

Public Employees' Retirement System of Mississippi



GASB Statement No. 68 Report

**Prepared for June 30, 2025
Financial Reporting**



November 3, 2025

Board of Trustees
Public Employees' Retirement System of Mississippi
429 Mississippi Street
Jackson, MS 39201-1005

Ladies and Gentlemen:

Presented in this report is information to assist the employers participating in the Public Employees' Retirement System of Mississippi (PERS) in meeting the requirements of the Governmental Accounting Standards Board (GASB) Statement No. 68 as a result of their participation in PERS. The information is presented for the period ending June 30, 2025.

GASB Statement No. 68 establishes accounting and financial reporting requirements for governmental employers who provide pension benefits to their employees through a trust.

The annual actuarial valuation used as a basis for much of the information presented in this report was performed as of June 30, 2024. The valuation was based upon data, furnished by the Retirement System staff, concerning active, inactive, and retired members along with pertinent financial information. The valuation results depend on the integrity of the data. If any of the information is inaccurate or incomplete, our results may be different and our calculations may need to be revised. Please see the actuarial valuation for additional details on the funding requirements for the System.

To the best of our knowledge, the information contained in this report is complete and accurate. The calculations were performed by qualified actuaries according to generally accepted actuarial principles and practices, as well as in conformity with Actuarial Standards of Practice issued by the Actuarial Standards Board.

In order to prepare the results in this report, we have utilized actuarial models that were developed to measure liabilities and develop actuarial costs. These models include tools that we have produced and tested, along with commercially available valuation software that we have reviewed to confirm the appropriateness and accuracy of the output. In utilizing these models, we develop and use input parameters and assumptions about future contingent events along with recognized actuarial approaches to develop the needed results.



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The calculations are based on the current provisions of the System, and on actuarial assumptions that are, individually and in the aggregate, internally consistent and reasonably based on the actual experience of the System. In addition, the calculations were completed in compliance with the laws governing the System and, in our opinion, meet the requirements of GASB 68. Edward Koebel and Wendy Ludbrook are members of the American Academy of Actuaries and meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinions contained herein.

These results are only for financial reporting and may not be appropriate for funding purposes or other types of analysis. Calculations for purposes other than satisfying the requirements of GASB 68 may produce significantly different results. Future actuarial results may differ significantly from the current results presented in this report due to such factors as changes in plan experience or changes in economic or demographic assumptions.

Respectfully submitted,

A handwritten signature in blue ink that reads "Edward J. Koebel".

Edward J. Koebel, FCA, EA, MAAA
Chief Executive Officer

A handwritten signature in blue ink that reads "Wendy Ludbrook".

Wendy Ludbrook, FSA, EA, FCA, MAAA
Consulting Actuary



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SECTION I – SUMMARY OF PRINCIPAL RESULTS

(\$ IN THOUSANDS)	2025
Valuation Date (VD):	June 30, 2024
Measurement Date (MD):	June 30, 2025
Reporting Date (RD):	June 30, 2025
Membership Data:	
Retirees and Survivors	118,321
Terminated Vested Employees	17,155
Inactive Nonvested Members	83,811
Active Members	<u>145,836</u>
Total	365,123
Single Equivalent Interest Rate (SEIR):	
Long-Term Expected Rate of Return	7.00%
Municipal Bond Index Rate	5.25%
Fiscal Year in which Plan's Fiduciary Net Position is projected to be depleted from future benefit payments for current members	N/A
Single Equivalent Interest Rate	7.00%
Net Pension Liability:	
Total Pension Liability (TPL)	\$ 60,985,784
Fiduciary Net Position (FNP)	<u>35,602,887</u>
Net Pension Liability (NPL = TPL – FNP)	\$ 25,382,897
FNP as a percentage of TPL	58.38%
Collective Pension Expense:	\$ 2,969,274
Deferred Outflows of Resources:	\$ 1,817,463
Deferred Inflows of Resources:	\$ (851,745)





SECTION II – INTRODUCTION FOR EMPLOYERS

The Governmental Accounting Standards Board issued Statement No. 68 (GASB 68), “Accounting and Financial Reporting for Pensions”, in June 2012. GASB Statement No. 71, “Pension Transition for Contributions Made Subsequent to the Measurement Date”, should be applied simultaneously with the provisions of GASB 68. The Public Employees’ Retirement System of Mississippi (PERS) is a cost-sharing multiple employer defined benefit pension plan.

This report, prepared as of June 30, 2025 (the Measurement Date), presents information to assist the employers participating in PERS in meeting the requirements of GASB 68 for the fiscal year ending June 30, 2025 (Reporting Date). The material provided in this report is based on the data we received to prepare the annual actuarial valuation of the Public Employees’ Retirement System of Mississippi as of June 30, 2024. The results of the June 30, 2024 valuation were detailed in a report dated November 17, 2024 and the results of the experience study were detailed in a report dated April 16, 2025.

Two major items in GASB 68 are the requirements to include a proportionate share of a Net Pension Liability (NPL) and to recognize a proportionate share of a Pension Expense (PE) in the financial statements of each of the participating employers.

Pension Expense includes amounts for service cost (the Normal Cost under Entry Age Normal (EAN) for the year), interest on the Total Pension Liability (TPL), changes in benefit structure, amortization of increases/decreases in liability due to actuarial experience and actuarial assumption changes, and amortization of investment gains/losses. The actuarial experience and assumption change impacts are amortized over the average expected remaining service life of the PERS membership as of the Measurement Date, and investment gains/losses are amortized over five years. The development of the collective PE is shown in Section VI.

The unamortized portions of each year’s experience, assumption changes and investment gains/losses are used to develop deferred inflows and outflows, which also must be included on the employer’s financial statement. The development of these collective deferrals is presented in Section VII.

Among the assumptions needed for the liability calculation is a Single Equivalent Interest Rate (SEIR). To determine the SEIR, the FNP must be projected into the future for as long as there are anticipated benefits payable under the plan’s provision applicable to the membership and beneficiaries of the System on the Measurement Date. Future contributions were projected to be made in accordance with the Funding Policy adopted by the Board. If the FNP is not projected to be depleted at any point in the future, as the results currently indicate, the long-term expected rate of return on plan investments expected to be used to finance the benefit payments may be used as the SEIR.





SECTION II – INTRODUCTION FOR EMPLOYERS

If, however, at a future measurement date the FNP is projected to be depleted, the SEIR is determined as the single rate that will generate a present value of benefit payments equal to the sum of the present value determined by discounting all projected benefit payments through the date of depletion by the long-term expected rate of return, and the present value determined by discounting those benefits after the date of depletion by a 20-year tax-exempt municipal bond (rating AA/Aa or higher) rate. The rate used, if necessary, for this purpose is the monthly average of the Bond Buyers General Obligation 20-year Municipal Bond Index Rate (formerly published monthly by the Board of Governors of the Federal Reserve System). We have determined that the FNP is projected to not be depleted during the projection period and a discount rate of 7.00 percent as of June 30, 2025 will meet the requirements of GASB 68.

Employers in a cost sharing plan, such as PERS, are required to measure their proportionate share of NPL, PE and deferred outflows/inflows of resources for financial reporting. Although GASB 68 allows multiple bases for determining the proportionate share, PERS has chosen to provide a measure of the relationship between the employer's annual contributions and total, or collective, employer contributions as the basis for determining proportionate share.

