Los Angeles County Employees Retirement Association

GASB 67 Disclosure

GASB 67 Reporting Date: June 30, 2023

Measurement Date: June 30, 2023

Actuarial Valuation Date: June 30, 2022

Fiscal Year: July 1, 2022 to June 30, 2023

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Certification

Actuarial computations presented in this report under Statement No. 67 of the Governmental Accounting Standards Board are for purposes of assisting LACERA in fulfilling its financial accounting requirements. No attempt is being made to offer any accounting opinion or advice. This report is for fiscal year July 1, 2022 to June 30, 2023. The reporting date for determining plan assets and obligations is June 30, 2023. The calculations enclosed in this report have been made on a basis consistent with our understanding of the plan provisions. Determinations for purposes other than meeting financial reporting requirements may be significantly different than the results contained in this report. Accordingly, additional determinations may be needed for other purposes, such as judging benefit security or meeting employer funding requirements.

In preparing this report, we relied, without audit, on information as of June 30, 2022 furnished by LACERA. This information includes, but is not limited to, statutory provisions, member census data, and financial information. Please see Milliman's Actuarial Valuation of Retirement Benefits report dated February 16, 2023 for more information on the data used in the valuation, as well as a summary of the plan provisions and actuarial methods and assumptions.

We performed a limited review of the census and financial information used directly in our analysis and have found them to be reasonably consistent and comparable with information used for other purposes. The valuation results depend on the integrity of this information. If any of this information is inaccurate or incomplete our results may be different, and our calculations may need to be revised.

All costs, liabilities, rates of interest, and other factors for the Plan have been determined on the basis of actuarial assumptions and methods which are individually reasonable (taking into account the experience of the Plan and reasonable expectations); and which in combination, offer our best estimate of anticipated experience affecting the Plan.

The valuation results were developed using models employing standard actuarial techniques. We have reviewed the models, including their inputs, calculations, and outputs for consistency, reasonableness, and appropriateness to the intended purpose and in compliance with generally accepted actuarial practice and relevant actuarial standards of practice. Reliance on other experts is reflected in Milliman’s capital market assumptions, and in Milliman’s expected return model maintained by Milliman investment consultants.

This report is only an estimate of the Plan's financial condition as of a single date. It can neither predict the Plan's future condition nor guarantee future financial soundness. Actuarial valuations do not affect the ultimate cost of Plan benefits, only the timing of Plan contributions. While the valuation is based on an array of individually reasonable assumptions, other assumption sets may also be reasonable and valuation results based on those assumptions would be different. No one set of assumptions is uniquely correct. Determining results using alternative assumptions is outside the scope of our engagement.

Future actuarial measurements may differ significantly from the current measurements presented in this report due to factors such as, but not limited to, the following: Plan experience differing from that anticipated by the economic or demographic assumptions; changes in economic or demographic assumptions; increases or decreases expected as part of the natural operation of the methodology used for these measurements (such as the end of an amortization period or additional cost or contribution requirements based on the Plan’s funded status); and changes in plan provisions or applicable law. Due to the limited scope of the actuarial assignment, we did not perform an analysis of the potential range of such future measurements. The valuation results were developed using models intended for valuations that use standard actuarial techniques.

Milliman's work is prepared solely for the use and benefit of LACERA. To the extent that Milliman's work is not subject to disclosure under applicable public records laws, Milliman's work may not be provided to third parties without Milliman's prior written consent. Milliman does not intend to benefit or create a legal duty to any third party recipient of its work product. Milliman's consent to release its work product to any third party may be conditioned on the third party signing a Release, subject to the following exceptions:

a) the plan sponsor may provide a copy of Milliman's work, in its entirety, to the plan sponsor's professional service advisors who are subject to a duty of confidentiality and who agree to not use Milliman's work for any purpose other than to benefit the Fund; and

b) the plan sponsor may provide a copy of Milliman's work, in its entirety, to other governmental entities, as required by law.

No third party recipient of Milliman's work product should rely upon Milliman's work product. Such recipients should engage qualified professionals for advice appropriate to their specific needs.

The consultants who worked on this assignment are retirement actuaries. Milliman's advice is not intended to be a substitute for qualified legal or accounting counsel.

The signing actuaries are independent of the plan sponsor. We are not aware of any relationship that would impair the objectivity of our work.

On the basis of the foregoing, we hereby certify that, to the best of our knowledge and belief, this report is complete and has been prepared in accordance with generally recognized accepted actuarial principles and practices. We are members of the American Academy of Actuaries and meet the Qualification Standards to render the actuarial opinion contained herein.

