

Section VII – 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 Plan 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 deferred outflows and inflows (\$ in thousands) as of June 30, 2021 (Measurement Date).

	Deferred Outflows of Resources	Deferred Inflows of Resources
Differences between expected and actual experience	\$0	\$115
Changes of assumptions	274	0
Net difference between projected and actual earnings on plan investments	0	2,976
Employer contributions subsequent to the measurement date	see note	<u>0</u>
Total	<u>\$274</u>	<u>\$3,091</u>

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

Amortization periods for reporting year 2022 are 3.75 for the average expected remaining service life of members and 5.0 years for investment gains/losses.

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.



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Amounts reported as deferred outflows of resources related to pensions resulting from State contributions subsequent to the measurement date will be recognized as a reduction of the net pension liability in the year ended June 30, 2022 (Reporting Date). Other amounts reported as deferred outflows of resources and deferred inflows of resources related to pensions will be recognized in pension expense.

Deferred Outflows and Inflows for Differences between Expected and Actual Experience (\$ in thousands)					
Year	Experience Losses (a)	Experience Gains (b)	Amounts Recognized in Pension Expense through 2021 (c)	Balances as of June 30, 2022 (Reporting Date)	
				Deferred Outflows (a) – (c)	Deferred Inflows (b) – (c)
				2021	\$0
2020	0	37	22	0	15
2019	0	0	0	0	0
2018	0	58	56	0	2
2017	0	204	204	0	0
Total				<u>\$0</u>	<u>\$115</u>

Deferred Outflows and Inflows for Differences from Assumption Changes (\$ in thousands)					
Year	Assumption Change Losses (a)	Assumption Change Gains (b)	Amounts Recognized in Pension Expense through 2021 (c)	Balances as of June 30, 2022 (Reporting Date)	
				Deferred Outflows (a) – (c)	Deferred Inflows (b) – (c)
				2021	\$364
2020	0	0	0	0	0
2019	31	0	24	7	0
2018	0	0	0	0	0
2017	0	868	868	0	0
Total				<u>\$274</u>	<u>\$0</u>



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Deferred Outflows and Inflows for Differences from Investment Experience (\$ in thousands)					
Year	Investment Losses	Investment Gains	Amounts Recognized in Pension Expense through 2021	Balances as of June 30, 2022 (Reporting Date)	
				Deferred Outflows	Deferred Inflows
				(a) – (c)	(b) – (c)
(a)	(b)	(c)			
2021	\$0	\$4,367	\$873	\$0	\$3,494
2020	844	0	338	506	0
2019	83	0	51	32	0
2018	0	96	76	0	20
2017	0	1,069	1,069	0	0
Total				<u>\$538</u>	<u>\$3,514</u>
Net difference between projected and actual earnings on investments					\$2,976



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Amortization of Collective Deferrals (\$ in thousands)							
Fiscal Year End	Reporting Year End	2016 Investment Loss		2016 Experience Gain		2016 Assumption Changes Gain	
		Amount Recognized	EOY Balance	Amount Recognized	EOY Balance	Amount Recognized	EOY Balance
6/30/2020	6/30/2021	(\$231)	\$0	\$0	\$0	\$0	\$0
6/30/2021	6/30/2022	0	0	0	0	0	0
6/30/2022	6/30/2023	0	0	0	0	0	0
6/30/2023	6/30/2024	0	0	0	0	0	0
6/30/2024	6/30/2025	0	0	0	0	0	0
6/30/2025	6/30/2026	0	0	0	0	0	0
6/30/2026	6/30/2027	0	0	0	0	0	0
6/30/2027	6/30/2028	0	0	0	0	0	0

Amortization of Collective Deferrals (\$ in thousands)							
Fiscal Year End	Reporting Year End	2017 Investment Gain		2017 Experience Gain		2017 Assumption Changes Gain	
		Amount Recognized	EOY Balance	Amount Recognized	EOY Balance	Amount Recognized	EOY Balance
6/30/2020	6/30/2021	\$214	\$213	\$44	\$28	\$188	\$116
6/30/2021	6/30/2022	213	0	28	0	116	0
6/30/2022	6/30/2023	0	0	0	0	0	0
6/30/2023	6/30/2024	0	0	0	0	0	0
6/30/2024	6/30/2025	0	0	0	0	0	0
6/30/2025	6/30/2026	0	0	0	0	0	0
6/30/2026	6/30/2027	0	0	0	0	0	0
6/30/2027	6/30/2028	0	0	0	0	0	0