The FNP projections are based upon the System's financial status on the Measurement Date, the indicated set of methods and assumptions, and the requirements of GASB 67 and 68. As such, the FNP projections are not reflective of the cash flows and asset accumulations that would occur on an ongoing plan basis, reflecting the impact of future members. Therefore, the results of this test do not necessarily indicate whether or not the fund will actually run out of money, the financial condition of the System, or the System's ability to make benefit payments in future years.

The sections that follow provide the results of all the necessary calculations, as well as additional disclosure items needed as Required Supplementary Information (RSI) or for required financial statement footnotes. Amounts are stated at the collective level and employers should apply their proportionate share percentage to obtain their financial reporting information. Employers may also refer to the 2025 PERS Annual Comprehensive Financial Report on the PERS website, www.PERS.ms.gov for collective calculations and note disclosure.





SECTION III – MEMBERSHIP DATA

Data regarding the membership of PERS for use as a basis for the actuarial valuation and the GASB 68 requirements were furnished by the System office. The following table summarizes the membership of the System as of June 30, 2024.

Membership

	Number
Retired Members or Beneficiaries Currently Receiving Benefits	118,321
Inactive Members Assumed Eligible for a Benefit at Retirement Date	17,155
Inactive Members Assumed Not to Receive Service Retirement Benefits	83,811
Active Members	<u>145,836</u>
Total	365,123





SECTION IV – NOTES TO FINANCIAL STATEMENTS

The actuarial assumptions utilized in developing the TPL are outlined in Schedule A. The TPL as of June 30, 2025 was determined by an actuarial valuation prepared as of June 30, 2024. The following actuarial assumptions are applied to all periods included in the measurement:

Inflation	2.40 percent
Salary increases	2.65 – 17.90 percent, including inflation
Investment rate of return	7.00 percent, net of pension plan investment expense, including inflation

Mortality rates for service retirees were based on the PubS-2010(B) Retiree Table with the following adjustments: For males, 107% of all rates. For females, 97% of female rates up to age 82, 100% for ages 83 to 87 and 110% for ages above 87. Mortality rates for disability retirees were based on the PubG-2010 Disabled Table set forward 1 year and adjusted 134% for males and set forward 2 years and adjusted 125% for females. Mortality rates for Contingent Annuitants were based on the PubS-2010(B) Contingent Annuitant Table, set forward 3 years for males and set forward 2 years for females. Mortality rates will be projected generationally using the MP-2021 projection scale to account for future improvements in life expectancy.

The actuarial assumptions used for the purposes of determining the TPL were based on the results of an actuarial experience study for the period July 1, 2020 to June 30, 2024. The experience report is dated April 16, 2025.

The long-term expected rate of return on pension plan investments was determined using a log-normal distribution analysis in which best-estimate ranges of expected future real rates of return (expected nominal returns, net of pension plan investment expense and the assumed rate of 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.





SECTION IV – NOTES TO FINANCIAL STATEMENTS

The most recent target asset allocation and best estimates of arithmetic real rates of return for each major asset class are summarized in the following table:

Asset Class	Target Allocation	Long-Term Expected Real Rate of Return*
Domestic Equity	27.00%	4.75%
International Equity	20.00	4.75
Global Equity	12.00	4.95
Fixed Income	20.00	2.25
Real Estate	10.00	3.75
Private Equity	10.00	6.00
Cash Equivalents	<u>1.00</u>	0.50
Total	100.00%	

* Net of Inflation

Discount Rate - The discount rate used to measure the total pension liability was 7.00 percent. The projection of cash flows used to determine the discount rate assumed that plan member contributions will be made at the current contribution rate (9.00 percent) and that employer contributions will be phased in to 19.90 percent over five fiscal years (17.90 percent for FYE 2025, 18.40 percent for FYE 2026, 18.90 percent for FYE 2027, 19.40 percent for FYE 2028, 19.90 percent for FYE 2029 and beyond). Based on those assumptions, the pension 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 pension plan investments was applied to all periods of projected benefit payments to determine the total pension liability.

Plan Description - PERS is a defined benefit cost-sharing plan administered by the PERS System that provides retirement benefits to all eligible employees. Membership in PERS is a condition of employment granted upon hiring for qualifying employees including officials of the State of Mississippi (the State), state universities, community and junior colleges, and teachers and employees of the public school districts, and other public employees whose employers have elected to participate. For those persons employed by political subdivisions and instrumentalities of the State, membership is contingent upon approval of the entity's participation in PERS by the System's Board of Trustees. Members and employers are statutorily required to contribute certain percentages of salaries and wages as specified by the Board of Trustees. Current rates are 17.90 percent for employers and 9.00 percent for members. PERS employers contributed \$1,427.9 million and members contributed \$704.6 million for fiscal year 2025.





SECTION IV – NOTES TO FINANCIAL STATEMENTS

A member who terminates employment from all covered employers and who is not eligible to receive monthly retirement benefits may request a full refund of his or her accumulated member contributions plus interest. Upon withdrawal of contributions, a member forfeits service credit represented by those contributions. Participating members who are vested and retire at or after age 60 or those who retire regardless of age with at least 30 years of creditable service (25 years of creditable service for employees who became members of PERS before July 1, 2011) are entitled, upon application, to an annual retirement allowance payable monthly for life in an amount equal to 2.0 percent of their average compensation for each year of creditable service up to and including 30 years (25 years for those who became members of PERS before July 1, 2011), plus 2.5 percent for each additional year of creditable service with an actuarial reduction in the benefit for each year of creditable service below 30 years or the number of years in age that the member is below 65, whichever is less. Average compensation is the average of the employee's earnings during the four highest compensated years of creditable service. A member may elect a reduced retirement allowance payable for life with the provision that, after death, a beneficiary receives benefits for life or for a specified number of years. Benefits vest upon completion of eight years of membership service (four years of membership service for those who became members of PERS before July 1, 2007). PERS also provides certain death and disability benefits. In the event of death prior to retirement of any member whose spouse and/or children are not entitled to a retirement allowance, the deceased member's accumulated contributions and interest are paid to the designated beneficiary.

A Cost-of-Living Adjustment (COLA) payment is made to eligible retirees and beneficiaries. The COLA is equal to 3.0 percent of the annual retirement allowance for each full fiscal year of retirement up to the year in which the retired member reaches age 60 (55 for those who became members of PERS before July 1, 2011), with 3.0 percent compounded for each fiscal year thereafter.

Plan provisions and the Board of Trustees' authority to determine contribution rates are established by Miss. Code Ann. § 25-11-1 et seq., (1972, as amended) and may be amended only by the Mississippi Legislature. The PERS plan financial report is included in the Annual Comprehensive Financial Report of the Public Employees' Retirement System available at www.PERS.ms.gov.





SECTION V – COLLECTIVE NET PENSION LIABILITY

As stated previously, the NPL is equal to the TPL minus the FNP. That result as of June 30, 2025 is presented in the table below, along with additional required figures (\$ thousands). Note that the following tables are stated at the collective level and require adjustment to reflect individual employer's information.

June 30, 2025	
Total Pension Liability	\$60,985,784
Fiduciary Net Position	<u>35,602,887</u>
Net Pension Liability	\$25,382,897
Ratio of Fiduciary Net Position to Total Pension Liability	58.38%
Covered payroll	\$7,442,321
Net Pension Liability as a percentage of covered payroll	341.06%

In addition to the results in the table above, the sensitivity of the NPL to changes in the discount rate must be disclosed. The following presents the NPL of PERS, calculated using the discount rate of 7.00 percent, as well as what the PERS NPL would be if it were calculated using a discount rate that is 1-percentage-point lower (6.00 percent) or 1-percentage-point higher (8.00 percent) than the current rate (\$ thousands):

	1% Decrease (6.00%)	Current Discount Rate (7.00%)	1% Increase (8.00%)
System's Net Pension Liability	\$33,006,841	\$25,382,897	\$19,120,263





SECTION V – COLLECTIVE NET PENSION LIABILITY

The following table details the changes in the NPL from the beginning to the end of the measurement year.