Nick Collier

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Overview of GASB 67 and GASB 68

GASB 67 establishes financial reporting standards for state and local governmental pension plans that are administered through trusts or equivalent arrangements.

GASB 68 establishes standards for governmental employer recognition, measurement, and presentation of information about pensions provided to the employees of state and local governmental employers through pension plans that are administered through trusts or equivalent arrangements. GASB 68 requires a liability for pension obligations, known as the Net Pension Liability, to be recognized on the balance sheets of participating employers. Changes in the Net Pension Liability will be immediately recognized as Pension Expense on the income statement or reported as deferred inflows/outflows of resources depending on the nature of the change.

A plan's fiscal year might not be the same as an employer's fiscal year, and an employer's GASB 68 reporting date might be different than the plan's GASB 67 reporting date. GASB 67 requires the pension plan's reporting date be equal to its measurement date, which is the plan's most recent fiscal year end. GASB 68 requires the employer's reporting date be equal to the employer's fiscal year end. However, GASB 68 allows the employer to report based on a measurement date earlier than the reporting date, provided it is no earlier than the end of the employer's prior fiscal year end.

In LACERA's process the measurement date is equal to the plan's fiscal year end, and the total pension liability as of the measurement date is determined by reference to the actuarial valuation 12 months prior to the measurement date, updated using roll forward procedures to the measurement date. For GASB 67, the measurement date, reporting date and plan's fiscal year end date are the same. The GASB 68 reporting date is the same as the employer's fiscal year end date that next follows the plan's fiscal year end date. By using a later reporting date under GASB 68 than under GASB 67, a circumstance can be avoided in which employer financial reporting is delayed awaiting the pension plan's financial reporting.

The following GASB Statements provide additional information for, amend, or clarify GASB 67 and 68:

- GASB 73 provides information about accounting and reporting for pensions and related assets that are not within the scope of GASB 68, and amendments to certain provisions of GASB 67 and 68.
- GASB 82 addresses certain issues with respect to GASB 67, GASB 68 and GASB 73.

Statement of Fiduciary Net Position

	June 30, 2023	June 30, 2022
Assets		
Cash and Short-Term Investments	$ 2,222,256,792	$ 3,058,494,546
Cash Collateral on Loaned Securities	1,869,432,645	1,401,076,878
Receivables		
Contributions Receivable	127,192,052	119,635,183
Accounts Receivable - Sale of Investments	233,150,293	355,515,478
Accrued Interest and Dividends	220,243,947	226,860,897
Accounts Receivable - Other	5,940,399	10,226,949
Total Receivables	586,526,691	712,238,507
Investments at Fair Value		
Equity	27,130,122,428	24,464,719,621
Fixed Income	17,921,556,526	18,641,786,544
Private Equity	13,894,495,311	12,753,842,152
Real Estate	5,109,454,330	5,802,979,342
Hedge Funds	4,890,856,047	4,440,433,903
Real Assets	2,514,132,334	1,363,251,696
Total Investments at Fair Value	71,460,616,976	67,467,013,256
Total assets	76,138,833,103	72,638,823,188
Liabilities		
Accounts Payable - Purchase of Investments	332,063,234	835,073,030
Retiree Payroll and Other Payables	2,259,401	1,779,455
Accrued Expenses	29,343,832	63,266,240
Tax Withholding Payable	43,525,048	42,715,354
Obligations under Securities Lending Program	1,869,432,645	1,401,076,878
Accounts Payable - Other	10,322,874	5,299,875
Total liabilities	2,286,947,034	2,349,210,833
Net position restricted for pension benefits	$ 73,851,886,070	$ 70,289,612,355

Statement of Changes in Fiduciary Net Position

	July 1, 2022 - June 30, 2023
Additions	
Contributions	
Employer	$ 2,301,705,589
Member	793,244,127
Total Contributions	3,094,949,716
Investment Income	
From Investing Activities:	
Net Appreciation/(Depreciation) in Fair Value of Investments	1,943,782,733
Investment Income/(Loss)	3,087,891,275
Total Investing Activity Income	5,031,674,008
Less Expenses From Investing Activities	(189,483,833)
Net Investing Activity Income	4,842,190,175
From Securities Lending Activities:	
Securities Lending Income	63,652,080
Less Expenses From Securities Lending Activities:	
Borrower Rebates	(47,869,289)
Management Fees	(1,687,343)
Total Expenses from Securities Lending Activities	(49,556,631)
Net Securities Lending Income	14,095,448
Total Net Investment Income	4,856,285,624
Miscellaneous	5,009,033
Total Additions	7,956,244,372
Deductions	
Retiree Payroll	4,234,600,092
Administrative Expenses	97,014,656
Investment Expenses	15,135,017
Refunds	43,412,068
Lump Sum Death Benefits	3,351,047
Miscellaneous	457,778
Total Deductions	4,393,970,658
Net increase/(decrease) in Net Position	3,562,273,714
Net position restricted for pension benefits	
Beginning of Year	70,289,612,355
End of Year	$ 73,851,886,070

