

# Dallas Police and Fire Pension System

**Actuarial Valuation and Review as of January 1, 2026**



This valuation report should only be copied, reproduced, or shared with other parties in its entirety as necessary for the proper administration of the Plan.

© 2026 by The Segal Group, Inc. All rights reserved.

**Segal**



2727 Paces Ferry Road SE, Building  
One Suite 1400  
Atlanta, GA 30339-4053  
segalco.com  
T 678.306.3100

May 4, 2026

Board of Trustees  
Dallas Police and Fire Pension System  
4100 Harry Hines Blvd., Suite 100  
Dallas, TX 75219-3207

Dear Board Members:

We are pleased to submit this Actuarial Valuation and Review as of January 1, 2026. It summarizes the actuarial data used in the valuation, analyzes the preceding year's experience, and establishes the funding requirements for the City's fiscal year beginning October 1, 2026.

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, based upon information provided by the staff of the Dallas Police and Fire Pension System.

Segal does not audit the data provided. The accuracy and comprehensiveness of the data is the responsibility of those supplying the data. To the extent we can, however, Segal does review the data for reasonableness and consistency. Based on our review of the data, we have no reason to doubt the substantial accuracy of the information on which we have based this report and we have no reason to believe there are facts or circumstances that would affect the validity of these results.

The measurements shown in this actuarial valuation may not be applicable for other purposes. 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.

Board of Trustees  
May 4, 2026

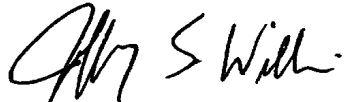
The actuarial calculations were directed under the supervision of Jeffrey S. Williams. I am a member of the American Academy of Actuaries and I meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinion herein. To the best of my knowledge, the information supplied in this actuarial valuation is complete and accurate. The assumptions used in this actuarial valuation were selected by the Board based upon my analysis and recommendations. In my opinion, the assumptions are reasonable and take into account the experience of the Plan and reasonable expectations. In addition, in my 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 Plan 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 Plan's legal, tax and other advisors before taking, or refraining from taking, any action.

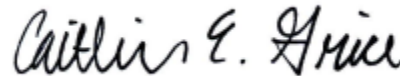
We look forward to reviewing this report at your next meeting and to answering any questions.

Sincerely,

Segal



Jeffrey S. Williams, ASA, FCA, MAAA, EA  
Vice President and Consulting Actuary



Caitlin E. Grice, ASA, FCA, MAAA, EA  
Vice President and Consulting Actuary

# Table of Contents

Section 1: Actuarial Valuation Summary .....	6
Purpose and basis .....	6
Valuation highlights.....	7
Summary of key valuation results .....	11
Important information about actuarial valuations.....	13
Section 2: Actuarial Valuation Results.....	15
Member information.....	15
Financial information.....	19
Asset history for years ended December 31.....	19
Actuarial experience .....	21
Unfunded actuarial accrued liability .....	25
Actuarially determined contribution .....	26
Schedule of funding progress through December 31, 2025 .....	29
Low-Default-Risk Obligation Measure (LDRM).....	31
Risk .....	32
GFOA funded liability by type .....	35
Volatility ratios .....	37
Section 3: Supplemental Information.....	39
Exhibit A: Table of plan demographics.....	39
Exhibit B: Members in active service .....	41
Exhibit C: Reconciliation of member data .....	44
Exhibit D: Summary of income and expenses on a market value basis.....	45

# Table of Contents

Exhibit E: Determination of Actuarial Value of Assets .....	46
Exhibit F: Summary statement of plan assets .....	47
Exhibit G: History of financial information.....	48
Exhibit H: Table of amortization bases.....	49
Exhibit I: Funding Agreement.....	50
Section 4: Actuarial Valuation Basis.....	54
Exhibit J: Actuarial assumptions, methods and models.....	54
Exhibit K: Summary of plan provisions.....	62
Section 5: GASB Information .....	70
Exhibit L: Net Pension Liability.....	70
Exhibit M: Determination of discount rate and investment rates of return.....	71
Exhibit N: Discount rate sensitivity .....	73
Exhibit O: Schedule of changes in Net Pension Liability .....	74
Exhibit P: Schedule of employer contributions .....	76
Appendix A: Definition of Pension Terms .....	78

# Section 1: Actuarial Valuation Summary

## Purpose and basis

This report has been prepared by Segal to present a valuation of the Dallas Police and Fire Pension System as of January 1, 2026. 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) Statement No. 67.

The contribution requirements presented in this report are based on:

- The benefit provisions of the Pension System, as administered by the Board;
- The characteristics of covered active members, inactive vested members, and retired members and beneficiaries as of December 31, 2025, provided by the System's IT Department;
- The assets of the Plan as of December 31, 2025, provided by the System's Finance Department;
- Economic assumptions regarding future salary increases and investment earnings;
- Other actuarial assumptions regarding employee terminations, retirement, death, etc.;
- Article 6243a-1, as amended by House Bill 3158 (HB 3158) signed into law by the Governor of Texas on May 31, 2017; and
- The Funding Agreement with the City of Dallas adopted by the Board of Trustees of the Pension System on December 11, 2025.

The majority of assumptions and methods used to value the Plan were set by the Board based on recommendations made by Segal following a five-year experience study for the period ended December 31, 2024.

Certain disclosure information required by the GASB Statement No. 68 as of September 30, 2026 for the City is provided in a separate report.

# Section 1: Actuarial Valuation Summary

## Valuation highlights

### Developments since last valuation

- **Asset returns:** The rate of return on the market value of assets was 15.49% for the year ending December 31, 2025. Note that this value may differ slightly from the value calculated by the investment consultant due to differences in methodology. The effective return on the actuarial value of assets, a notional value which smooths investment gains and losses over five years and is used to determine the actuarially determined contribution (ADC), was 10.78% for the same period due to the recognition of a portion of this year's investment gains and losses and a portion of prior years' investment gains and losses. This resulted in an actuarial gain when measured against the assumed rate of return of 6.50%. This actuarial investment gain decreased the ADC by \$4.5 million, or 0.70% of projected pay. 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 6.50%.
- **Contributions:** Actual contributions made during the City's fiscal year ending September 30, 2025 of \$204.9 million were 79.3% of the ADC<sup>1</sup>.
- **Experience:** The actuarial gain of \$56.0 million, or 0.98% of actuarial accrued liability, is due to an investment gain of \$79.5 million, or 1.39% of actuarial accrued liability, and a loss from sources other than investments of \$23.6 million, or 0.41% of the actuarial accrued liability prior to reflection of plan changes. This loss was primarily due to the active population increase.
- **Plan provisions:** The following plan change is included in this valuation per the Funding Agreement:
  - Effective January 1, 2026, individuals in pension status may receive supplemental payments equal to up to 2% of annual pension benefits (excluding DROP), determined as of the beginning of each plan year, continuing until the System is able to grant a Cost-of-Living Adjustment (COLA) in accordance with the provisions of 6243a-1 after the Plan has reached 70% funding.
  - The supplemental payment consists of two components:
    - Automatic payment (1%): Payable only to individuals in pension status prior to January 1, 2026.
    - Contingent payment (additional 1%): Payable to all individuals in pension status (current and future), only if the System achieves a one-year rate of return on the market value of assets greater than 0.0% in the prior plan year, as reported in the most recent actuarial valuation report. For any year in which the System does not achieve a rate of return greater than 0.0%, this contingent payment will not be made. It is assumed the System will have a positive return 70% of the time.
  - Accordingly, individuals in pension status prior to January 1, 2026, may receive both the automatic and contingent payments (up to 2% total), while individuals retiring on or after January 1, 2026, are eligible only for the contingent payment (1%).

<sup>1</sup> The 2025 ADC has been revised to reflect an update to the methodology used to determine the initial Funding Agreement bases.

## Section 1: Actuarial Valuation Summary

As a result of these plan changes, the total normal cost increased by \$0.3 million and the actuarial accrued liability increased by \$51.0 million. The total impact was an increase in the ADC of \$3.2 million, or 0.50% of projected pay.

### Actuarial valuation results

- **Funded ratio:** The funded ratio (the ratio of the actuarial value of assets to actuarial accrued liability) is 35.17%, compared to the prior year funded ratio of 34.05%. This ratio is one measure of funding status, and its history is a measure of funding progress. Using the market value of assets, the funded ratio is 39.08%, compared to 36.19% as of the prior valuation date. 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.
- **Actuarially determined contribution (ADC)**<sup>1</sup>: The ADC for the City's upcoming fiscal year is \$286.0 million, an increase of \$27.6 million from the prior valuation. The contribution as a percentage of projected pay decreased from 46.29% of projected pay to 44.59% of projected pay.
- **Unfunded actuarial accrued liability (UAAL):** The UAAL (the excess of the actuarial accrued liability over the actuarial value of assets) is \$3.73 billion, which is an increase of \$70.0 million since the prior valuation.
- **Asset smoothing:** The total net investment gain not yet recognized is \$225.1 million, representing 10.0% of the market value of assets. The deferred gain will be recognized in the determination of the actuarial value of assets for funding purposes in the next five years, to the extent it is not offset by recognition of investment losses derived from future experience. This implies that earning the assumed rate of investment return of 6.50% per year (net of investment expenses) on a fair value basis will result in investment gains on the actuarial value of assets in the next several years. If the net deferred gain was recognized immediately in the actuarial value of assets, the ADC would decrease from 44.59% of projected pay to 42.60% of projected pay.
- **GASB Accounting:** The information contained in Section 5 provides the accounting information for Governmental Accounting Standards Board (GASB) Statement No. 67 for inclusion in the System's financial statements as of December 31, 2025. The Net Pension Liability (NPL) and Pension Expense under GASB statement No. 68 for the inclusion in the City's financial statement as of September 30, 2026 will be provided separately. The accounting information utilizes different methodologies from those employed in the funding valuation, as required by the GASB. The 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 December 31, 2025 is \$3.52 billion.

<sup>1</sup> The 2025 ADC has been revised to reflect an update to the methodology used to determine the initial Funding Agreement bases.

## Section 1: Actuarial Valuation Summary

### Funding considerations

- **Funding method:** 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 UAAL and the principal balance.
  - The Funding Agreement with the City of Dallas adopted by the Board of Trustees of the Pension System on December 11, 2025, pursuant to the requirements of Section 2.025 of Article 6243a-1 of Vernon’s Revised Civil Statutes, calculates the ADC based on a closed amortization period of 30 years, established as of January 1, 2023. The payment stream outlined in the Funding Agreement was based on two amortization bases of specified amounts as of January 1, 2023. The first amortization base was in the amount of \$2.29 billion and is to be amortized over 30 years on a level percent of pay basis. The second amortization base was in the amount of \$988.0 million, with a five-year step up of the amortization payment, with the outstanding balance after five years to be amortized over a 25-year period on a level percent of pay basis. Beginning on January 1, 2024, each year’s experience due to actuarial gains and losses or plan, assumption, or method changes are amortized over the amortization period remaining on the initial 2023 bases. Beginning in 2033, newly established bases will be amortized over a period of 20 years.
  - The Funding Agreement includes maximum contributions through the Fiscal Year ending September 30, 2054, based on a deterministic projection calculated by a third party as of January 1, 2023. There is some allowance in the Agreement for future increases in the UAL that may result due to experience losses, assumption changes, method changes or benefit changes. However, there is risk associated with this methodology.
  - The current Funding Agreement contribution is less than the ADC and, as a result, is not sufficient under current conditions to amortize the UAAL as of January 1, 2026 and achieve full funding by the projected year of 2053. This reflects the five-year step-up in amortization payments, the initial UAAL being based on an analysis other than the actuarial valuation, and net actuarial losses, including assumption and plan changes, since January 1, 2023 that are not fully reflected in the current Funding Agreement UAAL payments. Further, the Normal Cost component of the Funding Agreement contribution is less than the current employer Normal Cost determined in this valuation and therefore does not fully cover the ongoing cost of benefits being accrued, increasing reliance on future contribution increases or favorable experience to prevent further growth in the UAAL.
  - The Funding Agreement includes a mechanism to add accumulated net losses through September 30, 2029 to the Funding Agreement contribution. However, this mechanism does not fully or immediately align contributions with the ADC, resulting in continued funding risk if losses persist.
  - If all actuarial assumptions are met and the City contributes in accordance with the Funding Agreement, the System is projected to achieve full funding by 2053.
- **Amortization of UAAL:** The total contributions made during the year ending December 31, 2025 were insufficient to reduce the UAAL. The UAAL will continue to grow unless the contribution rates are increased, plan provisions are changed, or there are significant gains from investments and other sources.

## Section 1: Actuarial Valuation Summary

### Risk

- **Snapshot date:** It is important to note that this actuarial valuation is based on plan assets as of December 31, 2025. The Plan's funded status does not reflect short-term economic fluctuations but rather is based on the market values on the last day of the plan year. Segal is available to prepare projections of potential outcomes of market conditions and other demographic experience upon request.
- **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. A more detailed assessment of the risks would provide the Board with a better understanding of the inherent risks in the Plan. This assessment may include scenario testing, sensitivity testing, stress testing and stochastic modeling.
  - We have not been engaged to perform a detailed analysis of the potential range of the impact of risk relative to the Plan's future financial condition but have included a brief discussion of some risks that may affect the Plan in Section 2.
- **Contribution risk:** The Funding Agreement with the City set maximum contribution amounts, which may be less than the actuarially determined contributions, through the Fiscal Year ending September 30, 2054, based on a 30-year deterministic projection that assumes no future gains or losses. This includes a maximum payment on an unfunded actuarially accrued liability as of January 1, 2023 as calculated by an independent actuary. This methodology contains minimal allowance for future adverse experience through September 30, 2029. If future experience does not match the assumptions used to set the contributions, the unfunded actuarial accrued liability may not be paid off within 30 years. Deterministic projections that assume no future gains or losses, or assumption, method, or plan changes, can be useful for high-level planning, but should not be the basis for actual contribution policy, as gains and losses each year are unavoidable.