CHANGES IN THE NET PENSION LIABILITY
(\$ in Thousands)

	Total Pension Liability (a)	Plan Fiduciary Net Position (b)	Net Pension Liability (a) - (b)
Balances at June 30, 2024	<u>\$59,417,269</u>	<u>\$33,449,843</u>	<u>\$25,967,426</u>
Changes for the year:			
Service cost	852,044		852,044
Interest	4,031,989		4,031,989
Benefit changes	0		0
Difference between expected and actual experience	659,603		659,603
Change in Assumptions	(340,260)		(340,260)
Contributions - employer		1,427,901	(1,427,901)
Contributions - employee		704,575	(704,575)
Net investment income		3,673,648	(3,673,648)
Benefit payments, including refunds of employee contributions	(3,634,861)	(3,634,861)	0
Administrative expense		(18,605)	18,605
Other changes	0	386	(386)
Net changes	<u>1,568,515</u>	<u>2,153,044</u>	<u>(584,529)</u>
Balances at June 30, 2025	<u>\$60,985,784</u>	<u>\$35,602,887</u>	<u>\$25,382,897</u>





SECTION VI – COLLECTIVE PENSION EXPENSE

As noted earlier, the collective Pension Expense (PE) consists of a number of different items. GASB 68 refers to the first as Service Cost which is the Normal Cost using the Entry Age Normal (EAN) actuarial funding method. The second item is interest on the beginning of year TPL and the cash flow during the year at the 7.00% rate of return in effect as of the previous Measurement Date.

The next three items refer to any change that occurred in the TPL under EAN due to benefit changes, actual experience, or assumptions. Benefit changes, which are reflected immediately in PE can be positive, if there is a benefit improvement for existing PERS members, or negative if there is a benefit reduction. For the year ended June 30, 2025, there were no benefit changes to be recognized.

The next item to be recognized is the portion of current year changes in TPL due to Plan experience. The portion to recognize in the current year is determined by spreading the total change over the remaining service life of the entire PERS membership. For the year ended June 30, 2025, the remaining service life is 3.48.

The last item under changes in TPL is changes in actuarial assumptions. There were changes in assumptions since the last Measurement Date based on an actuarial experience study for the period July 1, 2020 to June 30, 2024. The change in TPL due to changes in actuarial assumptions is spread over the remaining service life of the entire PERS membership just like Plan experience in the prior paragraph.

Member contributions for the year and projected earnings on the FNP, again at the rate used to calculate the liabilities are subtracted from the amount determined thus far. One-fifth of current period differences between actual and projected earnings on the FNP are recognized in the pension expense.

The current year portions of previously determined experience, assumption, and earnings amounts, recognized as deferred outflows and inflows (see Section VII) are included next. Finally, administrative expenses and other miscellaneous items are included.

The calculation of the Collective Pension Expense for the year ended June 30, 2025 is shown in the following table.





SECTION VI – COLLECTIVE PENSION EXPENSE

For the Year Ended June 30, 2025
(\$ in Thousands)

Service Cost	\$852,044
Interest on the total pension liability	4,031,989
Current-period benefit changes	0
Expensed portion of current-period difference between expected and actual experience in the total pension liability	189,541
Expensed portion of current-period changes of assumptions	(97,776)
Member contributions	(704,575)
Projected earnings on plan investments	(2,288,268)
Expensed portion of current-period differences between actual and projected earnings on plan investments	(277,076)
Administrative expense	18,605
Other	(386)
Recognition of beginning deferred outflows of resources as pension expense	1,658,167
Recognition of beginning deferred inflows of resources as pension expense	<u>(412,991)</u>
Collective Pension Expense	<u>\$2,969,274</u>





SECTION VII – COLLECTIVE DEFERRED OUTFLOWS/INFLOWS

Since certain expense items are amortized over closed periods each year, the deferred portions of these items must be tracked annually. If the amounts serve to reduce pension expense, they are labeled deferred inflows. If they will increase pension expense, they are labeled deferred outflows. As noted in the previous section, the amortization of these amounts is accomplished on a level dollar basis, with no interest included in the deferred amounts. Experience gains/losses and the impact of changes in actuarial assumptions, if any, are amortized over the average remaining service life of the active and inactive PERS members at the beginning of the fiscal year. Investment gains and losses are amortized over a fixed five-year period.

The table below provides a summary of the collective deferred outflows and inflows (in thousands) as of June 30, 2025 (Measurement Date).

	Deferred Outflows of Resources	Deferred Inflows of Resources
Differences between expected and actual experience	\$1,220,629	\$0
Changes of assumptions	596,834	242,484
Net difference between projected and actual earnings on plan investments	0	609,261
Employer contributions subsequent to the measurement date	<u>See note</u>	0
Total	<u>\$1,817,463</u>	<u>\$851,745</u>

Note: The deferred outflow of resources reported by an employer should include contributions made by the employer during its fiscal year that will be reflected in the net pension liability in the next measurement period.

Amortization periods for fiscal year 2026 are 3.48 for the average expected remaining service life of members and 5.0 years for investment gains/losses.

PERS will provide current year collective information. In order to properly report PE and deferred outflows/inflows of resources in future years, it will be necessary for employers to maintain schedules for amortizing deferred amounts.





SECTION VII – COLLECTIVE DEFERRED OUTFLOWS/INFLOWS

Amounts reported as deferred outflows of resources related to pensions resulting from employer contributions subsequent to the measurement date will be recognized as a reduction of the net pension liability in the year ended June 30, 2025 (Reporting Date). Other amounts reported as deferred outflows of resources and deferred inflows of resources related to pensions will be recognized in pension expense.

Collective Deferred Outflows and Inflows between Expected and Actual Experience (\$ in thousands)					
Year	Experience Losses (a)	Experience Gains (b)	Amounts Recognized in Pension Expense through 2025 (c)	Balances as of June 30, 2026 (Reporting Date)	
				Deferred Outflows (a) - (c)	Deferred Inflows (b) - (c)
2025	\$659,603	\$0	\$189,541	\$470,062	\$0
2024	1,471,228	0	831,202	640,026	0
2023	672,606	0	562,065	110,541	0
2022	222,910	0	222,910	0	0
2021	181,270	0	181,270	0	0
Total				\$1,220,629	\$0

Collective Deferred Outflows and Inflows for Differences from Assumption Changes (\$ in thousands)					
Year	Assumption Losses (a)	Assumption Gains (b)	Amounts Recognized in Pension Expense through 2025 (c)	Balances as of June 30, 2026 (Reporting Date)	
				Deferred Outflows (a) - (c)	Deferred Inflows (b) - (c)
2025	\$0	\$340,260	\$97,776	\$0	\$242,484
2024	0	0	0	0	0
2023	3,631,586	0	3,034,752	596,834	0
2022	0	0	0	0	0
2021	1,469,257	0	1,469,257	0	0
Total				\$596,834	\$242,484





