

Police and Firemen's Retirement System of New Jersey

**Governmental Accounting Standards Board
Statements No. 67 and No. 68 Actuarial Valuation
Measured as of June 30, 2025**



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February 12, 2026

Board of Trustees
Police and Firemen's Retirement System of New Jersey
50 West State Street, Trenton, NJ 08625

Dear Board Members:

We are pleased to submit this Governmental Accounting Standards Board Statements No. 67 and No. 68 (GASB 67/68) Actuarial Valuation Measured as of June 30, 2025 for the Police and Firemen's Retirement System of New Jersey. It contains various information that will need to be disclosed in order to comply with GASB 67 and 68. Please refer to the Police and Firemen's Retirement System of New Jersey Actuarial Valuation and Review as of July 1, 2024, dated February 26, 2025, and Segal's Actuarial Experience Review report, dated June 3, 2025, for the data, assumptions, and plan of benefits underlying these calculations.

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 Plan and the Plan's other service providers.

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; increases or decreases expected as part of the natural operation of the methodology used for these measurements (such as the end of an amortization period); changes in economic or demographic assumptions; and changes in plan provisions or applicable law.

The actuarial calculations were completed under the supervision of Jonathan Scarpa, FSA, EA, MAAA. 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 the actuarial valuation is complete and accurate. The assumptions used in this actuarial valuation were selected by the Board of Trustees based upon my analysis and recommendations. In my opinion, the assumptions are reasonable and take into account the experience of the Police and Firemen's Retirement System of New Jersey and reasonable expectations. In addition, in my opinion, the combined effect of these assumptions is expected to have no significant bias.

February 11, 2026

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 of Trustees 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.

I look forward to reviewing this report with you and to answering any questions.

Sincerely,

Segal



Frank Santasiero, FSA, FCA, EA, MAAA
Vice President and Actuary



Jonathan Scarpa, FSA, EA, MAAA,
Vice President and Actuary

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Section 1: Actuarial Valuation Summary

Purpose and basis

This report has been prepared by Segal to present certain disclosure information required by Governmental Accounting Standards Board Statements No. 67 and 68 (GASB 67/68) as of June 30, 2025. Determinations for purposes other than meeting financial accounting may be significantly different from the results reported here. This report is based on:

- The benefit provisions of the Plan, as administered by the Board, including changes to the benefit provisions under Chapter 21, P.L. 2025;
- The characteristics of covered active participants, vested terminated participants, and retired participants and beneficiaries as of June 30, 2024, provided by the Division of Pensions and Benefits (DPB);
- The assets of the Plan as of June 30, 2025, provided by the Division of Pensions and Benefits;
- Economic assumptions regarding future salary increases, inflation and investment earnings adopted by the Board for the July 1, 2025 funding valuation, reflecting the approved assumption changes as recommended in Segal's Actuarial Experience Review report dated June 3, 2025; and
- Other actuarial assumptions, regarding employee terminations, retirement, death, etc. adopted by the Board for the July 1, 2025 funding valuation, reflecting the approved assumption changes as recommended in Segal's Actuarial Experience Review report dated June 3, 2025.

Section 1: Actuarial Valuation Summary

Highlights of the valuation

- It is important to note that GASB 67 and 68 only define pension liability and expense for financial reporting purposes, and do not apply to contribution amounts for pension funding purposes.
- When measuring pension liability, GASB uses the Entry Age actuarial cost method as a level percent of salary and the same discount rate (expected return on assets) as used for funding as of July 1, 2024, 7.0%. The detailed calculations used in the derivation of the discount rate can be found in Appendices B and C. Various other information that is required to be disclosed can be found throughout Section 2.
- The Net Pension Liability (NPL) is equal to the difference between the Total Pension Liability (TPL) and the Plan Fiduciary Net Position (FNP). The FNP is equal to the market value of assets and therefore, the NPL measure is very similar to the Unfunded Actuarial Accrued Liability (UAAL) on a market value basis.
- The NPL measured as of June 30, 2025 and June 30, 2024 was determined based upon the results of actuarial valuations as of July 1, 2024 and July 1, 2023, respectively.
- The assumptions used to measure the TPL and NPL as of June 30, 2025 reflect the approved assumption changes as recommended in Segal's Actuarial Experience Review report dated June 3, 2025 and the plan amendment adopted between July 1, 2024 and June 30, 2025.
- The NPL for the entire System decreased from \$16.8 billion as of June 30, 2024 to \$16.5 billion as of June 30, 2025 primarily due to investment experience during the year ended June 30, 2025. Changes in these values during the two fiscal years ended June 30, 2024 and June 30, 2025 can be found in Section 2.
- It is important to note that this actuarial valuation is based on plan assets as of June 30, 2025. The Plan's actuarial status does not reflect short-term fluctuations in the market, but rather is based on the market values on the last day of the Plan Year. While it is impossible to determine how the market will perform over the next several months, and how that will affect the results of next year's valuation, Segal is available to prepare projections of potential outcomes upon request.

Section 1: Actuarial Valuation Summary

Summary of key valuation results – State

Valuation Result	Current	Prior
Measurement date	June 30, 2025	June 30, 2024
Disclosure elements:		
• Service cost	\$135,377,489	\$116,651,482
• Total Pension Liability	6,696,571,077	6,404,078,773
• Plan Fiduciary Net Position	2,249,274,478	2,008,799,008
• Net Pension Liability	4,447,296,599	4,395,279,765
• Plan Fiduciary Net Position as a percentage of Total Pension Liability	33.59%	31.37%
• Pension expense	\$379,908,525	\$335,053,585
Demographic data:		
• Number of retired members and beneficiaries	7,878	7,685
• Number of vested terminated members	9	9
• Number of active members	5,328	5,502
• Number of non-contributing active members	453	508
Key assumptions:		
• Expected return on assets	7.00%	7.00%
• Inflation rate	2.50%	2.75%

Section 1: Actuarial Valuation Summary

Summary of key valuation results – Local Employers

Valuation Result	Current	Prior
Measurement date	June 30, 2025	June 30, 2024
Disclosure elements:		
• Service cost	\$992,147,045	\$838,552,120
• Total Pension Liability	47,266,419,347	45,210,001,314
• Plan Fiduciary Net Position	35,201,519,194	32,847,534,868
• Net Pension Liability	12,064,900,153	12,362,466,446
• Plan Fiduciary Net Position as a percentage of Total Pension Liability	74.47%	72.66%
• Pension expense	\$806,455,536	\$775,608,387
Demographic data:		
• Number of retired members and beneficiaries	43,241	42,424
• Number of vested terminated members	58	57
• Number of active members	34,582	34,054
• Number of non-contributing active members	1,323	1,387
Key assumptions:		
• Expected return on assets	7.00%	7.00%
• Inflation rate	2.50%	2.75%

Section 1: Actuarial Valuation Summary

Summary of key valuation results - Total

Valuation Result	Current	Prior
Measurement date	June 30, 2025	June 30, 2024
Disclosure elements:		
• Service cost	\$1,127,524,534	\$955,203,602
• Total Pension Liability	53,962,990,424	51,614,080,087
• Plan Fiduciary Net Position	37,450,793,672	34,856,333,876
• Net Pension Liability	16,512,196,752	16,757,746,211
• Plan Fiduciary Net Position as a percentage of Total Pension Liability	69.40%	67.53%
• Pension expense	\$1,186,364,061	\$1,110,661,973
Demographic data:		
• Number of retired members and beneficiaries	51,119	50,109
• Number of vested terminated members	67	66
• Number of active members	39,910	39,556
• Number of non-contributing active members	1,776	1,895
Key assumptions:		
• Expected return on assets	7.00%	7.00%
• Inflation rate	2.50%	2.75%

Section 1: Actuarial Valuation Summary

Important information about actuarial valuations

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

Input Item	Description
Plan of benefits	Plan provisions define the rules that will be used to determine benefit payments, and those rules, or the interpretation of them, may change over time. Even where they appear precise, outside factors may change how they operate. It is important to keep Segal informed with respect to plan provisions and administrative procedures, and to review the plan summary included in our report to confirm that Segal has correctly interpreted the plan of benefits.
Participant data	An actuarial valuation for a plan is based on data provided to the actuary by the DPB. 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.
Assets	The valuation is based on the fair value of assets as of the valuation date, as provided by the DPB.
Actuarial assumptions	In preparing an actuarial valuation, Segal starts by developing a forecast of the benefits to be paid to existing plan participants for the rest of their lives and the lives of their beneficiaries. This requires actuarial assumptions as to the probability of death, disability, withdrawal, and retirement of participants in each year, as well as forecasts of the plan's benefits for each of those events. In addition, the benefits forecasted for each of those events in each future year reflect actuarial assumptions as to salary increases and cost-of-living adjustments. The forecasted benefits are then discounted to a present value, typically based on an estimate of the rate of return that will be achieved on the plan's assets. All of these factors are uncertain and unknowable. Thus, there will be a range of reasonable assumptions, and the results may vary materially based on which assumptions are selected within that range. That is, there is no right answer (except with hindsight). It is important for any user of an actuarial valuation to understand and accept this constraint. The actuarial model may use approximations and estimates that will have an immaterial impact on our results. Actuarial assumptions are periodically reviewed to ensure that future valuations reflect emerging experience. While future changes in assumptions may have a significant impact on the reported results, that does not mean that the previous assumptions or results were unreasonable.
Actuarial models	<p>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. 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.</p> <p>The blended discount rate used for calculating total pension liability is based on a model developed by our Actuarial Technology and Systems unit. The model allows the client team, under the supervision of the responsible actuary, control over the entry of future expected contribution income, benefit payments and administrative expenses. The projection of fiduciary net position and the discounting of benefits is part of the model.</p>

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 Board. It includes information for compliance with accounting standards and for the plan's auditor. 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 future financial measures, except where otherwise noted. 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.
- Sections of this report may include actuarial results that are shown to the nearest dollar, but that does not imply precision.
- If the Board 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.
- 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 Board upon delivery and review. The DPB should notify Segal immediately of any questions or concerns about the final content.
- Segal does not provide investment, legal, accounting, or tax advice and is not acting as a fiduciary to the Plan. This valuation is based on Segal's understanding of applicable guidance in these areas and of the Plan's provisions, but they may be subject to alternative interpretations. The Board should look to their other advisors for expertise in these areas.

