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Public School Retirement System of Missouri

Actuarial Valuation as of June 30, 2014





October 20, 2014

Board of Trustees Public School Retirement System of Missouri 3210 W. Truman Blvd. Jefferson City, MO 65109

Re: Certification of the Actuarial Valuation of the Public School Retirement System of Missouri as of June 30, 2014

Dear Board of Trustees:

An actuarial valuation is performed annually for the Public School Retirement System of Missouri ("PSRS") defined benefit pension plan ("Plan"). The results of the latest actuarial valuation were prepared as of June 30, 2014 and are presented herein pursuant to the engagement letter between PSRS and PricewaterhouseCoopers LLP ("PwC"), dated June 9, 2014. This report is intended to provide the Board of Trustees ("Board") with information on the funded status of the Plan, development of the actuarially determined contribution rates, and certain financial statement disclosure information.

Financing Objectives and Funding Policy

Under Missouri statutes, contribution rates are adopted annually by the Board. The recommended contribution rate presented herein was actuarially determined based on the funding policy, actuarial assumptions, and actuarial methods adopted by the Board.

In setting contribution rates, the principal objectives of the Board's funding policy are:

- To set contribution rates such that the funded ratio will reach 100% over a closed 30-year period ending June 30, 2040.
- To set contribution rates such that they remain stable over time.
- To set contribution rates such that they promote intergenerational equity.
- To provide a reasonable margin for adverse experience to help offset risks.

Progress Toward Realization of Financing Objectives

The funded ratio (the ratio of the actuarial value of assets to the actuarial accrued liability) is a standard measure of a Plan's funded status. In the absence of benefit improvements and adverse experience, it should increase over time, until it reaches 100%. The funded ratio for the Plan increased by 2.7% from the preceding year to 82.8%, primarily due to the recognition of excess returns from prior years in the AVA development, but partially offset by experience losses on the liability.

Benefit Provisions

The benefit provisions reflected in the valuation reports are those which were in effect at June 30, 2014, as set forth in the related Missouri statutes. There were no changes in benefit provisions that had a significant impact since the 2013 valuation.

Assets and Member Data

The valuation was based on asset values of the trust funds and member census data as of June 30, 2014. All asset information and member data were provided by PSRS. While certain checks for reasonableness were performed, the data was used unaudited. The accuracy of the results presented in this report is dependent upon the accuracy and completeness of the underlying asset and census information.

Actuarial Assumptions and Methods

The majority of the actuarial assumptions used in the June 30, 2014 valuations were adopted by the Board pursuant to an experience study completed in 2011, which reflected the experience period from June 30, 2005 through June 30, 2010, and were first used in the June 30, 2011 valuation. Additional minor assumption changes were made for the June 30, 2012 valuation. For the June 30, 2013 valuation, the retirement assumption was updated to reflect the permanent extension of the Special Early Retirement ("25-and-out") benefit and the one year extension of the enhanced Normal Retirement ("2.55% formula factor") benefit for members who retire with 31 or more years of service. Also, a new assumption was made to distinguish future service credit for members working in positions covered by Social Security versus those who are not. There were no updates to the actuarial assumptions for the June 30, 2014 valuation.



We believe the actuarial assumptions and methods are reasonable for the purposes of this valuation report and comply with the parameters set forth in Statements No. 67 and No. 68 of the Governmental Accounting Standards Board ("GASB"). Different assumptions and methods may be reasonable for other purposes. As such, the results presented in the valuation reports should only be relied upon for the intended purpose.

Certification

We certify that the information presented herein is accurate and fairly portrays the actuarial position of the Plan administered by PSRS as of June 30, 2014 based on the underlying census data, asset information and selected assumptions and methods.

This report contains certain accounting information required to be included in the System's Comprehensive Annual Financial Report. This information has been prepared in accordance with our understanding of GASB No.67. This report also contains employer accounting information prepared in accordance with our understanding of GASB No. 68.

To the best of our knowledge this actuarial statement is complete and accurate and has been prepared in accordance with generally accepted actuarial principles and practices and with the Actuarial Standards of Practice issued by the Actuarial Standards Board. In our opinion, our calculations also comply with our understanding of the requirements of Missouri state law. The undersigned actuaries are members of the Society of Actuaries and other professional organizations, including the American Academy of Actuaries, and meet the Qualification Standards for Actuaries Issuing Statements of Actuarial Opinion in the United States relating to pension plans. There is no relationship between the PwC practitioners involved in this engagement and PSRS that may impair our objectivity.

The content of this document is limited to the matters specifically addressed herein and does not address any other potential tax consequences, or the potential application of tax penalties, to any matter other than as set forth herein. Our conclusions are not binding upon any taxing authority or the courts and there is no assurance that any relevant taxing authority will not successfully assert a contrary position. In addition, no exceptions (including the reasonable cause exception) are available for any federal or state penalties imposed if any portion of a transaction is determined to lack economic substance or fails to satisfy any similar rule of law, and our advice will not protect you from any such penalties. This document supersedes all prior written or oral advice with respect to the issues addressed in this document and all such prior communications should not be relied upon by any person for any purpose. This document has been prepared pursuant to an engagement letter between PSRS and PwC, and is intended solely for the use and benefits of PSRS and not for reliance by any other person.

Respectfully submitted,

Cindy Frater

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TABLE OF CONTENTS

I.	EXECUTIVE SUMMARY	1
п.	FUNDING	
	A. Summary of Funding Policy	7
	B. Development of Funded Status	9
	C. Reconciliation of Unfunded Actuarial Accrued Liability	10
	D. Reconciliation of Actuarial Accrued Liability	11
	E. Reconciliation of Market Value of Assets	12
	F. Development of Actuarial Value of Assets	13
	G. Contribution Rate	14
	H. Determination of the Normal Cost Rate	15
	I. Determination of the Unfunded Actuarial Accrued Liability Amortization Rate	16
	J. History of Contribution Rates	17
	K. Historical Investment Experience	18
III.	ACCOUNTING	
	A. Statement of Fiduciary Net Position under GASB #67 as of June 30, 2014	19
	B. Statement of Changes in Fiduciary Net Position under GASB #67 for the Year Ended June 30, 2014	20
	C. Net Pension Liability under GASB #68 for the Year Ended June 30, 2014	21
	D. Deferred Inflows and Outflows of Resources under GASB #68 for the Year Ended June 30, 2014	22
	E. Pension Expense under GASB #68 for the Year Ended June 30, 2014	23
	F. Selected Notes to the Financial Statements under GASB #67 and #68	24
	G. Schedule of Changes in the Net Pension Liability and Plan Fiduciary Net Position under GASB #67 and #68	26
	H. Schedule of Net Pension Liability and Related Ratios under GASB #67 and #68	27
	I. Schedule of Contributions under GASB #67 and #68	28
	J. Schedule of Money-Weighted Returns under GASB #67 and #68	29
IV.	CENSUS DATA	30
v.	ACTUARIAL ASSUMPTIONS AND METHODS	41
VI.	SUMMARY OF PLAN PROVISIONS	49

HIGHLIGHTS OF THE ACTUARY'S REPORT

This report presents the results of the actuarial valuation of the Public School Retirement System of Missouri ("PSRS") defined benefit pension plan ("Plan") as of June 30, 2014, and has been prepared to present the current funded status of the Plan, contribution requirements for fiscal year 2016 (July 1, 2015 through June 30, 2016), and certain financial statement disclosure information. The valuation was performed using census data for plan members as of June 30, 2014 provided by PSRS and summarized in Section IV of this report, asset information as of June 30, 2014 provided by PSRS, the actuarial assumptions and methods approved by the Board and summarized in Section V, and the plan provisions effective June 30, 2014 summarized in Section VI.

Contributions

The Board sets, at its discretion and subject to certain restrictions, the applicable employer and member contribution rates upon considering the results of the actuarial valuation and other analysis as appropriate. A total contribution rate of 29.00% (14.50% for employers and 14.50% for members) is recommended for fiscal year 2016. This represents no change from the rate currently in effect for fiscal year 2015. The contribution rate approved by the Board becomes effective on July 1, 2015. Therefore, the dollar cost will depend on the actual payroll during fiscal year 2016.

Members of PSRS pay half of the total contribution rate, currently 14.5% of pay. If a member terminates employment with less than 5 years of service, their accumulated contributions with interest can be withdrawn as a lump sum, or the member may direct PSRS to make a direct rollover of the distribution amount. When a member becomes vested with at least 5 years of service, the member also has the option to leave their contributions in the Plan and select from various retirement annuity options at retirement age.

Funded Status

The funded status of PSRS is measured as the ratio of assets available for benefits to a benefit liability measure for the System. While there are several such measures that could be appropriately used, the benefit liability measure that ties most closely to the funding strategy is the Actuarial Accrued Liability ("AAL").

Using the Actuarial Value of Assets ("AVA"), a smoothed asset value that recognizes 20% of the total investment gain or loss on the prior year AVA for each of the preceding five (5) years, the PSRS AAL funded ratio increased from 80.1% at June 30, 2013 to 82.8% as of June 30, 2014. The increase is primarily due to the recognition of excess returns from prior years in the AVA development, but partially offset by experience losses on the liability.

Investment Experience

The market value of the assets available for benefits has increased from \$30.4 billion as of June 30, 2013 to \$34.4 billion as of June 30, 2014. The actuarial value of assets increased from \$29.4 billion as of June 30, 2013, to \$31.8 billion as of June 30, 2014. The actuarial value of assets is less than the market value by \$2.6 billion and the difference will be recognized over the next four years.

The assets of the Plan returned 16.7% (net of all expenses) for the year ended June 30, 2014. Based on the Actuarial Value of Assets, the approximate return for the same period was 11.4%. The return on actuarial value is different due to the smoothing of returns greater or less than expected returns over five years. For GASB accounting purposes, the money-weighted return, net of investment expenses only, was 16.7%.

1

HIGHLIGHTS OF THE ACTUARY'S REPORT (CONTINUED)

Funding Policy

The Board has adopted a formal funding policy with the objective of fully funding the system over a closed 30-year period while adhering to sound financial principles, such as maintaining contribution rate stability and intergenerational equity, and the applicable statutes of the State of Missouri. The policy sets forth certain actions, actuarial assumptions and actuarial methods that are to be utilized in executing the funding strategy. The funding policy is summarized in Section II.

Governmental Accounting Standards

This report contains certain financial statement information, including notes and required supplemental information, prepared in accordance with our understanding of Governmental Accounting Standards No. 67 and No. 68 ("GASB 67" and "GASB 68") to assist PSRS with the implementation of the new standards. GASB 67 is effective for fiscal years beginning after June 15, 2013. GASB 68 is effective for employers sponsoring and/or participating in public pension plans for fiscal years beginning after June 15, 2014.

Changes in Actuarial Assumptions

There were no assumption changes for the June 30, 2014 valuation.