Section VII – Deferred Outflows/Inflows

Amortization of Collective Deferrals (\$ in thousands)									
Fiscal Year End	Reporting Year End	2018 Investment Gain		2018 Experience Gain		2019 Investment Loss		2019 Assumption Changes Loss	
		Amount Recognized	EOY Balance	Amount Recognized	EOY Balance	Amount Recognized	EOY Balance	Amount Recognized	EOY Balance
6/30/2020	6/30/2021	\$19	\$39	\$14	\$16	(\$17)	(\$49)	(\$8)	(\$15)
6/30/2021	6/30/2022	19	20	14	2	(17)	(32)	(8)	(7)
6/30/2022	6/30/2023	20	0	2	0	(17)	(15)	(7)	0
6/30/2023	6/30/2024	0	0	0	0	(15)	0	0	0
6/30/2024	6/30/2025	0	0	0	0	0	0	0	0
6/30/2025	6/30/2026	0	0	0	0	0	0	0	0
6/30/2026	6/30/2027	0	0	0	0	0	0	0	0
6/30/2027	6/30/2028	0	0	0	0	0	0	0	0

Amortization of Collective Deferrals (\$ in thousands)					
Fiscal Year End	Reporting Year End	2020 Investment Loss		2020 Experience Gain	
		Amount Recognized	EOY Balance	Amount Recognized	EOY Balance
6/30/2020	6/30/2021	(\$169)	(\$675)	\$11	\$26
6/30/2021	6/30/2022	(169)	(506)	11	15
6/30/2022	6/30/2023	(169)	(337)	11	4
6/30/2023	6/30/2024	(169)	(168)	4	0
6/30/2024	6/30/2025	(168)	0	0	0
6/30/2025	6/30/2026	0	0	0	0
6/30/2026	6/30/2027	0	0	0	0
6/30/2027	6/30/2028	0	0	0	0



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Amortization of Collective Deferrals (\$ in thousands)									
Fiscal Year End	Reporting Year End	2021 Investment Gain		2021 Experience Loss		2021 Assumption Change Gain		Total Deferrals	
		Amount Recognized	EOY Balance	Amount Recognized	EOY Balance	Amount Recognized	EOY Balance	Amount Recognized	EOY Balance
6/30/2020	6/30/2021	\$0	\$0	\$0	\$0	\$0	\$0	\$65	(\$301)
6/30/2021	6/30/2022	873	3,494	35	98	(97)	(267)	\$1,018	\$2,817
6/30/2022	6/30/2023	873	2,621	35	63	(97)	(170)	\$651	\$2,166
6/30/2023	6/30/2024	873	1,748	35	28	(97)	(73)	\$631	\$1,535
6/30/2024	6/30/2025	873	875	28	0	(73)	0	\$660	\$875
6/30/2025	6/30/2026	875	0	0	0	0	0	\$875	\$0
6/30/2026	6/30/2027	0	0	0	0	0	0	\$0	\$0
6/30/2027	6/30/2028	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 Employer's financial statements. They are provided in Schedule C. In addition the following should be noted regarding the RSI.

Changes of assumptions.