Section 2: GASB Information

General information about the pension plan

Plan membership. At June 30, 2024, pension plan membership consisted of the following:

Membership	State	Local Employers	Total
Retired participants or beneficiaries currently receiving benefits	7,878	43,241	51,119
Vested terminated members entitled to but not yet receiving benefits	9	58	67
Active members	5,328	34,582	39,910
Non-contributing active members	453	1,323	1,776
Total	13,668	79,204	92,872

Benefits provided. The GASB 67 and 68 results as of June 30, 2025 are based on the plan of benefits as disclosed in the actuarial valuation as of July 1, 2024, updated to reflect the following plan amendment:

- Chapter 9, P.L. 2022 was amended, under Chapter 21, P.L. 2025, to allow police and fire department chiefs to remain members in the Police and Firemen’s Retirement System of New Jersey until the end of the calendar year in which the member reaches age 67 provided the member was appointed as a chief prior to attaining age 65 and attained age 65 between the effective date and the 60th month following that date.

Section 2: GASB Information

Exhibit A: Net Pension Liability

Components of the Net Pension Liability	State	
Measurement date	June 30, 2025	June 30, 2024
Total Pension Liability	\$6,696,571,077	\$6,404,078,773
Plan Fiduciary Net Position	2,249,274,478	2,008,799,008
Net Pension Liability	4,447,296,599	4,395,279,765
Plan Fiduciary Net Position as a percentage of the Total Pension Liability	33.59%	31.37%

Components of the Net Pension Liability	Local Employers	
Measurement date	June 30, 2025	June 30, 2024
Total Pension Liability	\$47,266,419,347	\$45,210,001,314
Plan Fiduciary Net Position	35,201,519,194	32,847,534,868
Net Pension Liability	12,064,900,153	12,362,466,446
Plan Fiduciary Net Position as a percentage of the Total Pension Liability	74.47%	72.66%

Components of the Net Pension Liability	Total	
Measurement date	June 30, 2025	June 30, 2024
Total Pension Liability	\$53,962,990,424	\$51,614,080,087
Plan Fiduciary Net Position	37,450,793,672	34,856,333,876
Net Pension Liability	16,512,196,752	16,757,746,211
Plan Fiduciary Net Position as a percentage of the Total Pension Liability	69.40%	67.53%

Section 2: GASB Information

Actuarial assumptions. The TPL as of June 30, 2025, which was determined based on the results of the actuarial valuation as of June 30, 2024, used the following actuarial assumptions, applied to all periods included in the measurement:

Assumption Type	Assumption
Wage inflation	2.50%
Salary increases	Varies by service
Net investment rate of return	7.00%, net of pension plan investment expense, including inflation
Other assumptions	See Appendix A for a complete description of all actuarial assumptions. These assumptions reflect the changes approved by the Board as recommended in the analysis of actuarial experience study for the period July 1, 2021 through June 30, 2024.

Detailed information regarding all actuarial assumptions can be found in Appendix A.

Section 2: GASB Information

Exhibit B: 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 and subtracting expected investment expenses. The target allocation (approved by the Board) and projected arithmetic real rates of return for each major asset class, after deducting inflation, but before investment expenses, used in the derivation of the long-term expected investment rate of return assumption are summarized in the following table:

Asset Class	Target Allocation	Long-Term Expected Real Rate of Return ¹
Domestic equity	31.00%	6.00%
Foreign equity	11.50%	6.10%
Emerging market equity	4.50%	7.30%
Private equity	10.00%	9.55%
Core fixed income	14.00%	1.80%
High yield fixed income	6.00%	3.40%
Private debt	10.00%	6.00%
Real estate	7.00%	3.40%
Infrastructure	3.00%	6.00%
Cash	2.00%	1.00%
Special situations	1.00%	3.70%
Total	100.00%	

Discount rate. The discount rate used to measure the TPL was 7.00% as of June 30, 2025 and June 30, 2024. The projection of cash flows used to determine the discount rate assume plan member contributions will be made at the current member contribution rate and that Local employer and State contributions will be made at 100% of the statutory contribution amounts. The assumption that the State will contribute 100% of the statutory contribution is based on the State making the full contribution for the fiscal year ending June 30, 2026. For this purpose, only Local employer and State contributions that are intended to fund benefits for current plan members and their beneficiaries are included. Projected Local employer and State contributions that are intended to fund the

¹ The long-term expected real rates of return shown are net of inflation.

Section 2: GASB Information

service costs for future plan members and their beneficiaries, as well as projected contributions from future plan members, are not included. Based on those assumptions, the Plan 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 as of both June 30, 2025 and June 30, 2024.

Section 2: GASB Information

Exhibit C: Discount rate sensitivity

The following presents the Net Pension Liability of the Police and Firemen's Retirement System of New Jersey as of June 30, 2025 calculated using the discount rate of 7.00%, as well as what the NPL would be if it were calculated using a discount rate that is 1-percentage-point lower (6.00%) or 1-percentage-point higher (8.00%) than the current rate.

Item	1% Decrease (6.00%)	Current Discount Rate (7.00%)	1% Increase (8.00%)
State	\$5,223,993,068	\$4,447,296,599	\$3,798,273,384
Local Employers	\$17,551,359,779	\$12,064,900,153	\$7,487,464,243
Total	\$22,775,352,847	\$16,512,196,752	\$11,285,737,627

Section 2: GASB Information

Exhibit D: Schedule of changes in Net Pension Liability

Components of the Net Pension Liability	State	
	Current	Prior
Measurement date	June 30, 2025	June 30, 2024
Total Pension Liability		
Service cost	\$116,945,975	\$116,651,482
Interest	441,880,612	429,441,170
Change of benefit terms	0	0
Differences between expected and actual experience	52,940,134	46,198,086
Changes of assumptions	97,614,724	0
Benefit payments	-417,605,753	-413,072,303
Transfers from other systems – employer	30,899	-266,131
Transfers from other systems – member	685,713	469,765
Net change in Total Pension Liability	\$292,492,304	\$179,422,069
Total Pension Liability — beginning	6,404,078,773	6,224,656,704
Total Pension Liability — ending	\$6,696,571,077	\$6,404,078,773
Plan Fiduciary Net Position		
Contributions – employer (appropriations)	\$402,619,085	\$396,790,437
Contributions – employer (lottery)	12,996,000	14,100,000
Employer contribution – delayed enrollments	76,313	23,034
Employer contribution – delayed appropriations	0	0
Employer contribution – retroactive	0	0
Employer contribution – additional	0	0
Contributions – member	54,971,060	53,038,073
Net investment income	189,651,538	157,056,954
Benefit payments, including transfers from other systems	-416,889,141	-412,868,669
Administrative expense	-2,949,385	-49,992
Net change in Plan Fiduciary Net Position	\$240,475,470	\$208,089,837
Plan Fiduciary Net Position — beginning	2,008,799,008	1,800,709,171
Plan Fiduciary Net Position — ending	\$2,249,274,478	\$2,008,799,008
Net Pension Liability		
Net Pension Liability – ending	\$4,447,296,599	\$4,395,279,765
Plan Fiduciary Net Position as a percentage of the Total Pension Liability	33.59%	31.37%
Covered payroll	\$539,584,773	\$536,620,088
Plan Net Pension Liability as percentage of covered payroll	824.21%	819.07%

Section 2: GASB Information

Measurement date	Local Employers	
	June 30, 2025	June 30, 2024
Total Pension Liability		
Service cost	\$866,724,578	\$838,552,120
Interest	3,122,776,464	3,028,209,690
Change of benefit terms	-10,355,434	0
Differences between expected and actual experience	414,282,274	351,241,593
Changes of assumptions	594,257,256	0
Benefit payments	-2,933,698,867	-2,861,044,192
Transfers from other systems – employer	59,185	4,757
Transfers from other systems – member	2,372,577	1,862,629
Net change in Total Pension Liability	\$2,056,418,033	\$1,358,826,597
Total Pension Liability — beginning	45,210,001,314	43,851,174,717
Total Pension Liability — ending	\$47,266,419,347	\$45,210,001,314
Plan Fiduciary Net Position		
Contributions – employer (appropriations) ¹	\$1,428,843,223	\$1,383,423,123
Contributions – employer (paid by State on behalf of locals)	241,310,000	234,210,000
Employer contribution – delayed enrollments	176,632	210,772
Employer contribution – delayed appropriations	1,214,991	1,540,315
Employer contribution – retroactive	17,421,810	20,893,369
Employer contribution – additional	387,832	140,451
Contributions – member	419,717,533	401,450,392
Net investment income	3,194,258,463	2,838,926,023
Benefit payments, including transfers from other systems	-2,931,267,105	-2,859,176,806
Administrative expense	-18,079,053	-4,671,388
Other – Chapter 19 adjustment	0	64,063,502
Net change in Plan Fiduciary Net Position	\$2,353,984,326	\$2,081,009,753
Plan Fiduciary Net Position — beginning	32,847,534,868	30,766,525,115
Plan Fiduciary Net Position — ending	\$35,201,519,194	\$32,847,534,868
Net Pension Liability		
Net Pension Liability – ending	\$12,064,900,153	\$12,362,466,446
Plan Fiduciary Net Position as a percentage of the Total Pension Liability	74.47%	72.66%
Covered payroll	\$4,002,279,833	\$3,853,882,562
Plan Net Pension Liability as percentage of covered payroll	301.45%	320.78%

