

Judges' Retirement System of Illinois

Valuation Results as of June 30, 2021

October 29, 2021

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Agenda

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Valuation Results: Funded Status (\$ in Millions)

	June 30, 2021	June 30, 2020
Actuarial Accrued Liability	\$2,920.6	\$2,849.9
Market Value of Assets (MVA)	\$1,377.1	\$1,112.5
Unfunded Actuarial Accrued Liability - MVA Basis	\$1,543.5	\$1,737.4
Funded Ratio - MVA Basis	47.15%	39.04%
Actuarial Value of Assets (AVA)	\$1,227.4	\$1,121.3
Unfunded Actuarial Accrued Liability - AVA Basis	\$1,693.2	\$1,728.6
Funded Ratio - AVA Basis	42.03%	39.34%



Valuation Results: Change in Funded Ratio

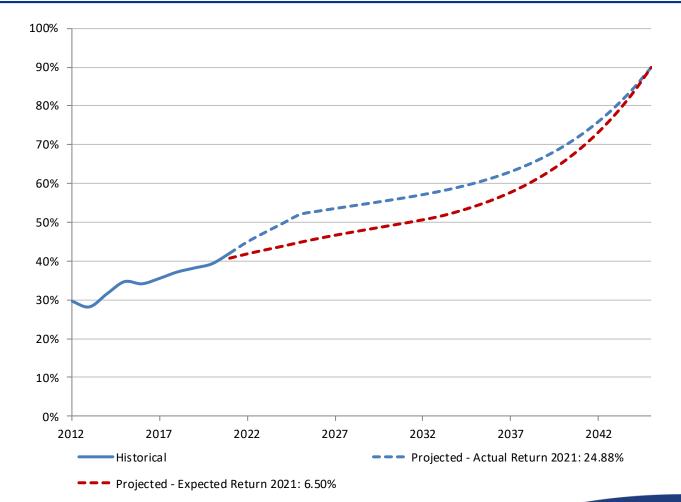
	June 30, 2021	June 30, 2020	June 30, 2019
Funded Ratio Beginning of Year	39.34%	38.26%	37.21%
Expected ¹	1.17%	1.33%	1.65%
Contribution Shortfall	0.19%	-0.01%	-0.34%
Liability Experience	-0.21%	0.06%	-0.48%
Assumption Changes	0.00%	0.00%	0.52%
Asset Experience (Return on AVA)	<u>1.54%</u>	<u>-0.30%</u>	<u>-0.30%</u>
Funded Ratio End of Year	42.03%	39.34%	38.26%
Return on AVA	10.53%	5.72%	5.95%

¹Assumes total contributions equal to normal cost plus interest.





Valuation Results: Historical/Projected Funded Ratios



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Valuation Results: Cash Flow Comparison (\$ in Millions)

	FYE 2021	Projected FYE 2022	Projected FYE 2023	Projected FYE 2024	Projected FYE 2025
Employer Contribution	\$148.6	\$152.4	\$142.7	\$141.1	\$139.6
Employee Contribution	\$14.6	\$14.0	\$13.9	\$14.0	\$14.0
Benefits	(\$173.5)	(\$185.2)	(\$193.2)	(\$201.4)	(\$209.4)
Expenses	(\$1.0)	(\$1.1)	(\$1.1)	(\$1.1)	(\$1.1)
Net Cash Flow	(\$11.3)	(\$19.9)	(\$37.7)	(\$47.4)	(\$56.9)

- Benefits and expenses continue to exceed State and employee contributions.
- From 2022 to 2033, the percentage of investment income needed to pay ongoing benefits is projected to increase from approximately 25 percent to 93 percent.
 - This implies that a lower level of investment income is projected to be available for potential asset growth.



Valuation Results: Contribution Requirements (\$ in Millions)

FY 2023 State Contribution	Amount	Rate
Basic Funding	\$ 142.7	91.911%
Compares to FY 2022 Contribution	Amount	Rate
Basic Funding	\$ 152.4	97.319%





Valuation Results: Contribution Shortfalls (\$ in Millions)

FY 2023	Amount	Rate
Annual Determined Contribution Basic Funding Difference	\$ 174.9 <u>142.7</u> \$ 32.2	112.663% 91.911% 20.752%
FY 2022	Amount	Rate
FY 2022 Annual Determined Contribution Basic Funding	Amount \$ 175.8 152.4	Rate 112.260% 97.319%

The Actuarially Determined Contribution (ADC), is equal to the Normal Cost plus a 25-year level percent of capped payroll closed-period amortization of the Unfunded Actuarial Accrued Liability. As of June 30, 2021, the remaining amortization period is 19 years.



Experience Study

 Pursuant to Public Act 99-0232, JRS is required to conduct an actuarial experience review once every three years. Under this schedule, an experience review for the period from July 1, 2018 through June 30, 2021, will be performed after completion of the June 30, 2021, actuarial valuation with expected implementation of the recommended assumptions beginning with the June 30, 2022, actuarial valuation.







- Investment gains increased the funded ratio and decreased the State's contribution requirement.
- Funded ratio is projected to increase slowly from 42.0% in 2021 to 58.1% in 2033, and then increases rapidly to 90% by 2045.