Net Pension Liability

$ Thousands

Net Pension Liability	June 30, 2023	June 30, 2022
Total pension liability	$88,469,442	$83,931,424
Less: Fiduciary net position	(73,851,886)	(70,289,612)
Net pension liability	14,617,556	13,641,812
Fiduciary net position as a % of total pension liability	83.48%	83.75%
Covered payroll (1)	$9,425,690	$9,100,791
Net pension liability as a % of covered payroll	155.08%	149.90%

The total pension liability was determined by an actuarial valuation as of the valuation date, calculated based on the discount rate shown below and actuarial assumptions and methods as outlined in this report for GASB purposes, and was then projected forward to the measurement date taking into account any significant changes between the valuation date and the fiscal year end as prescribed by GASB 67 and 68.

Discount Rate

Discount rate	7.13%	7.13%
Long-term expected rate of return, net of expenses	7.00%	7.00%
Municipal bond rate	N/A	N/A

Milliman's December 2022 Investigation of Experience analysis was used to develop the 7.13% assumption used for the current reporting date. This is equal to the 7.00% long-term investment return assumption adopted by the Board (net of investment and administrative expenses), plus 0.13% assumed administrative expenses. The assumptions are reviewed annually for continued compliance with the relevant actuarial standards of practice.

The Plan's fiduciary net position was projected to be available to make all projected future benefit payments of current active and inactive employees. Therefore, the discount rate for calculating the total pension liability is equal to the long-term expected rate of return, gross of administrative expenses. See the Discount Rate section of this report for further details.

Other Key Actuarial Assumptions

The actuarial assumptions that determined the total pension liability as of June 30, 2022 were based on the results of an actuarial experience study for the period July 1, 2019 - June 30, 2022.

Valuation date	June 30, 2022	June 30, 2021
Measurement date	June 30, 2023	June 30, 2022
Other assumptions and methods	See the 'Assumptions and Methods' section of this report.	

1. In accordance with GASB 82, covered payroll is the payroll on which contributions are based.

Depletion of Plan Assets / GASB Discount Rate

The discount rate is 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:

1. The actuarial present value of benefit payments projected to be made in future periods in which (a) the amount of the pension plan's fiduciary net position is projected 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 rate of return, calculated using the long-term expected rate of return on pension plan investments.
2. The actuarial present value of projected benefit payments not included in (1), calculated using the municipal bond rate.

Therefore, if plan investments in a given future year are greater than projected benefit payments in that year and are invested such that they are expected to earn the long-term rate of return, the discount rate applied to projected benefit payments in that year should be the long-term expected rate of return on plan investments. If future years exist where this is not the case, then an index rate reflecting the yield on a 20-year, tax-exempt municipal bond should be used to discount the projected benefit payments for those years.

The determination of a future date when plan investments are not sufficient to pay projected benefit payments is often referred to as a depletion date projection. A depletion date projection compares projections of the pension plan's fiduciary net position to projected benefit payments and aims to determine a future date, if one exists, when the fiduciary net position is projected to be less than projected benefit payments.

In order to determine the discount rate to be used by LACERA we have shown the projection of Fiduciary Net Position in the following exhibit ("Projection of Fiduciary Net Position").

Since the projected fiduciary net position is projected to be sufficient to pay projected benefit payments in all future years, the discount rate for purposes of calculating the total pension liability and net pension liability of LACERA is equal to the long-term assumed rate of return on investments. This long-term assumed rate of return should be net of investment expenses, but gross of administrative expenses for GASB 67 and 68 purposes. Therefore, we have used a discount rate of 7.13%. This rate reflects the long-term assumed rate of return on assets for funding purposes of 7.00%, net of all expenses, increased by 0.13% to be gross of administrative expenses.