¹ Includes contributions made for Non-Contributory Insurance Premium and ERI Payments
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Section 2: GASB Information

Measurement date	Total	
	June 30, 2025	June 30, 2024
Total Pension Liability		
Service cost	\$983,670,553	\$955,203,602
Interest	3,564,657,076	3,457,650,860
Change of benefit terms	-10,355,434	0
Differences between expected and actual experience	467,222,408	397,439,679
Changes of assumptions	691,871,980	0
Benefit payments	-3,351,304,620	-3,274,116,495
Transfers from other systems – employer	90,084	-261,374
Transfers from other systems – member	3,058,290	2,332,394
Net change in Total Pension Liability	\$2,348,910,337	\$1,538,248,666
Total Pension Liability — beginning	51,614,080,087	50,075,831,421
Total Pension Liability — ending	\$53,962,990,424	\$51,614,080,087
Plan Fiduciary Net Position		
Contributions – employer (appropriations)	\$1,831,462,308	\$1,780,213,560
Contributions – employer (lottery)	12,996,000	14,100,000
Contributions – employer (paid by State on behalf of locals)	241,310,000	234,210,000
Employer contribution – delayed enrollments	252,945	233,806
Employer contribution – delayed appropriations	1,214,991	1,540,315
Employer contribution – retroactive	17,421,810	20,893,369
Employer contribution – additional	387,832	140,451
Contributions – member	474,688,593	454,488,465
Net investment income	3,383,910,001	2,995,982,977
Benefit payments, including transfers from other systems	-3,348,156,246	-3,272,045,475
Administrative expense	-21,028,438	-4,721,380
Other	0	64,063,502
Net change in Plan Fiduciary Net Position	\$2,594,459,796	\$2,289,099,590
Plan Fiduciary Net Position — beginning	34,856,333,876	32,567,234,286
Plan Fiduciary Net Position — ending	\$37,450,793,672	\$34,856,333,876
Net Pension Liability		
Net Pension Liability – ending	\$16,512,196,752	\$16,757,746,211
Plan Fiduciary Net Position as a percentage of the Total Pension Liability	69.40%	67.53%
Covered payroll	\$4,541,864,606	\$4,390,502,650
Plan Net Pension Liability as percentage of covered payroll	363.56%	381.68%

Section 2: GASB Information

Exhibit E: Schedule of employer contributions

Year Ended June 30	Actuarially Determined Contributions	Contributions in Relation to the Actuarially Determined Contributions	Contribution Deficiency / (Excess)	Covered Payroll	Contributions as a Percentage of Covered Payroll
2016	\$1,311,849,713	\$986,654,840	\$325,194,873	\$3,695,509,355	26.70%
2017	1,335,659,737	1,046,327,392	289,332,345	3,726,807,562	28.08%
2018	1,424,767,509	1,236,395,284	188,372,225	3,803,348,329	32.51%
2019	1,545,236,051	1,332,222,254	213,013,797	3,870,718,707	34.42%
2020	1,592,156,607	1,427,886,341	164,270,266	3,937,977,209	36.26%
2021	1,725,652,140	1,600,351,881	125,300,259	4,016,767,909	39.84%
2022	1,798,890,158	1,846,054,575	(47,164,417)	4,070,199,174	45.36%
2023	1,942,204,908	1,957,493,982	(15,289,074)	4,159,231,628	47.06%
2024	1,988,152,852	2,002,252,741	(14,099,889)	4,238,340,848	47.24%
2025	2,052,623,990	2,065,619,811	(12,995,821)	4,394,208,906	47.01%

See accompanying notes to this schedule on next page.

Section 2: GASB Information

Notes to Schedule – methods and assumptions used to establish the “actuarially determined contribution”:

- **Valuation date:** Actuarially determined contribution rates are calculated as of June 30, two years prior to the end of the fiscal year in which contributions are made
- **Actuarial cost method:** Projected Unit Credit Actuarial Cost Method
- **Amortization method:** Level dollar
- **Remaining amortization period:** The NJ statute governing the System (Chapter 78, P.L. 2011) prescribes the funding policy used to calculate the actuarially determined contribution. Specifically, the unfunded actuarial liability is amortized over a closed 30-year period as a level dollar amount beginning with the July 1, 2018 actuarial valuation. On July 1, 2028 when the amortization period reaches 20 years, annual increases or decreases in the unfunded actuarial accrued liability will increase or decrease the amortization period unless that period is in excess of 20 years. If so, the unfunded actuarial accrued liability is amortized over 20 years. As of July 1, 2025 there are 23 years remaining on the closed amortization schedule.
- **Asset valuation method:** Sum of actuarial value at beginning of year and increase in cost value during year excluding realized appreciation or losses plus 20 percent of market value at end of year in excess of that preliminary value.
- **Actuarial assumptions¹:**
 - **Investment rate of return:** 7.00%, including inflation, net of pension plan investment expense
 - **Inflation rate:** 2.75%
 - **Real across-the-board salary increase:** Vary by service
 - **Other assumptions:** Same as those used in the July 1, 2024 funding actuarial valuation.

¹ The assumption changes made as of June 30, 2025 will not be reflected for funding purposes until the July 1, 2025 valuation.
Police and Firemen's Retirement System of New Jersey - June 30, 2025 GASB Statements No. 67 and 68 Actuarial Valuation Report

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Exhibit F: Pension expense

Components of pension expense	State	
	Current	Prior
Measurement date	June 30, 2025	June 30, 2024
Service cost	\$116,945,975	\$116,651,482
Interest on the Total Pension Liability	441,880,612	429,441,170
Current-period benefit changes	0	0
Expensed portion of current-period difference between expected and actual experience in the Total Pension Liability	9,034,153	7,585,893
Expensed portion of current-period changes of assumptions	16,657,803	0
Member contributions	-54,971,060	-53,038,073
Projected earnings on pension plan investments	-138,757,468	-124,240,300
Expensed portion of current-period differences between actual and projected earnings on pension plan investments	-10,178,814	-6,563,330
Administrative expense	2,949,385	49,991
Other	0	0
Recognition of beginning of year deferred outflows of resources as pension expense	94,459,530	108,084,033
Recognition of beginning of year deferred inflows of resources as pension expense	-98,111,591	-142,917,281
Pension expense	\$379,908,525	\$335,053,585

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Components of pension expense	Local Employers	
	Current	Prior
Measurement date	June 30, 2025	June 30, 2024
Service cost	\$866,724,578	\$838,552,120
Interest on the Total Pension Liability	3,122,776,464	3,028,209,690
Current-period benefit changes	-10,355,434	0
Expensed portion of current-period difference between expected and actual experience in the Total Pension Liability	70,696,634	57,675,138
Expensed portion of current-period changes of assumptions	101,409,088	0
Member contributions	-419,717,533	-401,450,392
Projected earnings on pension plan investments	-2,255,135,994	-2,112,776,031
Expensed portion of current-period differences between actual and projected earnings on pension plan investments	-187,824,493	-145,230,000
Administrative expense	18,079,053	4,671,388
Other – Chapter 19 adjustment	0	-64,063,502
Recognition of beginning of year deferred outflows of resources as pension expense	1,030,006,551	1,231,776,239
Recognition of beginning of year deferred inflows of resources as pension expense	-1,530,203,378	-1,661,756,263
Pension expense	\$806,455,536	\$775,608,387

Section 2: GASB Information

Components of pension expense	Total	
	Current	Prior
Measurement date	June 30, 2025	June 30, 2024
Service cost	\$983,670,553	\$955,203,602
Interest on the Total Pension Liability	3,564,657,076	3,457,650,860
Current-period benefit changes	-10,355,434	0
Expensed portion of current-period difference between expected and actual experience in the Total Pension Liability	79,730,787	65,261,031
Expensed portion of current-period changes of assumptions	118,066,891	0
Member contributions	-474,688,593	-454,488,465
Projected earnings on pension plan investments	-2,393,893,462	-2,237,016,331
Expensed portion of current-period differences between actual and projected earnings on pension plan investments	-198,003,307	-151,793,330
Administrative expense	21,028,438	4,721,379
Other – Chapter 19 adjustment	0	-64,063,502
Recognition of beginning of year deferred outflows of resources as pension expense	1,123,499,420	1,338,786,205
Recognition of beginning of year deferred inflows of resources as pension expense	-1,627,348,308	-1,803,599,477
Pension expense	\$1,186,364,061	\$1,110,661,972

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Exhibit G: Deferred outflows and inflows of resources

Deferred Outflows and Inflows	State	
	Current	Prior
Measurement date	June 30, 2025	June 30, 2024
Deferred outflows of resources		
Changes of assumptions	\$82,182,006	\$2,272,165
Net difference between projected and actual earnings on pension plan investments	0	46,942,711
Difference between expected and actual experience in the Total Pension Liability	148,331,539	137,074,384
Total deferred outflows of resources	\$230,513,545	\$186,289,260
Deferred inflows of resources		
Changes of assumptions	\$17,056,006	\$41,544,953
Net difference between projected and actual earnings on pension plan investments	564,669	0
Difference between expected and actual experience in the Total Pension Liability	21,860,843	41,511,987
Total deferred inflows of resources	\$39,481,518	\$83,056,940
Deferred outflows of resources and deferred inflows of resources related to pension will be recognized as follows:		
Reporting date for employers under GASB 68 year ended June 30:		
2025	N/A	-\$3,652,061
2026	\$76,580,451	61,067,309
2027	30,455,875	14,942,733
2028	35,095,957	19,582,815
2029	26,121,938	10,608,796
2030	22,777,806	682,728
Thereafter	0	0