SECTION VII – COLLECTIVE DEFERRED OUTFLOWS/INFLOWS

Collective Deferred Outflows and Inflows for Differences in Investment Experience (\$ in thousands)					
Year	Investment Losses (a)	Investment Gains (b)	Amounts Recognized in Pension Expense through 2025 (c)	Balances as of June 30, 2026 (Reporting Date)	
				Deferred Outflows (a) - (c)	Deferred Inflows (b) - (c)
2025	\$0	\$1,385,380	\$277,076	\$0	\$1,108,304
2024	0	1,054,735	421,894	0	632,841
2023	37,392	0	22,434	14,958	0
2022	5,584,622	0	4,467,696	1,116,926	0
2021	0	6,632,222	6,632,222	0	0
Total				\$1,131,884	\$1,741,145
Net difference between projected and actual earnings on investments					\$609,261





SECTION VII – COLLECTIVE DEFERRED OUTFLOWS/INFLOWS

Amortization of Collective Deferrals (\$ in thousands)												
2020 Investment Loss				2020 Experience Loss			2021 Investment Gain		2021 Assumption Change Loss		2021 Experience Loss	
Fiscal Year End	Reporting Year End	Amount Recognized	EOY Balance	Amount Recognized	EOY Balance	Amount Recognized	EOY Balance	Amount Recognized	EOY Balance	Amount Recognized	EOY Balance	
6/30/2025	6/30/2026	(\$256,236)	\$0	\$0	\$0	\$1,326,444	\$1,326,446	(\$333,235)	\$0	(\$41,113)	\$0	
6/30/2026	6/30/2027	0	0	0	0	1,326,446	0	0	0	0	0	0
6/30/2027	6/30/2028	0	0	0	0	0	0	0	0	0	0	0
6/30/2028	6/30/2029	0	0	0	0	0	0	0	0	0	0	0
6/30/2029	6/30/2030	0	0	0	0	0	0	0	0	0	0	0
6/30/2030	6/30/2031	0	0	0	0	0	0	0	0	0	0	0
6/30/2031	6/30/2032	0	0	0	0	0	0	0	0	0	0	0

Amortization of Collective Deferrals (\$ in thousands)												
2022 Investment Loss				2022 Experience Loss			2023 Investment Loss		2023 Assumption Changes Loss		2023 Experience Loss	
Fiscal Year End	Reporting Year End	Amount Recognized	EOY Balance	Amount Recognized	EOY Balance	Amount Recognized	EOY Balance	Amount Recognized	EOY Balance	Amount Recognized	EOY Balance	
6/30/2025	6/30/2026	(\$1,116,924)	(\$2,233,850)	(\$59,761)	(\$43,627)	(\$7,478)	(\$22,436)	(\$1,011,584)	(\$1,608,418)	(\$187,355)	(\$297,896)	
6/30/2026	6/30/2027	(1,116,924)	(1,116,926)	(43,627)	0	(7,478)	(14,958)	(1,011,584)	(596,834)	(187,355)	(110,541)	
6/30/2027	6/30/2028	(1,116,926)	0	0	0	(7,478)	(7,480)	(596,834)	0	(110,541)	0	
6/30/2028	6/30/2029	0	0	0	0	(7,480)	0	0	0	0	0	
6/30/2029	6/30/2030	0	0	0	0	0	0	0	0	0	0	
6/30/2030	6/30/2031	0	0	0	0	0	0	0	0	0	0	
6/30/2030	6/30/2031	0	0	0	0	0	0	0	0	0	0	





SECTION VII – COLLECTIVE DEFERRED OUTFLOWS/INFLOWS

Amortization of Collective Deferrals (\$ in thousands)														
Fiscal Year End	Reporting Year End	2024 Investment Gain		2024 Experience Loss		2025 Experience Loss		2025 Investment Gain		2025 Assumption Changes Gain		Total Deferrals		
		Amount Recognized	EOY Balance	Amount Recognized	EOY Balance	Amount Recognized	EOY Balance	Amount Recognized	EOY Balance	Amount Recognized	EOY Balance	Amount Recognized	EOY Balance	
6/30/2025	6/30/2026	\$210,947	\$843,788	(\$415,601)	(\$1,055,627)	\$0	\$0	\$0	\$0	\$0	\$0	(\$1,891,896)	(\$3,091,620)	
6/30/2026	6/30/2027	210,947	632,841	(415,601)	(640,026)	(189,541)	(470,062)	277,076	1,108,304	97,776	242,484	(\$1,059,865)	(\$965,718)	
6/30/2027	6/30/2028	210,947	421,894	(415,601)	(224,425)	(189,541)	(280,521)	277,076	831,228	97,776	144,708	(\$1,851,122)	\$885,404	
6/30/2028	6/30/2029	210,947	210,947	(224,425)	0	(189,541)	(90,980)	277,076	554,152	97,776	46,932	\$164,353	\$721,051	
6/30/2029	6/30/2030	210,947	0	0	0	(90,980)	0	277,076	277,076	46,932	0	\$443,975	\$277,076	
6/30/2030	6/30/2031	0	0	0	0	0	0	277,076	0	0	0	\$277,076	\$0	
6/30/2030	6/30/2031	0	0	0	0	0	0	0	0	0	0	\$0	\$0	





SECTION VIII – REQUIRED SUPPLEMENTARY INFORMATION

There are several tables of Required Supplementary Information (RSI) that need to be included in the System's financial statements. They are provided in Schedule C. In addition, the following should be noted regarding the RSI.

Changes of assumptions.

- 2025
 - Mortality, withdrawal, disability rates and service retirement rates were adjusted to reflect actual experience more closely.
 - The assumed load for administrative expenses was decreased from 0.26% to 0.25% of payroll.
- 2023
 - The investment rate of return assumption was changed from 7.55% to 7.00%.
 - The assumed load for administrative expenses was decreased from 0.28% to 0.26% of payroll.
 - Withdrawal rates, disability rates and service retirement rates were adjusted to reflect actual experience more closely.
 - The percentage of participants assumed to receive a deferred benefit upon attaining the eligibility requirements for retirement was increased from 60% to 65%.
 - For married members, the number of years that a male is assumed to be older than his spouse was changed from 3 years to 2 years.
 - The assumed amount of unused sick leave at retirement was increased from 0.50 years to 0.55 years.
 - The assumed average number of years of military service that participants will have at retirement was decreased from 0.25 years to 0.20 years.
- 2021
 - The price inflation assumption was reduced from 2.75% to 2.40%.
 - The wage inflation assumption was reduced from 3.00% to 2.65%.
 - The investment rate of return assumption was changed from 7.75% to 7.55%.
 - The assumed load for administrative expenses was increased from 0.25% to 0.28% of payroll.
 - Withdrawal rates, mortality rates, disability rates and service retirement rates were adjusted to reflect actual experience more closely.
 - The percentage of active member disabilities assumed to be in the line of duty was increased from 9% to 12%.
 - The percentage of active member deaths assumed to be in the line of duty was decreased from 6% to 4%.
- 2019
 - The price inflation assumption was reduced from 3.00% to 2.75%.
 - The wage inflation assumption was reduced from 3.25% to 3.00%.
 - Withdrawal rates, mortality rates, and service retirement rates were adjusted to reflect actual experience more closely.