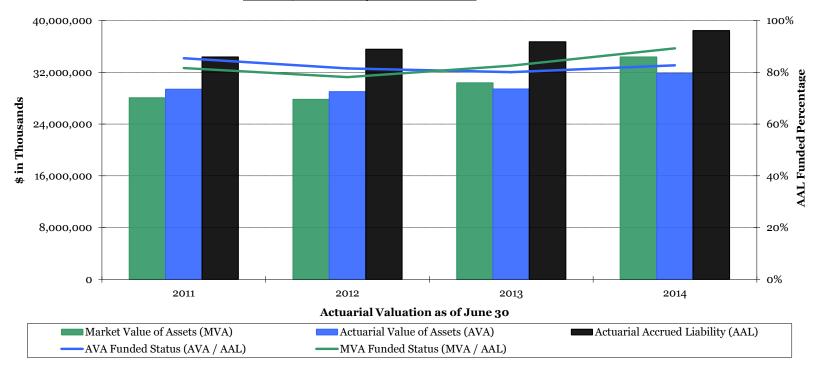
Changes in Plan Provisions

It is our understanding that there were no changes to the Plan that impacted the pension benefits during the fiscal year.

Changes in Actuarial Methods

There were no changes in the actuarial methods for the June 30, 2014 valuation.

HISTORICAL SUMMARY



PSRS – 4 Year History of Funded Status

Actuarial Valuation as of June 30:	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>
Actuarial Accrued Liability (AAL)	\$34,383,430	\$35,588,030	\$36,758,165	\$38,483,184
Actuarial Value of Assets (AVA)	\$29,387,486	\$29,013,002	\$29,443,147	\$31,846,599
Market Value of Assets (MVA)	\$28,100,182	\$27,816,773	\$30,375,417	\$34,380,609
Unfunded Liability (AAL - AVA)	\$4,995,944	\$6,575,028	\$7,315,018	\$6,636,585
AVA Funded Status (AVA / AAL)	85.5%	81.5%	80.1%	82.8%
MVA Funded Status (MVA / AAL)	81.7%	78.2%	82.6%	89.3%

HISTORICAL SUMMARY (CONTINUED)

Summary of Valuation Results ¹

Valuation Date		June 30, 2011	 June 30, 2012	 June 30, 201 <u>3</u>	 June 30, 2014
Development of Actuarially Determined Contribution Rate:					
1. Anticipated Payroll	\$	4,338,975,912	\$ 4,379,059,546	\$ 4,460,871,713	\$ 4,425,567,630
2. Total Normal Cost (Mid-Year)					
a. Amount	\$	831,201,088	\$ 833,145,686	\$ 849,712,130	\$ 836,085,151
b. Percentage of Payroll		19.16%	19.03%	19.05%	18.89%
3. Total Unfunded Actuarial Accrued Liability Annual Amortization	ons (M	lid-Year)			
a. Amount	\$	301,283,759	\$ 401,379,307	\$ 453,336,439	\$ 421,555,305
b. Percentage of Payroll		6.94%	9.17%	10.16%	9.53%
4. Total Actuarially Determined Contribution Rate:					
a. Percentage of Payroll: $(2)(b) + (3)(b)$		26.10%	28.20%	29.21%	28.42%
b. Effective UAAL Amortization Period			29.0 Years	28.2 Years	26.9 Years
5. Recommended Total Contribution Rate, Member + Employer					
a. Percentage of Payroll		29.00%	29.00%	29.00%	29.00%
b. Effective UAAL Amortization Period			24.8 Years	29.4 Years	24.2 Years
c. Effective Date		July 1, 2012	July 1, 2013	July 1, 2014	July 1, 2015

¹ The contribution rates shown were developed on a <u>funding</u> basis only and do not reflect accounting requirements.

HISTORICAL SUMMARY (CONTINUED)

Summary of Valuation Results (Continued)

	Ju	ne 30, 2011	Jı	ine 30, 2012	Ju	ne 30, 2013	Ju	ne 30, 2014
Census Information								
Active								
Number		77,708		77,529		78,076		75,168
Average Age		42.3		42.2		42.1		42.2
Average Years of Service		11.5		11.4		11.4		11.8
Anticipated Payroll of Actives (\$ in 000's) 1	\$	4,338,976	\$	4,379,060	\$	4,460,872	\$	4,425,568
Inactive								
Vested								
Number		6,645		6,891		7,203		8,884
Annual Deferred Annuities (\$ in 000's)	\$	62,913	\$	66,943	\$	71,974	\$	96,084
Non Vested								
Number		4,935		4,633		4,446		5,567
Account Balance (\$ in 000's)	\$	51,805	\$	50,988	\$	50,686	\$	64,244
Former Members								
Entitled to a Deferred Annuity								
Number						50		67
Annual Deferred Annuities (\$ in 000's)					\$	905	\$	568
Entitled to a Refund of Contributions								
Number		2,811		3,069		3,286		3,733
Account Balance (\$ in 000's)	\$	18,267	\$	22,335	\$	23,205	\$	31,549
Retiree/Beneficiary/Disabled								
Number		48,065		50,344		52,306		54,486
Annual Benefits Payable ($\sin 000$'s) ²	\$	1,771,699	\$	1,893,836	\$	2,008,069	\$	2,134,558

¹ Figures shown are the anticipated pay for the one-year period following the valuation date.

² Excludes \$5,000 death benefits and tax sheltered annuities.

HISTORICAL SUMMARY (CONTINUED)

Summary of Valuation Results (Continued)

	June 30, 2011		June 30, 2012		June 30, 2013		June 30, 2014	
Present Value of Future Benefits								
Member Contribution Balances	\$	6,571,916,082	\$	6,687,357,639	\$	6,856,920,007	\$	6,985,665,067
Retiree/Beneficiary/Disabled		20,023,700,999		21,191,032,300		22,328,794,889		23,579,997,567
Inactive		8,088,781		62,541,687		74,467,654		101,926,552
Active		15,587,962,363		15,519,264,944		15,447,188,509		15,611,874,950
Total	\$	42,191,668,226	\$	43,460,196,569	\$	44,707,371,059	\$	46,279,464,136
Actuarial Accrued Liability (AAL)								
Member Contribution Balances	\$	6,571,916,082	\$	6,687,357,639	\$	6,856,920,007	\$	6,985,665,067
Retiree/Beneficiary/Disabled		20,023,700,999		21,191,032,300		22,328,794,889		23,579,997,567
Inactive		8,088,781		62,541,687		74,467,654		101,926,552
Active		7,779,724,712		7,647,099,014		7,497,982,861		7,815,594,746
Total	\$	34,383,430,575	\$	35,588,030,639	\$	36,758,165,411	\$	38,483,183,932
Actuarial Value of Assets (AVA)								
Member Contribution Balances	\$	6,571,916,082	\$	6,687,357,639	\$	6,856,920,007	\$	6,985,665,067
Retiree/Beneficiary/Disabled		20,023,700,999		21,191,032,300		22,328,794,889		23,579,997,567
Inactive		8,088,781		62,541,687		74,467,654		101,926,552
Active		2,783,780,566		1,072,070,617		182,964,322		1,179,010,201
Total	\$	29,387,486,429	\$	29,013,002,242	\$	29,443,146,872	\$	31,846,599,387
Unfunded Actuarial Accrued Liability: AAI	- AVA							
Member Contribution Balances	\$	-	\$	-	\$	-	\$	-
Retiree/Beneficiary/Disabled		-		-		-		-
Inactive		-		-		-		-
Active		4,995,944,146		6,575,028,397		7,315,018,539		6,636,584,545
Total	\$	4,995,944,146	\$	6,575,028,397	\$	7,315,018,539	\$	6,636,584,545
Funded Percentage: AVA / AAL ¹								
Member Contribution Balances		100.0%		100.0%		100.0%		100.0%
Retiree/Beneficiary/Disabled		100.0%		100.0%		100.0%		100.0%
Inactive		100.0%		100.0%		100.0%		100.0%
Active		35.8%		14.0%		2.4%		15.1%
Total		85.5%		81.5%		80.1%		82.8%
Market Value of Assets	\$	28,100,181,499	\$	27,816,772,561	\$	30,375,416,792	\$	34,380,608,561
Summary of Assumptions								
Valuation Interest Rate		8.0%		8.0%		8.0%		8.0%
Salary Increases		4.0% - 10.0%		4.0% - 10.0%		4.0% - 10.0%		4.0% - 10.0%
Cost-of-Living Assumption		2.0%		2.0%		2.0%		2.0%

¹ In determining the funded percentage, the assets are allocated first to member contribution balances, then to the retiree/beneficiary/disabled liability, then to the inactive liability, and then to the active liability.

FUNDING

	<u>Page</u>
A. Summary of Funding Policy	7
B. Development of Funded Status	9
C. Reconciliation of Unfunded Actuarial Accrued Liability	10
D. Reconciliation of Actuarial Accrued Liability	11
E. Reconciliation of Market Value of Assets	12
F. Development of Actuarial Value of Assets	13
G. Contribution Rate	14
H. Determination of the Normal Cost Rate	15
I. Determination of the Unfunded Actuarial Accrued Liability Amortization Rate	16
J. History of Contribution Rates	17
K. Historical Investment Experience	18

A. Summary of Funding Policy

Introduction

The Board of Trustees ("Board") for the Public School Retirement System of Missouri (PSRS) has adopted a funding policy to record the funding objectives and help ensure the systematic funding of future benefit payments for members of PSRS. The funding policy governs the methods used in performing the actuarial valuation, which is the basis for determining the annual contribution rate for both employers and members. The funding policy shall be updated every five years in conjunction with an experience study. Other changes to the funding policy may be considered between the five-year periods as recommended by the actuary.

The "Funding" results presented in this section of the report were prepared in accordance with the funding policy.

Funding Objective

The funding objective is to achieve a funded ratio of 100% over a closed 30-year period from fiscal year 2011 through fiscal year 2040. For this purpose, the funded ratio is defined as the Actuarial Value of Assets divided by the Actuarial Accrued Liability determined under the Entry Age Normal Cost Method with Normal Costs calculated as a percentage of payroll using the actuarial assumptions adopted by the Board.

Principles of Funding

- 1. Maintain adequate assets so that current plan assets plus future contributions and investment earnings should be sufficient to fund all benefits expected to be paid to members and their beneficiaries.
- 2. Maintain stability of contribution rates, consistent with other funding objectives.
- 3. Maintain public policy goals of accountability and transparency. Each policy element is clear in intent and effect, and each should allow an assessment of whether, how and when the funding requirements of the plan will be met.
- 4. Promote intergenerational equity. Each generation of members and employers should incur the cost of benefits for the employees who provide services to them, rather than deferring those costs to future members and employers.
- 5. Provide a reasonable margin for adverse experience to help offset risks.
- 6. Review the investment earning assumption in conjunction with the periodic asset liability study and in consideration of the Board's risk profile.
- 7. Review demographic and economic assumptions in conjunction with an experience study performed by an actuary.
- 8. Continue progress of systematic reduction of the Unfunded Actuarial Accrued Liabilities (UAAL) while keeping the member and employer contribution rates at or near those paid during 2010-2011.