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Deferred Outflows and Inflows	Local Employers	
	Current	Prior
Measurement date	June 30, 2025	June 30, 2024
Deferred outflows of resources		
Changes of assumptions	\$501,649,800	\$16,324,397
Net difference between projected and actual earnings on pension plan investments	0	0
Difference between expected and actual experience in the Total Pension Liability	821,644,428	650,567,756
Total deferred outflows of resources	\$1,323,294,228	\$666,892,153
Deferred inflows of resources		
Changes of assumptions	\$126,786,586	\$303,275,226
Net difference between projected and actual earnings on pension plan investments	491,297,200	80,824,393
Difference between expected and actual experience in the Total Pension Liability	190,610,259	353,525,010
Total deferred inflows of resources	\$808,694,045	\$737,624,629
Deferred outflows of resources and deferred inflows of resources related to pension will be recognized as follows:		
Reporting date for employer under GASB 68 year ended June 30:		
2025	N/A	-\$500,196,827
2026	\$560,625,268	576,344,040
2027	-160,374,205	-144,655,433
2028	-82,893,005	-67,174,233
2029	44,040,440	59,759,212
2030	153,201,685	5,190,765
Thereafter	0	0

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Deferred Outflows and Inflows	Total	
	Current	Prior
Measurement date	June 30, 2025	June 30, 2024
Deferred outflows of resources		
Changes of assumptions	\$583,831,806	\$18,596,562
Net difference between projected and actual earnings on pension plan investments	0	0
Difference between expected and actual experience in the Total Pension Liability	969,975,967	786,675,479
Total deferred outflows of resources	\$1,553,807,773	\$805,272,041
Deferred inflows of resources		
Changes of assumptions	\$143,842,592	\$344,820,179
Net difference between projected and actual earnings on pension plan investments	491,861,869	33,881,682
Difference between expected and actual experience in the Total Pension Liability	212,471,102	394,070,336
Total deferred inflows of resources	\$848,175,563	\$772,772,197
Deferred outflows of resources and deferred inflows of resources related to pension will be recognized as follows:		
Reporting date for employer under GASB 68 year ended June 30:		
2025	N/A	-\$503,848,888
2026	\$637,205,719	637,411,349
2027	-129,918,330	-129,712,700
2028	-47,797,048	-47,591,418
2029	70,162,378	70,368,008
2030	175,979,491	5,873,493
Thereafter	0	0

Section 2: GASB Information

Exhibit H: Schedule of recognition of change in Net Pension Liability

Increase (Decrease) in Pension Expense Arising from the Recognition of the Effects of Differences between Expected and Actual Experience on Total Pension Liability

State

Reporting Date for Employer under GASB 68 Year Ended June 30	Differences between Expected and Actual Experience	Recognition Period (Years)	2025	2026	2027	2028	2029	2030
2020	-\$6,336,996	5.90	-\$966,661	\$0	\$0	\$0	\$0	\$0
2021	-115,283,258	6.17	-18,684,483	-18,684,483	-3,176,360	0	0	0
2022	38,376,142	6.22	6,169,798	6,169,798	6,169,798	1,357,354	0	0
2023	116,381,713	6.16	18,893,135	18,893,135	18,893,135	18,893,135	3,022,903	0
2024	46,198,086	6.09	7,585,893	7,585,893	7,585,893	7,585,893	7,585,893	682,728
2025	52,940,134	5.86	9,034,153	9,034,153	9,034,153	9,034,153	9,034,153	7,769,369
Total			\$22,031,835	\$22,998,496	\$38,506,619	\$36,870,535	\$19,642,949	\$8,452,097

Local Employers

Reporting Date for Employer under GASB 68 Year Ended June 30	Differences between Expected and Actual Experience	Recognition Period (Years)	2025	2026	2027	2028	2029	2030
2020	\$73,846,139	5.90	\$11,264,664	\$0	\$0	\$0	\$0	\$0
2021	-1,005,184,014	6.17	-162,914,751	-162,914,751	-27,695,508	0	0	0
2022	563,181,939	6.22	90,543,720	90,543,720	90,543,720	19,919,619	0	0
2023	80,236,750	6.16	13,025,446	13,025,446	13,025,446	13,025,446	2,084,074	0
2024	351,241,593	6.09	57,675,138	57,675,138	57,675,138	57,675,138	57,675,138	5,190,765
2025	414,282,274	5.86	70,696,634	70,696,634	70,696,634	70,696,634	70,696,634	60,799,104
Total			\$80,290,851	\$69,026,187	\$204,245,430	\$161,316,837	\$130,455,846	\$65,989,869

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Total

Reporting Date for Employer under GASB 68 Year Ended June 30	Differences between Expected and Actual Experience	Recognition Period (Years)	2025	2026	2027	2028	2029	2030
2020	\$67,509,143	5.90	\$10,298,003	\$0	\$0	\$0	\$0	\$0
2021	-1,120,467,272	6.17	-181,599,234	-181,599,234	-30,871,868	0	0	0
2022	601,558,081	6.22	96,713,518	96,713,518	96,713,518	21,276,973	0	0
2023	196,618,463	6.16	31,918,581	31,918,581	31,918,581	31,918,581	5,106,977	0
2024	397,439,679	6.09	65,261,031	65,261,031	65,261,031	65,261,031	65,261,031	5,873,493
2025	467,222,408	5.86	79,730,787	79,730,787	79,730,787	79,730,787	79,730,787	68,568,473
Total			\$102,322,686	\$92,024,683	\$242,752,049	\$198,187,372	\$150,098,795	\$74,441,966

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Increase (Decrease) in Pension Expense Arising from the Recognition of the Effects of Assumption Changes

State

Reporting Date for Employer under GASB 68 Year Ended June 30	Assumption Changes	Recognition Period (Years)	2025	2026	2027	2028	2029	2030
2020	-\$110,173,087	5.90	-\$16,806,062	\$0	\$0	\$0	\$0	\$0
2021	6,460,485	6.17	1,047,080	1,047,080	178,005	0	0	0
2022	-47,787,546	6.22	-7,682,885	-7,682,885	-7,682,885	-1,690,236	0	0
2023	0	—	0	0	0	0	0	0
2024	0	—	0	0	0	0	0	0
2025	97,614,724	5.86	16,657,803	16,657,803	16,657,803	16,657,803	16,657,803	14,325,709
Total			-\$6,784,064	\$10,021,998	\$9,152,923	\$14,967,567	\$16,657,803	\$14,325,709

Local Employers

Reporting Date for Employer under GASB 68 Year Ended June 30	Assumption Changes	Recognition Period (Years)	2025	2026	2027	2028	2029	2030
2020	-\$782,586,271	5.90	-\$119,377,566	\$0	\$0	\$0	\$0	\$0
2021	46,415,457	6.17	7,522,765	7,522,765	1,278,867	0	0	0
2022	-355,230,882	6.22	-57,111,074	-57,111,074	-57,111,074	-12,564,438	0	0
2023	0	—	0	0	0	0	0	0
2024	0	—	0	0	0	0	0	0
2025	594,257,256	5.86	101,409,088	101,409,088	101,409,088	101,409,088	101,409,088	87,211,816
Total			-\$67,556,787	\$51,820,779	\$45,576,881	\$88,844,650	\$101,409,088	\$87,211,816

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Total

Reporting Date for Employer under GASB 68 Year Ended June 30	Assumption Changes	Recognition Period (Years)	2025	2026	2027	2028	2029	2030
2020	-\$892,759,358	5.90	-\$136,183,628	\$0	\$0	\$0	\$0	\$0
2021	52,875,942	6.17	8,569,845	8,569,845	1,456,872	0	0	0
2022	-403,018,428	6.22	-64,793,959	-64,793,959	-64,793,959	-14,254,674	0	0
2023	0	—	0	0	0	0	0	0
2024	0	—	0	0	0	0	0	0
2025	691,871,980	5.86	118,066,891	118,066,891	118,066,891	118,066,891	118,066,891	101,537,525
Total			-\$74,340,851	\$61,842,777	\$54,729,804	\$103,812,217	\$118,066,891	\$101,537,525

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Increase (Decrease) in Pension Expense Arising from the Recognition of the Effects of Differences between Projected and Actual Earnings on Pension Plan Investments

State

Reporting Date for Employer under GASB 68 Year Ended June 30	Differences between Projected and Actual Earnings	Recognition Period (Years)	2025	2026	2027	2028	2029	2030
2020	\$106,051,988	5.00	\$0	\$0	\$0	\$0	\$0	\$0
2021	-234,733,236	5.00	-46,946,647	0	0	0	0	0
2022	303,818,121	5.00	60,763,624	60,763,624	0	0	0	0
2023	-2,307,611	5.00	-461,522	-461,522	-461,522	0	0	0
2024	-32,816,654	5.00	-6,563,331	-6,563,331	-6,563,331	-6,563,331	0	0
2025	-50,894,070	5.00	-10,178,814	-10,178,814	-10,178,814	-10,178,814	-10,178,814	0
Total			-\$3,386,690	\$43,559,957	-\$17,203,667	-\$16,742,145	-\$10,178,814	\$0

Local Employers

Reporting Date for Employer under GASB 68 Year Ended June 30	Differences between Projected and Actual Earnings	Recognition Period (Years)	2025	2026	2027	2028	2029	2030
2020	\$1,290,965,979	5.00	\$0	\$0	\$0	\$0	\$0	\$0
2021	-4,842,139,825	5.00	-968,427,965	0	0	0	0	0
2022	4,249,874,088	5.00	849,974,818	849,974,818	0	0	0	0
2023	-385,710,118	5.00	-77,142,024	-77,142,024	-77,142,024	0	0	0
2024	-726,149,992	5.00	-145,229,998	-145,229,998	-145,229,998	-145,229,998	0	0
2025	-939,122,469	5.00	-187,824,493	-187,824,494	-187,824,494	-187,824,494	-187,824,494	0
Total			-\$528,649,662	\$439,778,302	-\$410,196,516	-\$333,054,492	-\$187,824,494	\$0