SECTION VIII – REQUIRED SUPPLEMENTARY INFORMATION

- The percentage of active member disabilities assumed to be in the line of duty was increased from 7% to 9%.
- 2017
 - The expectation of retired life mortality was changed to the RP-2014 Healthy Annuitant Blue Collar Mortality Table projected with Scale BB to 2022 rather than projected with Scale BB to 2016, which was used prior to 2017. Small adjustments were also made to the Mortality Table for disabled lives.
 - The wage inflation assumption was reduced from 3.75% to 3.25%.
 - Withdrawal rates, pre-retirement mortality rates, disability rates and service retirement rates were adjusted to reflect actual experience more closely.
 - The percentage of active member disabilities assumed to be in the line of duty was increased from 6% to 7%.
- 2016
 - The assumed rate of interest credited to employee contributions was changed from 3.50% to 2.00%.

Changes in benefit provisions

- 2016
 - Effective July 1, 2016, the interest rate on employee contributions shall be calculated based on the money market rate as published by the Wall Street Journal on December 31 of each preceding year with a minimum rate of one percent and a maximum rate of five percent.

Methods and assumptions used in calculations of actuarially determined contributions. The actuarially determined contribution rates in the schedule of employer contributions are calculated as of June 30, two years prior to the end of the fiscal year in which contributions are reported (June 30, 2023 valuation for the June 30, 2025 fiscal year end). The following actuarial methods and assumptions were used to determine the most recent contribution rate reported in that schedule:

Actuarial cost method	Entry age
Amortization method	Level percentage of payroll, open
Remaining amortization period	24.7 years
Asset valuation method	5-year smoothed market
Price Inflation	2.40 percent
Salary increase	2.65 percent to 17.90 percent, including inflation
Investment rate of return	7.00 percent, net of pension plan investment expense, including inflation





SCHEDULE A – ACTUARIAL ASSUMPTIONS AND METHODS

The combined effect of the assumptions is expected to have no significant bias.

INTEREST RATE: 7.00% per annum, compounded annually (net of investment expense only). The expected return on assets consists of 2.40% price inflation and 4.60% real rate of return.

SEPARATIONS FROM ACTIVE SERVICE: Representative values of the assumed rates of separation from active service are as follows:

Age	Annual Rates of				
	Death*		Disability		
	Male	Female	Male	Female	
20	0.0360%	0.0150%	0.020%	0.020%	
25	0.0390	0.0210	0.020	0.020	
30	0.0428	0.0285	0.020	0.020	
35	0.0503	0.0390	0.020	0.020	
40	0.0660	0.0533	0.060	0.050	
45	0.0945	0.0720	0.110	0.070	
50	0.1850	0.1310	0.180	0.145	
55	0.2730	0.1947	0.280	0.200	
60	0.5016	0.2651	0.220	0.180	
65	0.8400	0.3894	0.200	0.180	
70	1.5684	0.7744	0.200	0.180	
75	2.9316	1.5411	0.200	0.180	
79	7.8576	2.6730	0.200	0.180	

* Adjusted Base Rates

Age	Annual Rates of Withdrawal*											
	Years of Service											
	0		5		10		15		20		24	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
20	40.00%	45.50%	12.50%	13.50%								
25	33.00	35.00	12.50	13.50	6.50%	7.00%						
30	33.00	34.00	12.50	12.50	6.50	7.00	3.50%	4.00%				
35	33.00	29.50	12.00	12.00	6.00	6.00	3.50	4.00	4.00%	2.50%		
40	32.00	27.50	10.50	9.50	6.00	6.00	3.50	4.00	4.00	2.50	4.00%	2.50%
45	32.00	26.00	10.50	8.75	6.00	6.00	3.50	4.00	4.00	3.00	4.00	3.00
50	27.00	26.00	9.00	9.50	6.50	6.00	3.50	4.00	4.00	4.00	4.00	4.00
53+	23.00	23.00	8.50	9.50	6.00	6.00	3.50	4.00	4.00	4.50	4.00	4.50

*Rates stop at eligibility for retirement. For Tier 4, rates at 24 years of service are extended out to 29 years of service.





SCHEDULE A – ACTUARIAL ASSUMPTIONS AND METHODS

Age	Annual Rates of Service Retirements			
	Male		Female	
	Under 25 Years of Service*	25 Years of Service and Over*	Under 25 Years of Service*	25 Years of Service and Over*
45		28.00%		22.75%
50		20.50		16.50
55		20.00		22.25
60	11.75%	19.50	14.75%	22.00
62	18.50	29.00	18.50	27.75
65	26.00	30.00	30.00	39.50
70	21.00	22.00	24.50	26.50
75	18.00	15.00	25.00	21.00
80	100.00	100.00	100.00	100.00

*For Tier 4 members, 30 years of service.

SALARY INCREASES: Representative values of the assumed annual rates of salary increases are as follows:

Service	Annual Rates of		
	Merit & Seniority	Base (Economy)	Increase Next Year
0	15.25%	2.65%	17.90%
1	5.25	2.65	7.90
2	2.75	2.65	5.40
3	1.75	2.65	4.40
4	1.25	2.65	3.90
5-7	0.75	2.65	3.40
8-27	0.25	2.65	2.90
28 and Over	0.00	2.65	2.65





SCHEDULE A – ACTUARIAL ASSUMPTIONS AND METHODS

DEATH AFTER RETIREMENT:

Service Retirees*

<u>Membership Table</u>	<u>Adjustment to Rates</u>	<u>Projection Scale</u>
PubS-2010(B) Retiree	Male: 107% for all ages Female: 97% up to age 82, 100% for ages 83 to 87, and 110% for ages above 87	MP-2021

Contingent Annuitants*

<u>Membership Table</u>	<u>Adjustment to Rates</u>	<u>Projection Scale</u>
PubS-2010(B) Contingent Annuitant	Male: Set forward 3 years Female: Set forward 2 years	MP-2021

Disabled Retirees*

<u>Membership Table</u>	<u>Adjustment to Rates</u>	<u>Projection Scale</u>
PubG-2010 Disabled	Male: Set forward 1 year and 134% for all ages Female: Set forward 2 years and 121% for all ages	MP-2021

*Please note that none of the recommended tables have any setbacks or setforwards.

Representative values of the assumed rates of death after retirement are as follows:

AGE	Rates of Death After Retirement*					
	Service Retirees		Contingent Annuitants		Disabled Retirees	
	Male	Female	Male	Female	Male	Female
45	0.2547%	0.0902%	0.8160%	0.4930%	1.4861%	1.4588%
50	0.3670%	0.1552%	0.9850%	0.5990%	2.2941%	1.9837%
55	0.5307%	0.2677%	1.1470%	0.7820%	2.9493%	2.2913%
60	0.7918%	0.4627%	1.4500%	1.0340%	3.4626%	2.5638%
65	1.2187%	0.7993%	2.0860%	1.4290%	4.2786%	3.0625%
70	2.0886%	1.3793%	3.2210%	2.0940%	5.5114%	4.0488%
75	3.6198%	2.3823%	4.9710%	3.2200%	7.4196%	5.8475%
80	6.2777%	4.1138%	7.8020%	5.1970%	10.6249%	8.9375%
85	10.7728%	7.3240%	12.4680%	8.8570%	15.6485%	13.7675%
90	17.8947%	13.9117%	19.9560%	14.5230%	23.6925%	19.5438%

*Adjusted Base Rates





SCHEDULE A – ACTUARIAL ASSUMPTIONS AND METHODS

PAYROLL GROWTH: 2.65% per annum, compounded annually.

ADMINISTRATIVE EXPENSES: 0.25% of payroll.

TIMING OF DECREMENTS AND PAY INCREASES: Middle of Year.

ASSUMED INTEREST RATE ON EMPLOYEE CONTRIBUTIONS: 2.00%.