Projection of Fiduciary Net Position

$ Thousands

Fiscal Year Ending	Projected Beginning Fiduciary Net Position (a)	Projected Total Contributions (b)	Projected Benefit Payments (c)	Projected Administrative Expenses (d)	Projected Investment Earnings (e)	Projected Ending Fiduciary Net Position (a)+(b)-(c)-(d)+(e)
2024	$73,851,886	$3,114,956	$4,560,978	$96,007	$5,211,613	$77,521,469
2025	77,521,469	3,139,963	4,787,133	100,778	5,466,039	81,239,561
2026	81,239,561	3,161,313	5,017,991	105,611	5,723,629	85,000,901
2027	85,000,901	3,182,258	5,257,460	110,501	5,983,985	88,799,182
2028	88,799,182	3,207,670	5,501,078	115,439	6,246,985	92,637,320
2029	92,637,320	3,231,917	5,750,211	120,429	6,512,590	96,511,188
2030	96,511,188	3,254,460	6,003,304	125,465	6,780,543	100,417,422
2031	100,417,422	3,277,245	6,260,867	130,543	7,050,654	104,353,911
2032	104,353,911	3,299,064	6,522,072	135,660	7,322,759	108,318,001
2033	108,318,001	3,320,204	6,786,308	140,813	7,596,701	112,307,784
2034	112,307,784	3,340,406	7,049,674	146,000	7,872,471	116,324,986
2044	145,085,700	993,819	9,705,137	188,611	10,032,790	146,218,561
2054	143,580,611	324,484	11,772,291	186,655	9,829,670	141,775,820
2064	116,887,570	21,077	10,938,059	151,954	7,946,270	113,764,905
2074	90,772,883	118	7,614,088	118,005	6,201,207	89,242,115
2084	92,246,599	0	3,612,299	119,921	6,446,420	94,960,799
2094	148,193,339	0	783,266	192,651	10,531,993	157,749,414
2104	286,060,466	0	46,370	371,879	20,381,457	306,023,675
2114	562,231,330	0	1,825	730,901	40,061,422	601,560,026

Changes in Net Pension Liability

$ Thousands

Changes in Net Pension Liability	Total Pension Liability (a)	Increase (Decrease) Plan Fiduciary Net Position (b)	Net Pension Liability (a) - (b)
Balances as of June 30, 2022	$83,931,424	$70,289,612	$13,641,812
Changes for the year:			
Service cost	1,635,318	0	1,635,318
Interest on total pension liability	5,950,906	0	5,950,906
Effect of plan changes	0	0	0
Effect of economic/demographic (gains) or losses	377,821	0	377,821
Effect of assumption changes or inputs	855,336	0	855,336
Benefit payments	(4,237,951)	(4,237,951)	0
Refunds of contributions	(43,412)	(43,412)	0
Administrative expenses	0	(97,015)	97,015
Member contributions (1)	0	793,244	(793,244)
Employer contributions (1)	0	2,301,706	(2,301,706)
Contributions from Metropolitan Transportation Authority	0	0	0
CalPERS transfer	0	0	0
Net investment income (2)	0	4,841,151	(4,841,151)
Net miscellaneous income	0	4,551	(4,551)
Balances as of June 30, 2023	88,469,442	73,851,886	14,617,556

Sensitivity Analysis

The following presents the net pension liability of LACERA, calculated using the discount rate of 7.13%, as well as what LACERA's net pension liability would be if it were calculated using a discount rate that is one percentage point lower (6.13%) or one percentage point higher (8.13%) than the current rate.

	1% Decrease 6.13%	Current Discount Rate 7.13%	1% Increase 8.13%
Total pension liability	$100,194,067	$88,469,442	$78,750,275
Fiduciary net position	73,851,886	73,851,886	73,851,886
Net pension liability	26,342,181	14,617,556	4,898,389

1. In accordance with GASB 82, employer pick-up contributions are classified as member contributions.

2. Net investment income includes an adjustment of $15,135,017 related to LACERA's investment staff salaries and other expenses.