# Section 1: Actuarial Valuation Summary

## Summary of key valuation results

Valuation Result	Current	Prior
<b>Contributions for City's fiscal year beginning:</b>	<b>October 1, 2026</b>	<b>October 1, 2025</b>
• City's actuarially determined contribution (ADC) <sup>1</sup>	\$286,034,600	\$258,459,201
• City's ADC as a percent of projected pay	44.59%	46.29%
• Expected City contributions based on Funding Agreement	\$247,037,036	\$223,665,851
• Actual City contributions for fiscal year ended September 30	—	\$204,888,932
<b>Actuarial accrued liability for plan year beginning:</b>	<b>January 1, 2026</b>	<b>January 1, 2025</b>
• Retired members and beneficiaries	\$3,551,323,063	\$3,520,994,086
• Inactive vested members	33,632,967	35,874,365
• Inactive members due a refund of employee contributions	1,332,724	1,108,763
• Active members	2,174,200,290	1,999,280,067
• <b>Total</b>	<b>\$5,760,489,044</b>	<b>\$5,557,257,281</b>
• Normal cost including administrative expenses for plan year beginning January 1	144,991,520	128,029,735
<b>Assets for plan year beginning January 1:</b>		
• Market value of assets (MVA)	\$2,251,124,585	\$2,011,422,373
• Actuarial value of assets (AVA)	2,025,998,519	1,892,332,008
• Actuarial value of assets as a percentage of market value of assets	90.00%	94.08%
<b>Funded status for plan year beginning January 1:</b>		
• Unfunded actuarial accrued liability on market value of assets	\$3,509,364,459	\$3,545,834,908
• Funded percentage on MVA basis	39.08%	36.19%
• Unfunded actuarial accrued liability on actuarial value of assets	\$3,734,490,525	\$3,664,925,273
• Funded percentage on AVA basis	35.17%	34.05%
• Projected year of full funding	2053	2053
• Period remaining on initial bases	27	28

<sup>1</sup> The 2025 ADC has been revised to reflect an update to the methodology used to determine the initial Funding Agreement bases.

## Section 1: Actuarial Valuation Summary

Valuation Result	Current	Prior
<b>Key assumptions:</b>		
• Net investment return	6.50%	6.50%
• Inflation rate	3.50%	3.50%
<b>GASB information:</b>		
• Discount rate	6.50%	6.50%
• Total Pension Liability	\$5,766,993,939	\$5,566,762,524
• Plan Fiduciary Net Position	2,251,124,585	2,011,422,373
• Net Pension Liability	3,515,869,354	3,555,340,151
• Plan Fiduciary Net Position as a percentage of Total Pension Liability	39.03%	36.13%
<b>Demographic data for plan year beginning January 1:</b>		
• Number of retired members and beneficiaries	5,272	5,242
• Number of DROP only beneficiaries	227	203
• Number of inactive vested members	235	240
• Number of inactive members due a refund of employee contributions	229	234
• Number of active members	5,606	5,356
• Total computation pay <sup>1</sup>	\$625,182,352	\$544,095,176
• Average compensation	111,520	101,586

<sup>1</sup> Total computation pay is the active members' actual payroll for the preceding year, increased by the salary scale applicable for each member to account for their anticipated salary increases in the upcoming year.

## 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
<b>Plan provisions</b>	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.
<b>Participant information</b>	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.
<b>Financial information</b>	Part of the cost of a plan will be paid from existing assets — the balance will need to come from future contributions and investment income. The valuation is based on the asset values as of the valuation date, typically reported by the System. A snapshot as of a single date may not be an appropriate value for determining a single year's contribution requirement, especially in volatile markets. Plan sponsors often use an "actuarial value of assets" that differs from market value to gradually reflect year-to-year changes in the market value of assets in determining the contribution requirements.
<b>Actuarial assumptions</b>	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.

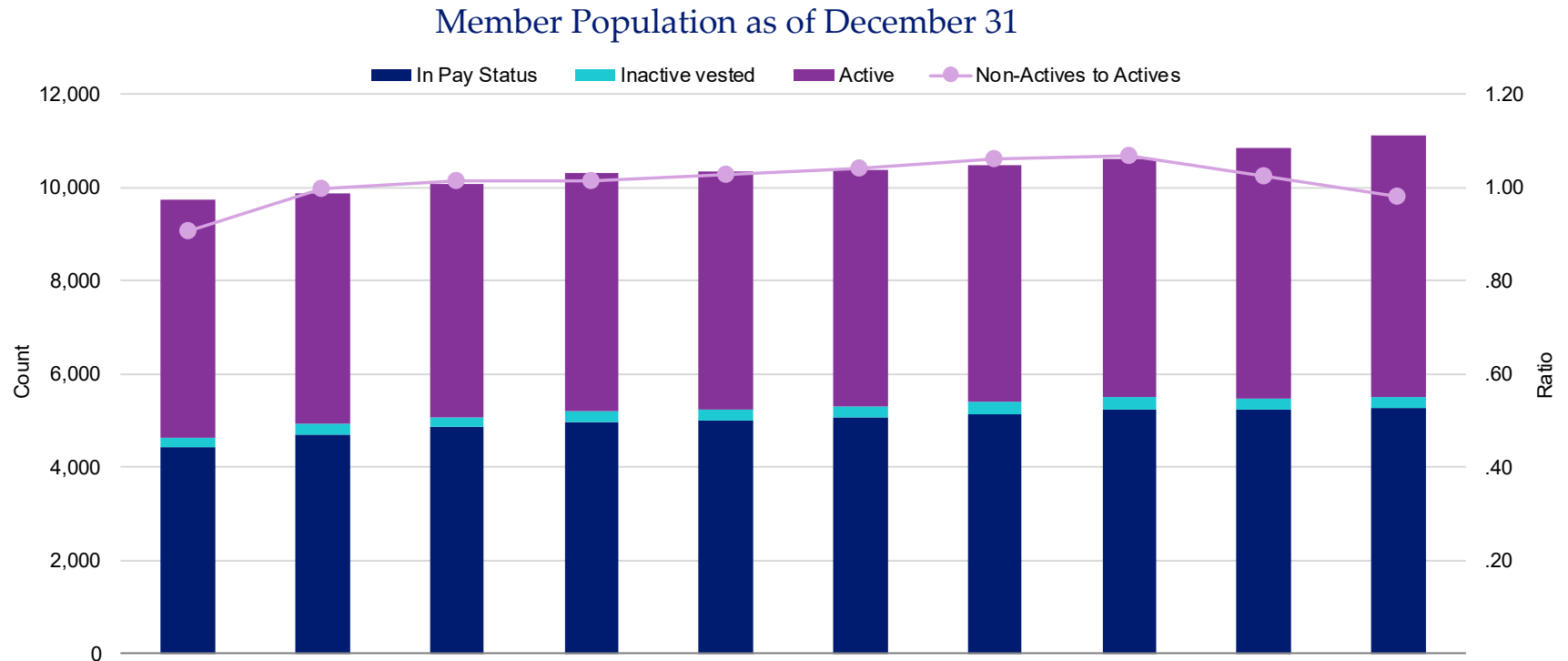
## Section 1: Actuarial Valuation Summary

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 Pension System. The valuation is based on Segal's understanding of applicable guidance in these areas and of the Pension 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



Legend	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
In Pay Status <sup>1</sup>	4,414	4,706	4,849	4,956	5,003	5,071	5,142	5,231	5,242	5,272
Inactive Vested <sup>2</sup>	215	226	230	242	241	233	252	254	240	235
Active	5,104	4,952	5,012	5,121	5,106	5,088	5,085	5,131	5,356	5,606
Ratio	0.91	1.00	1.01	1.02	1.03	1.04	1.06	1.07	1.02	0.98

<sup>1</sup> Excludes beneficiaries who only have a DROP account

<sup>2</sup> Excluding terminated participants due a refund of employee contributions.

## Section 2: Actuarial Valuation Results

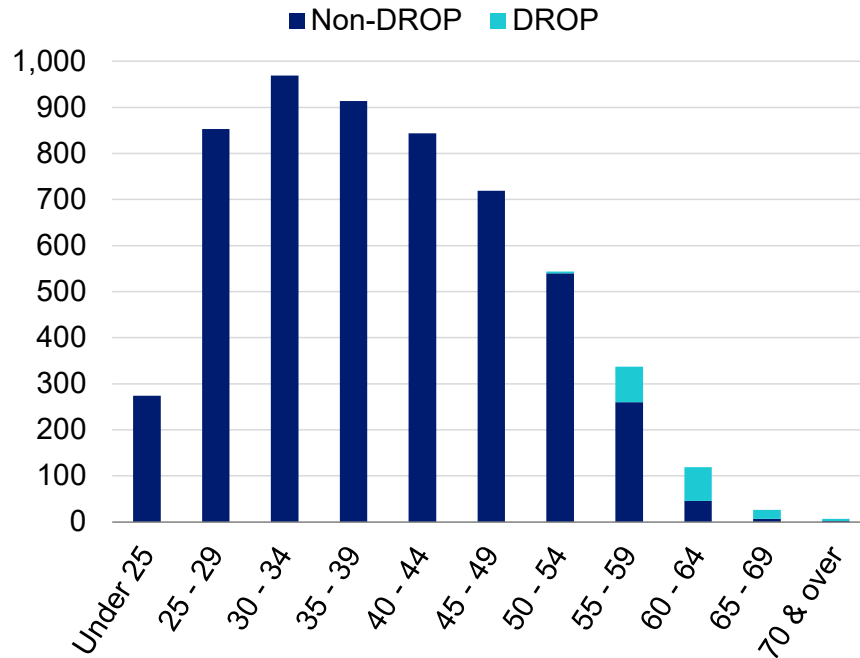
### Active members

Demographic Data	December 31, 2025	December 31, 2024	Change
<b>Firefighters</b>			
Active participants	2305	2235	3.1%
Average age	39.8	39.6	0.2
Average years of service	12.1	11.8	0.3
Average compensation	\$111,404	\$101,713	9.5%
<b>Police Officers</b>			
Active participants	3301	3121	5.8%
Average age	39.8	40.1	-0.3
Average years of service	12.5	12.8	-0.3
Average computation pay	\$111,602	\$101,495	10.0%
<b>Total</b>			
Active participants	5,606	5,356	4.7%
Average age	39.8	39.9	-0.1
Average years of service	12.3	12.4	-0.1
Average computation pay	\$111,520	\$101,586	9.8%

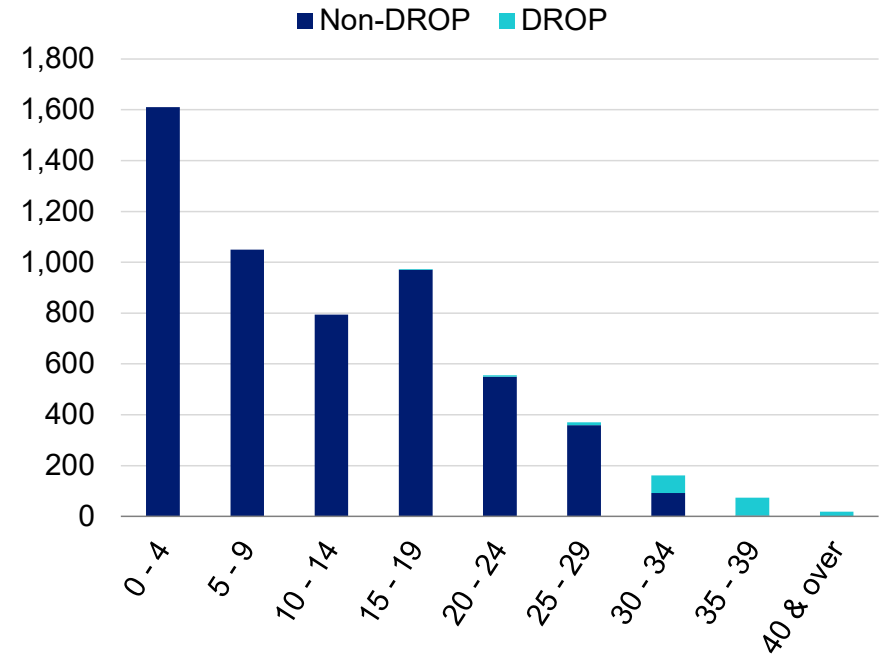
## Section 2: Actuarial Valuation Results

Distribution of Active Members as of December 31, 2025

Actives by Age



Actives by Years of Service



The number of active participants in DROP decreased from 195 at the end of 2024 to 178 at the end of 2025

### Inactive members

In this year's valuation, there were 235 inactive members with a vested right to a deferred or immediate vested benefit. In addition, there were 229 inactive members entitled to a return of their employee contributions.

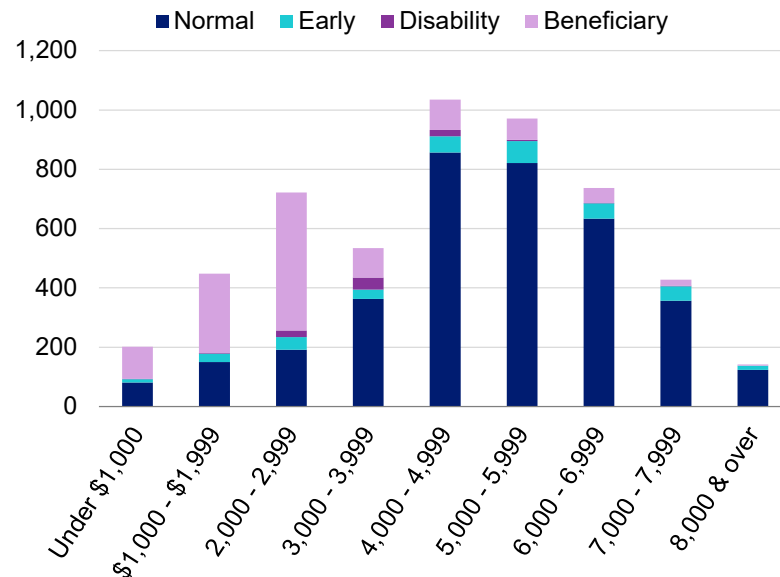
## Section 2: Actuarial Valuation Results

### Retired members and beneficiaries

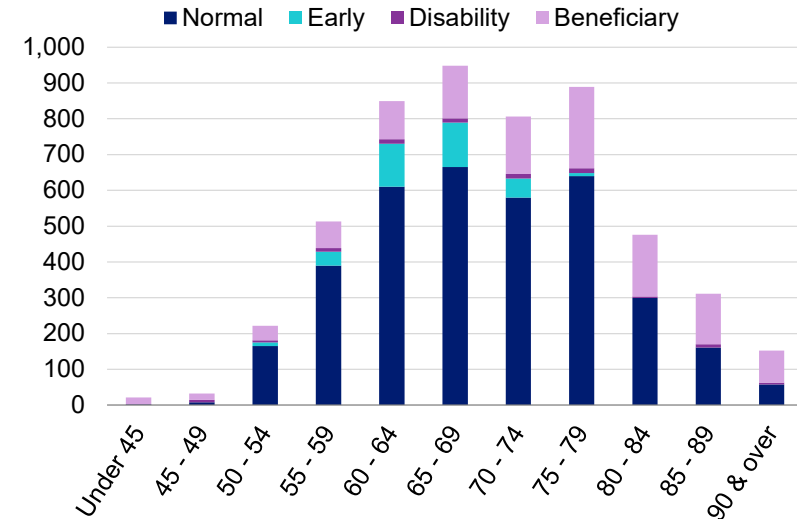
Demographic Data	December 31, 2025	December 31, 2024	Change
Retired participants	4,027	4,015	0.3%
Beneficiaries <sup>1</sup>	1,245	1,227	1.5%
Average age	70.2	69.8	0.4
Average amount	\$4,410	\$4,394	0.4%
Total monthly amount	23,250,933	23,031,899	1.0%

#### Distribution of Retired Members and Beneficiaries as of December 31, 2025

##### By Type and Monthly Amount



##### By Type and Age



<sup>1</sup> Does not include beneficiaries with annuitized DROP accounts only and no lifetime annuity (227 for 2025 and 203 for 2024).