- 2021
 - The expectation of retired life mortality was changed to the PubS.H-2010(B) Retiree Table with the following adjustments:
 - For males, 95% of male rates up to age 60, 110% for ages 61 to 75, and 101% for ages above 77.
 - For females, 84% of female rates up to age 72 scaled up to 100% for ages above 76.
 - Projection scale MP-2020 will be used to project future improvements in life expectancy generationally.
 - The expectation of contingent life mortality was changed to the PubS.H-2010(B) Retiree Table with the following adjustments:
 - For males, 97% of male rates for all ages.
 - For females, 110% of female rates for all ages.
 - Projection scale MP-2020 will be used to project future improvements in life expectancy generationally.
 - The expectation of disabled mortality was changed to PubG.H-2010 Disabled Retiree Table for disabled retirees with the following adjustments:
 - For males, 134% of male rates at all ages.
 - For females, 121% of female rates at all ages.
 - Projection scale MP-2020 will be used to project future improvements in life expectancy generationally.
 - The investment rate of return assumption was reduced from 7.75% to 7.55%.
 - The price inflation assumption was reduced from 2.75% to 2.40%.
 - The wage inflation assumption was reduced from 3.00% to 2.65%.
 - Withdrawal rates, pre-retirement mortality rates, and service retirement rates were also adjusted to reflect actual experience more closely.



Section VIII – Required Supplementary Information

- 2019
 - The expectation of retired life mortality was changed to the PubS.H-2010(B) Retiree Table with the following adjustments:
 - For males, 112% of male rates from ages 18 to 75 scaled down to 105% for ages 80 to 119.
 - For females, 85% of the female rates from ages 18 to 65 scaled up to 102% for ages 75 to 119.
 - Projection scale MP-2018 will be used to project future improvements in life expectancy generationally.
 - The expectation of disabled mortality was changed to PubT.H-2010 Disabled Retiree Table for disabled retirees with the following adjustments:
 - For males, 137% of male rates at all ages.
 - For females, 115% of female rates at all ages.
 - Projection scale MP-2018 will be used to project future improvements in life expectancy generationally.
 - The price inflation assumption was reduced from 3.00% to 2.75%.
 - The wage inflation assumption was reduced from 3.25% to 3.00%.
 - Pre-retirement mortality rates were also adjusted to more closely reflect actual experience.
- 2017
 - The expectation of retired life mortality was changed to the RP-2014 Healthy Annuitant Blue Collar Table projected with Scale BB to 2022.
 - Pre-retirement mortality rates and service retirement rates were also adjusted to more closely reflect actual experience.
 - Assumed rates of salary increase were adjusted to more closely reflect actual and anticipated experience.
 - The beginning of the attribution period was changed to be the first period in which a member's service accrues pension under the Supplemental Legislative Retirement Plan.
- 2016
 - The assumed rate of interest credited to employee contributions was changed from 3.50% to 2.00%



Section VIII – Required Supplementary Information

- 2015
 - The expectation of retired life mortality was changed to the RP-2014 Healthy Annuitant Blue Collar Table projected to 2016 using Scale BB rather than the RP-2000 Mortality Table, which was used prior to 2015.
 - The expectation of disabled mortality was changed to the RP-2014 Disabled Retiree Table, rather than the RP-2000 Disabled Mortality Table, which was used prior to 2015.
 - Withdrawal rates, pre-retirement mortality rates, disability rates and service retirement rates were also adjusted to more closely reflect actual experience.
 - Assumed rates of salary increase were adjusted to more closely reflect actual and anticipated experience.
 - The price inflation and investment rate of return assumptions were changed from 3.50% to 3.00% and 8.00% to 7.75%, respectively.

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.

Method 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 (Fiscal Year End 2021 Employer Contributions are developed from June 30, 2019 valuation). 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	22.9 years
Asset valuation method	5-year smoothed market
Price Inflation	2.75 percent
Salary increase	3.00 percent, including inflation
Investment rate of return	7.75 percent, net of pension plan investment expense, including inflation



Schedule A – Statement of Actuarial Assumptions and Methods

INTEREST RATE: 7.55% per annum, compounded annually (net of investment expenses only). The expected return on assets consists of 2.40% price inflation and 5.15% real rate of return.

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

Age	Annual Rate of		
	Male	Female	Disability**
20	0.0483%	0.0126%	0.04%
25	0.0567	0.0189	0.05
30	0.0630	0.0259	0.07
35	0.0714	0.0350	0.11
40	0.0893	0.0483	0.17
45	0.1218	0.0665	0.23
50	0.1764	0.0917	0.30
55	0.2594	0.1274	0.35
60	0.3980	0.1757	0.40
65	0.6353	0.2429	0.00
70	1.1655	0.4739	0.00
75	2.1389	0.9247	0.00

* Adjusted Base rates.