Schedule of Changes in Net Pension Liability and Related Ratios

$ Thousands

	Fiscal Year Ending June 30									
	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014
Total Pension Liability										
Service cost	$1,635,318	$1,583,222	$1,499,597	$1,301,460	$1,239,396	$1,220,274	$1,106,755	$1,069,328	$1,024,288	$1,009,834
Interest on total pension Liability	5,950,906	5,696,846	5,433,409	5,154,164	4,916,804	4,699,493	4,393,712	4,214,834	4,073,299	3,957,030
Effect of plan changes	0	0	0	0	0	0	0	0	0	0
Effect of assumption changes or inputs	855,336	0	0	2,626,103	0	0	3,079,892	0	0	0
Effect of economic/demographic (gains) or losses	377,821	392,019	605,566	794,955	502,989	309,149	(47,506)	(437,039)	(736,010)	0
CalPERS transfer	0	0	0	0	0	0	0	0	332	0
Benefit payments and refund of contributions	(4,281,363)	(4,044,567)	(3,814,262)	(3,606,340)	(3,407,155)	(3,203,375)	(3,029,633)	(2,889,186)	(2,768,410)	(2,662,401)
Net change in total pension liability	4,538,018	3,627,520	3,724,310	6,270,342	3,252,034	3,025,541	5,503,220	1,957,937	1,593,499	2,304,463
Total pension liability, beginning	83,931,424	80,303,904	76,579,594	70,309,252	67,057,218	64,031,677	58,528,457	56,570,520	54,977,021	52,672,558
Total pension liability, ending (a)	88,469,442	83,931,424	80,303,904	76,579,594	70,309,252	67,057,218	64,031,677	58,528,457	56,570,520	54,977,021
Fiduciary Net Position										
Employer contributions [1]	$2,301,706	$2,199,889	$2,012,877	$1,800,137	$1,668,151	$1,524,823	$1,331,357	$1,403,709	$1,455,718	$1,281,795
Contributions from Metropolitan Transportation Authority	0	0	0	0	0	0	2	3	25	0
CalPERS transfer	0	0	0	0	0	0	0	0	332	0
Member contributions [1]	793,244	758,632	760,994	659,296	635,415	591,262	526,579	498,083	480,158	477,648
Investment income net of investment expenses	4,841,151	(1,554,155)	15,615,699	1,432,547	3,163,618	4,705,949	6,129,300	80,588	1,989,358	6,910,439
Miscellaneous income	4,551	3,898	2,680	1,985	5,626	5,163	6,182	2,792	1,483	0
Benefit payments and refund of contributions	(4,281,363)	(4,044,567)	(3,814,262)	(3,606,340)	(3,407,155)	(3,203,375)	(3,029,633)	(2,889,186)	(2,768,410)	(2,662,401)
Administrative expenses	(97,015)	(86,111)	(76,370)	(72,054)	(70,800)	(67,491)	(66,830)	(67,645)	(62,591)	(58,723)
Net change in plan fiduciary net position	3,562,274	(2,722,414)	14,501,618	215,571	1,994,855	3,556,331	4,896,957	(971,656)	1,096,073	5,948,758
Fiduciary net position, beginning	70,289,612	73,012,026	58,510,408	58,294,837	56,299,982	52,743,651	47,846,694	48,818,350	47,722,277	41,773,519
Fiduciary net position, ending (b)	73,851,886	70,289,612	73,012,026	58,510,408	58,294,837	56,299,982	52,743,651	47,846,694	48,818,350	47,722,277
Net pension liability, ending = (a) - (b)	$14,617,556	$13,641,812	$7,291,878	$18,069,186	$12,014,415	$10,757,236	$11,288,026	$10,681,763	$7,752,170	$7,254,744
Fiduciary net position as a % of total pension liability	83.48%	83.75%	90.92%	76.40%	82.91%	83.96%	82.37%	81.75%	86.30%	86.80%
Covered payroll [2]	$9,425,690	$9,100,791	$9,062,051	$8,724,151	$8,370,050	$7,957,981	$7,637,032	$7,279,777	$6,949,420	$6,672,886
Net pension liability as a % of covered payroll	155.08%	149.90%	80.47%	207.12%	143.54%	135.18%	147.81%	146.73%	111.55%	108.72%

1. In accordance with GASB 82, employer pick-up contributions are classified as member contributions.
2. In accordance with GASB 82, covered payroll is the payroll on which contributions are based.

Schedule of Employer Contributions

Fiscal Year Ending June 30	Actuarially Determined Contribution	Actual Employer Contribution	Contribution Deficiency (Excess)	Covered Payroll [1]	As a % of Covered Payroll: Actuarially Determined Contribution	As a % of Covered Payroll: Actual Employer Contribution
2014	$1,281,795	$1,281,795	$0	$6,672,886	19.21%	19.21%
2015	1,455,718	1,455,718	0	6,949,420	20.95%	20.95%
2016	1,403,709	1,403,709	0	7,279,777	19.28%	19.28%
2017	1,331,357	1,331,357	0	7,637,032	17.43%	17.43%
2018	1,524,823	1,524,823	0	7,957,981	19.16%	19.16%
2019	1,668,151	1,668,151	0	8,370,050	19.93%	19.93%
2020	1,800,137	1,800,137	0	8,724,151	20.63%	20.63%
2021	2,012,877	2,012,877	0	9,062,051	22.21%	22.21%
2022	2,199,889	2,199,889	0	9,100,791	24.17%	24.17%
2023	2,301,706	2,301,706	0	9,425,690	24.42%	24.42%