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Total									
Reporting Date for Employer under GASB 68 Year Ended June 30	Differences between Projected and Actual Earnings	Recognition Period (Years)	2025	2026	2027	2028	2029	2030	2030
2020	\$1,397,017,967	5.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2021	-5,076,873,062	5.00	-1,015,374,612	0	0	0	0	0	0
2022	4,553,692,209	5.00	910,738,442	910,738,442	0	0	0	0	0
2023	-388,017,729	5.00	-77,603,546	-77,603,546	-77,603,546	0	0	0	0
2024	-758,966,646	5.00	-151,793,329	-151,793,329	-151,793,329	-151,793,329	0	0	0
2025	-990,016,539	5.00	-198,003,307	-198,003,308	-198,003,308	-198,003,308	-198,003,308	-198,003,308	0
Total			-\$532,036,352	\$483,338,259	-\$427,400,183	-\$349,796,637	-\$198,003,308		\$0

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Total Increase (Decrease) in Pension Expense

State

Reporting Date for Employer under GASB 68 Year Ended June 30	Total Increase (Decrease) in Pension Expense	State					
		2025	2026	2027	2028	2029	2030
2020	-\$10,458,095	-\$17,772,723	\$0	\$0	\$0	\$0	\$0
2021	-343,556,009	-64,584,050	-17,637,403	-2,998,355	0	0	0
2022	294,406,717	59,250,537	59,250,537	-1,513,087	-332,882	0	0
2023	114,074,102	18,431,613	18,431,613	18,431,613	18,893,135	3,022,903	0
2024	13,381,432	1,022,562	1,022,562	1,022,562	1,022,562	7,585,893	682,728
2025	99,660,788	15,513,142	15,513,142	15,513,142	15,513,142	15,513,142	22,095,078
Total		\$11,861,081	\$76,580,451	\$30,455,875	\$35,095,957	\$26,121,938	\$22,777,806

Local Employers

Reporting Date for Employer under GASB 68 Year Ended June 30	Total Increase (Decrease) in Pension Expense	Local Employers					
		2025	2026	2027	2028	2029	2030
2020	582,225,847	-108,112,902	0	0	0	0	0
2021	-5,800,908,382	-1,123,819,951	-155,391,986	-26,416,641	0	0	0
2022	4,457,825,145	883,407,464	883,407,464	33,432,646	7,355,181	0	0
2023	-305,473,368	-64,116,578	-64,116,578	-64,116,578	13,025,446	2,084,074	0
2024	-374,908,399	-87,554,860	-87,554,860	-87,554,860	-87,554,860	57,675,138	5,190,765
2025	69,417,061	-15,718,771	-15,718,772	-15,718,772	-15,718,772	-15,718,772	148,010,920
Total		-\$515,915,598	\$560,625,268	-\$160,374,205	-\$82,893,005	\$44,040,440	\$153,201,685

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Reporting Date for Employer under GASB 68 Year Ended June 30	Total Increase (Decrease) in Pension Expense	Total					
		2025	2026	2027	2028	2029	2030
2020	\$571,767,752	-\$125,885,625	\$0	\$0	\$0	\$0	\$0
2021	-6,144,464,392	-1,188,404,001	-173,029,389	-29,414,996	0	0	0
2022	4,752,231,862	942,658,001	942,658,001	31,919,559	7,022,299	0	0
2023	-191,399,266	-45,684,965	-45,684,965	-45,684,965	31,918,581	5,106,977	0
2024	-361,526,967	-86,532,298	-86,532,298	-86,532,298	-86,532,298	65,261,031	5,873,493
2025	169,077,849	-205,629	-205,630	-205,630	-205,630	-205,630	170,105,998
Total		-\$504,054,517	\$637,205,719	-\$129,918,330	-\$47,797,048	\$70,162,378	\$175,979,491

Section 2: GASB Information

Exhibit I: Schedule of reconciliation of Net Pension Liability

Item	State	
	Current	Prior
Measurement date	June 30, 2025	June 30, 2024
Beginning Net Pension Liability	\$4,395,279,765	\$4,423,947,533
Pension expense	379,908,525	335,053,585
State plan employer contributions	-415,691,398	-410,913,471
New net deferred inflows/outflows	84,147,646	12,358,869
Recognition of prior deferred inflows/outflows	3,652,061	34,833,248
Ending Net Pension Liability	\$4,447,296,599	\$4,395,279,765

Item	Local Employers	
	Current	Prior
Measurement date	June 30, 2025	June 30, 2024
Beginning Net Pension Liability	\$12,362,466,446	\$13,084,649,602
Pension expense	806,455,536	775,608,387
Local plan employer contributions	-1,689,354,488	-1,640,418,031
New net deferred inflows/outflows	85,135,832	-287,353,537
Recognition of prior deferred inflows/outflows	500,196,827	429,980,024
Ending Net Pension Liability	\$12,064,900,153	\$12,362,466,446

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Item	Total	
	Current	Prior
Measurement date	June 30, 2025	June 30, 2024
Beginning Net Pension Liability	\$16,757,746,211	\$17,508,597,135
Pension expense	1,186,364,061	1,110,661,972
Total plan employer contributions	-2,105,045,886	-2,051,331,502
New net deferred inflows/outflows	169,283,478	-274,994,668
Recognition of prior deferred inflows/outflows	503,848,888	464,813,272
Ending Net Pension Liability	\$16,512,196,752	\$16,757,746,211

Appendices

Appendix A: Statement of actuarial assumptions, methods and models

Rationale for assumptions

The information and analysis used in selecting each assumption that has a significant effect on this actuarial valuation is shown in the Actuarial Experience Study for the period July 1, 2021 through June 30, 2024. Current data is reviewed in conjunction with each annual funding valuation.

Net investment return

7.00%.

The assumed rate of return is set by the State Treasurer in consultation with the Chief Financial Officer and the Board of Trustees.

Salary increases

Years since Hire	Rate (%)	Years since Hire	Rate (%)
0	17.50	9	8.00
1	15.25	10	7.00
2 – 3	13.25	11 – 12	6.00
4	13.00	13 – 16	5.50
5	12.00	17 – 19	5.00
6	11.00	20 – 24	4.75
7	10.00	25+	4.00
8	9.00		

Salary increases include an assumed inflation rate of 2.50% and assumed non-inflationary increases of 0.50%.

Appendices

Payroll Limits:

401(a)(17) pay limit is assumed to increase 2.50% per year and social security wage base is assumed to increase 3.00% per year

Cost-of-living adjustments

No future COLAs are assumed. Previously granted COLAs are included in the member data.

Mortality rates

Employee: Pub-2016 Safety Employee mortality tables, projected generationally from 2016 with Scale MP-2021. 5% of deaths are assumed to be accidental.

Healthy Annuitant: 100% Pub-2016 Safety Retiree Below Median amount-weighted mortality tables for males and 98% Pub-2016 Safety Retiree Below Median amount-weighted mortality tables for females, projected generationally from 2016 with Scale MP-2021

Disabled: 134% of Pub-2016 Safety Disabled Retiree amount-weighted mortality table for males and 100% of Pub-2016 Safety Disabled Retiree amount-weighted mortality table for females, projected generationally from 2016 with Scale MP-2021

Contingent Annuitant: 100% Pub-2016 Contingent Survivor Below Median amount-weighted mortality tables for males and 102% Pub-2016 Contingent Survivor Below Median amount-weighted mortality tables for females, projected generationally from 2016 with Scale MP-2021

Appendices

Termination rates(%) before retirement

No members are assumed to receive the involuntary disability retirement benefit.

Years since Hire	Withdrawal Rate ¹
0	1.50
1 - 5	2.50
6 - 7	1.60
8	1.30
9	1.00
10 - 12	0.80
13	0.65
14 - 24	0.40
25+	0.00

Age	Ordinary Disability Rate ²	Accidental Disability Rate
20	0.01	0.01
30	0.07	0.07
40	0.29	0.35
50	0.32	0.35
60	0.25	0.20

¹ Withdrawal rates do not apply at or beyond early retirement age. All future terminating members assumed to elect a refund of contributions.

² No ordinary disability is assumed prior to ordinary disability eligibility at four years of service

Appendices

Retirement rates

For those with less than 25 years of service:

Age	Retirement Probability
40-43	1.00%
44-46	2.50
47	3.75
48	4.00
49-50	6.00
51-56	7.00
57-58	8.00
59-64	13.00
65 and older	100.00

For those with 25 years of service:

Age	Retirement Probability
54 and younger	50.00%
55-58	55.00
59-60	65.00
61-62	70.00
63-64	80.00
65 and older	100.00

For those with 26 or more years of service:

Age	Retirement Probability
62 and younger	24.00%
63	30.00
64	60.00
65 and older	100.00

Retirement age for inactive vested members

55

Unknown data for participants

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

Percent married

90%

Appendices

Age of spouse

Spouses of male participants are assumed to be female and three years younger and spouses of female participants are assumed to be male and three years older.

Actuarial cost method

Entry Age Actuarial Cost Method. Entry age is the age at date of initiation or, if date is unknown, current age minus years of service. Normal Cost and Actuarial Accrued Liability are calculated on an individual basis and are allocated by salary, with Normal Cost determined using the plan of benefit applicable to each participant.

Expected Remaining Service Lives:

The average of the expected service lives of all employees is determined by:

- Calculating each active employee's expected remaining service life as the present value of \$1 per year of future service at zero percent interest.
- Setting the remaining service life to zero for each nonactive or retired member.
- Dividing the sum of the above amounts by the total number of active employee, nonactive, and retired members.