A. Summary of Funding Policy (continued)

Annual Actuarial Valuation to Set Contribution Rates

Annual actuarial valuations of the System's assets and liabilities shall be performed by an actuary. The contribution rate shall be established based on the results of these valuations. The funding policy requires that the Actuarially Determined Contribution Rate ("ADC") is equal to the sum of the employer normal cost and an amortization of the unfunded actuarial accrued liability (UAAL). The contribution rates shall be approved by the Board no later than December 31st for the upcoming school year.

The Board, at its discretion (to the extent permitted by law), may authorize a change in the member and employer contribution rates from one year to the next should the actuary determine that the target date of full funding by 2040 will not be met. The decision by the Board will be based on the number of years of the divergence from the target date and the likelihood that this divergence is permanent.

B. Development of Funded Status

		 June 30, 2013		June 30, 2014	
1.	Present Value of Future Benefits				
	a. Member Contribution Balances	\$ 6,856,920,007	\$	6,985,665,067	
	b. Retirees, Beneficiaries, and Disableds	22,328,794,889		23,579,997,567	
	c. Inactives	74,467,654		101,926,552	
	d. Actives	 15,447,188,509		15,611,874,950	
	e. Total: $(1)(a) + (1)(b) + (1)(c) + (1)(d)$	\$ 44,707,371,059	\$	46,279,464,136	
2.	Actuarial Accrued Liability				
	a. Member Contribution Balances	\$ 6,856,920,007	\$	6,985,665,067	
	b. Retirees, Beneficiaries, and Disableds	22,328,794,889		23,579,997,567	
	c. Inactives	74,467,654		101,926,552	
	d. Actives	 7,497,982,861		7,815,594,746	
	e. Total: $(2)(a) + (2)(b) + (2)(c) + (2)(d)$	\$ 36,758,165,411	\$	38,483,183,932	
3.	Actuarial Value of Assets ¹				
	a. Member Contribution Balances	\$ 6,856,920,007	\$	6,985,665,067	
	b. Retirees, Beneficiaries, and Disableds	22,328,794,889		23,579,997,567	
	c. Inactives	74,467,654		101,926,552	
	d. Actives	 182,964,322		1,179,010,201	
	e. Total: $(3)(a) + (3)(b) + (3)(c) + (3)(d)$	\$ 29,443,146,872	\$	31,846,599,387	
4.	Unfunded Actuarial Accrued Liability ¹				
	a. Member Contribution Balances: (2)(a) - (3)(a)	\$ -	\$	-	
	b. Retirees, Beneficiaries, and Disableds: (2)(b) - (3)(b)	-		-	
	c. Inactives: (2)(c) - (3)(c)	-		-	
	d. Actives: (2)(d) - (3)(d)	 7,315,018,539		6,636,584,545	
	e Total: (2)(e) - (3)(e)	7,315,018,539		6,636,584,545	
5.	Funded Percentage ¹				
	a. Member Contribution Balances: (3)(a)/(2)(a)	100.0%		100.0%	
	b. Retirees, Beneficiaries, and Disableds: (3)(b)/(2)(b)	100.0%		100.0%	
	c. Inactives: $(3)(c)/(2)(c)$	100.0%		100.0%	
	d. Actives: (3)(d)/(2)(d)	 2.4%		15.1%	
	e. Total: (3)(e)/(2)(e)	80.1%		82.8%	

¹ In determining the funded percentage, the assets are allocated first to member contribution balances, then to the retiree/beneficiary/disabled liability, then to the inactive liability, and then to the active liability.

C. Reconciliation of Unfunded Actuarial Accrued Liability

			J	une 30, 2014
1.	Uni	funded Actuarial Accrued Liability, Prior Year	\$	7,315,018,539
2.	Cha	anges in Unfunded Actuarial Accrued Liability		
	a.	Impact of Plan Changes	\$	-
	b.	Actuarial (Gains) / Losses		
		i. From Investment	\$	(997,611,890)
		ii. From Actuarial Liabilities Due to Assumption Changes		-
		iii. From Actuarial Liabilities Due to Actual vs. Expected COLA		-
		iv. From Actuarial Liabilities Due to Actual vs. Expected Salary Changes		(147,358,158)
		v. From Actuarial Liabilities Due to Other Demographic and Experience		373,949,974
		vi. Total Unfunded Actuarial Accrued Liability (Gain)/Loss	\$	(771,020,074)
	c.	(Excess) / Shortfall of Contributions ¹		(21,842,946)
	d.	Total New Amortization Bases: $(2)(a) + (2)(b)(vi) + (2)(c)$	\$	(792,863,020)
	e.	Net Change in Existing Bases Due to Prior Year Contributions, Net of Interest		114,429,026
	f.	Total Changes in Unfunded Actuarial Accrued Liability: (2)(d) + (2)(e)	\$	(678,433,994)
3.	Uni	funded Actuarial Accrued Liability, Current Year: (1) + (2)(f)	\$	6,636,584,545

¹ Includes the net effect of total contributions in excess of the Actuarially Determined Contribution Rate and member contributions for service purchases being less than the resulting increase in liability.

D. Reconciliation of Actuarial Accrued Liability

1.	June 30, 2013 Actuarial Accrued Liability	\$ 36,758,165,411
2.	Normal Cost for 2014 Plan (Mid-Year)	849,712,130
3.	Benefit Payments ¹	2,236,468,407
4.	Interest of 8% on $(1) + (2)/2 - (3)/2$	 2,885,182,982
5.	Expected June 30, 2014 Actuarial Accrued Liability:	\$ 38,256,592,116
	(1) + (2) - (3) + (4)	

			Dollar Change in Liability	Percent Change in Liability
6.	(Ga	ain)/Loss Components	 	
	a.	Legislative Changes	\$ -	0.0%
	b.	Assumption Changes	-	0.0%
	c.	Actual vs. Expected COLA	-	0.0%
	d.	Actual vs. Expected Salary Changes	(147,358,158)	(0.4%)
	e.	Demographic and Other Experience	 373,949,974	1.0%
	f.	Total: $(6)(a) + (6)(b) + (6)(c) + (6)(d) + (6)(e)$	\$ 226,591,816	0.6%

^{7.} Actual June 30, 2014 Actuarial Accrued Liability: (5) + (6)(f)

\$ 38,483,183,932

¹ Includes refunds of accumulated member contributions.

E. Reconciliation of Market Value of Assets

		 June 30, 2014
1.	Market Value of Assets, Prior June 30	\$ 30,375,416,792
2.	Operating Revenues (Receipts)	
	a. Employer Contributions	\$ 643,989,869
	b. Member Contributions	679,390,918
	c. Interest	163,970,579
	d. Dividends	152,739,472
	e. Net Income from Security Lending Activities	3,375,138
	f. Net Capital Appreciation/(Depreciation)	4,677,159,668
	g. Investment Expenses	(70,052,440)
	h. Other Income	 6,171
	i Total Receipts:	\$ 6,250,579,375
	(2)(a) + (2)(b) + (2)(c) + (2)(d) + (2)(e) + (2)(f)+(2)(g)+(2)(h)	
3.	Operating Expenses (Disbursements)	
	a. Benefit Payments	\$ 2,180,546,938
	b. Refunds to Members	55,921,469
	c. Administrative Expenses	8,902,611
	d. Other Expenses	 16,588
	e. Total Disbursements:	\$ 2,245,387,606
	(3)(a) + (3)(b) + (3)(c) + (3)(d)	
4.	Excess of Revenues over Expenses: (2)(i) - (3)(e)	\$ 4,005,191,769
5.	Market Value of Assets, Current June 30: (1) + (4)	\$ 34,380,608,561

F. Development of Actuarial Value of Assets

1.	Actuarial Value of Assets June 30, 2013	\$	29,443,146,872
2.	Activity for Fiscal Year 2014		
	a. Contributions	\$	1,323,380,787
	b. Benefit Payments		(2,236,468,407)
	c. Net Cash Flow	\$	(913,087,620)
3.	Expected Returns	\$	2,318,928,245
4.	Assets Before Allocation of Gain/Loss: $(1) + (2) + (3)$	\$	30,848,987,497
5.	Actual Returns for 2014 (Net of Expenses)	\$	4,918,279,389
6.	Excess Returns for 2015: (5) - (3)	\$	2,599,351,144
7.	Recognized Excess Returns:		
	2014	\$	519,870,229
	2013		218,057,434
	2012		(374,366,109)
	2011		546,202,465
	2010		87,847,871
	Total	\$	997,611,890
8	Actuarial Value of Assets June 20, 2014: $(4) + (7)$	¢	21 846 500 287

8. Actuarial Value of Assets, June 30, 2014: (4) + (7)

\$ 31,846,599,387

G. Contribution Rate

	J	une 30, 2013	J	une 30, 2014
Development of Actuarially Determined Contribution Rate:				
1. Anticipated Payroll	\$	4,460,871,713	\$	4,425,567,630
2. Normal Cost (Mid-Year)				
a. Amount	\$	849,712,130	\$	836,085,151
b. Percentage of Payroll		19.05%		18.89%
3. Unfunded Actuarial Accrued Liability (UAAL) Annual Amortizations (Mid-Year)				
a. Amount	\$	453,336,439	\$	421,555,305
b. Percentage of Payroll		10.16%		9.53%
4. Actuarially Determined Contribution Rate				
a. Percentage of Payroll: $(2)(b) + (3)(b)$		29.21%		28.42%
b. Effective UAAL Amortization Period		28.2 Years		26.9 Years
5. Recommended Total Contribution Rate, Member + Employer				
a. Percentage of Payroll		29.00%		29.00%
b. Effective UAAL Amortization Period		29.4 Years		24.2 Years
c. Effective Date		July 1, 2014		July 1, 2015

H. Determination of the Normal Cost Rate

		 Dollar (mid-year) ¹	Rate
1.	Active Members		
	a. Retirement Benefits	\$ 731,446,558	16.53%
	b. Termination Benefits	80,699,876	1.82%
	c. Death Benefits	13,185,817	0.30%
	d. Disability Benefits	 10,752,900	0.24%
	e. Total Normal Cost	\$ 836,085,151	18.89%
2.	Anticipated Member Payroll	\$ 4,425,567,630	

¹ Normal cost amounts include a 2.00% load for anticipated losses on service purchases.