1 *In accordance with GASB 82, covered payroll is the payroll on which contributions are based.*

Actuarial Methods and Assumptions

All actuarial methods and assumptions used to calculate Net Pension Liability are the same as used in the June 30, 2022 funding valuation, except as noted below and throughout this report. Please see the Actuarial Valuation of Retirement Benefits report dated February 16, 2023 for further details. The assumptions are reviewed annually for continued compliance with the relevant actuarial standards of practice.

Actuarial Cost Method	Individual Entry Age
Asset Valuation Method	Fair market value
Investment Rate of Return	7.13% [1]
Inflation	2.75%
Cost of Living Adjustments	As noted in the June 30, 2022 actuarial valuation, with one modification: STAR COLA benefits are assumed to be substantively automatic at the 80% purchasing power level until the STAR reserve is projected to be insufficient to pay further STAR benefits [2]
Mortality	Various rates based on Pub-2010 mortality tables and using MP-2021 Ultimate Projection Scale. See June 30, 2022 funding valuation for details.

Service Cost and Interest Cost components of Pension Expense are determined based on the results of the actuarial valuation that determined the beginning Net Pension Liability. Therefore, those components are determined based on the actuarial methods and assumptions described in the June 30, 2022 GASB 67 Disclosure Report dated October 12, 2022.

The following assumptions and methods are relevant to the GASB 68 valuation and are included here for completeness.

Recognition of Inflows / Outflows	
Investment gains or losses	Straight line amortization over five years
Economic/demographic gains or losses	Straight line amortization over expected working life
Assumption changes or inputs	Straight line amortization over expected working life
Basis of Contribution Requirements	Actuarially determined contribution rates are calculated as of each June 30, two years prior to the end of the fiscal year in which the contributions are reported. Assets are valued using a five year smoothed method based on the difference between expected market value and actual market value. The recognition method is non-asymptotic, and there is no minimum or maximum corridor applied. The Unfunded Actuarial Accrued Liability (UAAL) is amortized as a level percentage of pay. Effective June 30, 2019 existing UAAL layers as of June 30, 2018 are amortized over their remaining periods, not to exceed 22 years. Each new layer effective on or after June 30, 2019 is amortized over a 20-year period. The UAAL contribution rate calculated in the June 30, 2022 funding valuation includes 14 layers.

1. Differs from actuarial valuation due to addition of administrative expense load of 0.13%.
2. Differs from actuarial valuation due to inclusion of future liability for STAR COLA benefits.

Glossary

Actuarially Determined Contribution	A target or recommended contribution to a defined benefit pension plan for the reporting period, determined based on the funding policy and most recent measurement available when the contribution for the reporting period was adopted.
Deferred Inflows/Outflows of Resources	Portion of changes in net pension liability that is not immediately recognized in Pension Expense. These changes include differences between expected and actual experience, changes in assumptions, and differences between expected and actual earnings on plan investments.
Discount Rate	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 sum of: 1) The actuarial present value of benefit payments projected to be made in future periods where the plan assets are projected to be sufficient to meet benefit payments, calculated using the Long-Term Expected Rate of Return. 2) The actuarial present value of projected benefit payments not included in (1) above, calculated using the Municipal Bond Rate.
Fiduciary Net Position	Equal to market value of assets minus liabilities.
Long-Term Expected Rate of Return	Long-term expected rate of return on pension plan investments expected to be used to finance the payment of benefits, net of investment expenses.
Money-Weighted Rate of Return	The internal rate of return on pension plan investments, net of investment expenses.
Municipal Bond Rate	Yield or index rate for 20-year, tax-exempt general obligation municipal bonds with an average rating of AA/Aa or higher.
Net Pension Liability	Total Pension Liability minus the Plan's Fiduciary Net Position.
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 expected future service.
Service Cost	The portion of the actuarial present value of projected benefit payments that is attributed to a valuation year.
Total Pension Liability	The portion of actuarial present value of projected benefit payments that is attributable to past periods of member service using the Entry Age cost method based on the requirements of GASB 67 and 68.