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. 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 the total pension liability is based on a model developed by our Actuarial Technology and Systems unit. The model allows the client team, under the supervision of the responsible actuary, control over the entry of future expected contribution income, benefit payments and administrative expenses. The projection of fiduciary net position and the discounting of benefits is part of the model.

Appendices

Appendix B: Projection of Plan Fiduciary Net Position (\$in thousands) for use in the calculation of discount rate as of June 30, 2025

Year Beginning June 30	Projected Beginning Plan Fiduciary Net Position (a)	Projected Employee Contributions (b)	Projected State Contributions (c)	Projected Local Employer Contributions (d)	Projected Lottery Contributions (e)	Projected Benefit Payments (f)	Projected Administrative Expenses (g)	Projected Investment Earnings (h)	Projected Beginning Plan Fiduciary Net Position (i) = (a) + (b) + (c) + (d) + (e) - (f) - (g) + (h)
2025	\$37,450,794	\$425,354	\$647,279	\$1,603,866	\$12,260	\$3,422,519	\$14,087	\$2,460,954	\$39,163,900
2026	39,163,900	428,197	689,485	1,577,906	12,383	3,559,208	14,439	2,565,712	40,863,936
2027	40,863,936	430,644	689,437	1,564,114	12,491	3,673,567	14,800	2,682,150	42,554,407
2028	42,554,407	431,519	690,714	1,552,754	12,614	3,787,948	15,170	2,797,259	44,236,148
2029	44,236,148	432,385	691,944	1,518,132	12,853	3,898,025	15,549	2,911,783	45,889,671
2030	45,889,671	430,307	679,960	1,486,018	12,982	4,009,718	15,938	3,025,041	47,498,323
2031	47,498,323	426,454	667,818	1,451,874	13,112	4,129,209	16,336	3,134,688	49,046,723
2032	49,046,723	421,625	655,254	1,419,181	13,243	4,247,975	16,745	3,240,203	50,531,508
2033	50,531,508	415,765	641,722	1,387,990	13,376	4,363,529	17,163	3,341,240	51,950,909
2034	51,950,909	411,322	628,050	1,361,237	13,510	4,467,915	17,593	3,438,057	53,317,578
2035	53,317,578	408,746	614,170	1,340,805	13,645	4,551,755	18,032	3,531,729	54,656,886
2036	54,656,886	404,005	602,558	1,326,695	13,781	4,625,868	18,483	3,623,477	55,983,051
2037	55,983,051	395,204	591,855	1,312,906	13,919	4,708,184	18,945	3,713,568	57,283,373
2038	57,283,373	381,914	579,637	1,294,572	14,059	4,806,588	19,419	3,801,073	58,528,621
2039	58,528,621	365,830	566,350	1,270,405	14,200	4,918,251	19,904	3,884,371	59,691,620
2040	59,691,620	345,832	552,478	1,242,964	14,342	5,040,466	20,402	3,961,695	60,748,064
2041	60,748,064	322,800	537,418	1,209,966	14,485	5,173,682	20,912	4,031,210	61,669,348
2042	61,669,348	296,369	521,484	1,173,248	14,630	5,315,819	21,435	4,091,101	62,428,927
2043	62,428,927	268,864	503,702	1,132,220	14,777	5,461,237	21,971	4,139,667	63,004,948

Appendices

Year Beginning June 30	Projected Beginning Plan Fiduciary Net Position (a)	Projected Employee Contributions (b)	Projected State Contributions (c)	Projected Local Employer Contributions (d)	Projected Lottery Contributions (e)	Projected Benefit Payments (f)	Projected Administrative Expenses (g)	Projected Investment Earnings (h)	Projected Beginning Plan Fiduciary Net Position (i) = (a) + (b) + (c) + (d) + (e) - (f) - (g) + (h)
2044	63,004,948	240,264	484,767	1,089,063	14,925	5,602,614	22,520	4,175,682	63,384,516
2045	63,384,516	214,901	465,924	1,045,168	15,074	5,728,124	23,083	4,198,728	63,573,104
2046	63,573,104	186,455	447,664	1,003,972	15,225	5,843,558	23,660	4,208,703	63,567,905
2047	63,567,905	155,717	430,462	955,956	-	5,964,960	24,251	4,204,172	63,325,001
2048	63,325,001	121,175	414,585	901,515	-	6,093,164	24,858	4,183,556	62,827,809
2049	62,827,809	84,846	398,082	839,589	-	6,226,745	25,479	4,145,209	62,043,310
2050	62,043,310	62,770	379,873	780,409	-	6,315,392	26,116	4,089,169	61,014,024
2051	61,014,024	48,135	360,899	742,902	-	6,332,237	26,769	4,018,603	59,825,557
2052	59,825,557	36,683	346,563	715,092	-	6,311,340	27,438	3,937,311	58,522,427
2053	58,522,427	27,721	335,540	691,746	-	6,267,497	28,124	3,848,459	57,130,272
2054	57,130,272	20,749	325,765	671,823	-	6,204,909	28,827	3,753,899	55,668,771
2055	55,668,771	15,377	316,987	654,628	-	6,126,239	29,548	3,654,950	54,154,925
2056	54,154,925	11,257	309,005	632,474	-	6,034,379	30,287	3,552,719	52,595,713
2057	52,595,713	8,111	300,648	620,806	-	5,931,826	31,044	3,447,970	51,010,380
2058	51,010,380	5,740	294,092	609,903	-	5,819,996	31,820	3,341,242	49,409,541
2059	49,409,541	3,978	287,914	599,644	-	5,700,769	32,616	3,233,676	47,801,368
2060	47,801,368	2,704	282,054	589,912	-	5,575,338	33,431	3,125,806	46,193,075
2061	46,193,075	1,792	276,458	580,573	-	5,444,483	34,267	3,018,108	44,591,257
2062	44,591,257	1,138	271,088	571,615	-	5,309,662	35,123	2,910,996	43,001,308
2063	43,001,308	682	265,907	562,989	-	5,171,427	36,001	2,804,826	41,428,283
2064	41,428,283	379	260,906	554,677	-	5,030,361	36,902	2,699,931	39,876,913
2065	39,876,913	192	256,066	546,643	-	4,886,971	37,824	2,596,624	38,351,642

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Year Beginning June 30	Projected Beginning Plan Fiduciary Net Position (a)	Projected Employee Contributions (b)	Projected State Contributions (c)	Projected Local Employer Contributions (d)	Projected Lottery Contributions (e)	Projected Benefit Payments (f)	Projected Administrative Expenses (g)	Projected Investment Earnings (h)	Projected Beginning Plan Fiduciary Net Position (i) = (a) + (b) + (c) + (d) + (e) - (f) - (g) + (h)
2066	38,351,642	87	251,377	538,858	-	4,741,677	38,770	2,495,202	36,856,720
2067	36,856,720	34	246,833	531,304	-	4,594,784	39,739	2,395,953	35,396,321
2068	35,396,321	10	242,417	523,976	-	4,446,599	40,732	2,299,156	33,974,549
2069	33,974,549	2	238,124	148,458	-	4,297,184	41,751	2,205,098	32,227,296
2070	32,227,296	-	226,435	149,037	-	4,146,585	42,794	2,107,432	30,520,821
2071	30,520,821	-	164,239	149,689	-	3,994,753	43,864	1,991,593	28,787,724
2072	28,787,724	-	161,664	150,399	-	3,841,604	44,961	1,875,496	27,088,718
2073	27,088,718	-	159,171	151,167	-	3,687,029	46,085	1,761,834	25,427,775
2074	25,427,775	-	156,758	151,994	-	3,530,934	47,237	1,650,887	23,809,244
2075	23,809,244	-	154,422	152,881	-	3,373,256	48,418	1,542,962	22,237,836
2076	22,237,836	-	152,164	153,829	-	3,213,983	49,628	1,438,390	20,718,608
2077	20,718,608	-	149,981	154,839	-	3,053,172	50,869	1,337,522	19,256,908
2078	19,256,908	-	147,874	155,910	-	2,890,963	52,141	1,240,728	17,858,316
2079	17,858,316	-	145,840	157,046	-	2,727,587	53,444	1,148,389	16,528,559
2080	16,528,559	-	143,880	158,245	-	2,563,378	54,781	1,060,895	15,273,420
2081	15,273,420	-	141,991	159,510	-	2,398,780	56,150	978,636	14,098,628
2082	14,098,628	-	140,174	160,842	-	2,234,345	57,554	901,993	13,009,739
2083	13,009,739	-	138,428	162,242	-	2,070,726	58,993	831,331	12,012,022
2084	12,012,022	-	41,116	163,712	-	1,908,674	60,467	764,483	11,012,190
2085	11,012,190	-	40,223	165,252	-	1,749,019	61,979	699,929	10,106,597
2086	10,106,597	-	39,355	166,864	-	1,592,655	63,529	641,853	9,298,486
2087	9,298,486	-	38,510	168,551	-	1,440,511	65,117	590,448	8,590,367