						Amortization	
	Date Base		Remaining	Remaining		Amount	
-	Established	Reason	 Balance ¹	Period		Mid-Year	Rate
1.	6/30/2007	Plan Amendment	\$ 32,070,351	13	\$	3,270,406	0.07%
2.	6/30/2011	UAAL Fresh Start	5,211,974,407	27		330,637,462	7.47%
3.	6/30/2012	Experience Loss	1,543,500,469	28		96,059,678	2.17%
4.	6/30/2013	Experience Loss	705,013,431	29		43,093,272	0.97%
5.	6/30/2013	Plan Amendment ²	(63,111,093)	29		(3,857,605)	-0.08%
6.	6/30/2014	Experience Gain	 (792,863,020)	30	_	(47,647,908)	-1.07%
	Total		\$ 6,636,584,545		\$	421,555,305	9.53%
7.	Anticipated Mer	nber Payroll			\$	4,425,567,630	

I. Determination of the Unfunded Actuarial Accrued Liability Amortization Rate

¹ Amortized as a level percent of payroll using the 3.50% payroll growth assumption and an 8% discount rate.

² Includes the permanent extension of the Special Early Retirement ("25-and-out") benefit and one year extension of the enhanced Normal Retirement

("2.55% formula factor") benefit for members who retire with 31 or more years of service, which reduced the Actuarial Accrued Liability and is therefore being amortized over 30 years.

J. History of Contribution Rates¹

		Total
 Valuation Date	Effective Date	Contribution Rate
June 30, 2001	July 1, 2002	21.00%
June 30, 2002	July 1, 2003	21.00%
June 30, 2003	July 1, 2004	22.00%
June 30, 2004	July 1, 2005	23.00%
June 30, 2005	July 1, 2006	24.00%
June 30, 2006	July 1, 2007	25.00%
June 30, 2007	July 1, 2008	26.00%
June 30, 2008	July 1, 2009	27.00%
June 30, 2009	July 1, 2010	28.00%
June 30, 2010	July 1, 2011	29.00%
June 30, 2011	July 1, 2012	29.00%
June 30, 2012	July 1, 2013	29.00%
June 30, 2013	July 1, 2014	29.00%

¹ Valuation results prior to June 30, 2009 were calculated by the prior actuary.

K. Historical Investment Experience

	Rate of Investme	ent Return	Actuarial Assumed
Year Ending June 30	Market Basis ¹	Actuarial Basis ^{2,3}	Interest Rate
2005	9.0%	9.0%	8.00%
2006	9.6%	9.3%	8.00%
2007	16.4%	11.0%	8.00%
2008	(4.4%)	8.1%	8.00%
2009	(19.5%)	2.1%	8.00%
2010	12.8%	2.3%	8.00%
2011	21.6%	4.0%	8.00%
2012	1.7%	1.2%	8.00%
2013	12.4%	4.4%	8.00%
2014	16.7%	11.0%	8.00%

¹ As provided by PSRS. Net of all expenses and fees.

² Approximate return, assuming all cash flows occurred at mid-year.

 $^{^3}$ Valuation results prior to June 30, 2009 were calculated by the prior actuary.

ACCOUNTING

A. Statement of Fiduciary Net Position under GASB #67 as of June 30, 2014	19
B. Statement of Changes in Fiduciary Net Position under GASB #67 for the Year Ended June 30, 2014	20
C. Net Pension Liability under GASB #68 for the Year Ended June 30, 2014	21
D. Deferred Inflows and Outflows of Resources under GASB #68 for the Year Ended June 30, 2014	22
E. Pension Expense under GASB #68 for the Year Ended June 30, 2014	23
F. Selected Notes to the Financial Statements under GASB #67 and #68	24
G. Schedule of Changes in the Net Pension Liability and Plan Fiduciary Net Position under GASB #67 and #68	26
H. Schedule of Net Pension Liability and Related Ratios under GASB #67 and #68	27
I. Schedule of Contributions under GASB #67 and #68	28
J. Schedule of Money-Weighted Returns under GASB #67 and #68	29

PLAN FINANCIAL STATEMENTS UNDER GASB #67

A. Statement of Fiduciary Net Position under GASB #67 as of June 30, 2014

1.	Ass	ets	
	a.	Cash	\$ 125,545,964
	b.	Receivables	
		i. Contributions Receivable	\$ 217,795,053
		ii. Accrued Interest and Dividends	56,552,913
		iii. Investment Sales	1,489,918,155
		iv. Due from PEERS	-
		v. Other	 145,118
		vii. Total Receivables	\$ 1,764,411,239
	c.	Total Investments	
		i. Short-Term Investments	\$ 732,515,518
		ii. US Treasuries and TIPS	5,171,784,938
		iii. US Public Equities	12,846,461,842
		iv. Global Public Equities	5,415,641,247
		v. Public Debt	2,677,877,169
		vi. Private Equity	2,388,718,420
		vii. Private Credit	347,410,637
		viii. Private Real Estate	2,368,954,676
		ix. Hedged Assets	 5,019,234,820
		x. Total Investments	\$ 36,968,599,267
	d.	Invested Securities Lending Collateral	384,994,457
	e.	Prepaid Expenses	382,129
	f.	Fixed Assets, Net of Depreciation	 23,861,742
	g.	Total Assets: $(1)(a) + (1)(b)(vii) + (1)(c)(x) + (1)(d) + (1)(e) + (1)(f)$	\$ 39,267,794,798
2.	Lial	bilities	
	a.	Accounts Payable	\$ 16,422,528
	b.	Interest Payable	146,536
	c.	Securities Lending Collateral	384,995,196
	d.	Investment Purchases	4,481,627,400
	e.	Due to PEERS	1,901,569
	f.	Lease Liability	-
	g.	Accrued Medical Claims	75,000
	h.	OPEB Liability	884,535
	i.	Compensated Absences	 1,133,473
	j.	Total Liabilities: $(2)(a) + (2)(b) + (2)(c) + (2)(d) + (2)(e) + (2)(f) + (2)(g) + (2)(h) + (2)(i)$	\$ 4,887,186,237
3.	Fidu	iciary Net Position Restricted for Pensions: (1)(g) - (2)(j)	\$ 34,380,608,561

PLAN FINANCIAL STATEMENTS UNDER GASB #67

B. Statement of Changes in Fiduciary Net Position under GASB #67 for the Year Ended June 30, 2014

1.	Fiduciary Net Position as of June 30, 2013	\$ 30,375,416,792
2.	Additions	
	a. Contributions	
	i. Member Contributions	\$ 679,390,918
	ii. Employer Contributions	643,989,869
	iii. Non-Employer Contributing Entity Contributions	 -
	iv. Total Contributions	\$ 1,323,380,787
	b. Investment Income/(Loss)	
	i. Net Appreciation/(Depreciation)	\$ 4,677,159,668
	ii. Net Interest and Dividend Income	316,710,051
	iii. Securities Lending Income	1,059,858
	iv. Other Net Investment Income	-
	v. Investment Expenses	(70,052,440)
	vi. Securities Lending Expenses	 2,315,280
	vii. Total Investment Income/(Loss)	\$ 4,927,192,417
	c. Other Additions	
	i. PSRS Capital Asset Change	\$ -
	ii. Miscellaneous Income	 6,171
	iii. Total Other Additions	\$ 6,171
	d. Total Revenue (Additions): $(2)(a)(iv) + (2)(b)(vii) + (2)(c)(iii)$	\$ 6,250,579,375
3.	Deductions	
	a. Monthly Benefits	\$ 2,180,546,938
	b. Refunds of Contributions	55,921,469
	c. Administrative Expenses	8,902,611
	d. Other Expenses	 16,588
	e. Total Expenses (Deductions): $(3)(a) + (3)(b) + (3)(c) + (3)(d)$	\$ 2,245,387,606
4.	Net Increase (Decrease) in Fiduciary Net Position: (2)(d) - (3)(e)	\$ 4,005,191,769
5.	Fiduciary Net Position as of June 30, 2014: (1) + (4)	\$ 34,380,608,561

EMPLOYER FINANCIAL STATEMENTS UNDER GASB #68

C. Net Pension Liability under GASB #68 for the Year Ended June 30, 2014

1.	 Total Pension Liability a. Total Pension Liability - Beginning of year b. Total service cost¹ c. Interest cost² d. Experience (gains)/losses e. Assumption changes f. Plan amendments g. Benefit payments³ h. Total Pension Liability - End of year 	\$ 36,758,165,411 849,712,130 2,885,182,982 226,591,816 - (2,236,468,407) 38,483,183,932
2.	Plan Fiduciary Net Position a. Plan Fiduciary Net Position - Beginning of year b. Employer contributions c. Member contributions d. Non-employer contributing entity contributions e. Investment return i. Expected investment return ⁴ ii. Investment gain/(loss) iii. Total investment return iv. Investment return f. Benefit payments ³ g. Administrative and Other Expenses h. Plan Fiduciary Net Position - End of year:	\$ 30,375,416,792 643,989,869 679,390,918 - - 4,927,198,588 (2,236,468,407) (8,919,199) 34,380,608,561
3. 1 2 3 4 5	Net Pension Liability a. Net Pension Liability: (1)(h) - (2)(h) b. Plan Fiduciary Net Position as a Percentage of the Total Pension Liability : (2)(h) / (1)(h) Mid-year Includes interest of 4.00% on the mid-year service cost and reflects actual benefit payments. Includes refunds of accumulated member contributions. 8.00%, net of investment expenses and assuming cash flows occur at mid-year.	\$ 4,102,575,371 89.3%

⁵ Includes securities lending expenses.

EMPLOYER FINANCIAL STATEMENTS UNDER GASB #68

D. Deferred Inflows and Outflows of Resources under GASB #68 for the Year Ended June 30, 2014 1

		'iscal Year stablished	Reason			Remaining Balance	Remaining Period	A	Annual Recognition
1.	Liability a.	v experience ga 2014	ins / (losses) Experience loss		\$	(226,591,816)	6.39	\$	(35,460,378)
			1	Sub-Total	\$	(226,591,816)		\$	(35,460,378)
2.	Assump	otion change ga	nins / (losses)		¢			¢	
		None		Sub-Total	\$	-		\$	-
0	Invoctor	ient gains / (lo	acas) ²	Sub-Totai	\$	-		\$	-
3.	a.	2014	Investment gain		\$	2,466,308,357	5.00	\$	493,261,671
			Sub-Total		\$	2,466,308,357		\$	493,261,671
4.	Total co	llective deferre	ed inflows / (outflows): (1) + (2) + (3)		\$	2,239,716,541		\$	457,801,293

Amounts reported as collective deferred inflows / outflows of resources to be recognized in pension expense:

Year Ending June 30:	
2014	\$ 457,801,293
2015	\$ 457,801,293
2016	\$ 457,801,293
2017	\$ 457,801,293
2018	\$ 457,801,295
2019	\$ (35,460,378)
Thereafter	\$ (13,829,548)

¹ The effort and cost to re-create financial statement information for 10-years was not practical. Information was prepared prospectively from June 30, 2013 for GASB #68 purposes.

² Net of investment expenses.