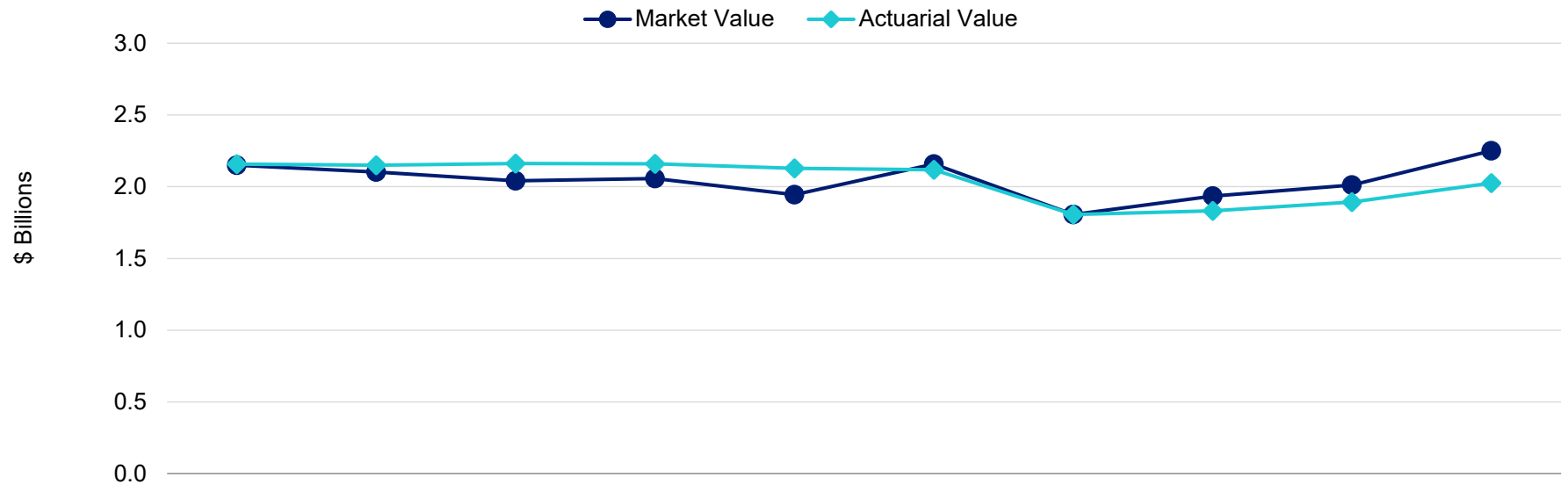
## Section 2: Actuarial Valuation Results

### Financial information

#### Asset history for years ended December 31

- The actuarial value of assets as of December 31, 2022 was reset to the market value of assets.

Market Value of Assets vs Actuarial Value of Assets



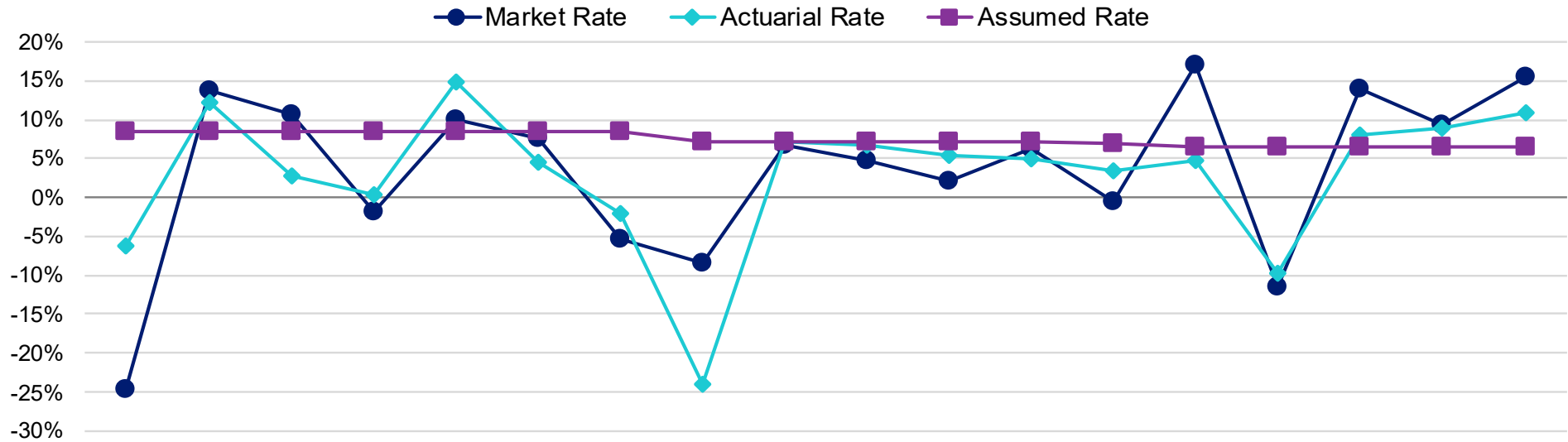
Legend	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
■ Market value <sup>1</sup>	\$2.15	\$2.10	\$2.04	\$2.06	\$1.94	\$2.16	\$1.81	\$1.93	\$2.01	\$2.25
■ Actuarial value <sup>1</sup>	2.16	2.15	2.16	2.16	2.13	2.12	1.81	1.83	1.89	2.03
Ratio (AVA/MVA)	1.00	1.02	1.06	1.05	1.09	0.98	1.00	0.95	0.94	0.90

<sup>1</sup> In \$ billions

## Section 2: Actuarial Valuation Results

### Historical investment returns

Market and Actuarial Rates of Return versus Assumed Rate for Years Ended December 31



Legend	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
■ Market rate <sup>1</sup>	-24.80%	13.78%	10.72%	-1.78%	9.92%	7.70%	-5.35%	-8.47%	6.82%	4.74%	2.09%	6.25%	-0.45%	16.99%	-11.46%	13.90%	9.25%	15.49%
◆ Actuarial rate <sup>2</sup>	-6.14%	12.29%	2.69%	0.43%	14.79%	4.52%	-1.98%	-24.03%	7.16%	6.63%	5.48%	5.05%	3.46%	4.68%	-9.75%	7.98%	8.91%	10.78%
■ Assumed rate	8.50%	8.50%	8.50%	8.50%	8.50%	8.50%	8.50%	7.25%	7.25%	7.25%	7.25%	7.25%	7.00%	6.50%	6.50%	6.50%	6.50%	6.50%

Average Rates of Return	Market Value	Actuarial Value
Most recent five-year average return:	8.37%	1.55%
Most recent ten-year average return:	6.08%	3.69%
Most recent 15-year average return:	3.57%	-0.15%
Most recent 18-year average return:	2.44%	0.45%

<sup>1</sup> Returns for 2014 and 2015 include significant write-downs in the System's assets

<sup>2</sup> Includes a change in asset method for plan years 2012, 2015 and 2023

## 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.

#### Actuarial Experience for Year Ended December 31, 2025

	Source	Amount
1.	Net gain/(loss) from investments <sup>1</sup>	\$79,553,288
2.	Gain/(loss) from administrative expenses	-1,112,856
3.	Net gain/(loss) from other experience	-22,461,392
4.	<b>Net experience gain/(loss): 1 + 2 + 3</b>	<b>\$55,979,040</b>

<sup>1</sup> Details on next page

## 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 6.50% considers past experience, the asset allocation policy of the Board and future expectations.

#### Investment Experience for Year Ended December 31

Item	2025 Market Value	2025 Actuarial Value
1. Net investment income	\$306,422,171	\$200,386,470
2. Average value of assets	1,978,062,394	1,858,972,029
3. Rate of return: <b>1 ÷ 2</b>	15.49%	10.78%
4. Assumed rate of return	6.50%	6.50%
5. Expected investment income: <b>2 x 4</b>	\$128,574,056	\$120,833,182
<b>6. Net investment gain/(loss): 1 – 5</b>	<b>\$177,848,115</b>	<b>\$79,553,288</b>

## Section 2: Actuarial Valuation Results

### Non-investment experience

#### Administrative expenses

Administrative expenses for the year ended December 31, 2025 totaled \$8,078,361, as compared to the assumption of \$7,000,000. This resulted in an experience loss of \$1,112,856 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)

The net loss from this other experience for the year ended December 31, 2025 amounted to \$22,461,392, which is 0.39% of the actuarial accrued liability.

### Actuarial assumptions

There are no assumption changes reflected in this report.

The Board sets assumptions for the Plan based on periodic multi-year experience studies. The last study was completed for the five-year period ended December 31, 2024.

## Section 2: Actuarial Valuation Results

### Plan provisions

This valuation reflects the following plan change, effective January 1, 2026, pursuant to the Funding Agreement with the City:

- Effective January 1, 2026, individuals in pension status may receive supplemental payments equal to up to 2% of annual pension benefits (excluding DROP), determined as of the beginning of each plan year, continuing until the System is able to grant a Cost-of-Living Adjustment (COLA) in accordance with the provisions of 6243a-1 after the Plan has reached 70% funding.
- The supplemental payment consists of two components:
  - Automatic payment (1%): Payable only to individuals in pension status prior to January 1, 2026.
  - Contingent payment (additional 1%): Payable to all individuals in pension status (current and future), only if the System achieves a one-year rate of return on the market value of assets greater than 0.0% in the prior plan year, as reported in the most recent actuarial valuation report. For any year in which the System does not achieve a rate of return greater than 0.0%, this contingent payment will not be made. It is assumed the System will have a positive return 70% of the time.
- Accordingly, individuals in pension status prior to January 1, 2026, may receive both the automatic and contingent payments (up to 2% total), while individuals retiring on or after January 1, 2026, are eligible only for the contingent payment (1%).

These changes increased the actuarial accrued liability by 0.9% and increased the total normal cost by 0.2%.

## Section 2: Actuarial Valuation Results

### Unfunded actuarial accrued liability

#### Development of Unfunded Actuarial Accrued Liability for Year Ended December 31, 2025

Component	Amount
1. Unfunded actuarial accrued liability at beginning of year	\$3,664,925,273
2. Total normal cost at beginning of year, including administrative expense assumption	128,029,735
3. Total contributions	-290,680,560
4. Interest on 1, 2 & 3	237,194,451
5. Expected unfunded actuarial accrued liability	3,739,468,899
6. Changes due to:	
a. Net experience gain	-55,979,040
b. Plan provisions	51,000,666
c. Total changes	-4,978,374
<b>7. Unfunded actuarial accrued liability at end of year</b>	<b>\$3,734,490,525</b>

## Section 2: Actuarial Valuation Results

### Actuarially determined contribution

The actuarially determined contribution (ADC) is equal to the city normal cost payment and a payment on the unfunded actuarial accrued liability. As of January 1, 2026, the ADC projected to October 1, 2026 is \$286,034,600, or 44.59% of projected pay.

Pursuant to the Funding Agreement with the City, the ADC is based on a closed amortization period of 30 years, established as of January 1, 2023. For valuation dates from January 1, 2024 through January 1, 2033, changes in the UAL will be amortized over the remaining period of the 2023 bases. For valuation dates beginning January 1, 2033, changes in the UAL will be amortized over 20-year periods. As of January 1, 2026, there are 27 years remaining on this schedule. The current funding policy is intended to result in predictable contributions that eliminate the UAL within 27 years, thereby providing benefit security to plan participants while balancing the needs of current and future contributors to the plan.

#### Actuarially Determined Contribution

Component	2026 Amount	2026 Percent of Projected Pay	2025 Amount <sup>1</sup>	2025 Percent of Projected Pay
1. Total normal cost	\$138,208,498	21.54%	\$121,246,713	21.72%
2. Administrative expenses	6,783,022	1.06%	6,783,022	1.21%
3. Expected employee contributions	-84,399,618	-13.16%	-73,452,849	-13.16%
4. Employer normal cost: (1) + (2) + (3)	60,591,902	9.45%	54,576,886	9.78%
5. Actuarial accrued liability	5,760,489,044		5,557,257,281	
6. Actuarial value of assets	2,025,998,519		1,892,332,008	
7. Unfunded actuarial accrued liability: (5) - (6)	3,734,490,525		3,664,925,273	
8. Employer normal cost projected to October 1, 2026 and 2025	62,175,581	9.69%	56,003,351	10.03%
9. Payment on projected unfunded actuarial accrued liability	214,992,852	33.51%	194,444,433	34.83%
10. Adjustment for timing <sup>2</sup>	8,866,167	1.38%	8,011,417	1.43%
<b>11. Actuarially determined contribution: (8) + (9) + (10)</b>	<b>\$286,034,600</b>	<b>44.59%</b>	<b>\$258,459,201</b>	<b>46.29%</b>
12. Projected pay <sup>3</sup>	641,522,617		558,316,082	

<sup>1</sup> The 2025 ADC has been revised to reflect an update to the methodology used for determining the initial Funding Agreement bases.