Appendices

Year Beginning June 30	Projected Beginning Plan Fiduciary Net Position (a)	Projected Employee Contributions (b)	Projected State Contributions (c)	Projected Local Employer Contributions (d)	Projected Lottery Contributions (e)	Projected Benefit Payments (f)	Projected Administrative Expenses (g)	Projected Investment Earnings (h)	Projected Beginning Plan Fiduciary Net Position (i) = (a) + (b) + (c) + (d) + (e) - (f) - (g) + (h)
2088	8,590,367	-	37,688	170,313	-	1,293,526	66,745	545,857	7,983,954
2089	7,983,954	-	36,889	172,152	-	1,152,621	68,413	508,168	7,480,128
2090	7,480,128	-	36,111	174,071	-	1,018,661	70,124	477,411	7,078,937
2091	7,078,937	-	35,355	176,071	-	892,428	71,877	453,564	6,779,622
2092	6,779,622	-	34,621	178,154	-	774,597	73,674	436,549	6,580,675
2093	6,580,675	-	33,906	180,322	-	665,704	75,516	426,242	6,479,925
2094	6,479,925	-	33,212	182,578	-	566,144	77,403	422,476	6,474,644
2095	6,474,644	-	32,538	184,924	-	476,147	79,339	425,052	6,561,671
2096	6,561,671	-	31,883	187,361	-	395,768	71,422	434,094	6,747,819
2097	6,747,819	-	31,247	188,912	-	324,894	59,365	449,882	7,033,601
2098	7,033,601	-	30,610	189,505	-	263,241	48,734	472,319	7,414,058
2099	7,414,058	-	29,969	189,279	-	210,367	39,486	501,077	7,884,530
2100	7,884,530	-	29,328	188,364	-	165,697	31,555	535,846	8,440,815
2101	8,440,815	-	28,688	186,883	-	128,544	24,855	576,352	9,079,340
2102	9,079,340	-	28,052	184,944	-	98,143	19,282	622,369	9,797,280
2103	9,797,280	-	27,421	182,644	-	73,689	14,721	673,725	10,592,660
2104	10,592,660	-	26,797	180,070	-	54,368	11,053	730,311	11,464,417
2105	11,464,417	-	26,182	177,294	-	39,385	8,155	792,079	12,412,431
2106	12,412,431	-	25,576	174,376	-	27,990	5,908	859,047	13,437,533
2107	13,437,533	-	24,981	171,366	-	19,500	4,198	931,299	14,541,481
2108	14,541,481	-	24,397	168,305	-	13,308	2,925	1,008,979	15,726,930
2109	15,726,930	-	23,825	165,222	-	8,892	1,996	1,092,293	16,997,382

Appendices

Year Beginning June 30	Projected Beginning Plan Fiduciary Net Position (a)	Projected Employee Contributions (b)	Projected State Contributions (c)	Projected Local Employer Contributions (d)	Projected Lottery Contributions (e)	Projected Benefit Payments (f)	Projected Administrative Expenses (g)	Projected Investment Earnings (h)	Projected Beginning Plan Fiduciary Net Position (i) = (a) + (b) + (c) + (d) + (e) - (f) - (g) + (h)
2110	16,997,382	-	23,265	162,142	-	5,814	1,334	1,181,503	18,357,143
2111	18,357,143	-	22,716	159,081	-	3,720	872	1,276,327	19,810,675
2112	19,810,675	-	22,181	156,053	-	2,330	558	1,386,646	21,372,667
2113	21,372,667	-	21,657	153,065	-	1,429	349	1,496,024	23,041,635
2114	23,041,635	-	21,145	150,124	-	860	214	1,612,877	24,824,706
2115	24,824,706	-	20,646	147,231	-	510	129	1,737,707	26,729,651
2116	26,729,651	-	20,158	144,390	-	298	76	1,871,062	28,764,887
2117	28,764,887	-	19,681	141,601	-	174	45	2,013,534	30,939,485
2118	30,939,485	-	19,216	138,864	-	101	26	2,165,760	33,263,198
2119	33,263,198	-	18,762	136,179	-	59	15	2,328,421	35,746,485
2120	35,746,485	-	18,319	133,544	-	35	9	2,502,252	38,400,556
2121	38,400,556	-	17,886	130,961	-	21	5	2,688,038	41,237,414
2122	41,237,414	-	17,463	128,426	-	13	3	2,886,618	44,269,907
2123	44,269,907	-	17,051	125,941	-	8	2	3,098,893	47,511,782
2124	47,511,782	-	16,648	123,503	-	5	1	3,325,825	50,977,751
2125	50,977,751	-	16,255	121,112	-	3	1	3,568,442	54,683,557
2126	54,683,557	-	15,871	118,767	-	2	-	3,827,849	58,646,042
2127	58,646,042	-	15,497	116,467	-	1	-	4,105,223	62,883,227
2128	62,883,227	-	15,131	114,211	-	1	-	4,401,826	67,414,395
2129	67,414,395	-	14,774	111,999	-	-	-	4,719,008	72,260,175
2130	72,260,175	-	14,425	109,830	-	-	-	5,058,212	77,442,642

Appendices

Notes

Amounts may not total exactly due to rounding.

Column (a): None of the projected beginning Plan Fiduciary Net Position amounts shown have been adjusted for the time value of money.

Column (b-e): Projected State and Local contributions include normal cost rates applied to closed group projected payroll (based on covered active members as of June 30, 2024), plus contributions to the unfunded actuarial accrued liability. It is assumed that 1.2% of the proceeds from the Lottery Enterprise are contributed for a period of 30 years from the first contribution. 100% of the actuarially determined State contribution is assumed to be made on a quarterly basis for each fiscal year based on the actual payment made during the June 30, 2026 fiscal year. 100% of the actuarially determined contribution is assumed to be paid by Local Employees on April 1, for the fiscal year 21 months after the actuarial valuation for which that contribution is determined.

Column (f): Projected benefit payments have been determined in accordance with paragraph 39 of GASB Statement No. 67 and based on the Actuarial Valuation and Review as of July 1, 2024. The demographic assumptions used are consistent with those approved by the Board of Trustees on June 27, 2025 and are based on the experience study for the period July 1, 2021 – June 30, 2024.

Column (g): Projected administrative expenses are calculated assuming annual 2.50% increases from the actual amount for the year ended June 30, 2024, limited to 15% of the prior year's projected benefit payments. Administrative expenses are assumed to occur halfway through the year, on average.

Column (h): Projected investment earnings are based on the assumed investment rate of return of 7.00% per annum and reflect the assumed timing of benefit payments, which is halfway through the year, on average.

As illustrated in this exhibit, the Plan Fiduciary Net Position was projected to be available to make all projected future benefit payments for current Plan members. In other words, there is no projected "cross-over date" when projected benefits are not covered by projected assets. Therefore, the long-term expected rate of return on Plan investments of 7.00% per annum was applied to all periods of projected benefit payments to determine the Total Pension Liability as of June 30, 2025 shown earlier in this report, pursuant to paragraph 44 of GASB Statement No. 67.

Appendices

Appendix C: Development of blended discount rate (\$in thousands) as of June 30, 2025

Year Beginning June 30:	Projected Beginning Plan Fiduciary Net Position	Funded Benefit Payments	Unfunded Benefit Payments	Discounted Funded Benefit Payments	Discounted Unfunded Benefit Payments	Discounted at Blended Rate
2025	\$37,450,794	\$3,422,519	-	\$3,308,674	-	\$3,308,674
2026	39,163,900	3,559,208	-	3,215,716	-	3,215,716
2027	40,863,936	3,673,567	-	3,101,905	-	3,101,905
2028	42,554,407	3,787,948	-	2,989,240	-	2,989,240
2029	44,236,148	3,898,025	-	2,874,866	-	2,874,866
2030	45,889,671	4,009,718	-	2,763,777	-	2,763,777
2031	47,498,323	4,129,209	-	2,659,943	-	2,659,943
2032	49,046,723	4,247,975	-	2,557,429	-	2,557,429
2033	50,531,508	4,363,529	-	2,455,137	-	2,455,137
2034	51,950,909	4,467,915	-	2,349,411	-	2,349,411
2035	53,317,578	4,551,755	-	2,236,914	-	2,236,914
2036	54,656,886	4,625,868	-	2,124,613	-	2,124,613
2037	55,983,051	4,708,184	-	2,020,953	-	2,020,953
2038	57,283,373	4,806,588	-	1,928,217	-	1,928,217
2039	58,528,621	4,918,251	-	1,843,936	-	1,843,936
2040	59,691,620	5,040,466	-	1,766,128	-	1,766,128
2041	60,748,064	5,173,682	-	1,694,211	-	1,694,211
2042	61,669,348	5,315,819	-	1,626,875	-	1,626,875
2043	62,428,927	5,461,237	-	1,562,036	-	1,562,036
2044	63,004,948	5,602,614	-	1,497,639	-	1,497,639
2045	63,384,516	5,728,124	-	1,431,018	-	1,431,018
2046	63,573,104	5,843,558	-	1,364,351	-	1,364,351

Appendices

Year Beginning June 30:	Projected Beginning Plan Fiduciary Net Position	Funded Benefit Payments	Unfunded Benefit Payments	Discounted Funded Benefit Payments	Discounted Unfunded Benefit Payments	Discounted at Blended Rate
2047	63,567,905	5,964,960	-	1,301,585	-	1,301,585
2048	63,325,001	6,093,164	-	1,242,579	-	1,242,579
2049	62,827,809	6,226,745	-	1,186,748	-	1,186,748
2050	62,043,310	6,315,392	-	1,124,900	-	1,124,900
2051	61,014,024	6,332,237	-	1,054,113	-	1,054,113
2052	59,825,557	6,311,340	-	981,901	-	981,901
2053	58,522,427	6,267,497	-	911,290	-	911,290
2054	57,130,272	6,204,909	-	843,168	-	843,168
2055	55,668,771	6,126,239	-	778,016	-	778,016
2056	54,154,925	6,034,379	-	716,215	-	716,215
2057	52,595,713	5,931,826	-	657,984	-	657,984
2058	51,010,380	5,819,996	-	603,346	-	603,346
2059	49,409,541	5,700,769	-	552,323	-	552,323
2060	47,801,368	5,575,338	-	504,832	-	504,832
2061	46,193,075	5,444,483	-	460,732	-	460,732
2062	44,591,257	5,309,662	-	419,928	-	419,928
2063	43,001,308	5,171,427	-	382,239	-	382,239
2064	41,428,283	5,030,361	-	347,488	-	347,488
2065	39,876,913	4,886,971	-	315,498	-	315,498
2066	38,351,642	4,741,677	-	286,092	-	286,092
2067	36,856,720	4,594,784	-	259,092	-	259,092
2068	35,396,321	4,446,599	-	234,333	-	234,333
2069	33,974,549	4,297,184	-	211,644	-	211,644
2070	32,227,296	4,146,585	-	190,866	-	190,866