EMPLOYER FINANCIAL STATEMENTS UNDER GASB #68

E. Pension Expense under GASB #68 for the Year Ended June 30, 2014

1. Service cost Total service cost¹ \$ 849,712,130 a. (679,390,918) b. Member contributions c. Administrative and other expenses 8,919,199 Net employer service cost d. \$ 179,240,411 2. Plan amendments \$ 3. Interest cost² 2,885,182,982 \$ 4. Expected return on assets ³ (2,460,890,231) \$ 5. Recognition of deferred (inflows) / outflows of resources related to: Liability experience (gains) / losses \$ a. 35,460,378 Assumption changes (gains) / losses b. Investment (gains) / losses c. (493,261,671) Total: (5)(a) + (5)(b) + (5)(c)(457,801,293) d. \$ 6. Total collective pension expense: (1)(d) + (2) + (3) + (4) + (5)(d)145,731,869 \$

¹ Mid-year.

- ² Includes interest of 4.00% on the total mid-year service cost.
- ³ 8.00% net of investment expenses and assuming cash flows occur at mid-year. Includes interest of 4.00% on member contributions and administrative expenses.

NOTES TO THE FINANCIAL STATEMENTS UNDER GASB #67 AND #68

F. Selected Notes to the Financial Statements under GASB #67 and #68

- 1. The Public School Retirement System of Missouri is a cost-sharing multiple-employer plan for GASB accounting purposes.
- 2. Significant actuarial assumptions and other inputs used to measure the total pension liability:

- Measurement Date	June 30, 2014
- Valuation Date	June 30, 2014
- Inflation	2.50%
- Total Payroll Growth	3.50% per annum, consisting of 2.50% inflation, 0.50% additional inflation due to the inclusion of health care costs in pension earnings, and 0.50% of real wage growth.
- Future Salary Increases	4.00% - 10.00%, depending on service and including 2.50% inflation, 0.50% additional inflation due to the inclusion of health care costs in pension earnings, and real wage growth of 1.00% to 7.00%.
- Cost-of-Living Increases	2.0% compounded annually, beginning on the second January after retirement and capped at 80% lifetime increase.
- Mortality Assumption	
Actives:	RP 2000 Mortality Table set back one year for males and six years for females, then projected to 2016 using Scale AA.
Non-Disabled Retirees, Beneficiaries and Survivors:	RP 2000 Mortality Table set back one year for both males and females, then projected to 2016 using Scale AA.
Disabled Retirees:	RP 2000 Disabled Mortality Table
- Experience Study	The Board of Trustees shall adopt actuarial assumptions, each of which individually represents a reasonable long-term estimate of anticipated experience under the System, derived from experience studies conducted every fifth year. The most recent comprehensive experience study was completed in 2011 and was based on member experience between June 30, 2005 and June 30, 2010. With the exception of the expected return on assets assumption, which was reviewed independently by PSRS investment staff and consultants, all economic and demographic assumptions were reviewed and updated, if necessary, based on the results of the study and effective with the June 30, 2011 valuation. Since that time, minor changes to the assumptions were made for the July 1, 2012 valuation to reflect changes in the administrative conversion factors for computing optional forms of benefit and a reduction in the assumed interest on member contribution balances. For the July 1, 2013 valuation, future retirement rates were updated to reflect the legislative changes that made the Special Early Retirement ("25-and-out") benefit a permanent feature and extended the enhanced Normal Retirement ("2.55% formula factor") benefit for members who retire with 31 or more years of service for one year. Also, a new assumption was made to distinguish future service accruals for members working in positions covered by Social Security versus those who are not.

NOTES TO THE FINANCIAL STATEMENTS UNDER GASB #67 AND #68

F. Selected Notes to the Financial Statements under GASB #67 and #68 (Cont.)

- Discount Rate The discount rate used to measure the total pension liability was 8.00% as of June, 30, 2014, and is equal to the long-term expected return on plan investments. The projection of cash flows used to determine the discount rate assumed that employer contributions would be made at the actuarially calculated rate computed in accordance with assumptions and methods stated in the funding policy adopted by the Board, which requires payment of the normal cost and amortization of the unfunded actuarially accrued liability in level percent of employee payroll installments over 30 years utilizing a closed period, layered approach. Based on this assumption, the pension plan's fiduciary net position was projected to be available to make all projected future benefit payments of current plan members.

-	Discount Rate Sensitivity	1% l	Decrease (7.00%)	Current Rate (8.00%)			1%	1% Increase (9.00%)	
	Net Pension Liability	\$	8,687,244,559	\$	4,102,575,371	-	\$	257,070,220	

3. Classes of plan members covered:

- Retired members, beneficiaries and disabled members receiving benefits:	54,486
- Inactive members (vested and non-vested):	14,451
- Former members:	3,800
- Active Plan Members:	75,168
- Total membership:	147,905

4. Money-weighted rate of return:

The money-weighted rate of return equals the investment performance, net of pension plan investment expenses, and adjusted for the changing amounts actually invested. For the fiscal year ending June 30, 2014, the money-weighted return on the plan assets is 16.7%.

5. The components of the Net Pension Liability for the Public School Retirement System of Missouri as of June 30, 2014, are as follows:

-	Total Pension Liability	\$ 38,483,183,932
-	Plan Fiduciary Net Position	34,380,608,561
-	Net Pension Liability	\$ 4,102,575,371
-	Plan Fiduciary Net Position as a Percentage of the Total Pension Liability	89.3%

REQUIRED SUPPLEMENTARY INFORMATION UNDER GASB #67 AND #68

G. Schedule of Changes in the Net Pension Liability and Plan Fiduciary Net Position under GASB #67 and #68 1

Year Ending June 30:		2014	
 Total Pension Liability a. Total Pension Liability - Beginning of year b. Total service cost ² c. Interest cost ³ d. Experience (gains)/losses e. Assumption changes f. Plan amendments 	\$	36,758,165,411 849,712,130 2,885,182,982 226,591,816 -	
 g. Benefit payments ⁴ h. Total Pension Liability - End of year: 	\$	(2,236,468,407) 38,483,183,932	
 2. Plan Fiduciary Net Position a. Plan Fiduciary Net Position - Beginning of year b. Employer contributions c. Member contributions d. Non-employer contributing entity contributions e. Net investment return f. Benefit payments ⁴ g. Administrative and Other Expenses h. Plan Fiduciary Net Position - End of year: 	\$ \$	30,375,416,792 643,989,869 679,390,918 - 4,927,198,588 (2,236,468,407) (8,919,199) 34,380,608,561	

¹ The effort and cost to re-create financial statement information for 10-years was not practical. Information was prepared prospectively from June 30, 2013 for GASB #67 and GASB #68 purposes.

² Mid-year.

³ Includes interest of 4.00% on the mid-year service cost.

⁴ Includes refunds of accumulated member contributions and other interfund transfers.

REQUIRED SUPPLEMENTARY INFORMATION UNDER GASB #67 AND #68

H. Schedule of Net Pension Liability and Related Ratios under GASB #67 and #68 1

1.	2.	3.	4.	5.	6. Anticipated	7. Net Pension
Year	Total Pension	Plan Fiduciary	Net Pension	Fiduciary Net Position as a Percentage of	Covered Employee	Liability as a Percentage of
Ending	Liability	Net Position	Liability	Total Pension Liability	Payroll	Covered Payroll
			(2) - (3)	(3) / (2)		(4) / (6)
6/30/2014	\$ 38,483,183,932	\$ 34,380,608,561	\$ 4,102,575,371	89.3%	\$ 4,425,567,630	92.7%

¹ The effort and cost to re-create financial statement information for 10-years was not practical. Information was prepared prospectively from June 30, 2013 for GASB #67 and GASB #68 purposes.

REQUIRED SUPPLEMENTARY INFORMATION UNDER GASB #67 AND #68

I. Schedule of Contributions under GASB #67 and #68¹

1.	2.		3.		4.		5. Actual	6.
Year Ending	Actuarially Determined Contribution ¹	Actual Employer Contributions		Contribution Excess / (Deficiency) (Deficiency) (3) - (2)		Covered Member Payroll		Contributions as a Percentage of Covered Payroll (3) / (5)
6/30/2005	\$ 593,328,374	\$	389,415,997	\$	(203,912,377)	\$	3,540,145,427	11.00%
6/30/2006	608,134,319		429,578,911		(178,555,408)		3,735,468,791	11.50%
6/30/2007	644,969,214		472,216,630		(172,752,584)		3,935,138,583	12.00%
6/30/2008	656,347,298		521,241,501		(135,105,797)		4,169,932,008	12.50%
6/30/2009	669,643,988		563,454,487		(106,189,501)		4,334,265,285	13.00%
6/30/2010	658,161,150		594,326,122		(63,835,028)		4,402,415,719	13.50%
6/30/2011	684,366,766		594,732,137		(89,634,629)		4,248,086,693	14.00%
6/30/2012	720,303,976		620,214,231		(100,089,745)		4,277,339,524	14.50%
6/30/2013	507,232,268		634,040,335		126,808,067		4,372,691,966	14.50%
6/30/2014	608,459,393		643,989,869		35,530,476		4,441,309,441	14.50%

¹ Valuation results prior to June 30, 2009 were computed by the prior actuary.

REQUIRED SUPPLEMENTARY INFORMATION UNDER GASB #67 AND #68

J. Schedule of Money-Weighted Returns under GASB #67 and #68¹

1.	2.
Year	Money-Weighted
Ending	Rate of Return

6/30/2014

16.7%

¹ The effort and cost to re-create financial statement information for 10-years was not practical. Information was prepared prospectively from June 30, 2013 for GASB #67 and GASB #68 purposes.

SECTION IV - CENSUS DATA

CENSUS DATA

	<u>Page</u>
A. Reconciliation of Member Counts	30
B. Member Census Statistics as of June 30, 2014	31
C. History of Active Member Average Pay, Age, and Service	32
D. Distribution of Active Members by Salary	33
E. Distribution of Active Members by Age and Service	34
F. Distribution of Inactive Members by Age and Service	35
G. Distribution of Retired Members, Beneficiaries, and Disabled Members by Age and Number of Years Retired	36
H. History of Retirees, Beneficiaries, and Disabled Members	37
I. History of Cost of Living Increases to Retired Members	38
J. Distribution of Retired Members by Type and Monthly Amount	39
K. Distribution of Retired Members by Type of Benefit	40

A. Reconciliation of Member Counts

	Actives	Former Members ¹	Inactive Members	Disabled Retirements	Service Retirements	Beneficiary	Total
Total as of June 30, 2013 ²	78,076	3,336	11,649	843	47,646	3,817	145,367
New Memberships	5,002	30	664	0	0	0	5,696
Terminated Members Reinstated	616	0	(616)	0	0	0	0
Withdrawals	(858)	(631)	(858)	0	0	0	(2,347)
Other Terminations	(4,933)	1,064	3,869	0	0	0	0
Service Retirements	(2,633)	0	(235)	0	2,868	0	0
Disabled Retirements	(48)	0	(3)	51	0	0	0
Death with Beneficiary	(21)	(18)	(1)	(16)	(218)	274	0
Death without Beneficiary	(28)	7	(12)	(16)	(589)	(142)	(780)
Reciprocity	0	0	(5)	0	0	0	(5)
Benefit Expirations and Permanent Holds	0	0	0	(4)	0	(31)	(35)
Data Adjustments ³	(5)	12	(1)	1	0	2	9
Total as of June 30, 2014 4	75,168	3,800	14,451	859	49,707	3,920	147,905

¹ Includes terminated and deceased former members whose contributions had yet to be distributed as of the valuation date.