<sup>2</sup> Actuarially determined contributions are assumed to be paid at the middle of the year.

<sup>3</sup> Total computation pay, or valuation pay, is the active members' actual payroll for the preceding year, increased by the salary scale applicable for each member to account for their anticipated salary increases in the upcoming year, projected 9 months with the payroll growth assumption to the beginning of the fiscal year.

## Section 2: Actuarial Valuation Results

### Funding agreement contribution

The Funding Agreement adopted by the Board is designed to reduce the volatility of the City's contribution amount by setting maximum payments through the Fiscal Year ending September 30, 2054, based on the initial 30-year amortization of an unfunded actuarial accrued liability (UAL) as of January 1, 2023 and percent-of-pay corridors. The City's contribution determined by the Funding Agreement is shown below.

#### Funding Agreement Contribution

Component	City's Fiscal Year Ending September 30, 2027 Amount	2027 Percent of Projected Pay	City's Fiscal Year Ending September 30, 2026 Amount	2026 Percent of Projected Pay
1. Amortization of January 1, 2023 UAL per Funding Agreement	\$197,889,000		\$179,482,000	
2. Administrative expenses per Funding Agreement	7,000,000		7,000,000	
3. Total 2023 UAL payment and administrative expenses per Funding Agreement: (1) + (2)	204,889,000		186,482,000	
4. Employer normal cost, excluding administrative expenses, projected to October 1, 2026 and 2025, with adjustment for timing	56,981,519	8.88%	50,611,850	9.07%
5. Amortization of changes in UAL since January 1, 2023 <sup>1</sup>	14,760,184	2.30%	15,441,057	2.77%
6. Funding Agreement corridor	42,148,036	6.57%	37,183,851	6.66%
7. Additional contribution subject to corridor: lesser of [(4) + (5)] and (6)	42,148,036	6.57%	37,183,851	6.66%
<b>8. Funding Agreement contribution: (3) + (7)</b>	<b>\$247,037,036</b>	<b>38.51%</b>	<b>\$223,665,851</b>	<b>40.06%</b>
<b>9. Projected pay<sup>2</sup></b>	<b>641,522,617</b>		<b>558,316,082</b>	

Per the Funding Agreement, the additional cost for the Supplemental Payments included in this valuation and effective January 1, 2026 will not be added to the City's contribution until October 1, 2027. If this amount was included in the contribution as of October 1, 2026, the amount above would increase by \$2.9 million, or 0.45% of projected pay.

<sup>1</sup> Excludes Supplemental Pay plan change base established January 1, 2026. Amortization amount is projected with interest and includes an adjustment assuming payment in middle of the year.

<sup>2</sup> Total computation pay, or valuation pay, is the active members' actual payroll for the preceding year, increased by the salary scale applicable for each member to account for their anticipated salary increases in the upcoming year, projected 9 months with the payroll growth assumption to the beginning of the fiscal year.

## Section 2: Actuarial Valuation Results

### Reconciliation of actuarially determined contribution

Reconciliation from October 1, 2025 to October 1, 2026

Component	Amount
<b>Actuarially determined contribution as of October 1, 2025<sup>1</sup></b>	<b>\$258,459,201</b>
<b>Changes in Actuarially Determined Contribution due to:</b>	
• Plan amendments	3,173,248
• Expected change in amortization payment due to payroll growth	5,171,020
• Investment gain	-4,509,197
• Other gains and losses on accrued liability	1,336,223
• Other changes, including composition and number of members <sup>2</sup>	22,404,105
<b>• Total change</b>	<b>\$27,575,399</b>
<b>Actuarially determined contribution as of October 1, 2026</b>	<b>\$286,034,600</b>

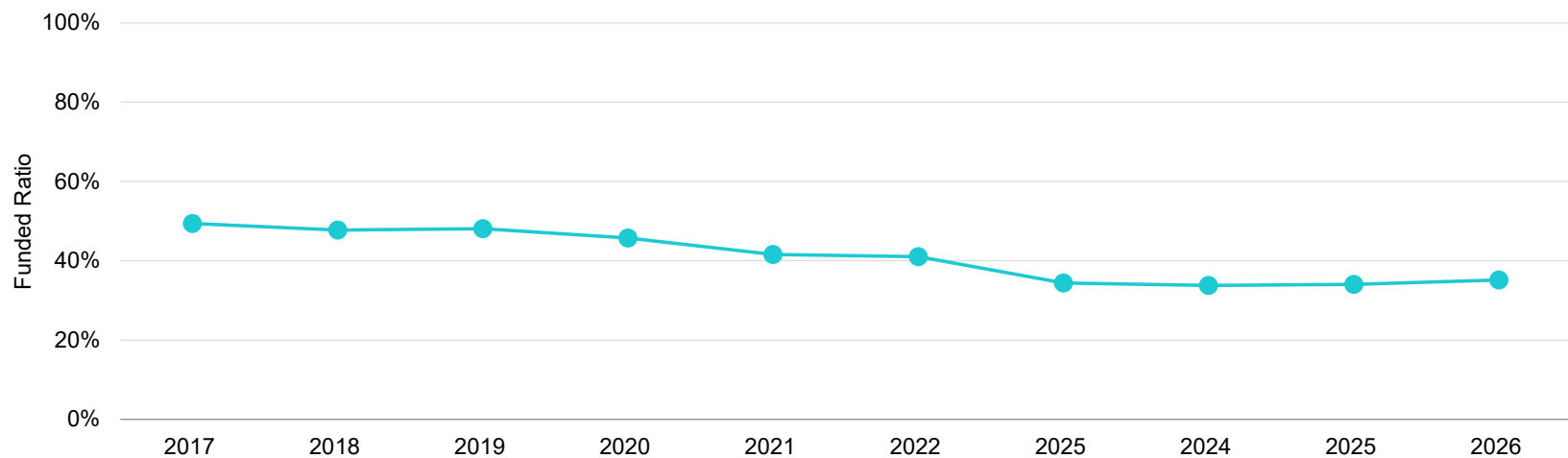
<sup>1</sup> The 2025 ADC has been revised to reflect an update to the methodology used for determining the initial Funding Agreement bases.

<sup>2</sup> Includes impact of five-year step up in the Funding Agreement and City contributions less than the ADC

## Section 2: Actuarial Valuation Results

### Schedule of funding progress through December 31, 2025

Actuarial Valuation Date of January 1	Actuarial Value of Assets (a)	Actuarial Accrued Liability (AAL) (b)	Unfunded/ (Overfunded) AAL (UAAL) (b) – (a)	Funded Ratio (a) / (b)	Covered Compensation (c)	UAAL as a Percentage of Covered Compensation [(b) – (a)] / (c)
2017	\$2,157,799,730	\$4,367,180,454	\$2,209,380,724	49.41%	\$357,414,472	618.16%
2018	2,151,039,343	4,505,437,185	2,354,397,842	47.74%	346,036,690	680.39%
2019	2,161,899,662	4,494,822,504	2,332,922,842	48.10%	363,117,415	642.47%
2020	2,160,125,611	4,723,972,480	2,563,846,869	45.73%	396,954,743	645.88%
2021	2,127,834,406	5,115,966,592	2,988,132,186	41.59%	427,440,530	699.08%
2022	2,117,978,431	5,158,782,340	3,040,803,909	41.06%	436,971,384	695.88%
2023	1,806,567,341	5,249,014,813	3,442,447,472	34.42%	462,820,226	743.80%
2024	1,831,293,364	5,419,015,764	3,587,722,400	33.79%	469,275,612	764.52%
2025	1,892,332,008	5,557,257,281	3,664,925,273	34.05%	544,095,176	673.58%
2026	2,025,998,519	5,760,489,044	3,734,490,525	35.17%	625,182,352	597.34%



## Section 2: Actuarial Valuation Results

### History of employer contributions

#### Actuarially Determined Contribution (ADC) versus Actual Contribution

Actuarial Valuation January 1	City's Fiscal Year Ended September 30	ADC Amount	Projected Payroll	ADC as a Percentage of Projected Payroll	Actual Contribution Amount During Fiscal Year	Actual Contribution as a Percentage of Projected Payroll	Percent of ADC Contributed
2024	2025	\$217,612,884	\$478,047,316	45.52%	\$204,888,932	42.86%	94.15%
2025	2026 <sup>1</sup>	258,459,201	558,316,082	46.29%	--	--	--
2026	2027	286,034,600	641,522,617	44.59%	--	--	--

<sup>1</sup> The 2025 ADC has been revised to reflect an update to the methodology used for determining the initial Funding Agreement bases.

## Section 2: Actuarial Valuation Results

### Low-Default-Risk Obligation Measure (LDRM)

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 (LDRM) when performing a funding valuation. The LDRM 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 LDRM 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 LDRM 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 December of the measurement period, by The Bond Buyer ([www.bondbuyer.com](http://www.bondbuyer.com)), is 4.83% for use effective December 31, 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 LDRM is not used to determine a plan’s funded status or Actuarially Determined Contribution. The plan’s expected return on assets, currently 6.50%, is used for these calculations.

As of December 31, 2025, the LDRM for the system is \$7,039,535,654. The difference between the plan’s AAL of \$5,760,489,044 and the LDRM 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 LDRM 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.

We have not been engaged to perform a detailed analysis of the potential range of the impact of risk relative to the Plan's future financial condition but have included a brief discussion of some risks that may affect the Plan.

- Economic and Other Related Risks. Potential implications for the Plan due to the following economic effects (that were not reflected as of the valuation date) include:
  - Volatile financial markets and investment returns lower than assumed
  - High inflationary environment impacting salary increases and COLAs

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

If the actual return on market value for the prior plan year were 1% different (either higher or lower), the unfunded actuarial liability would change by 0.53%, or about \$19.8 million, disregarding the asset smoothing method.

The market value rate of return over the last 17 years has ranged from a low of -24.80% to a high of 16.99%.

- 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.

- Contribution Risk (the risk that actual contributions will be different from actuarially determined contribution)

City contributions are set by the Funding Agreement which includes maximum amounts and set contributions through the Fiscal Year ending September 30, 2029, which may be less than the actuarially determined contributions. If future experience does not match the assumptions used to set the contributions, the unfunded actuarial accrued liability may not be paid off within 30 years.

- 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.
  - More or less active participant turnover than assumed.
- There are external factors including legislative or financial reporting changes that could impact the Plan's funding and disclosure requirements. While we do not assume any changes in such external factors, it is important to understand that they could have significant consequences for the Plan.

## Section 2: Actuarial Valuation Results

- Actual Experience Over the Last Ten Years

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

- The annual investment gain(loss) on a market value basis has ranged from a loss of \$377.6 million to a gain of \$198.2 million.
- The annual non-investment gain(loss) has ranged from a loss of \$113.5 million to a gain of \$59.1 million.

Plan Year Ended	Market Investment Gain/(Loss)	All Other Gains and (Losses)
2016	-\$9,954,337	-\$53,565,950
2017	-52,151,589	-51,705,978
2018	-105,891,055	59,106,115
2019	-19,852,697	-13,622,672
2020	-149,294,320	-66,430,137
2021	198,197,350	31,267,441
2022	-377,563,609	45,173,646
2023	129,403,995	23,536,444
2024	51,809,960	-113,536,117
2025	177,848,115	-23,574,248

- The funded percentage on the actuarial value of assets has ranged from a low of 33.8% to a high of 49.4% since 2017.

### Maturity measures

- As pension plans mature, the cash needed to fulfill benefit obligations will increase over time. Therefore, cash flow projections and analysis should be performed to assure that the Plan’s asset allocation is aligned to meet emerging pension liabilities.
- Currently the Plan has a non-active to active participant ratio of 0.98.
- For the prior year, benefits and expenses paid were \$66.7 million more than contributions received. Plans with high levels of negative cash flows may have a need for a larger allocation to income-generating assets, which can create a drag on investment return.

## Section 2: Actuarial Valuation Results

### Detailed risk assessment

- A more detailed assessment of the risks would provide the Board with a better understanding of the risks inherent in the Plan. This assessment may include scenario testing, sensitivity testing, stress testing, and stochastic modeling.
- A detailed risk assessment could be important for the Plan because:
  - The Plan's asset allocation has potential for a significant amount of investment return volatility.
  - Inactive and retired participants account for most of the Plan's liabilities, leaving limited options for reducing plan costs in the event of adverse experience.
  - Potential recent changes in the plan of covered population may result in participant choices that vary from those assumed.
  - Actual contributions have been less than the actuarially determined contribution for several years, which may indicate additional funding challenges in the future.

## Section 2: Actuarial Valuation Results

### GFOA funded liability by type

The Actuarial Accrued Liability represents the present value of benefits earned, calculated using the Plan's actuarial cost method. The Actuarial Value of Assets reflects the financial resources available to liquidate the liability. The portion of the liability covered by assets reflects the extent to which accumulated plan assets are sufficient to pay future benefits, and is shown for liabilities associated with employee contributions, pensioner liabilities, and other liabilities. The Government Finance Officers Association (GFOA) recommends that the funding policy aim to achieve a funded ratio of 100 percent.