** 93% are presumed to be non-duty related, and 7% are assumed to be duty related.

WITHDRAWAL AND VESTING: 15% in an election year, 2% in a non-election year.

SERVICE RETIREMENT: 30% in an election year, 2.5% in a non-election year. All members are assumed to retire no later than age 80.

It is assumed that a member will be granted 2.5 years of service credit for unused leave at termination of employment.

SALARY INCREASES: 2.65% per annum, for all ages.



Schedule A – Statement of Actuarial Assumptions and Methods

DEATH AFTER RETIREMENT:

Service Retirees*

<u>Membership Table</u>	<u>Adjustment to Rates</u>	<u>Projection Scale</u>
PubS.H-2010(B) Retiree	Male: 95% up to age 60, 110% for ages 61 to 75, and 101% for ages above 77 Female: 84% up to age 72, 100% for ages above 76	MP-2020

Contingent Annuitants*

<u>Membership Table</u>	<u>Adjustment to Rates</u>	<u>Projection Scale</u>
PubS.H-2010(B) Contingent Annuitant	Male: 97% for all ages Female: 110% for all ages	MP-2020

Disabled Retirees*

<u>Membership Table</u>	<u>Adjustment to Rates</u>	<u>Projection Scale</u>
PubG.H-2010 Disabled	Male: 134% for all ages Female: 121% for all ages	MP-2020

* 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	0.2983%	0.0983%	0.7692%	0.5104%	1.4660%	1.1919%
50	0.4190%	0.1638%	0.8837%	0.6556%	2.2780%	1.7956%
55	0.5197%	0.2738%	1.0156%	0.7843%	2.9855%	2.1078%
60	0.7771%	0.4578%	1.2397%	1.0131%	3.6475%	2.4684%
65	1.3211%	0.7652%	1.6286%	1.4157%	4.5426%	2.9730%
70	2.1758%	1.2785%	2.4153%	1.9998%	5.8129%	3.8127%
75	3.8566%	2.3659%	3.7209%	3.0052%	7.6661%	5.2683%
80	6.2640%	4.2530%	5.7734%	4.7289%	10.8125%	7.7779%
85	11.0605%	7.3240%	9.2228%	7.8562%	15.7785%	11.9947%
90	17.6902%	12.6470%	14.6577%	13.4530%	22.7224%	17.5353%

*Adjusted Base Rates



Schedule A – Statement of Actuarial Assumptions and Methods

PAYROLL GROWTH: 2.65% per annum, compounded annually.

ADMINISTRATIVE EXPENSES: 0.28% of payroll.

TIMING OF DECREMENTS AND PAY INCREASES: Middle of Year.

ASSUMED INTEREST RATE ON EMPLOYEE CONTRIBUTIONS: 2.00%

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

ASSET VALUATION METHOD: Market value of assets.

MAXIMUM COVERED EARNINGS ASSUMPTION GROWTH: 2.65%

MODIFIED CASH REFUND: Benefits were valued with a six-year certain period for retirees and a five year certain period for active members to estimate the value of the modified cash refund feature.

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 7.55%). 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 SLRP are determined following a level funding approach and consist of a normal contribution and an accrued liability contribution.

The normal contribution is determined using the "entry age normal" method. Under this method, a calculation is made for pension benefits to determine the uniform and constant percentage rate of employer contribution which, if applied to the compensation of the average new member during the entire period of his anticipated covered service, would be required in addition to the contributions of the member to meet the cost of all benefits payable on his behalf.

The unfunded actuarial accrued liability is determined by subtracting the current assets and the present value of prospective employer normal contributions and member contributions from the present value of expected benefits to be paid from the SLRP. The accrued liability contribution amortizes the balance of the unfunded actuarial accrued liability over a period of years from the valuation date.