² Includes 115 members with benefits on hold that will be re-started at a future date.

 $^{^3}$ Includes 10 voided memberships that were removed and 16 memberships that were added.

⁴ Includes 106 members with benefits on hold that will be re-started at a future date.

B. Member Census Statistics as of June 30, 2014

	 Male	 Female	 Total
1. Active			
Number	17,248	57,920	75,168
Average Age	42.1	42.3	42.2
Average Years of Service	11.7	11.6	11.8
Anticipated Payroll of Actives ¹	\$ 1,124,815,823	\$ 3,300,751,807	\$ 4,425,567,630
2. Inactive			
Vested			
Number	1,662	7,222	8,884
Annual Deferred Annuities	\$ 21,527,796	\$ 74,556,226	\$ 96,084,022
Non Vested			
Number	1,179	4,388	5,567
Account Balance	\$ 14,197,423	\$ 50,046,688	\$ 64,244,111
Former Members Entitled to a Deferred Annuity			
Number ²	1	66	67
Annual Deferred Annuities	\$ 4,428	\$ 564,022	\$ 568,450
Former Members Entitled to a Refund of Contributions			
Number	751	2,982	3,733
Account Balance	\$ 6,414,159	\$ 25,134,723	\$ 31,548,882
4. Retiree/Beneficiary/Disabled			
Number	15,504	38,982	54,486
Average Age	69.3	68.8	69.0
Annual Benefits Payable	\$ 685,266,613	\$ 1,449,291,160	\$ 2,134,557,773

¹ Figures shown are the anticipated pay for the one-year period following the valuation date.

² Former members entitled to a deferred annuity without gender are assumed to be female.

1. Valuation	2. Active		3. Covered Payroll	Δ	4. Average	5. Annual Percent	6. Average Attained	7. Average Years of
Date	Members	(\$ ir	n Thousands)		Pay 3) / (2)	Change	Age	Service
6/30/1994	60,595	\$	1,996,908	\$	32,955	3.2%	42.5	12.3
6/30/1995	62,854		2,137,134		34,002	3.2%	42.5	12.3
6/30/1996	64,624		2,283,994		35,343	3.9%	42.6	12.3
6/30/1997	66,456		2,427,429		36,527	3.3%	42.5	12.1
6/30/1998	68,709		2,577,594		37,515	2.7%	42.5	11.9
6/30/1999	70,092		2,690,353		38,383	2.3%	42.5	11.7
6/30/2000	71,706		2,836,062		39,551	3.1%	42.5	11.6
6/30/2001	72,688		2,982,051		41,025	3.7%	42.4	11.3
6/30/2002	73,673		3,213,461		43,618	6.3%	42.3	11.2
6/30/2003	74,347		3,373,058		45,369	4.0%	42.4	11.3
6/30/2004	73,797		3,408,230		46,184	1.8%	42.5	11.4
6/30/2005	73,850		3,540,649		47,944	3.8%	42.5	11.4
6/30/2006	75,540		3,775,752		49,983	4.3%	42.4	11.2
6/30/2007	77,121		3,980,698		51,616	3.3%	42.3	11.1
6/30/2008	78,436		4,209,417		53,667	4.0%	42.2	11.1
6/30/2009	79,335		4,439,381		55,957	4.3%	42.2	11.1
6/30/2010	79,256		4,493,865		56,701	1.3%	42.3	11.3
6/30/2011	77,708		4,338,976		55,837	-1.5%	42.3	11.5
6/30/2012	77,529		4,379,060		56,483	1.2%	42.2	11.4
6/30/2013	78,076		4,460,872		57,135	1.2%	42.1	11.4
6/30/2014	75,168		4,425,568		58,876	3.0%	42.2	11.8

C. History of Active Member Average Pay, Age, and Service¹

¹ Valuation results prior to June 30, 2009 were calculated by the prior actuary.

D. Distribution of Active Members by Salary

Annual Salary	Number	Percent
Under \$20,000	1,287	1.71%
\$20,000 - 24,999	819	1.09%
\$25,000 - 29,999	1,013	1.35%
\$30,000 - 34,999	1,854	2.47%
\$35,000 - 39,999	4,902	6.52%
\$40,000 - 44,999	9,024	12.01%
\$45,000 - 49,999	10,499	13.97%
\$50,000 - 54,999	9,799	13.03%
\$55,000 - 59,999	8,230	10.95%
\$60,000 - 64,999	6,465	8.60%
\$65,000 - 69,999	5,204	6.92%
\$70,000 - 74,999	3,859	5.13%
\$75,000 - 79,999	3,045	4.05%
\$80,000 - 84,999	2,464	3.28%
\$85,000 - 89,999	1,782	2.37%
\$90,000 - 94,999	1,539	2.05%
\$95,000 - 99,999	985	1.31%
\$100,000 & Over	2,398	3.19%
Total	75,168	100.00%

Г

<u>E. Distribution of Active Members by Age and Service</u>

Attained		Ι	Distribution of Ac	tive Members by A	Age and Service as	s of June 30, 2014	ŀ	
Age	o to 4 years	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	Over 30	Total
<25	1,336							1,336
25-29	6,713	2,016						8,729
30-34	2,789	6,581	1,787					11,157
35-39	1,865	2,943	5,347	1,538	1			11,694
40-44	1,435	2,088	2,463	4,508	1,070	2		11,566
45-49	1,009	1,612	1,757	2,153	2,855	797	5	10,188
50-54	704	1,238	1,497	1,639	1,506	2,048	479	9,111
55-59	466	805	1,093	1,446	1,315	776	522	6,423
60-64	281	516	640	878	727	439	250	3,731
65-69	110	182	227	260	205	128	121	1,233
Total	16,708	17,981	14,811	12,422	7,679	4,190	1,377	75,168

F. Distribution of Inactive Members by Age and Service

Attained		Distrib	ution of Inactive	Members by Age a	and Service as of J	June 30, 2014		
Age	o to 4 years	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	Over 30	Total
<25	237							237
25-29	1,881	230						2,111
30-34	1,236	1,189	66					2,491
35-39	565	1,217	429	19				2,230
40-44	438	1,041	407	183	14			2,083
45-49	345	758	377	173	58	5		1,716
50-54	290	670	407	179	62	10	3	1,621
55-59	218	582	367	207	62	2		1,438
60-64	103	156	95	40	10		1	405
65-69	63	29	17	7	2	1		119
Total	5,376	5,872	2,165	808	208	18	4	14,451

G. Distribution of Retired Members, Beneficiaries, and Disabled Members by Age and Number of Years Retired

Attained	Distribution	Distribution of Retired Members, Beneficiaries, and Disabled Members by Age and Number of Years Retired as of June 30, 2014								
Age	o to 4 years	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	Over 30	Total		
<25	93	74	50	22	7			246		
25-29	6	7	1	2				16		
30-34	17	14	4	3	1	1		40		
35-39	27	18	9	3	1	1		59		
40-44	47	27	13	5	4	2		98		
45-49	118	26	18	10	2	7	4	185		
50-54	931	145	24	16	6	3	4	1,129		
55-59	3,338	1,340	186	29	10	8	6	4,917		
60-64	4,760	4,524	2,004	247	23	19	16	11,593		
65-69	2,997	6,373	9,583	8,094	4,520	2,879	1,757	36,203		
Total	12,334	12,548	11,892	8,431	4,574	2,920	1,787	54,486		

H. History of Retirees, Beneficiaries, and Disabled Members¹

	Service Retirees				Disability Retirees			Beneficiaries		
Valuation Date	Added	Removed	End of Year	Added	Removed	End of Year	Added	Removed	End of Year	
6/30/1994	1,021	676	18,963	35	39	556	130	63	1,326	
6/30/1995	1,141	680	19,424	34	32	558	152	66	1,412	
6/30/1996	1,344	693	20,075	44	35	567	150	72	1,490	
6/30/1997	1,797	732	21,140	30	31	566	170	74	1,586	
6/30/1998	1,757	728	22,169	27	32	561	187	82	1,691	
6/30/1999	1,965	748	22,386	41	33	569	182	82	1,791	
6/30/2000	2,136	763	24,759	43	32	580	187	79	1,899	
6/30/2001	2,639	759	26,639	45	29	596	189	89	1,999	
6/30/2002	2,262	773	28,128	42	41	597	248	107	2,140	
6/30/2003	2,078	783	29,423	37	30	604	197	115	2,222	
6/30/2004	2,458	829	31,052	54	28	630	482	156	2,548	
6/30/2005	2,639	690	33,001	59	25	664	236	128	2,656	
6/30/2006	2,441	811	34,631	41	34	671	279	127	2,808	
6/30/2007	2,396	770	36,257	41	29	683	241	161	2,888	
6/30/2008	2,596	808	38,045	45	37	691	289	175	3,002	
6/30/2009	2,711	797	39,959	39	32	698	382	139	3,245	
6/30/2010	2,443	873	41,529	49	25	722	297	161	3,381	
6/30/2011	3,141	891	43,779	77	36	763	336	194	3,523	
6/30/2012	2,926	810	45,895	70	30	803	304	181	3,646	
6/30/2013	2,642	891	47,646	68	28	843	332	161	3,817	
6/30/2014	2,868	807	49,707	52	36	859	276	173	3,920	

 $^{\rm 1}$ Valuation results prior to June 30, 2009 were calculated by the prior actuary.

