STATE OF NEW JERSEY
JUDICIAL RETIREMENT SYSTEM

Schedule of Pension Amounts

June 30, 2020

(With Independent Auditors' Report Thereon)

STATE OF NEW JERSEY
JUDICIAL RETIREMENT SYSTEM

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Independent Auditors' Report

The Treasurer
State of New Jersey:

We have audited the columns titled net pension liability, total deferred outflows of resources, total deferred inflows of resources, and total pension expense (specified column totals) included in the accompanying schedule of pension amounts of the State of New Jersey Judicial Retirement System as of and for the year ended June 30, 2020, and the related notes.

Management's Responsibility for the Schedule

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

Auditors' Responsibility

Our responsibility is to express opinions on the specified column totals included in this schedule of pension amounts based on our audit. We conducted our audit in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the specified column totals included in the schedule of pension amounts are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the specified column totals included in the schedule of pension amounts and disclosures. The procedures selected depend on the auditors' judgment, including the assessment of the risks of material misstatement of the specified column totals included in the schedule of pension amounts, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the specified column totals included in the schedule of pension amounts 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 entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the specified column totals included in the schedule of pension amounts.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinions.

Opinions

In our opinion, the schedule referred to above presents fairly, in all material respects, the net pension liability, total deferred outflows of resources, total deferred inflows of resources, and total pension expense for the State of New Jersey Judicial Retirement System as of and for the year ended June 30, 2020 in accordance with U.S. generally accepted accounting principles.

Other Matters

We have audited, in accordance with auditing standards generally accepted in the United States of America, the financial statements of the State of New Jersey, Division of Pensions and Benefits, which includes the Judicial Retirement System, as of and for the year ended June 30, 2020, and our report thereon, dated March 31, 2021, 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
June 4, 2021

STATE OF NEW JERSEY
JUDICIAL RETIREMENT SYSTEM

Schedule of Pension Amounts

As of and for the year ended June 30, 2020

	Net pension liability	Deferred outflows of resources				Deferred inflows of resources			Total pension expense
		Differences between expected and actual experience	Changes of assumptions	Net difference between projected and actual investment earnings on pension plan investments	Total deferred outflows of resources	Differences between expected and actual experience	Changes of assumptions	Total deferred inflows of resources	
$	1,108,729,132	10,909,080	148,345,561	4,614,055	163,868,696	1,542,363	4,162,816	5,705,179	138,145,741

See accompanying notes to schedule of pension amounts.

(1) Plan Description

The State of New Jersey Judicial Retirement System (JRS) 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 JRS, 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. 43:6A. JRS provides retirement benefits as well as death and disability benefits. Retirement is mandatory at age 70. Service retirement benefits are available to members who have reached certain ages and various years of service. Benefits of 75% of final salary are available to members at age 70 with 10 years or more of judicial service; members between ages 65-69 with 15 years or more of judicial service or between ages 60-64 with 20 years or more of judicial service. Benefits of 50% of final salary are available to those with both judicial service and non-judicial service for which five or more consecutive years were judicial service. These benefits are available at age 65 or older with 15 years or more of aggregate service or age 60 or older with 20 years or more of aggregate service. Benefits of 2% of final salary for each year of public service up to 25 years plus 1% of final salary for each year in excess of 25 years are available at age 60 with five consecutive years of judicial service plus 15 years in the aggregate of public service or at age 60 while serving as a judge.

Early retirement benefits of 2% of final salary for each year of service up to 25 years and 1% of final salary for each year over 25 years is available to members who retire before age 60, have 5 or more consecutive years of judicial service, and 25 or more years in aggregate public service. The amount of benefits is actuarially reduced for the number of months remaining until the member reaches age 60.

(2) Basis of Presentation

The schedule of pension amounts (the Schedule) presents amounts that are considered elements of the financial statements of JRS 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 JRS 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 JRS 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 JRS is set by N.J.S.A. 43:6A 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 2020, the State's pension contribution was less than the actuarial determined amount.

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(4) Net Pension Liability and Actuarial Information

Components of Net Pension Liability

The components of the net pension liability for JRS as of June 30, 2020 are as follows:

Total pension liability	$ 1,255,157,975
Plan fiduciary net position	146,428,843
Net pension liability	$ 1,108,729,132

The total pension liability for the June 30, 2020 measurement date was determined by an actuarial valuation as of July 1, 2019, which was rolled forwarded to June 30, 2020. 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:	
Through 2025	2.00% through 2025
Thereafter	2.75 %
Investment rate of return	7.00 %

Pre-retirement mortality rates were based on the Pub-2010 Teachers 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 Teachers Above-Median Income Healthy Retiree mortality table, unadjusted, and with future improvement from the base year of 2010 on a generational basis. Disability mortality rates were based on the Pub-2010 Non-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-2020.

