities not as large as projected by the actuarial assumptions. On the other hand, actuarial losses are the result of unfavorable experience, i.e., actual results yield actuarial liabilities that are larger than projected.
Actuarially equivalent	Of equal Actuarial Present Value, determined as of a given date and based on a given set of Actuarial Assumptions.
Actuarial present value	The value of an amount or series of amounts payable or receivable at various times, determined as of a given date by the application of a particular set of Actuarial Assumptions. Each such amount or series of amounts is: Adjusted for the probable financial effect of certain intervening events (such as changes in compensation levels, marital status, etc.) Multiplied by the probability of the occurrence of an event (such as survival, death, disability, withdrawal, etc.) on which the payment is conditioned, and Discounted according to an assumed rate (or rates) of return to reflect the time value of money.

Appendix A: Definition of Pension Terms

Term	Definition
Actuarial present value of future benefits	The Actuarial Present Value of benefit amounts expected to be paid at various future times under a particular set of Actuarial Assumptions, taking into account such items as the effect of advancement in age, anticipated future compensation, and future service credits. The Actuarial Present Value of Future Benefits includes the liabilities for active members, retired members, beneficiaries receiving benefits, and inactive members entitled to either a refund of member contributions or a future retirement benefit. Expressed another way, it is the value that would have to be invested on the valuation date so that the amount invested plus investment earnings would provide sufficient assets to pay all projected benefits and expenses when due.
Actuarial valuation	The determination, as of a valuation date, of the Normal Cost, Actuarial Accrued Liability, Actuarial Value of Assets, and related Actuarial Present Values for a plan, as well as Actuarially Determined Contributions.
Actuarial value of assets	The value of the Plan's assets as of a given date, used by the actuary for valuation purposes. This may be the market or fair value of plan assets, but commonly plans use a smoothed value in order to reduce the year-to-year volatility of calculated results, such as the funded ratio and the Actuarially Determined Contribution.
Actuarially determined	Values that have been determined utilizing the principles of actuarial science. An actuarially determined value is derived by application of the appropriate actuarial assumptions to specified values determined by provisions of the Plan.
Actuarially determined contribution	The employer's contributions, expressed as a dollar amount or a percentage of covered plan compensation, determined under the Plan's funding policy. The ADC consists of the Employer Normal Cost and the Amortization Payment.
Amortization method	A method for determining the Amortization Payment. The most common methods used are level dollar and level percentage of payroll. Under the Level Dollar method, the Amortization Payment is one of a stream of payments, all equal, whose Actuarial Present Value is equal to the Unfunded Actuarial Accrued Liability. Under the Level Percentage of Pay method, the Amortization Payment is one of a stream of increasing payments, whose Actuarial Present Value is equal to the Unfunded Actuarial Accrued Liability. Under the Level Percentage of Pay method, the stream of payments increases at the assumed rate at which total covered payroll of all active members will increase.
Amortization payment	The portion of the pension plan contribution, or ADC, that is intended to pay off the Unfunded Actuarial Accrued Liability.

Appendix A: Definition of Pension Terms

Term	Definition
Assumptions or actuarial assumptions	The estimates upon which the cost of the Plan is calculated, including: Investment return — the rate of investment yield that the Plan will earn over the long-term future; Mortality rates — the rate or probability of death at a given age for employees and retirees; Retirement rates — the rate or probability of retirement at a given age or service; Disability rates — the rate or probability of disability retirement at a given age; Withdrawal rates — the rate or probability at which employees of various ages are expected to leave employment for reasons other than death, disability, or retirement; Salary increase rates — the rates of salary increase due to inflation, real wage growth and merit and promotion increases.
Closed amortization period	A specific number of years that is counted down by one each year, and therefore declines to zero with the passage of time. For example, if the amortization period is initially set at 20 years, it is 19 years at the end of one year, 18 years at the end of two years, etc. See Open Amortization Period.
Decrements	Those causes/events due to which a member's status (active-inactive-retiree-beneficiary) changes, that is: death, retirement, disability, or withdrawal.
Defined benefit plan	A retirement plan in which benefits are defined by a formula based on the member's compensation, age and/or years of service.
Defined contribution plan	A retirement plan, such as a 401(k) plan, a 403(b) plan, or a 457 plan, in which the contributions to the plan are assigned to an account for each member, the plan's earnings are allocated to each account, and each member's benefits are a direct function of the account balance.
Employer normal cost	The portion of the Normal Cost to be paid by the employer. This is equal to the Normal Cost less expected member contributions.
Experience study	A periodic review and analysis of the actual experience of the Plan that may lead to a revision of one or more actuarial assumptions. Actual rates of decrement and salary increases are compared to the actuarially assumed values and modified based on recommendations from the Actuary.
Funded ratio	The ratio of the Actuarial Value of Assets (AVA) to the Actuarial Accrued Liability (AAL). Plans sometimes also calculate a market funded ratio, using the Market Value of Assets (MVA), rather than the AVA.
GASB 67 and GASB 68	Governmental Accounting Standards Board (GASB) Statements No. 67 and No. 68. These are the governmental accounting standards that set the accounting rules for public retirement systems and the employers that sponsor or contribute to them. Statement No. 68 sets the accounting rules for the employers that sponsor or contribute to public retirement systems, while Statement No. 67 sets the rules for the systems themselves.

Appendix A: Definition of Pension Terms

Term	Definition
Investment return	The rate of earnings of the Plan from its investments, including interest, dividends and capital gain and loss adjustments, computed as a percentage of the average value of the fund. For actuarial purposes, the investment return often reflects a smoothing of the capital gains and losses to avoid significant swings in the value of assets from one year to the next.
Net Pension Liability (NPL)	The Net Pension Liability is equal to the Total Pension Liability minus the Plan Fiduciary Net Position.
Normal cost	The portion of the Actuarial Present Value of Future Benefits and expenses, if applicable, allocated to a valuation year by the Actuarial Cost Method. Any payment with respect to an Unfunded Actuarial Accrued Liability is not part of the Normal Cost (see Amortization Payment). For pension plan benefits that are provided in part by employee contributions, Normal Cost refers to the total of member contributions and employer Normal Cost unless otherwise specifically stated.
Open amortization period	An open amortization period is one which is used to determine the Amortization Payment but which does not change over time. If the initial period is set as 30 years, the same 30-year period is used in each future year in determining the Amortization Period.
Plan Fiduciary Net Position	Market value of assets.
Service costs	The portions of the actuarial present value of projected benefit payments that are attributed to valuation years.
Total Pension Liability (TPL)	The actuarial accrued liability under the entry age normal cost method and based on the blended discount rate as described in GASB 67 and 68.
Unfunded actuarial accrued liability	The excess of the Actuarial Accrued Liability over the Actuarial Value of Assets. This value may be negative, in which case it may be expressed as a negative Unfunded Actuarial Accrued Liability, also called the Funding Surplus or an Overfunded Actuarial Accrued Liability.
Valuation date or actuarial valuation date	The date as of which the value of assets is determined and as of which the Actuarial Present Value of Future Benefits is determined. The expected benefits to be paid in the future are discounted to this date.

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