



**STATE OF NEW JERSEY
STATE POLICE RETIREMENT SYSTEM**

Schedule of Pension Amounts

June 30, 2022

(With Independent Auditors' Report Thereon)

**STATE OF NEW JERSEY
STATE POLICE RETIREMENT SYSTEM**

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KPMG LLP
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Independent Auditors' Report

The Treasurer
State of New Jersey:

Opinions

We have audited the columns titled net pension liability, total deferred outflows of resources, total deferred inflows of resources, and total pension expense (benefit) (specified column totals) included in the accompanying schedule of pension amounts of the State of New Jersey State Police Retirement System as of and for the year ended June 30, 2022 and the related notes.

In our opinion, the accompanying schedule referred to above presents fairly, in all material respects, the net pension liability, total deferred outflows of resources, deferred inflows of resources, and total pension expense (benefit) for the State of New Jersey State Police Retirement System as of and for the year ended June 30, 2022, in accordance with U.S. generally accepted accounting principles.

Basis for Opinions

We conducted our audit in accordance with auditing standards generally accepted in the United States of America (GAAS). Our responsibilities under those standards are further described in the Auditors' Responsibilities for the Audit of the Schedule section of our report. We are required to be independent of the State of New Jersey State Police Retirement System and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinions.

Responsibilities of Management for the Schedule

Management is responsible for the preparation and fair presentation of the schedule in accordance with U.S. generally accepted accounting principles, and for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of the schedule that is free from material misstatement, whether due to fraud or error.

Auditors' Responsibilities for the Audit of the Schedule

Our objectives are to obtain reasonable assurance about whether specified column totals included in the schedule of pension amounts are free from material misstatement, whether due to fraud or error, and to issue an auditors' report that includes our opinions. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with GAAS will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on specified column totals included in the schedule of pension amounts.

In performing an audit in accordance with GAAS, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.



- Identify and assess the risks of material misstatement of specified column totals included in the schedule of pension amounts, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in specified column totals included in the schedule of pension amounts.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the State of New Jersey State Police Retirement System's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of specified column totals included in the schedule of pension amounts.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control related matters that we identified during the audit.

Other Matter

We have audited, in accordance with GAAS, the financial statements of the State of New Jersey, Division of Pensions and Benefits, which includes the State Police Retirement System, as of and for the year ended June 30, 2022 and our report thereon, dated March 29, 2023, expressed an unmodified opinion on those financial statements.

Restriction on Use

Our report is intended solely for the information and use of the State of New Jersey, Division of Pensions and Benefits management, the Treasurer of the State of New Jersey, the State of New Jersey and their auditors, and is not intended to be and should not be used by anyone other than these specified parties.

KPMG LLP

Short Hills, New Jersey
May 18, 2023

**STATE OF NEW JERSEY
STATE POLICE RETIREMENT SYSTEM**

Schedule of Pension Amounts

As of and for the year ended June 30, 2022

	<u>Deferred outflows of resources</u>				<u>Deferred inflows of resources</u>				
	<u>Net pension liability</u>	<u>Differences between expected and actual experience</u>	<u>Changes of assumptions</u>	<u>Net difference between projected and actual investment earnings on pension plan investments</u>	<u>Total deferred outflows of resources</u>	<u>Differences between expected and actual experience</u>	<u>Changes of assumptions</u>	<u>Total deferred inflows of resources</u>	<u>Total pension expense (benefit)</u>
\$	2,275,074,428	76,451,991	140,271,715	86,709,783	303,433,489	6,178,383	876,106,168	882,284,551	(166,572,620)

See accompanying notes to schedule of pension amounts.

**STATE OF NEW JERSEY
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Notes to Schedule of Pension Amounts

June 30, 2022

(1) Plan Description

The State of New Jersey State Police Retirement System (SPRS) is a single-employer defined benefit pension plan administered by the State of New Jersey, Division of Pensions and Benefits (the Division). For additional information about SPRS, please refer to the Division's annual financial statements, which can be found at <https://www.state.nj.us/treasury/pensions/annual-reports.shtml>.

The vesting and benefit provisions are set by N.J.S.A. 53:5A. SPRS provides retirement benefits as well as death and disability benefits. All benefits vest after ten years of service, and members are always fully vested in their contributions. Mandatory retirement is at age 55. Voluntary retirement is prior to age 55 with 20 years of credited service. The benefit is an annual retirement allowance equal to the greater of (a), (b), or (c), as follows: (a) 50% of final compensation; (b) for members retiring with 25 years or more of service, 65% of final compensation, plus 1% for each year of service in excess of 25 years, to a maximum of 70% of final compensation; or (c) for members as of August 29, 1985 who would not have 20 years of service by age 55, benefit as defined in (a) above. For members as of August 29, 1985, who would have 20 years of service, but would not have 25 years of service at age 55, benefit is as defined in (a) above plus 3% for each year of service.