ACTIVE MEMBER DISABILITY ASSUMPTION: 12% of active member disabilities are assumed to be in the line of duty and 88% of active member disabilities are assumed to not be in the line of duty.

ACTIVE MEMBER DEATH ASSUMPTION: 4% of active deaths are assumed to be in the line of duty and 96% of active member deaths are assumed to not be in the line of duty.

ACTIVE MEMBER WITHDRAWAL ASSUMPTION: 65% of vested participants who terminate before retirement elect to receive a deferred benefit upon attaining the eligibility requirements for retirement. They are assumed to commence their benefit at age 60 for Tiers 1, 2 and 3 and age 62 for Tier 4. The remaining 35% elect to withdraw their contributions.

FINAL AVERAGE COMPENSATION: 0.25% load on the final average compensation produced by our valuation software.

MARRIAGE ASSUMPTION: 85% married with the husband two years older than his wife.

UNUSED SICK LEAVE: Assumed 0.55 years at retirement.

MILITARY SERVICE: Assumed that participants will have on average 0.20 years of military service at retirement.

MAXIMUM COVERED EARNINGS ASSUMPTION GROWTH: 2.65%

AGE-LIMITED DISABILITY DECREMENTS: Assumed to turn off at age 60.

DEFERRED VESTEDS: Deferred vested benefits are assumed to commence at age 60 for Tiers 1, 2 and 3 and at age 65 for Tier 4.

ASSET VALUATION METHOD: Market Value of Assets.





SCHEDULE A – ACTUARIAL ASSUMPTIONS AND METHODS

VALUATION METHOD: The valuation is prepared on the projected benefit basis, which is used to determine the present value of each member's expected benefit payable at retirement, disability, or death. The calculations are based on the member's age, years of service, sex, compensation, expected future salary increases, and an assumed future interest earnings rate (currently 7.00%). The calculations consider the probability of a member's death or termination of employment prior to becoming eligible for a benefit and the probability of the member terminating with a service, disability, or survivor's benefit. The present value of the expected benefits payable to active members is added to the present value of the expected future payments to current benefit recipients to obtain the present value of all expected benefits payable to the present group of members and survivors.

The employer contributions required to support the benefits of PERS are determined following a level funding approach and consist of a normal contribution and an accrued liability contribution.

Under the entry age normal cost method, the actuarial present value of each member's projected benefits is allocated on a level basis over the member's compensation between the entry age of the member and the assumed exit ages. The portion of the actuarial present value allocated to the valuation year is called the normal cost. The actuarial present value of benefits allocated to prior years of service is called the actuarial liability. The unfunded actuarial liability represents the difference between the actuarial liability and the actuarial value of assets as of the valuation date. The unfunded actuarial liability is calculated each year and reflects experience gains/losses. The accrued liability contribution amortizes the balance of the unfunded actuarial accrued liability over a period of years from the valuation date.





SCHEDULE B – MAIN BENEFIT AND CONTRIBUTION PROVISIONS

The following summary presents the main benefit and contribution provisions of the System in effect June 30, 2025, as interpreted in preparing the actuarial valuation.

DEFINITIONS

Average Compensation	Average annual covered earnings of an employee during the four highest years of service. To determine the four highest years, PERS considers these scenarios: <ul style="list-style-type: none">• Four highest fiscal years of earned compensation;• Four highest calendar years of earned compensation;• Combination of four highest fiscal and calendar years of earned compensation that do not overlap; or• Final 48 months of earned compensation prior to termination of employment.
Covered Earnings	Gross salary not in excess of the maximum amount on which contributions were required.
Fiscal Year	Year commencing on July 1 and ending June 30.
Credited Service	Service while a contributing member plus additional service as described below.
Unused Sick and Vacation Leave	Service credit is provided at no charge to members for unused sick and vacation time that has accrued at the time of retirement. A payment of up to 240 hours of leave may be used in the Average Compensation definition.
Additional Service	Additional service credit may be granted for service prior to February 1, 1953, active duty military service, out-of-state service, professional leave and non-covered and retroactive service





SCHEDULE B – MAIN BENEFIT AND CONTRIBUTION PROVISIONS

The maximum covered earnings for employers and employees for the past ten years are as follows:

EMPLOYER AND EMPLOYEE RATES OF CONTRIBUTION AND MAXIMUM COVERED EARNINGS

Fiscal Date From	Fiscal Date To	Employer Rate	Maximum Covered Earnings	Employee Rate	Maximum Covered Earnings
7/1/14	6/30/15	15.75%	\$260,000	9.00%	\$260,000
7/1/15	6/30/17	15.75	265,000	9.00	265,000
7/1/17	6/30/18	15.75	270,000	9.00	270,000
7/1/18	6/30/19	15.75	275,000	9.00	275,000
7/1/19	6/30/20	17.40	280,000	9.00	280,000
7/1/20	6/30/21	17.40	285,000	9.00	285,000
7/1/21	6/30/22	17.40	290,000	9.00	290,000
7/1/22	6/30/23	17.40	305,000	9.00	305,000
7/1/23	6/30/24	17.40	330,000	9.00	330,000
7/1/24	6/30/25	17.90	345,000	9.00	345,000



SCHEDULE B – MAIN BENEFIT AND CONTRIBUTION PROVISIONS



BENEFITS

Superannuation Retirement

Condition for Retirement

A retirement allowance is paid upon the request of any member who retires and has attained age 60 and completed at least eight years (4 years if hired prior to July 1, 2007) of membership service.

A retirement allowance may also be paid upon the completion of 25 years of creditable service for members hired prior to July 1, 2011 or upon the completion of 30 years of creditable service for members hired on or after July 1, 2011.

Amount of Allowance

The annual retirement allowance payable to a member who retires is equal to:

1. A member's annuity which is the actuarial equivalent of the member's accumulated contributions at the time of his or her retirement, plus
2. For a member hired prior to July 1, 2011, an employer's annuity which, together with the member's annuity, is equal to 2% of his or her average compensation for each of the first 25 years of creditable service plus 2-1/2% for each year of creditable service over 25 years.
3. For a member hired on or after July 1, 2011, an employer's annuity which, together with the member's annuity, is equal to 2% of his or her average compensation for each of the first 30 years of creditable service plus 2-1/2% for each year of creditable service over 30 years. There will be an actuarial reduction for each year of creditable service below 30 or for each year of age below age 65, whichever is less.

For members hired prior to July 1, 2011, the minimum allowance is \$120 for each year of creditable service.





SCHEDULE B – MAIN BENEFIT AND CONTRIBUTION PROVISIONS

Early Retirement

Condition for Retirement	For members hired on or after July 1, 2011, an actuarially reduced retirement allowance is paid upon the request of any member who retires with less than 30 years of creditable service.
Amount of Allowance	The annual actuarially reduced retirement allowance is equal to the benefit in the section above reduced for each year of creditable service below 30 or for each year in age below age 65, whichever is less.

Deferred Vested

Condition for Termination	Any member who withdraws from service prior to his or her attainment of age 60 and who has completed at least eight years (4 years if hired prior to July 1, 2007) of membership service is entitled to receive, in lieu of a refund of his or her accumulated contributions, a retirement allowance.
Amount of Allowance	<p>The annual retirement allowance payable to a member who terminates as a deferred vested payable at age 60 is equal to:</p> <ol style="list-style-type: none">1. A member's annuity which is the actuarial equivalent of the member's accumulated contributions at the time of his or her retirement, plus2. For a member hired prior to July 1, 2011, an employer's annuity which, together with the member's annuity, is equal to 2% of his or her average compensation for each of the first 25 years of creditable service plus 2-1/2% for each year of creditable service over 25 years.