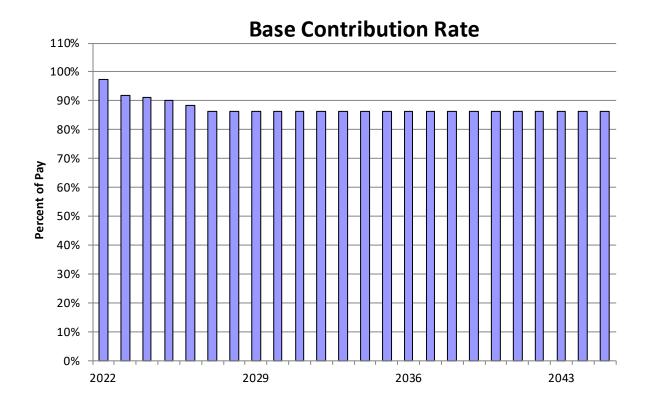


APPENDIX A: PROJECTION RESULTS





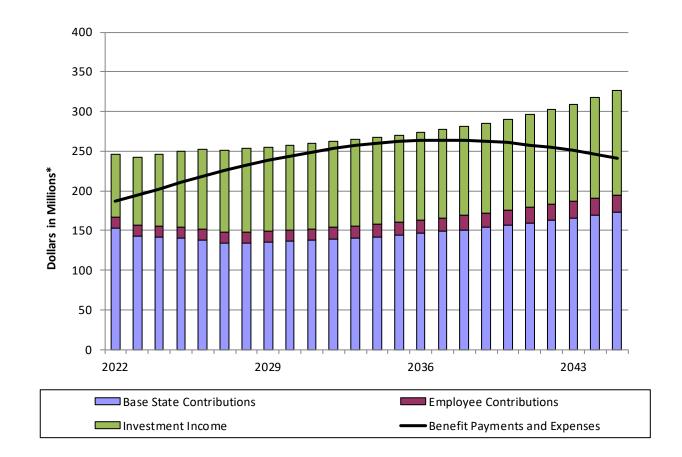
Projection Results: Phase-in of investment gains/losses in the AVA and Contribution Rate Variances due to Smoothing of Changes in Assumptions: Contributions – Rate



Base Contribution



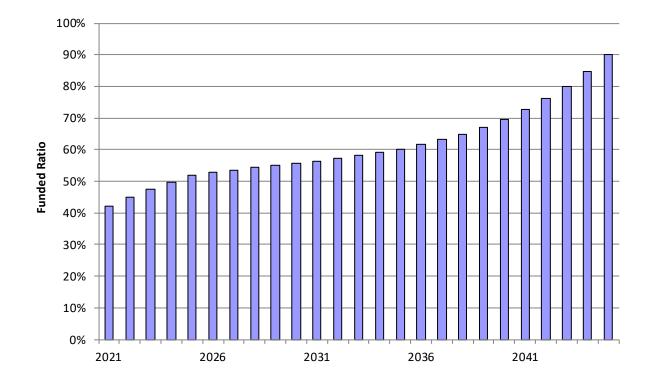
Projection Results: Phase-in of investment gains/losses in the AVA and Contribution Rate Variances due to Smoothing of Changes in Assumptions: Cash Flow Comparison



*Future dollar amounts are based on assumed inflationary increases.

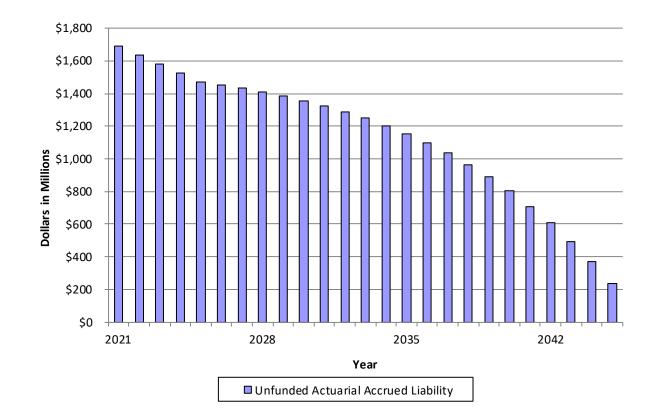


Projection Results: Phase-in of investment gains/losses in the AVA and Contribution Rate Variances due to Smoothing of Changes in Assumptions: Funded Ratio





Projection Results: Phase-in of investment gains/losses in the AVA and Contribution Rate Variances due to Smoothing of Changes in Assumptions: Unfunded Actuarial Accrued Liability





APPENDIX B: MEMBERSHIP DATA





Active Members

	June 30, 2021	June 30, 2020
Number as of Valuation Date	944	947
Covered Uncapped Payroll for Fiscal Year	\$197.89 Million	\$193.42 Million
Average Annual Earnings	\$209,634	\$204,243





Current Benefit Recipients

	June 30, 2021	June 30, 2020
Retirees	951	931
Disabled	0	0
Survivors	347	345
Total	1,298	1,276
Total Benefits	\$175.35M	\$166.95M
Average Benefits	\$135,089	\$130,839











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- The primary purpose of the actuarial valuation is to measure the financial position of JRS.





Disclosures

- The valuation results summarized in this report involve actuarial calculations that require assumptions about future events. The major actuarial assumptions used in this analysis were provided by and are the responsibility of JRS. We are unable to judge the reasonableness of some of these assumptions without performing a substantial amount of additional work beyond the scope of the assignment.
- Future actuarial measurements may differ significantly from the current measurements presented in this report due to such factors as the following: plan experience differing from that anticipated by the economic or demographic assumptions; changes in economic or demographic assumptions; and changes in plan provisions or applicable law.
- This is one of multiple documents comprising the actuarial report for the JRS actuarial valuation. Additional information regarding actuarial assumptions and methods, and important additional disclosures are provided in the full actuarial valuation report as of June 30, 2021.
- If you need additional information to make an informed decision about the contents of this presentation, or if anything appears to be missing or incomplete, please contact us before relying on this presentation.