(2) Basis of Presentation

The schedule of pension amounts (the Schedule) presents amounts that are considered elements of the financial statements of SPRS and the State of New Jersey as the employer. Accordingly, they do not purport to be a complete presentation of the financial position or changes in financial position of SPRS or the State of New Jersey. The accompanying Schedule was prepared in accordance with U.S. generally accepted accounting principles. Such preparation requires management of SPRS to make a number of estimates and assumptions relating to the reported amounts. Due to the inherent nature of these estimates, actual results could differ from those estimates.

(3) Contributions

The contribution policy for SPRS is set by N.J.S.A. 53:5A and requires contributions by active members and the State of New Jersey. State legislation has modified the amount that is contributed by the State. The State's contribution amount is based on an actuarially determined amount which includes the normal cost and unfunded accrued liability. For fiscal year 2022, the State's pension contribution was more than the actuarial determined amount.

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Notes to Schedule of Pension Amounts

June 30, 2022

(4) Net Pension Liability and Actuarial Information

Components of Net Pension Liability

The components of the net pension liability of the State for SPRS as of June 30, 2022 are as follows:

Total pension liability	\$ 4,222,410,235
Plan fiduciary net position	<u>1,947,335,807</u>
Net pension liability	<u>\$ 2,275,074,428</u>

The total pension liability for the June 30, 2022 measurement date was determined by an actuarial valuation as of July 1, 2021, which was rolled forward to June 30, 2022. This actuarial valuation used the following actuarial assumptions, applied to all periods in the measurement:

Inflation rate:	
Price	2.75%
Wage	3.25%
Salary increases:	2.75 - 6.75% based on years of service
Investment rate of return	7.00%

Pre-retirement mortality rates were based on the Pub-2010 Public Safety Above-Median Income Employee mortality table, unadjusted, and with future improvement from the base year of 2010 on a generational basis. Post-retirement mortality rates were based on the Pub-2010 Public Safety Above-Median Income Healthy Retiree mortality table for healthy retirees (Healthy Annuitants) and Pub-2010 General Above-Median Income Healthy Retiree mortality table for beneficiaries (Contingent annuitants), unadjusted, and with future improvement from the base year of 2010 on a generational basis. Disability mortality rates were based on the Pub-2010 Public Safety Disabled Retiree mortality table, unadjusted, and with future improvement from the base year of 2010 on a generational basis. Mortality improvement is based on Scale MP-2021.

The actuarial assumptions used in the July 1, 2021 valuation were based on the results of an actuarial experience study for the period July 1, 2018 to June 30, 2021.

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June 30, 2022

Long-Term Expected Rate of Return

In accordance with State statute, the long-term expected rate of return on plan investments (7.00% at June 30, 2022) is determined by the State Treasurer, after consultation with the Directors of the Division of Investment and Division of Pensions and Benefits, the board of trustees and the actuaries. The long-term expected rate of return was determined using a building block method in which best-estimate ranges of expected future real rates of return (expected returns, net of pension plan investment expense and inflation) are developed for each major asset class. These ranges 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 and by adding expected inflation. Best estimates of arithmetic real rates of return for each major asset class included in SPRS's target asset allocation as of June 30, 2022 are summarized in the following table:

<u>Asset Class</u>	<u>Target Allocation</u>	<u>Long-Term Expected Real Rate of Return</u>
U.S. Equity	27.00%	8.12%
Non-U.S. Developed Markets Equity	13.50%	8.38%
Emerging Markets Equity	5.50%	10.33%
Private Equity	13.00%	11.80%
Real Estate	8.00%	11.19%
Real Assets	3.00%	7.60%
High Yield	4.00%	4.95%
Private Credit	8.00%	8.10%
Investment Grade Credit	7.00%	3.38%
Cash Equivalents	4.00%	1.75%
U.S. Treasuries	4.00%	1.75%
Risk Mitigation Strategies	3.00%	4.91%

Discount Rate

The discount rate used to measure the total pension liability was 7.00% as of June 30, 2022. The projection of cash flows used to determine the discount rate assumed that contributions from plan members will be made at the current member contribution rates and that contributions from employers will be based on 100% of the actuarially determined contributions for the State. Based on those assumptions, the plan's fiduciary net position was projected to be available to make all projected future benefit payments of current plan members. Therefore, the long-term expected rate of return on plan investments was applied to all projected benefit payments in determining the total pension liability.