I. History of Cost of Living Increases to Retired Members

Retirement In	Effective Date of First COLA	First COLA Percentage Increase	Total Increases Through January 2014	January 2015 Increase Based on Proposal	Total Increases Through January 2015	Number of Retired Members at 6/30/2014 ¹
1987 & Earlier	Various	Various	80.00%	0.00%	80.00%	2,465
1988	Jan. 1992	4.70%	78.96%	0.58%	80.00%	578
1989	Jan. 1993	3.10%	70.91%	2.00%	74.33%	532
1990	Jan. 1994	3.00%	65.79%	2.00%	69.11%	661
1991	Jan. 1995	2.50%	60.96%	2.00%	64.18%	723
1992	Jan. 1996	3.00%	57.03%	2.00%	60.17%	875
1993	Jan. 1997	2.80%	52.45%	2.00%	55.50%	768
1994	Jan. 1998	2.30%	48.28%	2.00%	51.25%	902
1995	Jan. 1999	1.70%	44.95%	2.00%	47.85%	1,088
1996	Jan. 2000	2.00%	42.52%	2.00%	45.37%	1,546
1997	Jan. 2001	3.70%	39.74%	2.00%	42.53%	1,494
1998	Jan. 2002	3.30%	34.75%	2.00%	37.45%	1,727
1999-2001 ²	Jan. 2003	1.10%	30.46%	2.00%	33.07%	6,274
2000-2002 ³	Jan. 2004	2.10%	29.03%	2.00%	31.61%	2,181
2003	Jan. 2005	3.30%	26.37%	2.00%	28.90%	2,262
2004	Jan. 2006	2.50%	22.35%	2.00%	24.80%	2,537
2005	Jan. 2007	4.30%	19.36%	2.00%	21.75%	2,359
2006	Jan. 2008	2.70%	14.44%	2.00%	16.73%	2,304
2007	Jan. 2009	5.00%	11.42%	2.00%	13.65%	2,460
2008	Jan. 2010	0.00%	6.12%	2.00%	8.24%	2,667
2009	Jan. 2011	0.00%	6.12%	2.00%	8.24%	2,224
2010	Jan. 2012	2.00%	6.12%	2.00%	8.24%	3,132
2011	Jan. 2013	2.00%	4.04%	2.00%	6.12%	2,994
2012	Jan. 2014	2.00%	2.00%	2.00%	4.04%	2,695
2013	Jan. 2015	2.00%		2.00%	2.00%	2,907
2014						211
Total						50,566

¹ Includes Service Retirees and Disabled Retirees only (beneficiaries of deceased members have been excluded) as of June 30, 2014.

² Includes all retirements in 1999, and, because of legislation in 2000 and 2001, all persons retiring between July 1, 2000 and December 31, 2000, and between July 1, 2001 and December 31, 2001.

³ Includes all retirements in 2002, and, because of legislation in 2000 and 2001, all persons retiring between January 1, 2000 and June 30, 2000, and between January 1, 2001 and June 30, 2001.

J.	Distribution of Retire	ed Members by Ty	pe and Monthly	Amount
			-	

Monthly	Service	Disability	Beneficiary	Survivor	Total
Less than \$500	1,353	1	152	225	1,731
\$500-999	2,888	30	346	482	3,746
\$1,000 - 1,499	2,832	117	433	0	3,382
\$1,500 - 1,999	3,195	249	413	0	3,857
\$2,000 - 2,499	4,552	216	380	0	5,148
\$2,500 - 2,999	5,930	128	402	0	6,460
\$3,000 - 3,499	6,440	77	291	0	6,808
\$3,500 - 3,999	6,039	27	229	0	6,295
\$4,000 - 4,499	5,163	8	205	0	5,376
\$4,500 - 4,999	3,965	4	132	0	4,101
\$5,000 -5,499	2,807	0	92	0	2,899
\$5,500 - 5,999	1,748	0	58	0	1,806
\$6,000 & Over	2,795	2	80	0	2,877
Total	49,707	859	3,213	707	54,486

K. Distribution of Retired Members by Type of Benefit¹

Type of Benefit	Number		Annual Benefit	
Service Retirees				
Options 1 & 10 (Life Only)	25,964	\$	1,009,046,110	
Options 2 & 21 (100% J&S with Pop-Up)	13,334		548,721,013	
Options 3 & 31 (75% J&S with Pop-Up)	2,877		129,741,696	
Options 4 & 41 (50% J&S with Pop-Up)	5,042		222,057,836	
Option 5 (10 Years Certain & Life)	1,434		56,462,986	
Option 6 (5 Years Certain & Life)	321		13,402,694	
Options 20 (100% J&S)	551		22,089,719	
Options 30 (75% J&S)	18		1,065,000	
Options 40 (50% J&S)	166		6,845,270	
Total	49,707	\$	2,009,432,324	
Disability Retirees	859	\$	22,249,995	
Beneficiaries	3,920	\$	102,875,454	

¹ Excludes \$5,000 death benefits and tax sheltered annuities

ACTUARIAL ASSUMPTIONS AND METHODS

	Page
A. Actuarial Assumptions	41
B. Actuarial Methods	48

A. Actuarial Assumptions

The assumptions used in the valuation were selected and approved by the PSRS Board of Trustees. The demographic assumptions are reviewed every five years through a study of actual experience. In this way, the actuary provides guidance to in selecting the assumptions. The actuary and other economic and investment professionals also provide advice for selecting the economic assumptions. The most recent comprehensive experience study was completed in 2011 and was based on member experience between June 30, 2005 and June 30, 2010. In our opinion, the assumptions are reasonable for purposes of this valuation.

Inflation

2.50% per annum

Total Payroll Growth

3.50% per annum, consisting of 2.50% inflation, 0.50% additional inflation due to the inclusion of health care costs in pension earnings, and 0.50% of real wage growth

Salary Increases

Service	General Inflation	Health Care Inflation	Longevity	Total Increase
0	2.50%	0.50%	7.00%	10.00%
1-4	2.50%	0.50%	4.00%	7.00%
5	2.50%	0.50%	3.80%	6.80%
6	2.50%	0.50%	3.60%	6.60%
7	2.50%	0.50%	3.40%	6.40%
8	2.50%	0.50%	3.20%	6.20%
9	2.50%	0.50%	3.00%	6.00%
10	2.50%	0.50%	2.80%	5.80%
11	2.50%	0.50%	2.60%	5.60%
12	2.50%	0.50%	2.40%	5.40%
13	2.50%	0.50%	2.20%	5.20%
14-15	2.50%	0.50%	2.00%	5.00%
16-17	2.50%	0.50%	1.90%	4.90%
18-19	2.50%	0.50%	1.80%	4.80%
20-21	2.50%	0.50%	1.70%	4.70%
22-23	2.50%	0.50%	1.60%	4.60%
24-25	2.50%	0.50%	1.50%	4.50%
26	2.50%	0.50%	1.40%	4.40%
27	2.50%	0.50%	1.30%	4.30%
28	2.50%	0.50%	1.20%	4.20%
29	2.50%	0.50%	1.10%	4.10%
30+	2.50%	0.50%	1.00%	4.00%

A. Actuarial Assumptions (continued)

Investment Returns							
Funding:	8% per annum (net of investment and administrative expenses).						
Accounting:	8% per annum (net of investmen	t expenses).					
Cost of Living Adjustments	2.00% per year, based on the cur as measured by the CPI-U index		-	nt a 2.00% COLA whenever annual inflation, ween 0.00% and 5.00%.			
	in-service death payable to spous children pre-retirement death be parent death benefit. Members l	ses (where the s enefit, the depe begin receiving exceed 80% of t	spouse is over a ndent children COLAs on the the original ben	ties. The COLA does not apply to the benefits for ge 60), and does not apply to the spouse with pre-retirement death benefit, or the dependent second January after benefit commencement. efit. Future COLAs for current benefit recipients luation.			
Mortality Rates			-	back one year for males and six years for es per 1,000 members at various ages			
		Age	Male	Female			
		20	0.244	0.131			
		30	0.380	0.171			
		40	0.898	0.342			
		50	1.492	0.782			
		60	4.593	2.237			
		70	15.549	7.955			
				d on the RP 2000 Mortality Table set back one year AA. Illustrative rates per 1,000 members at various			

Age	Male	Female
40	0.898	0.509
50	1.492	1.178
60	4.593	4.099
70	15.549	13.715
80	49.322	37.094
90	156.083	113.562
100	324.963	227.712
110	400.000	351.544

A. Actuarial Assumptions (continued)

Mortality Rates (continued)

For disabled retirees are based on the RP 2000 Disabled Retiree Mortality Table. Illustrative rates per 1,000 members at various ages are as follows:

Age	Male	Female
40	22.571	7.450
50	28.975	11.535
60	42.042	21.839
70	62.583	37.635
80	109.372	72.312
90	183.408	140.049
100	344.556	237.467

Withdrawal Rates

Termination of membership prior to eligibility for retirement from all causes other than death, disability or retirement, whether resulting in a refund or a deferred benefit, is assumed in accordance with the following illustrative rates per 1,000 members: Years of

Years of Service	Rate
0	190
1	105
2	85
3	73
4	62
5	52
10	23
15	12
20	5
25+	0

Disability Rates

Retirement for disability prior to age 60 is assumed in accordance with the following illustrative rates per 1,000 eligible

	Male and
Age	Female Rates
25	0.017
30	0.080
35	0.160
40	0.320
45	0.610
50	0.960
55	1.310

members:

A. Actuarial Assumptions (continued)

Retirement Rates Retirement is assumed in accordance with the following rates per 1,000 eligible members:

Active Member Retirements Prior to July 2014

						Se	rvice					
<u>Age</u>	<=20	<u>21</u>	<u>22</u>	<u>23</u>	<u>24</u>	<u>25</u>	<u>26</u>	<u>27</u>	<u>28</u>	<u>29</u>	<u>30</u>	>=31
<50	0	0	0	0	0	50	50	50	50	50	200	400
50	0	0	0	0	0	50	50	50	50	50	200	400
51	0	0	0	0	0	50	50	50	50	200	200	400
52	0	0	0	0	0	50	50	50	200	200	200	400
53	0	0	0	0	0	50	50	300	200	200	200	400
54	0	0	0	0	0	50	300	200	200	200	200	400
55	50	50	50	50	50	400	200	200	200	200	200	400
56	50	50	50	50	400	200	200	200	200	200	200	400
57	50	50	50	400	200	200	200	200	200	200	200	400
58	50	50	400	200	200	200	200	200	200	200	200	400
59	50	400	200	200	200	200	200	200	200	200	200	400
60	150	150	150	150	150	200	200	200	200	200	200	400
61	150	150	150	150	150	200	200	200	200	200	200	400
62	150	150	150	150	150	200	200	200	200	200	200	400
63	150	150	150	150	150	200	200	200	200	200	200	400
64	150	150	150	150	150	200	200	200	200	200	200	400
65	250	250	250	250	250	400	400	400	400	400	400	400
66	250	250	250	250	250	300	300	300	300	300	300	400
67	250	250	250	250	250	300	300	300	300	300	300	400
68	250	250	250	250	250	300	300	300	300	300	300	400
69	250	250	250	250	250	300	300	300	300	300	300	400
>=70	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

A. Actuarial Assumptions (continued)

Retirement Rates Retirement is assumed in accordance with the following rates per 1,000 eligible members: (continued)