Schedule B – Summary of Main Benefit and Contribution Provisions

The following summary presents the main benefit and contribution provisions of the Plan in effect June 30, 2021 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 your 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.
Eligibility Service	Service while a contributing member of PERS plus additional service as described below. (OLD: Eligibility service” is all service in PERS, including that credited for SLRP service.)
Credited Service	Service while a contributing member of SLRP plus additional service as described below. (OLD: “Creditable service” includes only SLRP service.)
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 the Average Compensation definition.



Schedule B – Summary of Main Benefit and Contribution Provisions

Additional Service

Additional service credit may be granted for service prior to July 1, 1989, including active duty military service.

Attribution

Attribution period for the normal cost is based on entry into PERS even for members who first participated in SLRP at a later age than PERS.



Schedule B – Summary of Main Benefit and Contribution Provisions

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

EMPLOYER AND EMPLOYEE RATES OF CONTRIBUTION AND MAXIMUM COVERED EARNINGS

Fiscal Date From	Fiscal Date To	Employer Rate	Employee Rate	Maximum Covered Earnings
7/1/2009	12/31/2011	6.65%	3.00%	\$245,000
1/1/2012	6/30/2012	7.40	3.00	\$245,000
7/1/2012	6/30/2013	7.40	3.00	\$250,000
7/1/2013	6/30/2014	7.40	3.00	\$255,000
7/1/2014	6/30/2015	7.40	3.00	\$260,000
7/1/2015	6/30/2017	7.40	3.00	\$265,000
7/1/2017	6/30/2018	7.40	3.00	\$270,000
7/1/2018	6/30/2019	7.40	3.00	\$275,000
7/1/2019	6/30/2020	7.40	3.00	\$280,000
7/1/2020	6/30/2021	7.40	3.00	\$285,000



Schedule B – Summary of Main Benefit and Contribution Provisions

BENEFITS

Superannuation Retirement

Condition for Retirement

- (a) A retirement allowance is paid upon the request of any member who retires and has attained age 60 and completed at least eight years* of membership service under PERS. A retirement allowance may also be paid upon the completion of at least 25 years of creditable service under PERS 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.
- (b) Any member who withdraws from service prior to his or her attainment of age 60 and who has completed at least eight years* of membership service under PERS is entitled to receive, in lieu of a refund of his or her accumulated contributions, a retirement allowance commencing at age 60.

Amount of Allowance

The annual retirement allowance payable to a member who retires under condition (a) above 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. An employer's annuity which, together with the member's annuity, is equal to 1% of his or her average compensation for each of the first 25 years of creditable service plus 1.25% for each year of creditable service over 25 years.

The minimum allowance is \$60 per year of creditable service.

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 under PERS.

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



Schedule B – Summary of Main Benefit and Contribution Provisions

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.

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) 20% of average compensation plus 5% 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 \$60 per year of service credit.

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 20% of average compensation, or (b) the member’s accrued allowance.



Schedule B – Summary of Main Benefit and Contribution Provisions

The minimum allowance is \$60 per year of service credit.

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 25% 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 25% of average compensation payable to the spouse and 12-1/2% of average compensation payable to one dependent child or 25% 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.

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



Schedule B – Summary of 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 benefits, or (ii) a lifetime benefit equal to 20% of the deceased member's average compensation, but not less than \$25 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 5% of average compensation or \$25 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 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 at the time of retirement over the total retirement annuity 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.



Schedule B – Summary of Main Benefit and Contribution Provisions

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 of 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 of 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.

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 SLRP 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 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 at retirement.



Schedule B – Summary of Main Benefit and Contribution Provisions

A member who has at least 28 years of creditable service* under PERS 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 either 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 PERS before July 1, 2007.

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.

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.

CONTRIBUTIONS

Members currently contribute 3.00% of covered earnings. The employer contributes 7.40% of covered earnings.