SCHEDULE B – MAIN BENEFIT AND CONTRIBUTION PROVISIONS

3. For a member hired on or after July 1, 2011, an employer's annuity which, together with the member's annuity, is equal to 2% of his or her average compensation for each of the first 30 years of creditable service plus 2-1/2% for each year of creditable service over 30 years. There will be an actuarial reduction for each year of creditable service below 30 or for each year of age below age 65, whichever is less.

For members hired prior to July 1, 2011, the minimum allowance is \$120 for each year of creditable service.

Ordinary Disability Retirement

Condition for Retirement

A retirement allowance is paid to a member who is totally and permanently disabled, as determined by the Board of Trustees, and has accumulated eight or more years* of membership service.

* four years for those who entered the system before July 1, 2007.

Amount of Allowance

For those who were active members prior to July 1, 1992, and did not elect the benefit structure outlined below, the annual disability retirement allowance payable is equal to a superannuation retirement allowance if the member has attained age 60, otherwise it is equal to a superannuation retirement allowance calculated as follows:

1. A member's annuity equal to the actuarial equivalent of his or her accumulated contributions at the time of retirement, plus
2. An employer's annuity equal to the amount that would have been payable had the member continued in service to age 60.





SCHEDULE B – MAIN BENEFIT AND CONTRIBUTION PROVISIONS

For those who become active members after June 30, 1992, and for those who were active members prior to July 1, 1992, who so elected, the following benefits are payable:

1. A temporary allowance equal to the greater of (a) 40% of average compensation plus 10% for each dependent child up to a maximum of 2, or (b) the member's accrued allowance. This temporary allowance is paid for a period of time based on the member's age at disability, as follows:

<u>Age at Disability</u>	<u>Duration</u>
60 and earlier	to age 65
61	to age 66
62	to age 66
63	to age 67
64	to age 67
65	to age 68
66	to age 68
67	to age 69
68	to age 70
69 and later	one year

The minimum allowance is \$120 per year of creditable service.

2. A deferred allowance commencing when the temporary allowance ceases equal to the greater of (a) the allowance the member would have received based on service to the termination age of the temporary allowance, but not more than 40% of average compensation, or (b) the member's accrued allowance.

The minimum allowance is \$120 per year of creditable service.





SCHEDULE B – MAIN BENEFIT AND CONTRIBUTION PROVISIONS

Effective July 1, 2004, a temporary benefit can be paid out of a member's accumulated contribution balance while the member is awaiting a determination for eligibility for disability benefits. Future disability payments, if any, would be offset by advanced payments made from the member's accumulated contributions.

Accidental Disability Retirement

Condition for Retirement	A retirement allowance is paid to a member who is totally and permanently disabled in the line of performance of duty.
Amount of Allowance	The annual accidental disability retirement allowance is equal to the allowance payable on disability retirement but not less than 50% of average compensation. There is no minimum benefit.

Accidental Death Benefit

Condition for Benefit	A retirement allowance is paid to a spouse and/or dependent children upon the death of an active member in the line of performance of duty.
Amount of Allowance	The annual retirement allowance is equal to 50% of average compensation payable to the spouse and 25% of average compensation payable to one dependent child or 50% to two or more children until age 19 (23 if a full time student). There is no minimum benefit.

Ordinary Death Benefit

Condition for Benefit	Upon the death of a member who has completed at least eight years* of membership service, a benefit is payable, in lieu of a refund of the member's accumulated contributions, to his or her spouse, if said spouse has been married to the member for not less than one year.
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*four years for those who entered the system before July 1, 2007.





SCHEDULE B – MAIN BENEFIT AND CONTRIBUTION PROVISIONS

Amount of Allowance

The annual retirement allowance payable to the lawful spouse of a vested member who dies is equal to the greater of (i) the allowance that would have been payable had the member retired and elected Option 2, reduced by an actuarially determined factor based on the number of years the member lacked in qualifying for unreduced retirement benefits, or (ii) a lifetime benefit equal to 20% of the deceased member's average compensation, but not less than \$50 per month.

In addition, a benefit is payable to dependent children until age 19 (23 if a full time student). The benefit is equal to the greater of 10% of average compensation or \$50 per month for each dependent child up to 3.

Return of Contributions

Upon the withdrawal of a member without a retirement benefit, his or her contributions are returned to him or her, together with accumulated regular interest thereon.

Upon the death of a member before retirement, his or her contributions, together with the full accumulated regular interest thereon, are paid to his or her designated beneficiary, if any, otherwise, to his or her estate provided no other survivor benefits are payable.

Effective July 1, 2016, the interest rate on employee contributions shall be calculated based on the money market rate as published by the Wall Street Journal on December 31 of each preceding year with a minimum rate of one percent and a maximum rate of five percent.

Normal Form of Benefit

The normal form of benefit (modified cash refund) is an allowance payable during the life of the member with the provision that upon his or her death the excess of his or her total contributions with interest at the time of retirement over the total retirement annuity





SCHEDULE B – MAIN BENEFIT AND CONTRIBUTION PROVISIONS

paid to him or her will be paid to his or her designated beneficiary.

Optional Benefits

A member upon retirement may elect to receive his or her allowance in one of the following forms which are computed to be actuarially equivalent to the applicable retirement allowance.

Option 1. Reduced allowance with the provision that if the pensioner dies before he receives the value of the member's annuity as it was at the time of retirement, the balance shall be paid to his or her beneficiary.

Option 2. Upon his or her death, his or her reduced retirement allowance shall be continued throughout the life of, and paid to, his or her beneficiary.

Option 3. Upon his or her death, 50% of his or her reduced retirement allowance shall be continued throughout the life of, and paid to, a designated beneficiary and the other 50% of his or her reduced retirement allowance to some other designated beneficiary.

Option 4. Upon his or her death, 75% of his or her reduced retirement allowance shall be continued throughout the life of, and paid to, a designated beneficiary.

Option 4A. Upon his or her death, 50% of his or her reduced retirement allowance shall be continued throughout the life of, and paid to, a designated beneficiary.

Option 4B. A reduced retirement allowance shall be continued throughout the life of the pensioner, but with the further guarantee of payment to the pensioner or his or her beneficiary for a specified number of years certain.





SCHEDULE B – MAIN BENEFIT AND CONTRIBUTION PROVISIONS

Option 4C. A member may elect any option with the added provision that the member shall receive, so far as possible, the same total amount annually (considering both PERS and Social Security benefits) before and after the earliest age at which the member becomes eligible for a Social Security benefit. This option was only available to those who retired prior to July 1, 2004.

A member who elects Option 2, Option 4, or Option 4A at retirement may revert to the normal form of benefit if the designated beneficiary predeceases the retired member or if the retired member divorces the designated beneficiary. A member who elects the normal form of benefit or Option 1 at retirement may select Option 2, Option 4, or Option 4A to provide beneficiary protection to a new spouse if married after retirement.

A member hired prior to July 1, 2011 and who has at least 28 years of creditable service* or a member hired on or after July 1, 2011 who has at least 33 years of creditable service can select a partial lump-sum option at retirement. Under this option, the retiree has the option of taking a partial lump-sum distribution equal to 12, 24, or 36 times the base maximum monthly benefit. With each lump-sum amount, the base maximum monthly benefit will be actuarially reduced.