#### GFOA Funded Liability by Type as of December 31

Type	2026	2025
<b>Actuarial accrued liability (AAL)</b>		
Active member contributions	\$542,287,619	\$490,230,548
Retirees and beneficiaries	3,551,323,063	3,520,994,086
Inactive vested members	33,632,967	35,874,365
Active and inactive non-vested members (employer-financed)	1,633,245,395	1,510,158,282
<b>Total</b>	<b>\$5,760,489,044</b>	<b>\$5,557,257,281</b>
Actuarial value of assets	2,025,998,519	1,892,332,008
<b>Cumulative portion of AAL covered</b>		
<b>Active member contributions</b>	<b>100.00%</b>	<b>100.00%</b>
<b>Retirees and beneficiaries</b>	<b>41.78%</b>	<b>39.82%</b>
<b>Active and inactive members (employer-financed)</b>	<b>0.00%</b>	<b>0.00%</b>

## 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 December 31, 2025	Year Ended December 31, 2024
<b>Liabilities</b>		
Present value of benefits for retired members and beneficiaries (Non-DROP)	\$2,800,388,413	\$2,731,088,101
Present value of benefits for retired members and beneficiaries (DROP)	750,934,650	789,905,985
Present value of benefits for inactive vested members	34,965,691	36,983,128
Present value of benefits for active members	3,718,617,491	3,428,552,608
<b>Total liabilities</b>	<b>\$7,304,906,245</b>	<b>\$6,986,529,822</b>
<b>Current and future assets</b>		
Total valuation value of assets	\$2,025,998,519	\$1,892,332,008
Present value of future contributions by members	959,455,461	879,430,893
Present value of future employer contributions for:		
• Entry age cost	584,961,740	549,841,648
• Unfunded actuarial accrued liability	3,734,490,525	3,664,925,273
<b>Total of current and future assets</b>	<b>\$7,304,906,245</b>	<b>\$6,986,529,822</b>

## Section 2: Actuarial Valuation Results

### Volatility ratios

Retirement plans are subject to volatility in the level of required contributions. This volatility tends to increase as retirement plans become more mature.

The Asset Volatility Ratio (AVR), which is equal to the market value of assets divided by total computation pay, provides an indication of the potential contribution volatility for any given level of investment volatility. A higher AVR indicates that the plan is subject to a greater level of contribution volatility. This is a current measurement since it is based on the current level of assets.

The current AVR is about 3.6%. This means that a 1% asset gain or loss (relative to the assumed investment return) translates to about 3.6% of one-year's computation pay. Since actuarial gains and losses are amortized over five years, there would be a 0.7% of computation pay decrease/(increase) in the required contribution for each 1% asset gain or loss.

The Liability Volatility Ratio (LVR), which is equal to the Actuarial Accrued Liability divided by computation pay, provides an indication of the longer-term potential for contribution volatility for any given level of investment volatility. This is because, over an extended period of time, the plan's assets should track the plan's liabilities. For example, if a plan is 50% funded on a market value basis, the liability volatility ratio would be double the asset volatility ratio and the plan sponsor should expect contribution volatility to increase over time as the plan becomes better funded.

The LVR also indicates how volatile contributions will be in response to changes in the Actuarial Accrued Liability due to actual experience or to changes in actuarial assumptions. The current LVR is about 9.2. This is about 256% higher than the AVR. Therefore, we would expect that contribution volatility will increase over the long term.

## Section 2: Actuarial Valuation Results

Year Ended December 31	Volatility Ratios	
	Asset Volatility Ratio	Liability Volatility Ratio
2016	6.0	12.2
2017	6.1	13.0
2018	5.6	12.4
2019	5.2	11.9
2020	4.5	12.0
2021	4.9	11.8
2022	3.9	11.3
2023	4.1	11.5
2024	3.7	10.2
2025	3.6	9.2

# Section 3: Supplemental Information

## Exhibit A: Table of plan demographics

Demographic Data	December 31, 2025	December 31, 2024	Change
<b>Active members in valuation:</b>			
• Number	5,606	5,356	4.7%
• Average age	39.8	39.9	-0.1
• Average years of service	12.3	12.4	-0.1
• Average computation pay	\$111,520	\$101,586	9.8%
• Account balances	542,287,619	490,230,548	10.6%
• Total active vested members	3,996	3,976	0.5%
<b>Active members in valuation (excluding DROP):</b>			
• Number	5,428	5,161	5.2%
• Average age	39.1	39.2	-0.1
• Average years of service	11.6	11.6	0.0
• Average computation pay	\$110,966	\$101,054	9.8%
<b>Active members in valuation (DROP only):</b>			
• Number	178	195	-8.7%
• Average age	60.9	60.1	0.8
• Average years of service	34.6	33.8	0.8
• Average computation pay	\$128,429	\$115,679	11.0%
• DROP Account balances	75,580,875	78,774,807	-4.1%
<b>Inactive vested members:</b>			
• Number	235	240	-2.1%
• Average age	42.4	42.4	0.0
• Average monthly benefit	\$1,283	\$1,324	-3.1%

## Section 3: Supplemental Information

Demographic Data	December 31, 2025	December 31, 2024	Change
<b>Inactive nonvested members due a refund:</b>			
• Number	229	234	-2.1%
• Accumulated contribution balance	\$1,332,724	\$1,108,763	20.2%
<b>Retired members:</b>			
• Number in pay status	3,932	3,917	0.4%
• Average age	69.1	68.7	0.4
• Average monthly benefit	\$4,994	\$4,971	0.5%
<b>Disabled members:</b>			
• Number in pay status	95	98	-3.1%
• Average age	68.7	68.2	0.5
• Average monthly benefit	\$3,561	\$3,554	0.2%
<b>Beneficiaries:</b>			
• Number in pay status	1,245	1,227	1.5%
• Average age	73.8	73.7	0.1
• Average monthly benefit	\$2,631	\$2,619	0.5%
<b>Beneficiaries with DROP only:</b>	<b>227</b>	<b>203</b>	<b>11.8%</b>

## Section 3: Supplemental Information

### Exhibit B: Members in active service and average pay<sup>1</sup> as of December 31, 2025 by age and years of service

Age	Total	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40 & over
Under 25	274	274	—	—	—	—	—	—	—	—
	\$83,857	\$83,857	—	—	—	—	—	—	—	—
25-29	853	690	163	—	—	—	—	—	—	—
	\$90,626	\$87,266	\$104,850	—	—	—	—	—	—	—
30 - 34	969	419	449	101	—	—	—	—	—	—
	\$101,100	\$88,016	\$108,974	\$120,377	—	—	—	—	—	—
35 - 39	914	169	280	344	121	—	—	—	—	—
	\$112,842	\$89,081	\$109,620	\$121,468	\$128,964	—	—	—	—	—
40 - 44	844	37	116	212	423	56	—	—	—	—
	\$120,677	\$90,292	\$108,844	\$119,838	\$126,050	\$127,859	—	—	—	—
45 - 49	719	15	32	100	277	224	70	1	—	—
	\$125,632	\$95,400	\$107,816	\$118,874	\$126,677	\$129,902	\$132,004	\$133,395	—	—
50 - 54	544	2	8	24	107	176	193	34	—	—
	\$128,085	\$94,841	\$117,933	\$118,740	\$122,344	\$127,690	\$132,657	\$133,181	—	—
55 - 59	337	2	1	11	34	65	91	95	38	—
	\$127,160	\$51,266	\$122,827	\$123,483	\$121,266	\$125,542	\$130,830	\$126,773	\$132,555	—
60 - 64	119	1	1	—	9	30	13	28	30	7
	\$126,512	\$78,769	\$103,319	—	\$120,927	\$123,487	\$128,083	\$128,722	\$127,503	\$140,783
65 - 69	26	1	—	2	—	4	3	3	6	7
	\$122,932	\$93,609	—	\$120,133	—	\$130,338	\$128,959	\$116,569	\$120,468	\$125,945
70 & over	7	—	—	—	2	1	—	—	—	4
	\$119,138	—	—	—	\$113,322	\$41,856	—	—	—	\$141,366
<b>Total</b>	<b>5,606</b>	<b>1,610</b>	<b>1,050</b>	<b>794</b>	<b>973</b>	<b>556</b>	<b>370</b>	<b>161</b>	<b>74</b>	<b>18</b>
	<b>\$111,520</b>	<b>\$87,180</b>	<b>\$108,532</b>	<b>\$120,509</b>	<b>\$125,943</b>	<b>\$127,985</b>	<b>\$131,894</b>	<b>\$128,316</b>	<b>\$129,527</b>	<b>\$135,143</b>

<sup>1</sup> Pay is annualized for those hired during the prior plan year

## Section 3: Supplemental Information

### Police members in active service and average pay<sup>1</sup> as of December 31, 2025 by age and years of service

Age	Total	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40 & over
Under 25	171	171	—	—	—	—	—	—	—	—
	\$83,092	\$83,092	—	—	—	—	—	—	—	—
25-29	521	398	123	—	—	—	—	—	—	—
	\$91,082	\$86,725	\$105,177	—	—	—	—	—	—	—
30 - 34	557	214	273	70	—	—	—	—	—	—
	\$102,951	\$88,096	\$110,076	\$120,583	—	—	—	—	—	—
35 - 39	528	89	143	210	86	—	—	—	—	—
	\$113,869	\$88,204	\$111,143	\$120,632	\$128,446	—	—	—	—	—
40 - 44	491	28	45	95	277	46	—	—	—	—
	\$121,232	\$91,203	\$108,620	\$118,427	\$126,029	\$128,761	—	—	—	—
45 - 49	410	6	26	40	168	136	34	—	—	—
	\$124,908	\$95,179	\$108,572	\$117,961	\$126,535	\$128,214	\$129,553	—	—	—
50 - 54	316	—	5	17	77	99	96	22	—	—
	\$126,687	—	\$113,378	\$117,214	\$123,476	\$126,875	\$130,144	\$132,332	—	—
55 - 59	212	1	—	9	32	40	45	59	26	—
	\$125,684	\$3,748	—	\$123,118	\$120,614	\$127,027	\$127,592	\$127,032	\$129,077	—
60 - 64	71	—	—	—	9	16	7	16	20	3
	\$125,527	—	—	—	\$120,927	\$122,037	\$124,191	\$127,632	\$127,431	\$137,146
65 - 69	18	—	—	1	—	4	3	2	6	2
	\$125,324	—	—	\$113,091	—	\$130,338	\$128,959	\$129,420	\$120,468	\$126,430
70 & over	6	—	—	—	2	1	—	—	—	3
	\$114,108	—	—	—	\$113,322	\$41,856	—	—	—	\$138,715
<b>Total</b>	<b>3,301</b>	<b>907</b>	<b>615</b>	<b>442</b>	<b>651</b>	<b>342</b>	<b>185</b>	<b>99</b>	<b>52</b>	<b>8</b>
	<b>\$111,602</b>	<b>\$86,612</b>	<b>\$109,201</b>	<b>\$119,811</b>	<b>\$125,801</b>	<b>\$127,245</b>	<b>\$129,170</b>	<b>\$128,355</b>	<b>\$127,450</b>	<b>\$135,056</b>

<sup>1</sup> Pay is annualized for those hired during the prior plan year

## Section 3: Supplemental Information

### Fire members in active service and average pay<sup>1</sup> as of December 31, 2025 by age and years of service

Age	Total	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40 & over
Under 25	103	103	—	—	—	—	—	—	—	—
	\$85,127	\$85,127	—	—	—	—	—	—	—	—
25-29	332	292	40	—	—	—	—	—	—	—
	\$89,911	\$88,002	\$103,843	—	—	—	—	—	—	—
30 - 34	412	205	176	31	—	—	—	—	—	—
	\$98,598	\$87,933	\$107,265	\$119,912	—	—	—	—	—	—
35 - 39	386	80	137	134	35	—	—	—	—	—
	\$111,438	\$90,057	\$108,030	\$122,777	\$130,236	—	—	—	—	—
40 - 44	353	9	71	117	146	10	—	—	—	—
	\$119,905	\$87,460	\$108,986	\$120,984	\$126,091	\$123,710	—	—	—	—
45 - 49	309	9	6	60	109	88	36	1	—	—
	\$126,594	\$95,547	\$104,539	\$119,483	\$126,895	\$132,511	\$134,318	\$133,395	—	—
50 - 54	228	2	3	7	30	77	97	12	—	—
	\$130,022	\$94,841	\$125,526	\$122,446	\$119,437	\$128,738	\$135,144	\$134,736	—	—
55 - 59	125	1	1	2	2	25	46	36	12	—
	\$129,664	\$98,783	\$122,827	\$125,123	\$131,693	\$123,167	\$133,999	\$126,348	\$140,091	—
60 - 64	48	1	1	—	—	14	6	12	10	4
	\$127,968	\$78,769	\$103,319	—	—	\$125,144	\$132,623	\$130,175	\$127,648	\$143,511
65 - 69	8	1	—	1	—	—	—	1	—	5
	\$117,551	\$93,609	—	\$127,175	—	—	—	\$90,866	—	\$125,752
70 & over	1	—	—	—	—	—	—	—	—	1
	\$149,319	—	—	—	—	—	—	—	—	\$149,319
<b>Total</b>	<b>2,305</b>	<b>703</b>	<b>435</b>	<b>352</b>	<b>322</b>	<b>214</b>	<b>185</b>	<b>62</b>	<b>22</b>	<b>10</b>
	<b>\$111,404</b>	<b>\$87,914</b>	<b>\$107,587</b>	<b>\$121,386</b>	<b>\$126,228</b>	<b>\$129,168</b>	<b>\$134,617</b>	<b>\$128,253</b>	<b>\$134,435</b>	<b>\$135,212</b>

<sup>1</sup> Pay is annualized for those hired during the prior plan year

## Section 3: Supplemental Information

### Exhibit C: Reconciliation of member data

Description	Active Members	Inactive Vested Members <sup>1</sup>	Disableds	Retired Members	Beneficiaries <sup>2</sup>	Total
<b>Number as of January 1, 2025</b>	<b>5,356</b>	<b>240</b>	<b>98</b>	<b>3,917</b>	<b>1,227</b>	<b>10,838</b>
New members	457	N/A	N/A	N/A	N/A	457
Terminations — with vested rights	-34	34	—	—	—	—
Terminations — without vested rights	-29	N/A	N/A	N/A	N/A	-29
Retirements	-85	-17	N/A	102	N/A	—
New disabilities	—	—	—	N/A	N/A	—
Died with beneficiary	—	—	—	—	71	71
Died without beneficiary	-7	—	-3	-87	-52	-149
Lump sum cash-outs	-76	-19	—	—	-1	-96
Rehire	24	-3	N/A	—	N/A	21
Certain period expired	N/A	N/A	—	—	-5	-5
Data adjustments	—	—	—	—	5	5
<b>Number as of January 1, 2026</b>	<b>5,606</b>	<b>235</b>	<b>95</b>	<b>3,932</b>	<b>1,245</b>	<b>11,113</b>

<sup>1</sup> Excludes non-vested terminated members due a refund of contributions

<sup>2</sup> Excludes beneficiaries with DROP only

## Section 3: Supplemental Information

### Exhibit D: Summary of income and expenses on a market value basis

Item	Year Ended December 31, 2025	Year Ended December 31, 2024
<b>Contribution and other income:</b>		
• City contributions	\$215,072,214	\$188,633,391
• Member contributions	75,608,346	67,919,867
– <b>Total contribution and other income</b>	<b>\$290,680,560</b>	<b>\$256,553,258</b>
<b>Investment income:</b>		
• Investment income	\$314,673,850	\$181,869,341
• Less investment fees	-8,251,679	-7,474,450
– <b>Net investment income</b>	<b>\$306,422,171</b>	<b>\$174,394,891</b>
• <b>Total income available for benefits</b>	<b>\$597,102,731</b>	<b>\$430,948,149</b>
<b>Benefit payments and expenses:</b>		
• Administrative expenses	-\$8,078,361	-\$7,408,894
• Benefit payments	-345,018,519	-341,808,845
• Refunds	-4,303,639	-5,124,597
– <b>Total benefit payments and expenses</b>	<b>-\$357,400,519</b>	<b>-\$354,342,336</b>
<b>Change in market value of assets</b>	<b>\$239,702,212</b>	<b>\$76,605,813</b>
<b>Market value of assets, beginning of the year</b>	<b>\$2,011,422,373</b>	<b>\$1,934,816,560</b>
<b>Market value of assets, end of the year</b>	<b>\$2,251,124,585</b>	<b>\$2,011,422,373</b>

## Section 3: Supplemental Information

### Exhibit E: Determination of Actuarial Value of Assets

It is desirable to have level and predictable plan costs from one year to the next. For this reason, the Board has approved an asset valuation method that gradually adjusts to market value. Under this valuation method, the full value of market fluctuations is not recognized in a single year and, as a result, the asset value and the plan costs are more stable. The amount of the adjustment to recognize market value is treated as income, which may be positive or negative. Realized and unrealized gains and losses are treated equally and, therefore, the sale of assets has no immediate effect on the actuarial value.