Appendices

Year Beginning June 30:	Projected Beginning Plan Fiduciary Net Position	Funded Benefit Payments	Unfunded Benefit Payments	Discounted Funded Benefit Payments	Discounted Unfunded Benefit Payments	Discounted at Blended Rate
2071	30,520,821	3,994,753	-	171,848	-	171,848
2072	28,787,724	3,841,604	-	154,448	-	154,448
2073	27,088,718	3,687,029	-	138,536	-	138,536
2074	25,427,775	3,530,934	-	123,992	-	123,992
2075	23,809,244	3,373,256	-	110,705	-	110,705
2076	22,237,836	3,213,983	-	98,578	-	98,578
2077	20,718,608	3,053,172	-	87,519	-	87,519
2078	19,256,908	2,890,963	-	77,448	-	77,448
2079	17,858,316	2,727,587	-	68,291	-	68,291
2080	16,528,559	2,563,378	-	59,981	-	59,981
2081	15,273,420	2,398,780	-	52,457	-	52,457
2082	14,098,628	2,234,345	-	45,665	-	45,665
2083	13,009,739	2,070,726	-	39,552	-	39,552
2084	12,012,022	1,908,674	-	34,072	-	34,072
2085	11,012,190	1,749,019	-	29,179	-	29,179
2086	10,106,597	1,592,655	-	24,832	-	24,832
2087	9,298,486	1,440,511	-	20,991	-	20,991
2088	8,590,367	1,293,526	-	17,616	-	17,616
2089	7,983,954	1,152,621	-	14,670	-	14,670
2090	7,480,128	1,018,661	-	12,117	-	12,117
2091	7,078,937	892,428	-	9,921	-	9,921
2092	6,779,622	774,597	-	8,048	-	8,048
2093	6,580,675	665,704	-	6,464	-	6,464
2094	6,479,925	566,144	-	5,138	-	5,138

Appendices

Year Beginning June 30:	Projected Beginning Plan Fiduciary Net Position	Funded Benefit Payments	Unfunded Benefit Payments	Discounted Funded Benefit Payments	Discounted Unfunded Benefit Payments	Discounted at Blended Rate
2095	6,474,644	476,147	-	4,038	-	4,038
2096	6,561,671	395,768	-	3,137	-	3,137
2097	6,747,819	324,894	-	2,407	-	2,407
2098	7,033,601	263,241	-	1,822	-	1,822
2099	7,414,058	210,367	-	1,361	-	1,361
2100	7,884,530	165,697	-	1,002	-	1,002
2101	8,440,815	128,544	-	726	-	726
2102	9,079,340	98,143	-	518	-	518
2103	9,797,280	73,689	-	364	-	364
2104	10,592,660	54,368	-	251	-	251
2105	11,464,417	39,385	-	170	-	170
2106	12,412,431	27,990	-	113	-	113
2107	13,437,533	19,500	-	73	-	73
2108	14,541,481	13,308	-	47	-	47
2109	15,726,930	8,892	-	29	-	29
2110	16,997,382	5,814	-	18	-	18
2111	18,357,143	3,720	-	11	-	11
2112	19,810,675	2,330	-	6	-	6
2113	21,372,667	1,429	-	4	-	4
2114	23,041,635	860	-	2	-	2
2115	24,824,706	510	-	1	-	1
2116	26,729,651	298	-	1	-	1
2117	28,764,887	174	-	-	-	-
2118	30,939,485	101	-	-	-	-

Appendices

Year Beginning June 30:	Projected Beginning Plan Fiduciary Net Position	Funded Benefit Payments	Unfunded Benefit Payments	Discounted Funded Benefit Payments	Discounted Unfunded Benefit Payments	Discounted at Blended Rate
2119	33,263,198	59	-	-	-	-
2120	35,746,485	35	-	-	-	-
2121	38,400,556	21	-	-	-	-
2122	41,237,414	13	-	-	-	-
2123	44,269,907	8	-	-	-	-
2124	47,511,782	5	-	-	-	-
2125	50,977,751	3	-	-	-	-
2126	54,683,557	2	-	-	-	-
2127	58,646,042	1	-	-	-	-
2128	62,883,227	1	-	-	-	-
2129	67,414,395	-	-	-	-	-
2130	72,260,175	-	-	-	-	-
Total				\$66,368,070		\$66,368,070

Appendices

Appendix D: Definition of terms

Definitions of certain terms as they are used in Statement No. 68. The terms may have different meanings in other contexts.

Term	Definition
Active members	Individuals employed at the end of the reporting or measurement period, as applicable.
Actual contributions	Cash contributions recognized as additions to a pension Plan Fiduciary Net Position.
Actuarial present value of projected benefit payments	Projected benefit payments discounted to reflect the expected effects of the time value (present value) of money and the probabilities of payment.
Actuarial valuation	The determination, as of a point in time (the actuarial valuation date), of the service cost, Total Pension Liability, and related actuarial present value of projected benefit payments for pensions performed in conformity with Actuarial Standards of Practice unless otherwise specified by the GASB.
Actuarial valuation date	The date as of which an actuarial valuation is performed.
Actuarially determined contribution	A target or recommended contribution to a defined benefit pension plan for the reporting period, determined in conformity with Actuarial Standards of Practice based on the most recent measurement available when the contribution for the reporting period was adopted.
Closed period	A specific number of years that is counted from one date and declines to zero with the passage of time. For example, if the recognition period initially is five years on a closed basis, four years remain after the first year, three years after the second year, and so forth.
Collective deferred outflows of resources and deferred inflows of resources related to pensions	Deferred outflows of resources and deferred inflows of resources related to pensions arising from certain changes in the collective Net Pension Liability.
Collective pension expense	Pension expense arising from certain changes in the collective Net Pension Liability.
Contributions	Additions to a pension Plan Fiduciary Net Position for amounts from employers, non-employer contributing entities (for example, state government contributions to a local government pension plan), or employees. Contributions can result from cash receipts by the pension plan or from recognition by the pension plan of a receivable from one of these sources.
Cost-of-living adjustments	Postemployment benefit changes intended to adjust benefit payments for the effects of inflation.
Covered payroll	The payroll of employees that are provided with pensions through the pension plan.
Defined benefit pension plans	Pension plans that are used to provide defined benefit pensions.

Appendices

Term	Definition
Defined benefit pensions	Pensions for which the income or other benefits that the employee will receive at or after separation from employment are defined by the benefit terms. The pensions may be stated as a specified dollar amount or as an amount that is calculated based on one or more factors such as age, years of service, and compensation. (A pension that does not meet the criteria of a defined contribution pension is classified as a defined benefit pension for purposes of Statement No. 68.)
Discount rate	The single rate of return that, when applied to all projected benefit payments, results in an actuarial present value of projected benefit payments equal to the total of the following: <ol style="list-style-type: none"> <li data-bbox="596 480 1875 626">1. The actuarial present value of benefit payments projected to be made in future periods in which (a) the amount of the pension Plan Fiduciary Net Position is projected (under the requirements of Statement No. 68) to be greater than the benefit payments that are projected to be made in that period and (b) pension plan assets up to that point are expected to be invested using a strategy to achieve the long-term expected rate of return, calculated using the long-term expected rate of return on pension plan investments. <li data-bbox="596 643 1875 691">2. The actuarial present value of projected benefit payments not included in (1), calculated using the municipal bond rate.
Entry age actuarial cost method	A method under which the actuarial present value of the projected benefits of each individual included in an actuarial valuation is allocated on a level basis over the earnings or service of the individual between entry age and assumed exit age(s). The portion of this actuarial present value allocated to a valuation year is called the normal cost. The portion of this actuarial present value not provided for at a valuation date by the actuarial present value of future normal costs is called the actuarial accrued liability.
Inactive members	Terminated individuals that have accumulated benefits but are not yet receiving them, and retirees or their beneficiaries currently receiving benefits.
Measurement period	The period between the prior and the current measurement dates.
Net Pension Liability (NPL)	The liability of employers and non-employer contributing entities to employees for benefits provided through a defined benefit pension plan.
Non-employer contributing entities	Entities that make contributions to a pension plan that is used to provide pensions to the employees of other entities. For purposes of Statement No. 68, employees are not considered non-employer contributing entities.
Other postemployment benefits	All postemployment benefits other than retirement income (such as death benefits, life insurance, disability, and long-term care) that are provided separately from a pension plan, as well as postemployment healthcare benefits, regardless of the manner in which they are provided. Other postemployment benefits do not include termination benefits.
Pension plans	Arrangements through which pensions are determined, assets dedicated for pensions are accumulated and managed and benefits are paid as they come due.
Pensions	Retirement income and, if provided through a pension plan, postemployment benefits other than retirement income (such as death benefits, life insurance, and disability benefits). Pensions do not include postemployment healthcare benefits and termination benefits.

Appendices

Term	Definition
Plan Fiduciary Net Position	Market value of assets.
Plan members	Individuals that are covered under the terms of a pension plan. Plan members generally include (1) employees in active service (active plan members) and (2) terminated employees who have accumulated benefits but are not yet receiving them and retirees or their beneficiaries currently receiving benefits (inactive plan members).
Projected benefit payments	All benefits estimated to be payable through the pension plan to current active and inactive employees as a result of their past service and their expected future service.
Real rate of return	The rate of return on an investment after adjustment to eliminate inflation.
Service costs	The portions of the actuarial present value of projected benefit payments that are attributed to valuation years.
Total Pension Liability (TPL)	The portion of the actuarial present value of projected benefit payments that is attributed to past periods of employee service in conformity with the requirements of Statement No. 68.

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