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June 30, 2022

Sensitivity of Net Pension Liability

The following presents the net pension liability of SPRS as of June 30, 2022, calculated using the discount rate as disclosed above as well as what SPRS's net pension liability would be if it was calculated using a discount rate that is 1-percentage-point lower or 1-percentage-point higher than the current rate:

	At 1% decrease (6.00%)	At current discount rate (7.00%)	At 1% increase (8.00%)
\$	2,792,748,947	2,275,074,428	1,846,440,869

(5) Deferred Outflows of Resources and Deferred Inflows of Resources

The following presents a summary of changes in the deferred outflows of resources and deferred inflows of resources for the year ended June 30, 2022:

	Year of deferral	Amortization period	Beginning of year balance	Additions	Deductions	End of year balance
Deferred Outflows of Resources:						
Differences between expected and actual experience	2017	5.67 years	\$ 2,810,776	—	2,810,776	—
	2020	5.58 years	4,231,441	—	1,181,966	3,049,475
	2021	5.49 years	3,131,524	—	697,444	2,434,080
	2022	5.94 years	—	85,334,516	14,366,080	70,968,436
Subtotal			10,173,741	85,334,516	19,056,266	76,451,991
Changes of assumptions	2020	5.58 years	194,640,597	—	54,368,882	140,271,715
Differences between projected and actual investment earnings on pension plan investments	2018	5 years	(7,131,334)	—	(7,131,334)	—
	2019	5 years	6,084,614	—	3,042,308	3,042,306
	2020	5 years	57,989,176	—	19,329,726	38,659,450
	2021	5 years	(288,192,422)	—	(72,048,106)	(216,144,316)
	2022	5 years	—	326,440,429	65,288,086	261,152,343
Subtotal			(231,249,966)	326,440,429	8,480,680	86,709,783
Total Deferred Outflows of Resources			\$ (26,435,628)	411,774,945	81,905,828	303,433,489

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	<u>Year of deferral</u>	<u>Amortization period</u>	<u>Beginning of year balance</u>	<u>Additions</u>	<u>Deductions</u>	<u>End of year balance</u>
Deferred Inflows of Resources:						
Differences between expected and actual experience	2018	5.90 years	\$ 6,309,344	—	3,320,707	2,988,637
	2019	5.53 years	<u>5,274,549</u>	<u>—</u>	<u>2,084,803</u>	<u>3,189,746</u>
Subtotal			<u>11,583,893</u>	<u>—</u>	<u>5,405,510</u>	<u>6,178,383</u>
Changes of assumptions	2017	5.67 years	82,476,226	—	82,476,226	—
	2018	5.90 years	122,208,736	—	64,320,387	57,888,349
	2019	5.53 years	152,720,226	—	60,363,726	92,356,500
	2021	5.49 years	907,348,104	—	202,081,983	705,266,121
	2022	5.94 years	—	<u>24,764,266</u>	<u>4,169,068</u>	<u>20,595,198</u>
Subtotal			<u>1,264,753,292</u>	<u>24,764,266</u>	<u>413,411,390</u>	<u>876,106,168</u>
Total Deferred Outflows of Resources			<u>\$ 1,276,337,185</u>	<u>24,764,266</u>	<u>418,816,900</u>	<u>882,284,551</u>

Amounts reported as deferred outflows of resources and deferred inflows of resources related to pensions will be recognized in pension expense (benefit) as follows:

Year ending June 30:	
2023	\$ (243,350,182)
2024	(156,164,692)
2025	(165,728,051)
2026	(23,193,327)
2027	<u>9,585,190</u>
Total	<u>\$ (578,851,062)</u>

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(6) Pension Expense (Benefit)

The components of total pension expense (benefit) for the year ending June 30, 2022 are as follows:

Service cost	\$	72,160,698
Interest on total pension liability		280,610,597
Member contributions		(27,081,021)
Administrative expense		701,981
Expected investment return net of investment expenses		(156,053,803)
Current period recognition (amortization) of deferred inflows/outflows of resources:		
Differences between expected and actual experience		13,650,756
Changes of assumptions		(359,042,508)
Difference between projected and actual investment earnings on pension plan investments		<u>8,480,680</u>
Total pension expense (benefit)	\$	<u><u>(166,572,620)</u></u>