#### Determination of Actuarial Value of Assets for Year Ended December 31, 2025

Item	Original Amount <sup>1</sup>	Percent Deferred <sup>2</sup>	Unrecognized Amount <sup>3</sup>	Amount
1. Market value of assets, December 31, 2025				\$2,251,124,585
2. Calculation of unrecognized return				
a. Year ended December 31, 2025	\$177,848,115	80%	\$142,278,492	
b. Year ended December 31, 2024	51,809,960	60%	31,085,976	
c. Year ended December 31, 2023	129,403,995	40%	51,761,598	
<b>d. Total unrecognized return</b>				<b>\$225,126,066</b>
<b>3. Preliminary actuarial value: (1) - (2d)</b>				<b>2,025,998,519</b>
4. Adjustment to be within 20% corridor				0
<b>5. Final actuarial value of assets as of December 31, 2025: (3) + (4)</b>				<b>\$2,025,998,519</b>
6. Actuarial value as a percentage of market value: (5) ÷ (1)				90.0%
7. Amount deferred for future recognition: (1) - (5)				\$225,126,066

<sup>1</sup> Total return minus expected return on a market value basis.

<sup>2</sup> Percent deferred applies to the current valuation year.

<sup>3</sup> Recognition at 20% per year over five years. Deferred return as of December 31, 2025 recognized in each of the next four years:

a. Amount recognized on December 31, 2026	71,812,414
b. Amount recognized on December 31, 2027	71,812,414
c. Amount recognized on December 31, 2028	45,931,615
d. Amount recognized on December 31, 2029	35,569,623

## Section 3: Supplemental Information

### Exhibit F: Summary statement of plan assets

Item	As of December 31, 2025	As of December 31, 2024
<b>Cash equivalents</b>		
• Total cash equivalents	\$93,197,628	\$72,096,323
<b>Accounts receivable:</b>		
• Total accounts receivable	\$24,041,256	\$17,713,722
<b>Capital assets</b>	<b>11,228,878</b>	<b>11,350,562</b>
<b>Investments:</b>		
• Short-term investments	\$17,386,128	\$27,630,911
• Fixed income securities	281,934,228	401,780,308
• Equity securities	1,221,448,015	1,055,766,008
• Real assets	200,540,951	247,322,377
• Private equity	189,228,294	185,443,416
• Other	225,237,739	-49
• Total investments at market value	\$2,135,775,355	\$1,917,942,971
<b>Total assets</b>	<b>\$2,264,243,117</b>	<b>\$2,019,103,578</b>
<b>Accounts payable:</b>		
• Total accounts payable	-\$13,118,532	-\$7,681,205
<b>Net assets at market value</b>	<b>\$2,251,124,585</b>	<b>\$2,011,422,373</b>
<b>Net assets at actuarial value</b>	<b>\$2,025,998,519</b>	<b>\$1,892,332,008</b>

## Section 3: Supplemental Information

### Exhibit G: History of financial information

Year Ended December 31	City Contributions	Employee Contributions	Net Investment Return <sup>1</sup>	Admin. Expenses	Benefit Payments	Market Value of Assets at Year-End	Actuarial Value of Assets at Year-End	Actuarial Value as a Percent of Market Value
2016	\$119,423,106	\$25,518,317	\$159,355,111	\$9,492,445	\$825,092,132	\$2,149,836,260	\$2,157,799,730	100.4%
2017	126,318,005	32,977,425	98,457,176	8,089,584	296,153,811	2,103,345,471	2,151,039,343	102.3%
2018	149,356,565	49,332,262	42,822,297	5,861,410	297,081,055	2,041,914,130	2,161,899,662	105.9%
2019	155,721,087	52,268,293	124,259,607	6,445,251	309,860,549	2,057,857,317	2,160,125,611	105.0%
2020	161,950,183	57,305,399	-8,927,336	6,534,350	317,950,620	1,943,700,593	2,127,834,406	109.5%
2021	165,541,265	58,559,980	321,062,889	6,390,829	324,633,468	2,157,840,430	2,117,978,431	98.2%
2022	169,911,420	59,706,574	-240,891,386	6,361,999	333,637,698	1,806,567,341	1,806,567,341	100.0%
2023	171,960,839	62,510,063	243,098,278	5,974,248	343,345,713	1,934,816,560	1,831,293,364	94.6%
2024	188,633,391	67,919,867	174,394,891	7,408,894	346,933,442	2,011,422,373	1,892,332,008	94.1%
2025	215,072,214	75,608,346	306,422,171	8,078,361	349,322,158	2,251,124,585	2,025,998,519	90.0%

<sup>1</sup> On a market basis, net of investment fees

## Section 3: Supplemental Information

### Exhibit H: Table of amortization bases

Type	Date Established	Initial Period	Initial Amount	Annual Payment <sup>1</sup>	Years Remaining	Outstanding Balance
Funding Agreement Base <sup>2</sup>	1/1/2023	30	\$3,271,780,176	\$188,759,774	27	\$3,423,084,029
Actuarial Loss	1/1/2024	29	136,072,586	7,242,449	27	138,239,246
Change in Assumptions	1/1/2024	29	116,622,580	6,207,224	27	118,479,540
Actuarial Loss	1/1/2025	28	90,882,095	4,811,481	27	91,838,487
Change in Assumptions	1/1/2025	28	-68,583,591	-3,630,954	27	-69,305,326
Plan Amendments	1/1/2025	28	2,672,635	141,495	27	2,700,760
Actuarial Gain	1/1/2026	27	-21,546,877	-1,128,856	27	-21,546,877
Plan Amendment	1/1/2026	27	51,000,666	2,671,960	27	51,000,666
<b>Total</b>				<b>\$205,074,573</b>		<b>\$3,734,490,525</b>

Note: Actuarial gain and loss bases include annual actuarial experience along with an amount to ensure the outstanding balance of the bases equals the unfunded actuarial accrued liability.

<sup>1</sup> Level percent of payroll

<sup>2</sup> The Funding Agreement base has been restated from the prior valuation. The initial amount and outstanding balance present the present value of remaining payments per the Funding Agreement. The annual payment is the payment per the Funding Agreement for the upcoming City's fiscal year discounted back to the valuation date.

## Section 3: Supplemental Information

### Exhibit I: Funding Agreement

The Funding Agreement with the City includes two components:

1. **Fixed dollar payments** covering (a) the initial 30-year amortization of unfunded actuarial accrued liability (UAL) measured as of January 1, 2023, and (b) administrative expenses; and
2. **Percent-of-pay payments** covering (a) the normal cost and (b) amortization of any gains or losses arising after January 1, 2023, to be paid over the greater of 20 years or the remaining amortization period of the initial liability. This amount will be re-calculated after each five-year experience study.

#### Funding Agreement Payment Schedule and Percent-of-Pay Range

City's Fiscal Year Ending September 30	Amortization of January 1, 2023 UAL	Administrative Expenses	Total Fixed Dollar Payment	Minimum Percent-of-Pay Payment	Maximum Percent-of-Pay Payment
2025	\$161,656,000	\$7,000,000	\$168,656,000	6.78%	6.78%
2026	179,482,000	7,000,000	186,482,000	6.66%	6.66%
2027	197,889,000	7,000,000	204,889,000	6.57%	6.57%
2028	217,163,000	7,000,000	224,163,000	6.51%	6.51%
2029	237,336,000	7,000,000	244,336,000	6.45%	6.45%
2030	242,341,000	7,000,000	249,341,000	TBD	TBD
2031	248,399,000	7,000,000	255,399,000	TBD	TBD
2032	254,609,000	7,000,000	261,609,000	TBD	TBD
2033	260,975,000	7,000,000	267,975,000	TBD	TBD
2034	267,499,000	7,000,000	274,499,000	TBD	TBD
2035	274,186,000	7,000,000	281,186,000	TBD	TBD
2036	281,041,000	7,000,000	288,041,000	TBD	TBD
2037	288,067,000	7,000,000	295,067,000	TBD	TBD

## Section 3: Supplemental Information

City's Fiscal Year Ending September 30	Amortization of January 1, 2023 UAL	Administrative Expenses	Total Fixed Dollar Payment	Minimum Percent-of-Pay Payment	Maximum Percent-of-Pay Payment
2038	295,269,000	7,000,000	302,269,000	TBD	TBD
2039	302,650,000	7,000,000	309,650,000	TBD	TBD
2040	310,217,000	7,042,000	317,259,000	TBD	TBD
2041	317,972,000	7,218,000	325,190,000	TBD	TBD
2042	325,921,000	7,399,000	333,320,000	TBD	TBD
2043	334,069,000	7,584,000	341,653,000	TBD	TBD
2044	342,421,000	7,773,000	350,194,000	TBD	TBD
2045	350,982,000	7,967,000	358,949,000	TBD	TBD
2046	359,756,000	8,167,000	367,923,000	TBD	TBD
2047	368,750,000	8,371,000	377,121,000	TBD	TBD
2048	377,969,000	8,580,000	386,549,000	TBD	TBD
2049	387,418,000	8,795,000	396,213,000	TBD	TBD
2050	397,104,000	9,014,000	406,118,000	TBD	TBD
2051	407,031,000	9,240,000	416,271,000	TBD	TBD
2052	417,207,000	9,471,000	426,678,000	TBD	TBD
2053	427,637,000	9,708,000	437,345,000	TBD	TBD
2054	438,328,000	9,950,000	448,278,000	TBD	TBD

Per the Funding Agreement, a new fixed-dollar supplemental pay amortization amount will be added in the January 1, 2026 valuation and amortized until January 1, 2053, as a level percentage of payroll, for cost associated with the two supplemental pay components added with this valuation. The contributions will be paid by the City beginning in the fiscal year ending September 30, 2028. This new payment schedule is below based on the cost of the supplemental pay components of \$51,000,666 as of January 1, 2026 and

## Section 3: Supplemental Information

amortized over 27 years based on a level percent of pay at the 3.5% payroll growth assumption. Payments are projected 21 months and then adjusted further to account for middle-of-year contribution timing.

### Supplemental Pay Payment Schedule

City's Fiscal Year Ending September 30	Amortization of January 1, 2026 Supplemental Pay Liability
2028	\$3,079,000
2029	\$3,186,000
2030	\$3,298,000
2031	\$3,413,000
2032	\$3,533,000
2033	\$3,657,000
2034	\$3,785,000
2035	\$3,917,000
2036	\$4,054,000
2037	\$4,196,000
2038	\$4,343,000
2039	\$4,495,000
2040	\$4,652,000
2041	\$4,815,000
2042	\$4,983,000
2043	\$5,158,000
2044	\$5,338,000

## Section 3: Supplemental Information

<b>City's Fiscal Year Ending September 30</b>	<b>Amortization of January 1, 2026 Supplemental Pay Liability</b>
2045	\$5,525,000
2046	\$5,719,000
2047	\$5,919,000
2048	\$6,126,000
2049	\$6,340,000
2050	\$6,562,000
2051	\$6,792,000
2052	\$7,030,000
2053	\$7,276,000
2054	\$7,530,000

# Section 4: Actuarial Valuation Basis

## Exhibit J: Actuarial assumptions, methods and models

### Rationale for assumptions

The information and analysis used by the Board in selecting each assumption that has a significant effect on this actuarial valuation is shown in the Experience Study Report for the five-year period ended December 31, 2025. Current data is reviewed in conjunction with each annual valuation. Based on professional judgement, no assumption changes are warranted at this time.

### Net investment return

6.50%. The net investment return assumption was chosen by the System's Board of Trustees, with input from the actuary. This 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 well as the System's target asset allocation.

For purposes of the Funding Agreement Supplemental Payments, the System is assumed to have a positive market value return 70% of the time.

## Section 4: Actuarial Valuation Basis

### Salary increases

Year	Officers	Corporals, Drivers & Senior Officers	Sergeants, Lieutenants, Captains, Majors, Deputy Chiefs, Assistant Chiefs & Chiefs
2025	10.00%	14.00%	10.00%
2026+	Service based rates	Service based rates	Service based rates

Service	Rate
0-2	8.00%
3-5	7.00%
6-8	6.00%
9-11	5.00%
12-14	4.00%
15+	3.50%

The salary scale assumption is based on the 2025 pay scales, along with analysis completed in conjunction with an Experience Study Report for the five-year period ended December 31, 2024.