Schedule C – Required Supplementary Information

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

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total pension liability										
Service cost	\$404	\$406	\$420	\$433	\$431	\$590	\$589	\$427		
Interest	1,549	1,569	1,586	1,593	1,557	1,595	1,638	1,673		
Changes of benefit terms	0	0	0	0	0	0	0	0		
Difference between expected and actual experience	(453)	(333)	(468)	(204)	(58)	0	(37)	1,184		
Changes of assumptions	0	588	(6)	(868)	0	31	0	337		
Benefit payments	(1,216)	(1,220)	(1,454)	(1,397)	(1,410)	(1,442)	(1,858)	(1,608)		
Refund of Contributions	<u>(22)</u>	<u>(37)</u>	<u>(32)</u>	<u>(17)</u>	<u>(18)</u>	<u>0</u>	<u>(19)</u>	<u>(6)</u>		
Net change in total pension liability	262	973	46	(460)	502	774	313	2,007		
Total pension liability – beginning	19,978	20,240	21,213	21,259	20,799	21,301	22,075	22,388		
Total pension liability – ending (a)	\$20,240	\$21,213	\$21,259	\$20,799	\$21,301	\$22,075	\$22,388	\$24,395		
Plan fiduciary net position										
Contributions – employer	514	511	514	522	513	525	512	604		
Contributions – member	208	207	208	212	207	214	208	245		
Net investment income	2,605	552	86	2,264	1,412	1,287	553	5,732		
Benefit payments	(1,216)	(1,220)	(1,454)	(1,397)	(1,410)	(1,442)	(1,858)	(1,608)		
Administrative expense	(10)	(10)	(10)	(10)	(10)	(11)	(10)	(12)		
Refund of Contributions	(22)	(37)	(32)	(17)	(18)	0	(19)	(6)		
Other	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>		
Net change in plan fiduciary net position	2,079	3	(688)	1,574	694	573	(614)	4,955		
Plan fiduciary net position – beginning	14,374	16,453	16,456	15,768	17,342	18,036	18,609	17,995		
Plan fiduciary net position – ending (b)	\$16,453	\$16,456	\$15,768	\$17,342	\$18,036	\$18,609	\$17,995	\$22,950		
Net pension liability – ending (a) – (b)	\$3,787	\$4,757	\$5,491	\$3,457	\$3,265	\$3,466	\$4,393	\$1,445		



Schedule C – Required Supplementary Information

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

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total pension liability	\$20,240	\$21,213	\$21,259	\$20,799	\$21,301	\$22,075	\$22,388	\$24,395		
Plan fiduciary net position	<u>16,453</u>	<u>16,456</u>	<u>15,768</u>	<u>17,342</u>	<u>18,036</u>	<u>18,609</u>	<u>17,995</u>	<u>22,950</u>		
Net pension liability	<u>\$3,787</u>	<u>\$4,757</u>	<u>\$5,491</u>	<u>\$3,457</u>	<u>\$3,265</u>	<u>\$3,466</u>	<u>\$4,393</u>	<u>\$1,445</u>		
Plan fiduciary net position as a percentage of the total pension liability	81.29%	77.58%	74.17%	83.38%	84.67%	84.30%	80.38%	94.08%		
Covered payroll	\$6,918	\$6,861	\$6,862	\$6,928	\$6,833	\$6,937	\$6,891	\$8,030		
Net pension liability as a percentage of covered payroll	54.74%	69.33%	80.02%	49.90%	47.78%	49.96%	63.75%	18.00%		



Schedule C – Required Supplementary Information

SCHEDULE OF EMPLOYER CONTRIBUTIONS (\$ in Thousands)

	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
Contractually Required Employer contribution	\$594	\$510	\$513	\$506	\$513	\$508	\$508	\$519	\$509	\$504
Contributions in relation to the actuarially determined contribution	<u>604</u>	<u>512</u>	<u>525</u>	<u>513</u>	<u>522</u>	<u>514</u>	<u>511</u>	<u>514</u>	<u>503</u>	<u>490</u>
Annual contribution deficiency (excess)	(10)	(2)	(12)	(7)	(9)	(6)	(3)	5	6	14
Covered payroll	8,030	6,891	6,937	6,833	6,928	6,862	6,861	6,918	6,695	6,872
Actual contributions as a percentage of covered payroll	7.52%	7.43%	7.57%	7.51%	7.53%	7.49%	7.45%	7.43%	7.51%	7.13%