Active Member Retirements After June 2014

						Se	rvice					
<u>Age</u>	<=20	<u>21</u>	<u>22</u>	<u>23</u>	<u>24</u>	<u>25</u>	<u>26</u>	<u>27</u>	<u>28</u>	<u>29</u>	<u>30</u>	>=31
<50	0	0	0	0	0	50	50	50	50	50	450	450
50	0	0	0	0	0	50	50	50	50	50	450	450
51	0	0	0	0	0	50	50	50	50	200	450	450
52	0	0	0	0	0	50	50	50	200	200	450	450
53	0	0	0	0	0	50	50	300	200	200	450	450
54	0	0	0	0	0	50	300	200	200	200	450	450
55	50	50	50	50	50	400	200	200	200	200	450	450
56	50	50	50	50	400	200	200	200	200	200	450	450
57	50	50	50	400	200	200	200	200	200	200	450	450
58	50	50	400	200	200	200	200	200	200	200	450	450
59	50	400	200	200	200	200	200	200	200	200	450	450
60	150	150	150	150	150	200	200	200	200	200	450	450
61	150	150	150	150	150	200	200	200	200	200	450	450
62	150	150	150	150	150	200	200	200	200	200	450	450
63	150	150	150	150	150	200	200	200	200	200	450	450
64	150	150	150	150	150	200	200	200	200	200	450	450
65	250	250	250	250	250	400	400	400	400	400	450	450
66	250	250	250	250	250	300	300	300	300	300	450	450
67	250	250	250	250	250	300	300	300	300	300	450	450
68	250	250	250	250	250	300	300	300	300	300	450	450
69	250	250	250	250	250	300	300	300	300	300	450	450
>=70	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

A. Actuarial Assumptions (continued)

Refund of Contributions	It is assumed that 88% of those leaving after earning 5 years of service, but before retirement age, leave their contributions in the fund and receive a vested benefit. The remaining 12% are assumed to take an immediate refund of their contributions, thus forfeiting their vested retirement benefit. For the remaining 88%, if the present value of the deferred benefit is less than the member account balance, the member's account balance is valued. It is assumed that 100% of those leaving prior to earning 5 years of service will take an immediate refund of their contributions.
Interest on Member Accounts	1.00% per annum.
Service Purchases	A 2.00% load is added to the Normal Cost to account for anticipated losses resulting from service purchases and reinstatements
Provisions for Expenses	There is no specific provision for expenses. The implicit assumption for funding purposes is that investment and administrative expenses are paid from investment income in excess of 8.00% per annum. For accounting purposes the expected return is assumed to be net of investment expenses. Administrative expenses are included in the current year expense.
Dependent Assumptions	80% of male members and 70% of female members are assumed to be married.
	Beneficiaries are assumed to be of the opposite sex from the member.
	Male and Female members are assumed to be 4 years older than their beneficiary.
Survivor Benefits	All active members under age 50 are assumed to have 2 dependent children. Each child is assumed to receive payments of \$860 per month for 18 years if the member is under age 32, and grading down to 0 years if the member is age 50.
Return of Unused Member Account Balance	Under the single life annuity payment option, any unused balance of contributions and interest in the member account balance at the time of death is paid in a lump sum to a designated beneficiary. This benefit is approximated with a 5-year certain benefit.

A. Actuarial Assumptions (continued)

Data Assumptions	Members without a date of birth provided are assumed to be 30 years old. Pensionable pay for members who did not earn service during the past year is assumed to be the greater of the current year's salary, the previous year's salary and \$10,000. Pensionable pay for other active members is assumed to be the greater of annualized pay and \$10,000.
Social Security Coverage	It is assumed that members who are currently employed in positions covered by Social Security will continue to be employed in Social Security covered positions for the remainder of their PSRS tenure. All others are assumed to immediately switch to a position that is not covered by Social Security and receive full PSRS membership credit for future service.
Assumption Changes Since the Prior Valuation	There have been no changes in the actuarial assumptions since the June 30, 2013 valuation.

B. Actuarial Methods

Actuarial Cost Method	The actuarial cost method is Entry Age Normal - Level Percent of Payroll.
	The Normal Cost is calculated separately for each active member and is equal to the level percentage of payroll needed as an annual contribution from entry age to retirement age to fund projected benefits. The Actuarial Accrued Liability on any valuation date is the accumulated value of such Normal Costs from entry age to the valuation date.
Amortization of Unfunded Actuarial Accrued Liability	For funding, gains and losses occurring from census experience different than assumed and assumption changes are amortized over a 30-year period as a level percent of payroll. A new gain or loss base is established each year based on the additional gain or loss during that year and that base is amortized over a new 30-year period. The purpose of the method is to give a smooth progression of the costs from year to year and, at the same time, provide for an orderly funding of the unfunded liabilities.
	Increases in the Actuarial Accrued Liability caused by changes in the benefit provisions are amortized over 20 years, as determined in the 2007 session of the Legislature.
	For accounting, gains and losses occurring from census experience different than assumed and assumption changes are amortized into expense over the average expected future service of all plan participants (actives and inactives). Gains and losses occurring from investment experience different than assumed are amortized into expense over a 5-year period. The effect of plan changes on the plan liability are fully recognized in expense in the year in which they occur.
Asset Valuation Method	The Actuarial Value of Assets is a smoothed value of assets. The actuarial value at June 30 of the prior year is projected by increasing the amount by 8% interest, adding contributions with 8% interest for half the year, and subtracting benefit payments with 8% interest for half the year. 20% of the difference between the actual returns on market value for the year and the expected return from the projection of the prior year actuarial value, along with corresponding amounts from each of the prior four years, is added to the actuarial value.
	For accounting purposes, market value was used.
Changes Since the Prior Valuation	There have been no changes in the actuarial methods since the June 30, 2013 valuation.

SUMMARY OF BENEFIT PROVISIONS

A. Summary of Benefit Provisions

<u>Page</u>

49

A. Summary of Benefit Provisions

Member Contributions	Half the total PSRS contribution rate. For fiscal year 2014, the total PSRS contribution rate is 29.00%.	
Normal (Unreduced) Retirement	t	
Eligibility	Attainment of age 60 with at least five years of Creditable Service, or Completion of 30 years of Creditable Service at any age, or Age plus Creditable Service is at least 80.	
Benefit	2.50% of Final Average Salary for each year of Membership Service. A minimum benefit applies for Members with at least 15 years of Creditable Service and varies from \$600/month at 15 years of Creditable Service to \$1,200/month at 30 years of Creditable Service. Benefits are also subject to a maximum equal to 100% of the Member's Final Average Salary at the time of retirement.	
	Members retiring with at least 31 years of service will receive a benefit based on a 2.55% formula factor. This benefit was extended during the 2013 legislature, but is scheduled to expire on July 1, 2014.	
Compensation	All regular earnings as an employee of a PSRS-covered employer. Compensation or salary includes, but is not limited to, payments for extra duties, overtime payments, career ladder payments, payments for overloads (e.g. extra hours taught) and additional courses, and employer-paid medical, dental and vision insurance premiums for the member.	
Final Average Salary	Average monthly salary over the Member's three highest consecutive years of service. Effective August 28, 2007, the maximum increase in the annual compensation used for the final average salary shall not exceed ten percent.	
Membership Service	Service while a participating member of PSRS. Service is measured each year in relation to full contract salary for that year. Members employed in position that are covered by Social Security receives two-thirds for each year of Membership Service earned in those positions.	
Prior Service	Service in a covered position prior to July 1, 1946. A year of Prior Service is the equivalent of 0.6 years of Membership Service.	
Creditable Service	Membership Service plus any service rendered prior to PSRS inception.	

A. Summary of Benefit Provisions (continued)

Normal Form of Benefit	Single Life Annuity				
	Options available include joint and survivor (50%, 75%, or 100%), term certain (60 or 120 months) and life thereafter, and partial lump sum option (PLSO).				
Early (Age Reduced) Retirement					
Eligibility	Attainment of age 55 and under age 60 with at least five years of creditable service.				
Benefit	Normal retirement benefit accrued to the date of early retirement, actuarially reduced from age 60.				
Special Early Retirement Under Modified Formula					
Eligibility	Retirement at an age under 55 and with at least 25 years of creditable service but not eligible for the Rule of 80.				
Benefit	Based on a percentage of final average salary per year of creditable service. Percentages are as follows:				
	Years of Service	Benefit Percentage			
	25-25.9	2.20%			
	26-26.9	2.25%			
	27-27.9	2.30%			
	28-28.9	2.35%			
	29-29.9	2.40%			
Post-Retirement Death Benefit	Regardless of the form of benefit selected, a lump sum benefit of \$5,000 is paid at the death of the retiree.				
COLA Adjustments	The Board has established a policy of providing a 2.00% COLA for years in which the CPI increases between 0.00% and 5.00%. If the CPI increase is greater than 5.00%, the Board will provide a COLA of 5.00%. If the CPI decreases, no COLA is provided.				
	For any member retiring on or after July 1, 2001, such adjustments commence in the second January after commencement of benefits. The total of such increases may not exceed 80% of the original benefit for any men				

A. Summary of Benefit Provisions (continued)

Disability Benefits

	Definition of Disability	Incapacity for performance of gainful employment after completion of five years of creditable service and before age 60.		
	Benefit	Lifetime benefit equal to 90% of accrued normal retirement benefit. This benefit level is subject to a minimum of 50% salary in the last full year of membership but not greater than the member's accrued normal retirement benefit assuming continuous employment to age 60 at current pay. COLA adjustments similar to those provided to retirees are provided on this benefit.		
	Form of Benefit	If eligible, surviving designated spouse or dependent child or parent may elect a monthly survivor benefit.		
Vesting	5			
El	igibility	Accrual of five years of creditable service.		
Be	enefit	Accrued normal retirement benefit payable at earliest retirement age based on service at date of termination. Benefit is based on formula in effect at commencement of benefit.		
Death/S	Survivor Benefits			
Re	efund	Refund of accumulated member contributions with interest.		
	ependent-Based Survivor enefits	In lieu of the refund, survivors of a member with at least 2 years of service at death may elect the following survivor benefit package:		
		1. Spouse who was married to the deceased member for at least three years and with no dependent children - up to \$860 per month payable after spouse age 60 (immediately if spouse is disabled) and prior to remarriage.		
		2. Spouse with dependent children		
		a. Up to \$860 per month payable to spouse with at least one dependent child under age 18.		
		b. Up to an additional \$430 per month payable for each child under age 18. Benefits continue to the spouse after the child reaches age 18, up to age 24, if the child is a full-time student.		
		c. Family maximum - \$2,160 per month.		

A. Summary of Benefit Provisions (continued)

Death/Survivor Benefits (continued)

Dependent-Based Survivor Benefits (continued)	3.	If no surviving spouse, each eligible child receives up to \$720 per month payable as in 2.b. above, subject to a family maximum of \$2,160.	
	4.	If no surviving spouse or children, a benefit of up to \$720 per month is payable to a dependent parent over age 65, subject to a maximum of \$1,440.	
	No CO	DLA adjustments apply to this benefit.	
Retirement-Based Survivor Benefits	In lieu of the benefits described above, if the member has at least 5 years of membership service at date of dea the designated spouse may receive a survivor benefit based on 100% J&S equivalent of the benefit accrued to of death. The benefit may commence:		
		1. immediately if member is eligible to retire at date of death, or	
		2. at a future retirement date of the deceased member.	
		penefit may be reduced for early commencement if the deceased member would not have been eligible for luced retirement ate that date based on service to date of death.	
	COLA	adjustments similar to those provided to retirees are provided on these benefits.	
Changes in Benefit Provisions	There	have been no changes since the June 30, 2013 valuation.	