### Payroll growth

3.50%, used to amortize the unfunded actuarial accrued liability as a level percentage of payroll.

### Cost-of-living adjustments

**Prior to October 1, 2046:** 0.00%

**Beginning October 1, 2046:** 1.50%, on original benefit

The assumption for the year the COLA begins is updated periodically and set equal to the year the System is projected to be 70% funded on a market value basis after the COLA is reflected. The COLA assumption will automatically be updated as needed to remain five percentage points less than the net investment return assumption.

## Section 4: Actuarial Valuation Basis

### Supplemental payments

In pay status prior to January 1, 2026: 1.70%

Begins pay status on or after January 1, 2026: 0.70%

### Administrative expenses

\$7,000,000 per year, payable monthly (equivalent to \$6,783,022 at the beginning of the year), or 1% of computation pay, if greater

### Mortality rates

**Healthy pre-retirement:** Pub-2016 Public Safety Employee Amount-Weighted Mortality Table, set forward five years for males and set back two years for females, projected generationally using Scale MP-2021

**Healthy annuitants and dependent spouses:** Pub-2016 Public Safety Retiree Amount-Weighted Mortality Table, multiplied times 1.25 for males and multiplied times 0.8 for females, projected generationally using Scale MP-2021

**Healthy contingent beneficiaries:** Pub-2016 Public Safety Contingent Survivor Amount-Weighted Mortality Table, multiplied by 1.1 for males and multiplied by 1.25 for females, projected generationally using Scale MP-2021

**Disabled annuitants:** Pub-2016 Public Safety Disabled Retiree Amount-Weighted Mortality Table, set forward five years for males, projected generationally using Scale MP-2021

The tables above, with adjustments as shown and projected to the measurement date, reasonably reflect the mortality experience of the System as of the measurement date. The mortality tables are then generationally projected using Scale MP-2021 to anticipate future mortality improvement.

30% of pre-retirement active deaths are assumed to be in the line of duty.

## Section 4: Actuarial Valuation Basis

### Termination rates (%) before retirement

#### Disability

Age	Disability <sup>1</sup>
20	0.004
25	0.009
30	0.014
35	0.019
40	0.024
45	0.029
50	0.034
55	--
60	--

#### Withdrawal

Years of Service	Police	Fire
0	15.0	12.0
1	9.0	9.0
2 – 4	6.5	7.0
5	4.0	5.0
6 – 7	4.0	2.5
8	2.0	2.5
9 – 10	2.0	1.0
11 – 20	1.5	1.0
21 – 24	1.0	1.0
25 & over	0.0	0.0

<sup>1</sup> 100% of disabilities are assumed to be service related

## Section 4: Actuarial Valuation Basis

### Retirement rates

#### DROP Active Members

Age	Police Retirement Probability (%)	Fire Retirement Probability (%)
Under 52	0	0
52 – 56	11	5
57	20	20
58 – 59	20	30
60	30	30
61	30	20
62 – 64	10	20
65 & over	100	100

75% retirement rate after ten years in DROP.

#### Non-DROP Active Members

Age	Member with at least 20 years of service as of September 1, 2017 Retirement Probability (%)	Member with less than 20 years of service as of September 1, 2017 Retirement Probability (%)
Under 50	1	1
50 – 51	11	4
52 – 53	15	4
54 – 56	15	7
57 – 58	15	8
59 – 61	30	8
62	100	100

100% retirement rate once benefit multiplier hits 90% maximum

## Section 4: Actuarial Valuation Basis

### **Weighted average retirement age**

Age 58, determined as follows: The weighted average retirement age for each participant is calculated as the sum of the product of each potential current or future retirement age times the probability of surviving from current age to that age and then retiring at that age, assuming no other decrements. The overall weighted retirement age is the average of the individual retirement ages based on all the active members included in the January 1, 2026 actuarial valuation

### **Retirement for inactive vested participants**

Terminated vested members are assumed to retire at Normal Retirement Age. 25% of members are assumed to take a lump sum cash out within the first two years of termination.

### **DROP utilization**

No members are assumed to elect to enter DROP

### **Interest on DROP accounts**

2.75% on account balances as of September 1, 2017, payable upon retirement

0.00% on account balances accrued after September 1, 2017

### **DROP payment period**

Based on expected lifetime as of the later of September 1, 2017 or retirement date. Expected lifetime determined based on an 85% male/15% female blend of the current healthy annuitant mortality tables.

### **DROP annuitization interest**

2.75%. Based on United States Department of Commerce Daily Treasury Yield Curve Rates for durations between 5 and 30 years.

### **Actuarial equivalence**

Actuarial equivalence for optional forms of benefit payments are based on an 85% male/15% female blend of the current healthy annuitant mortality tables, along with an interest rate of 6.50%

## Section 4: Actuarial Valuation Basis

### Unknown data for members

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

### Family composition

75% of members are assumed to be married. Females are assumed to be two years younger than males. The youngest child is assumed to be ten years old.

### Benefit election

Married participants are assumed to receive the Joint and Survivor annuity form of payment and non-married participants are assumed to receive a Life Only annuity.

### Actuarial value of assets

Market value of assets less unrecognized returns in each of the last five years. Unrecognized return is equal to the difference between the actual market return and the expected return on the market value, and is recognized over a five-year period, further adjusted, if necessary, to be within 20% of the market value.

### Actuarial cost method

Entry Age Actuarial Cost Method. Entry Age is the age at the time the member commenced employment. Normal Cost and Actuarial Accrued Liability are calculated on an individual basis, with Normal Cost determined using the plan of benefits applicable to each participant. Actuarial Liability is allocated by salary.

### Amortization methodology

The Board adopted a methodology that established two amortization bases of specified amounts as of January 1, 2023. The first amortization base was in the amount of \$2,290,000,000 and is to be amortized over 30 years on a level percent of pay basis. The second amortization base was in the amount of \$988,028,785, with a five-year step up of the amortization payment, with the outstanding balance after five years to be amortized over a 25-year period on a level percent of pay basis. Beginning on January 1, 2024, each year's experience due to actuarial gains and losses or plan, assumption, or method changes are amortized over the amortization period remaining on the initial 2023 bases. Beginning in 2033, newly established bases will be set at a period of 20 years.

## 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.

The blended discount rate used for calculating total pension liability for GASB 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, to control 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.

### Justification for change in actuarial assumptions

There have been no changes in actuarial assumptions since the last valuation.

## Section 4: Actuarial Valuation Basis

### Exhibit K: 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

January 1 through December 31

#### Plan status

Ongoing

### Members whose participation began before March 1, 2011

#### Normal retirement

##### Benefit earned prior to September 1, 2017:

- Age Requirement: 50
- Service Requirement: 5
- Amount: Greater of 3.0% of Average Computation Pay times years of Pension Service (maximum 96.0%) and \$2,200 per month. The \$2,200 per month minimum benefit is prorated if the Member retires with less than 20 years of service.
- Average Computation Pay: 36 consecutive months that reflect the highest civil service rank held by a member, plus Educational Incentive Pay, Longevity Pay and City Service Incentive Pay

##### Benefit earned beginning September 1, 2017:

- Age Requirement: 58
- Service Requirement: 5
- Amount: Greater of 2.5% of Average Computation Pay times years of Pension Service (maximum 90.0%) and \$2,200 per month. The \$2,200 per month minimum benefit is prorated if the Member retires with less than 20 years of service.
- Average Computation Pay: 60 consecutive months that reflect the highest civil service rank held by a member, plus Educational Incentive Pay, Longevity Pay and City Service Incentive Pay

## Section 4: Actuarial Valuation Basis

### 20 and out reduced retirement

#### If eligible as of September 1, 2017:

- Age Requirement: None
- Service Requirement: 20 years
- Amount: 20 & Out Multiplier times 36-month (Table 1 Benefit) or 60-month (Table 2 Benefit) Average Computation Pay times years of Pension Service

**Benefit Accrued Before September 1, 2017  
20 & Out Table 1**

Age	Multiplier
45 & under	2.00%
46	2.25%
47	2.50%
48	2.75%
49	2.75%
50 & above	3.00%

**Benefit Accrued Beginning September 1, 2017  
20 & Out Table 2**

Age	Multiplier
53 & under	2.00%
54	2.10%
55	2.20%
56	2.30%
57	2.40%
58 & above	2.50%

#### If not eligible as of September 1, 2017:

- Age Requirement: None
- Service Requirement: 20 years
- Amount: 20 & Out Multiplier times 60-month Average Computation Pay times years of Pension Service

**20 & Out Table 2**

Age	Multiplier
53 & under	2.00%
54	2.10%
55	2.20%
56	2.30%
57	2.40%
58 & above	2.50%

## Section 4: Actuarial Valuation Basis

### Early retirement

If at least age 45 as of September 1, 2017 and less than age 50:

- Age Requirement: 45
- Service Requirement: 5
- Amount: Normal pension accrued prior to September 1, 2017 plus the benefit accrued based on the 20 & Out Table 2 for service beginning September 1, 2017, reduced by 2/3 of 1% for each whole month by which the benefit commencement date precedes age 50

### Non-service-connected disability

- Eligibility: Injury or illness (lasting more than 90 days) not related to or incurred while in the performance of the member's job, preventing the member from performing their departmental duties.
- Amount: Normal pension accrued

### Service-connected disability

- Eligibility: Injury or illness (lasting more than 90 days) obtained while on duty in the performance of the member's job.
- Amount: Normal pension accrued; if the member has less than 20 years of service, the benefit will be calculated as if they had 20 years at the time of disability

### Benefit supplement

- Age Requirement: 55
- Service Requirement: 20 years, waived if member is receiving a service-connected disability
- Amount: 3% of the total monthly benefit (including any applicable COLA's) payable to the Member when the Member attains age 55. The benefit supplement shall not be less than \$75 per month.
- Beginning September 1, 2017, only those annuitants and their survivors already receiving the supplement will be eligible to maintain their current supplement, which will not change ongoing; no additional retirees will be eligible for the supplement.

## Section 4: Actuarial Valuation Basis

### Members whose participation began on or after March 1, 2011

#### Normal retirement

- Age Requirement: 58
- Service Requirement: 5
- Amount: 2.5% of Average Computation Pay for each year of Pension Service, maximum 90%. The minimum monthly benefit is \$110 times the number of years of Pension Service at retirement, but not greater than \$2,200.
- Average Computation Pay: 60 consecutive months that reflects the highest civil service rank held by a member plus Educational Incentive Pay plus Longevity Pay plus City Service Incentive Pay

#### 20 and out reduced retirement

- Age Requirement: None
- Service Requirement: 20 years
- Amount: 20 & Out Multiplier times Average Computation Pay times years of Pension Service

Age	Multiplier
53 & under	2.00%
54	2.10%
55	2.20%
56	2.30%
57	2.40%
58 & above	2.50%

#### Early retirement

- Age Requirement: 53
- Service Requirement: 5
- Amount: Normal pension accrued, reduced by 2/3 of 1% for each whole month by which the benefit commencement date precedes the normal retirement date

## Section 4: Actuarial Valuation Basis

### Non-service-connected disability

- Eligibility: Injury or illness (lasting more than 90 days) not related to or incurred while in the performance of the member's job, preventing the member from performing their departmental duties.
- Amount: The Member's accrued benefit, but not less than a pro-rated minimum benefit

### Service-connected disability

- Eligibility: Injury or illness (lasting more than 90 days) obtained while on duty in the performance of the member's job.
- Amount: The greater of 50% of Average Computation Pay and the Member's accrued benefit; if the member has less than 20 years of service, the benefit will be calculated as if they had 20 years of service at the time of disability.

## All members

### Termination benefit

- With less than five years of pension service: Upon request, the member's contributions will be returned without interest.
- With at least five years of pension service: The member may either withdraw contributions or leave contributions in the Plan and receive a monthly benefit to commence no earlier than the member's earliest eligibility for retirement benefits. Retirement benefit is equal to the accrued benefit as of the date of termination.

### Pre-retirement death benefits

**While in active service, duty-related deaths:** The greater of 100% of the Member's accrued benefit or a benefit based on 20 years of service. The benefit may not exceed 90% of Average Computation Pay.

**While in active service, off-duty deaths:** The greater of 50% of the Member's accrued benefit or a benefit based on 20 years of service. The benefit may not exceed 45% of Average Computation Pay.

**After leaving active service, with fewer than five years:** A lump sum benefit equal to the return of member contributions without interest.

**After leaving active service, with at least five years:** 50% of the Member's accrued benefit, with no early retirement reduction, or a refund of member contributions

## Section 4: Actuarial Valuation Basis

### Post retirement death benefit

50% or 100% of the pension the Member was receiving at the time of their death, depending on the form of joint and survivor annuity chosen; if there are no qualifying survivors, no further benefits will be paid.

### Qualified surviving children benefit

50% of the pension the Member was receiving at the time of their death, divided equally among the children, paid until the youngest child is 19 years old or for life if the child becomes disabled prior to age 23, unless the death is in the line of duty and there is not a Qualified Surviving Spouse, in which case the children share 100% of the pension the Member was receiving at the time of their death.

### Minimum survivor benefit

\$1,100 per month, not to exceed the actual amount the Member was receiving upon their death. If there are no Qualified Surviving Children, the minimum benefit to a spouse who is a Qualified Survivor shall be \$1,200 per month. If the Member had less than 20 years of Pension Service, the minimum benefit will be prorated based on actual years of Pension Service.

### Special survivor benefit

- Eligibility: Upon leaving active service or joining DROP: a) the Member was at least 55 years old with at least 20 years of pension service, or b) the sum of the Member's age plus Pension Service was at least 78; **and**  
Has no Qualified Surviving Children or disabled children currently eligible for survivor benefits; **and**  
Whose Qualified Surviving Spouse is at least 55 years old. The Qualified Surviving Spouse does not have to be 55 years old at the time of the Member's death.
- Amount: Once all the eligibility conditions are met, the amount the Qualified Surviving Spouse will receive increases from 50% of the Member's pension benefit to a percentage of the Member's pension benefit based on the Member's applicable benefit multiplier times the number of years of Pension Service the Member worked.

### Survivor benefit if no qualified surviving spouse or qualified surviving children

A lump sum that is the actuarial equivalent of 120 monthly payments of the greater of: 50% of the Member's pension benefit at the time of their death, or a benefit based on 20 years of the Member's service.