The actuarial assumptions used in the July 1, 2019 valuation were based on the results of an actuarial experience study for the period July 1, 2014 to June 30, 2018.

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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, 2020) 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 JRS's target asset allocation as of June 30, 2020 are summarized in the following table:

Asset Class	Target Allocation	Long-Term Expected Real Rate of Return
US Equity	27.00%	7.71%
Non-U.S. Developed Market Equity	13.50%	8.57%
Emerging Market Equity	5.50%	10.23%
Private Equity	13.00%	11.42%
Real Assets	3.00%	9.73%
Real Estate	8.00%	9.56%
High Yield	2.00%	5.95%
Private Credit	8.00%	7.59%
Investment Grade Credit	8.00%	2.67%
Cash Equivalents	4.00%	0.50%
U.S. Treasuries	5.00%	1.94%
Risk Mitigation Strategies	3.00%	3.40%

(Continued)

Discount Rate

The discount rate used to measure the total pension liability was 3.10% as of June 30, 2020. This single blended discount rate was based on the long-term expected rate of return on pension plan investments of 7.00% and a municipal bond rate of 2.21% as of June 30, 2020 based on the Bond Buyer Go 20-Bond Municipal Bond Index, which includes tax-exempt general obligation municipal bonds with an average rating of AA/Aa or higher. 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 78% 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 projected future benefit payments of current plan members through 2033. Therefore, the long-term expected rate of return on plan investments was applied to projected benefit payments through 2033 and the municipal bond rate was applied to projected benefit payments after that date in determining the total pension liability.

Sensitivity of Net Pension Liability

The following presents the net pension liability of JRS as of June 30, 2020, calculated using the discount rate as disclosed above as well as what JRS'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 (2.10%)	At current discount rate (3.10%)	At 1% increase (4.10%)
$	1,259,754,679	1,108,729,132	982,133,050

(Continued)

(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, 2020:

	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	3.44 years	$ 1,806,132	—	1,806,132	—
	2019	3.68 years	14,243,127	—	5,314,600	8,928,527
	2020	3.37 years	—	2,816,229	835,676	1,980,553
Subtotal			16,049,259	2,816,229	7,956,408	10,909,080
Changes of assumptions	2019	3.68 years	110,167,520	—	41,107,284	69,060,236
	2020	3.37 years	—	112,739,048	33,453,723	79,285,325
Subtotal			110,167,520	112,739,048	74,561,007	148,345,561
Differences between projected						
and actual investment earnings	2016	5 years	3,558,736	—	3,558,736	—
on pension plan investments	2017	5 years	(3,180,985)	—	(1,590,493)	(1,590,492)
	2018	5 years	(2,103,974)	—	(701,324)	(1,402,650)
	2019	5 years	1,284,650	—	321,162	963,488
	2020	5 years	—	8,304,636	1,660,927	6,643,709
Subtotal			(441,573)	8,304,636	3,249,008	4,614,055
Total Deferred Outflows of Resources			$ 125,775,206	123,859,913	85,766,423	163,868,696
Deferred Inflows of Resources:						
Differences between expected						
and actual experience	2018	3.66 years	$ 3,879,274	—	2,336,911	1,542,363
Changes of assumptions	2017	3.44 years	8,983,593	—	8,983,593	—
	2018	3.66 years	10,470,113	—	6,307,297	4,162,816
Subtotal			19,453,706	—	15,290,890	4,162,816
Total Deferred Inflows of Resources			$ 23,332,980	—	17,627,801	5,705,179

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

Year ending June 30:		
2021	$	74,696,377
2022		67,137,041
2023		14,669,171
2024		1,660,928
Total	$	158,163,517

(6) Pension Expense

The components of total pension expense for the year ending June 30, 2020 are as follows:

Service cost	$	43,552,248
Interest on total pension liability		45,751,351
Member contributions		(9,239,505)
Administrative expense		219,976
Expected investment return net of investment expenses		(10,276,951)
Current period recognition (amortization) of deferred inflows/outflows of resources:		
Differences between expected and actual experience		5,619,497
Changes of assumptions		59,270,117
Difference between projected and actual investment earnings on pension plan investments		3,249,008
Total pension expense	$	138,145,741