A member selecting the partial lump-sum option may also select any of the regular options except Option 1, the prorated single-life annuity, and Option 4-C, the Social Security leveling provision. The benefit is then calculated using the new reduced maximum benefit as a starting point in applying the appropriate option factors for the reduction.

* or at least age 63 with four years of membership service for those who entered the system before July 1, 2007.





SCHEDULE B – MAIN BENEFIT AND CONTRIBUTION PROVISIONS

Post-Retirement Adjustments

In Allowances

The allowances of retired members are adjusted annually by an amount equal to (a) 3% of the annual retirement allowance for each full fiscal year of retirement prior to the year in which the member reaches age 55*, plus (b) 3% compounded for each year thereafter beginning with the fiscal year in which the member turns age 55*.

*Age 60 for members hired on or after July 1, 2011

A prorated portion of the annual adjustment will be paid to the member, beneficiary, or estate of any member or beneficiary who is receiving the annual adjustment in a lump sum, but whose benefits are terminated between July 1 and December 1.





SCHEDULE C – REQUIRED SUPPLEMENTARY INFORMATION

SCHEDULE OF CHANGES IN THE NET PENSION LIABILITY (\$ in Thousands)

	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Total pension liability										
Service Cost	\$734,545	\$754,552	\$702,559	\$696,445	\$712,354	\$719,623	\$758,601	\$694,726	\$834,060	\$852,044
Interest	3,032,131	3,154,382	3,239,471	3,330,054	3,433,801	3,536,951	3,651,875	3,752,233	3,851,193	4,031,989
Benefit changes	0	0	0	0	0	0	0	0	0	0
Difference between expected and actual experience	413,494	(172,476)	21,361	0	224,426	181,270	222,910	672,606	1,471,228	659,603
Changes of assumptions	(66,606)	24,141	0	231,354	0	1,469,257	0	3,631,586	0	(340,260)
Benefit payments	(2,367,709)	(2,477,914)	(2,609,415)	(2,747,397)	(2,878,073)	(2,995,255)	(3,134,860)	(3,237,085)	(3,394,102)	(3,513,108)
Refunds of contributions	(112,926)	(113,707)	(124,306)	(108,042)	(104,851)	(101,044)	(120,806)	(115,517)	(118,413)	(121,753)
Net change in total pension liability	1,632,929	1,168,978	1,229,670	1,402,414	1,387,657	2,810,802	1,377,720	5,398,549	2,643,966	1,568,515
Total pension liability - beginning	40,364,584	41,997,513	43,166,491	44,396,161	45,798,575	47,186,232	49,997,034	51,374,754	56,773,303	59,417,269
Total pension liability - ending (a)	\$41,997,513	\$43,166,491	\$44,396,161	\$45,798,575	\$47,186,232	\$49,997,034	\$51,374,754	\$56,773,303	\$59,417,269	\$60,985,784
Plan net position										
Contributions - employer	\$1,021,261	\$1,019,084	\$1,018,163	\$1,038,108	\$1,171,805	\$1,169,679	\$1,211,004	\$1,303,563	\$1,455,811	\$1,427,901
Contributions - member	572,574	570,066	570,807	580,941	594,711	594,876	615,420	661,986	682,937	704,575
Net investment income	130,900	3,436,144	2,385,913	1,701,321	856,935	8,736,632	(2,980,324)	2,234,355	3,219,564	3,673,648
Benefit payments	(2,367,709)	(2,477,914)	(2,609,415)	(2,747,397)	(2,878,073)	(2,995,255)	(3,134,860)	(3,237,085)	(3,394,102)	(3,513,108)
Administrative expense	(15,166)	(17,056)	(16,264)	(16,905)	(19,757)	(15,691)	(15,926)	(16,446)	(18,251)	(18,605)
Refunds of contributions	(112,926)	(113,707)	(124,306)	(108,042)	(104,851)	(101,044)	(120,806)	(115,517)	(118,413)	(121,753)
Other	(474)	(8,536)	(4,805)	(4,614)	22	6	10	12	314	386
Net change in plan net position	(771,540)	2,408,081	1,220,093	443,412	(379,208)	7,389,203	(4,425,482)	830,868	1,827,860	2,153,044
Plan net position - beginning	24,906,556	24,135,016	26,543,097	27,763,190	28,206,602	27,827,394	35,216,597	30,791,115	31,621,983	33,449,843
Plan net position - ending (b)	\$24,135,016	\$26,543,097	\$27,763,190	\$28,206,602	\$27,827,394	\$35,216,597	\$30,791,115	\$31,621,983	\$33,449,843	\$35,602,887
Net pension liability - ending (a) - (b)	\$17,862,497	\$16,623,394	\$16,632,971	\$17,591,973	\$19,358,838	\$14,780,437	\$20,583,639	\$25,151,320	\$25,967,426	\$25,382,897





SCHEDULE C – REQUIRED SUPPLEMENTARY INFORMATION

SCHEDULE OF THE NET PENSION LIABILITY (\$ in Thousands)

	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Total pension liability	\$41,997,513	\$43,166,491	\$44,396,161	\$45,798,575	\$47,186,232	\$49,997,034	\$51,374,754	\$56,773,303	\$59,417,269	\$60,985,784
Plan net position	24,135,016	26,543,097	27,763,190	28,206,602	27,827,394	35,216,597	30,791,115	31,621,983	33,449,843	35,602,887
Net pension liability	<u>\$17,862,497</u>	<u>\$16,623,394</u>	<u>\$16,632,971</u>	<u>\$17,591,973</u>	<u>\$19,358,838</u>	<u>\$14,780,437</u>	<u>\$20,583,639</u>	<u>\$25,151,320</u>	<u>\$25,967,426</u>	<u>\$25,382,897</u>
Ratio of plan net position to total pension liability	57.47%	61.49%	62.54%	61.59%	58.97%	70.44%	59.93%	55.70%	56.30%	58.38%
Covered payroll	\$6,022,533	\$6,038,229	\$5,999,231	\$6,144,916	\$6,287,441	\$6,246,077	\$6,454,760	\$7,065,419	\$7,245,824	\$7,442,321
Net pension liability as a percentage of covered payroll	296.59%	275.30%	277.25%	286.29%	307.90%	236.64%	318.89%	355.98%	358.38%	341.06%

Employers apply their proportionate share percentage to amounts.





SCHEDULE C – REQUIRED SUPPLEMENTARY INFORMATION

SCHEDULE OF EMPLOYER CONTRIBUTIONS (Template)

	2025	2024	2023	2022	2021	2020	2019	2018	2017	2016
Actuarially Determined Employer Contribution	\$1,873,232	\$1,573,793	\$1,518,359	\$1,258,033	\$1,184,881	\$1,107,847	\$967,824	\$944,879	\$951,021	\$948,549
Actual employer contributions	1,427,901	1,455,811	1,303,563	1,211,004	1,169,679	1,171,805	1,038,108	1,018,163	1,019,084	1,021,261
Annual contribution deficiency (excess)	\$445,331	\$117,982	\$214,796	\$47,029	\$15,202	(\$63,958)	(\$70,284)	(\$73,284)	(\$68,063)	(\$72,712)
Covered payroll	\$7,442,321	\$7,245,824	\$7,065,419	\$6,454,760	\$6,246,077	\$6,287,441	\$6,144,916	\$5,999,231	\$6,038,229	\$6,022,533
Actual contributions as a percentage of covered payroll	19.19%	20.09%	18.45%	18.76%	18.73%	18.64%	16.89%	16.97%	16.88%	16.96%