### DROP

- Eligibility: Members in active service who are retirement eligible may elect to enter the Deferred Retirement Option Plan (DROP).
- Distribution: The DROP account balance will be paid over the expected future lifetime of annuitants.

## Section 4: Actuarial Valuation Basis

- Interest: Based on United States Department of Commerce Daily Treasury Yield Curve Rates for durations between 5 and 30 years; interest rate is based on the expected lifetime of the members at the time they retire. Interest is only paid on DROP account balances as of September 1, 2017.
- Maximum years of crediting: Once an active member reaches 10 years in DROP they will no longer have their pension benefit credited to their DROP account.

### Cost-of-living adjustments (COLAs)

After the System is 70% funded, the Board may grant an ad hoc COLA based on the actual market return over the prior five years less 5%, not to exceed 4% of the base benefit, if, after granting a COLA, the funded ratio on a market value of assets basis is no less than 70%.

### Supplemental payments

Individuals in pension status may be eligible for annual supplemental payments determined as a percentage of annual pension benefits (excluding DROP), measured as of the beginning of each plan year. Payments continue until the System is able to grant a COLA in accordance with the provisions of 6243a-1 after the Plan has reached 70% funding.

- Automatic Supplemental Payment (1%): Payable each year to individuals in pension status prior to January 1, 2026, equal to 1% of annual pension benefits (excluding DROP).
- Contingent Supplemental Payment (1%): Payable each year to all individuals in pension status (current and future), equal to 1% of annual pension benefits (excluding DROP), only if the System achieves a one-year rate of return on the market value of assets greater than 0.0% in the prior plan year, as reported in the most recent actuarial valuation. No payment is made for years with a non-positive return. For valuation purposes, it is assumed the System achieves a positive return 70% of the time.

### Member contributions

13.5% of computation pay for all members

### City contributions

The City contributions for Fiscal Years ending September 30, 2025 through 2054 are based on 30-year closed amortization amount with five-year step-up for the unfunded actuarial accrued liability, and administrative expenses as well as set normal cost ranges as a percentage of pay, determined based on projections as of January 1, 2023 calculated by a third-party. New amortization layers will be established for changes in the unfunded liability over the later of a closed 20-year period or January 1, 2053, but will not be greater than the amounts established based on the initial amortization schedule.

## Section 4: Actuarial Valuation Basis

### Forms of benefits

50% or 100% Joint and Survivor Pension

### Changes in Plan Provisions

The following plan change effective January 1, 2026 is included for the first time in this valuation pursuant to the Funding Agreement with the City:

- Effective January 1, 2026, individuals in pension status may receive supplemental payments equal to up to 2% of annual pension benefits (excluding DROP), determined as of the beginning of each plan year, continuing until the System is able to grant a COLA in accordance with the provisions of 6243a-1 after the Plan has reached 70% funding.
- The supplemental payment consists of two components:
  - Automatic payment (1%): Payable only to individuals in pension status prior to January 1, 2026.
  - Contingent payment (additional 1%): Payable to all individuals in pension status (current and future), only if the System achieves a one-year rate of return on the market value of assets greater than 0.0% in the prior plan year, as reported in the most recent actuarial valuation report. For any year in which the System does not achieve a rate of return greater than 0.0%, this contingent payment will not be made. It is assumed the System will have a positive return 70% of the time.
- Accordingly, individuals in pension status prior to January 1, 2026, may receive both the automatic and contingent payments (up to 2% total), while individuals retiring on or after January 1, 2026, are eligible only for the contingent payment (1%).

# Section 5: GASB Information

## Exhibit L: Net Pension Liability

Components of the Net Pension Liability	Current	Prior
Measurement date and reporting date for the plan under GASB 67	December 31, 2025	December 31, 2024
Total Pension Liability	\$5,766,993,939	\$5,566,762,524
Plan Fiduciary Net Position	2,251,124,585	2,011,422,373
Net Pension Liability	3,515,869,354	3,555,340,151
Plan Fiduciary Net Position as a percentage of the Total Pension Liability <sup>1</sup>	39.03%	36.13%

**Actuarial assumptions.** The Total Pension Liability (TPL) as of December 31, 2025, which was determined based on the results of an actuarial valuation as of January 1, 2026, used the following actuarial assumptions, applied to all periods included in the measurement:

Assumption Type	Assumption
Wage inflation	3.50%
Salary increases	10.00% or 14.00% in 2025, varying by rank, based on the 2025 pay scales; thereafter, 3.50% to 10.00% ,varying by service, including inflation
Net investment rate of return	6.50%, net pension plan investment expense, including inflation

Detailed information regarding all actuarial assumptions can be found in Section 4.

<sup>1</sup> These funded percentages are not necessarily appropriate for assessing the sufficiency of Plan assets to cover the estimated cost of settling the Plan's benefit obligation or the need for or the amount of future contributions.

## Section 5: GASB Information

### Exhibit M: 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 <sup>1</sup>
Global Equity	54%	5.76%
Emerging Market Equity	4%	7.12%
Private Equity	6%	9.27%
Global Fixed Income	4%	1.75%
Short-Term Investment Grade Bonds	6%	1.12%
Investment Grade Bonds	4%	1.41%
High Yield Bonds	2%	2.92%
Bank Loans	2%	2.73%
Emerging Markets Debt	3%	3.12%
Private Credit	4%	5.46%
Real Estate	5%	3.71%
Natural Resources	3%	4.54%
Cash	3%	0.78%
<b>Total</b>	<b>100.00%</b>	

**Discount rate.** The discount rate used to measure the Total Pension Liability (TPL) was 6.50%. Based on those assumptions, the Plan Fiduciary Net Position (FNP) was 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 was applied to all periods of projected benefit payments to determine the TPL.

<sup>1</sup> The real rates of return are provided by Segal Marco Advisors and are net of inflation

## Section 5: GASB Information

**Actuarial cost method:** In accordance with GASB 67, the TPL for active members is valued as the total present value of benefits once they enter the DROP. For the funding valuation, the liability for these members accumulates from their entry age until they are assumed to leave active service.

## Section 5: GASB Information

### Exhibit N: Discount rate sensitivity

The following presents the Net Pension Liability (NPL) of the Pension System as of January 1, 2026 calculated using the discount rate of 6.50%, as well as what the Pension System's NPL would be if it were calculated using a discount rate that is 1-percentage-point lower (5.50%) or 1-percentage-point higher (7.50%) than the current rate.

Item	1% Decrease (5.50%)	Current Discount Rate (6.50%)	1% Increase (7.50%)
Net Pension Liability	\$4,233,199,988	\$3,515,869,354	\$2,921,383,800

## Section 5: GASB Information

### Exhibit O: Schedule of changes in Net Pension Liability

Components of the Net Pension Liability	Current	Prior
Measurement date and reporting date for the plan under GASB 67	December 31, 2025	December 31, 2024
<b>Total Pension Liability</b>		
Service cost	\$117,158,559	\$80,814,499
Interest	358,101,900	338,949,208
Change of benefit terms	51,024,234	2,702,621
Differences between expected and actual experience	23,268,880	109,670,922
Changes of assumptions	0	74,303,294
Benefit payments, including refunds of member contributions	-349,322,158	-346,933,442
<b>Net change in Total Pension Liability</b>	<b>\$200,231,415</b>	<b>\$259,507,102</b>
Total Pension Liability — beginning	5,566,762,524	5,307,255,422
<b>Total Pension Liability — ending</b>	<b>\$5,766,993,939</b>	<b>\$5,566,762,524</b>
<b>Plan Fiduciary Net Position</b>		
Contributions — employer	\$215,072,214	\$188,633,391
Contributions — employee	75,608,346	67,919,867
Net investment income	306,422,171	174,394,891
Benefit payments, including refunds of member contributions	-349,322,158	-346,933,442
Administrative expense	-8,078,361	-7,408,894
Other	0	0
<b>Net change in Plan Fiduciary Net Position</b>	<b>\$239,702,212</b>	<b>\$76,605,813</b>
Plan Fiduciary Net Position — beginning	2,011,422,373	1,934,816,560
<b>Plan Fiduciary Net Position — ending</b>	<b>\$2,251,124,585</b>	<b>\$2,011,422,373</b>

## Section 5: GASB Information

Components of the Net Pension Liability	Current	Prior
<b>Net Pension Liability</b>		
Net Pension Liability – ending	\$3,515,869,354	\$3,555,340,151
Plan Fiduciary Net Position as a percentage of the Total Pension Liability	39.03%	36.13%
Covered payroll <sup>1</sup>	\$546,918,930	\$503,931,046
Plan Net Pension Liability as percentage of covered payroll	642.85%	705.52%

### Notes to Schedule:

- **Benefit changes:**

- The benefit changes in 2025 is the addition of Funding Agreement supplemental payments. Effective January 1, 2026, a supplemental payment of up to 2% of annual pension benefits was introduced, consisting of a 1% automatic payment for individuals already in pay status and a 1% payment contingent on positive asset returns. Individuals retiring on or after January 1, 2026 are eligible only for the contingent portion.
- The benefit changes in 2024 are based on Article 6243a-1, as amended by House Bill 4034 (HB 4034) and effective September 1, 2023. These include changes to the line of duty death benefit and the line of duty disability benefit.

- **Change of Assumptions:** The assumption changes in 2024 were based on the recommendations in the experience study for the period January 1, 2020 through December 31, 2024 and included changes to the salary scale, mortality rates, withdrawal rates, retirement rates, disability rates, and assumed spousal age. Additionally, the Ad Hoc COLA assumption was updated from beginning in 2073 to 2046.

<sup>1</sup> Covered payroll represents compensation earnable and pensionable compensation. Only compensation earnable and pensionable compensation that would possibly go into the determination of the retirement benefits are included.

## Section 5: GASB Information

### Exhibit P: Schedule of employer contributions

City's Fiscal Year Ended September 30	Actuarially Determined Contributions	Contributions in Relation to the Actuarially Determined Contributions	Contribution Deficiency (Excess)	Covered Payroll	Contributions as a Percentage of Covered Payroll
2025	\$217,612,884	\$204,888,932	\$12,723,952	\$503,931,046	40.66%
2026	258,459,201	–	–	546,918,930	–
2027	286,034,600	–	–	–	–

#### Notes to Schedule:

- Methods and assumptions used to determine contribution rates for the City's fiscal year ended September 30, 2026:**  
 These are not the same assumptions used in the January 1, 2025 actuarial valuation or for the Total Pension Liability as measured as of December 31, 2024.
- Valuation date:** Actuarially determined contribution is calculated using a January 1, 2025 valuation date as of the beginning of the prior year. The actuarially determined contribution for the City's fiscal year ended September 30, 2026 was calculated in the January 1, 2025 actuarial valuation, with an interest and timing adjustment assuming the contribution will be paid in the City's fiscal year beginning October 1, 2025 and ending September 30, 2026.
- Actuarial cost method:** Entry age
- Amortization method:** The Board adopted a Funding Agreement with the City of Dallas that was based on a methodology that established two amortization bases of specified amounts as of January 1, 2023. The first amortization base was in the amount of \$2,290,000,000 and is to be amortized over 30 years on a level percent of pay basis. The second amortization base was in the amount of \$988,028,785, with a five-year step up of the amortization payment, with the outstanding balance after five years to be amortized over a 25-year period on a level percent of pay basis. Beginning on January 1, 2024, each year's experience due to actuarial gains and losses or plan, assumption, or method changes are amortized over the amortization period remaining on the initial 2023 bases. Beginning in 2033, newly established bases will be set at a period of 20 years.
- Remaining amortization period: 28 years as of January 1, 2025

## Section 5: GASB Information

- **Asset valuation method:** Market value of assets less unrecognized returns in each of the last five years. Unrecognized return is equal to the difference between the actual market return and the expected return on the market value, and is recognized over a five-year period, further adjusted, if necessary, to be within 20% of the market value.
- **Investment rate of return:** 6.50%, including inflation, net of pension plan investment expense
- **Inflation rate:** 2.50%
- **Projected salary increases:** Inflation plus merit increases; varying by group and year
- **Retirement rates:** Group-specific rates based on age
- **Mortality:**
  - **Pre-retirement:** Pub-2016 Public Safety Employee Amount-Weighted Mortality Table, set forward five years for males and set back two years for females, projected generationally using Scale MP-2021
  - **Healthy annuitant:** Pub-2016 Public Safety Retiree Amount-Weighted Mortality Table, multiplied times 1.25 for males and multiplied times 0.8 for females, projected generationally using Scale MP-2021
  - **Healthy contingent beneficiaries:** Pub-2016 Public Safety Contingent Survivor Amount-Weighted Mortality Table, multiplied by 1.1 for males and multiplied by 1.25 for females, projected generationally using Scale MP-2021
  - **Disabled:** Pub-2016 Public Safety Disabled Retiree Amount-Weighted Mortality Table, set forward five years for males, projected generationally using Scale MP-2021
- **Other information:** See Section 4, Exhibit I of the January 1, 2025 actuarial valuation for a full outline of assumptions. See Exhibit O of this section for the history of changes to plan provisions and assumptions over the last two years.
  - **DROP utilization:** 0% of Police and Fire members are assumed to elect to enter DROP.
  - **Interest on DROP accounts:** Beginning January 1, 2018, 2.75% payable upon retirement on active account balances as of September 1, 2017.

# 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	<p>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:</p> <p>Adjusted for the probable financial effect of certain intervening events (such as changes in compensation levels, marital status, etc.)</p> <p>Multiplied by the probability of the occurrence of an event (such as survival, death, disability, withdrawal, etc.) on which the payment is conditioned, and</p> <p>Discounted according to an assumed rate (or rates) of return to reflect the time value of money.</p>

## 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: <b>Investment return</b> — the rate of investment yield that the Plan will earn over the long-term future; <b>Mortality rates</b> — the rate or probability of death at a given age for employees and retirees; <b>Retirement rates</b> — the rate or probability of retirement at a given age or service; <b>Disability rates</b> — the rate or probability of disability retirement at a given age; <b>Withdrawal rates</b> — the rate or probability at which employees of various ages are expected to leave employment for reasons other than death, disability, or retirement; <b>Salary increase rates</b> — 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.