

November 2015

State Judiciary/2099
Oregon Public Employees Retirement System

Dear Sir or Madam:

As part of our engagement with the Oregon Public Employees Retirement Board, we performed a system-wide actuarial valuation of the Oregon Public Employees Retirement System (“PERS” or “the System”) as of December 31, 2014. Information is also provided to assist you in preparing your required financial reporting disclosures under Statement 45 of the Governmental Accounting Standards Board. GASB 68 information will be provided separately by PERS and is not included in this report.

This valuation is advisory and does not affect employer contribution rates. Employer contribution rates effective July 1, 2017 through June 30, 2019 will be calculated in the December 31, 2015 actuarial valuation.

This report reflects the System's benefit provisions in effect as of December 31, 2014, as adjusted for the Oregon Supreme Court decision announced in April 2015. The full development of the valuation results for the Retiree Health Insurance Account (RHIA) and Retiree Health Insurance Premium Account (RHIPA) programs can be found in the separate system-wide actuarial valuation report. The State Judiciary does not participate in the OPSRP or IAP Plans.

If you have any questions about this report, please contact Debra Hembree, Actuarial Services Coordinator at Oregon PERS, at 503 603 7704 or Debra.Hembree@state.or.us.

Contents of Report

The executive summary provides the basic information you need including:

- Contribution rates,
- Information to assist you in completing GASB 45 financial reporting requirements, and
- A summary of principal valuation results.

The remainder of the report provides additional information including:

- Detailed development of Tier 1/Tier 2 valuation results,
- A brief summary of methods and assumptions, and
- A brief summary of recent changes in System benefit provisions.

Additional information is provided in the system-wide actuarial valuation report, which is available at www.oregon.gov/PERS/section/financial_reports/financials.shtml.



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State Judiciary/2099

In preparing this report, we relied, without audit, on information (some oral and some in writing) supplied by the System's staff. This information includes, but is not limited to, System benefit provisions as defined by statute, member census data, and financial information. We found this information to be reasonably consistent and comparable with information used for other purposes. The valuation results depend on the integrity of this information. If any of this information is inaccurate or incomplete our results may be different and our calculations may need to be revised.

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

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

Future actuarial measurements may differ significantly from the current measurements presented in this report due to such factors as the following: System experience differing from that anticipated by the economic or demographic assumptions; changes in economic or demographic assumptions; increases or decreases expected as part of the natural operation of the methodology used for these measurements (such as the end of an amortization period or additional cost or contribution requirements based on the System's funded status); and changes in System benefit provisions or applicable law. Due to the limited scope of this assignment, we did not perform an analysis of the potential range of future measurements. The Board has the final decision regarding the appropriateness of the assumptions and adopted them as indicated in September 2015.

Some of the actuarial computations presented in this report are for purposes of estimating the contribution rates effective from July 2017 to June 2019 for System employers. Other actuarial computations presented in this report under GASB Statement No. 45 are for purposes of assisting System employers in fulfilling their financial reporting requirements. The computations prepared for these two purposes may differ as disclosed in our report. The calculations in the enclosed report have been made on a basis consistent with our understanding of the System's funding requirements and goals. The calculations in this report have been made on a basis consistent with our understanding of the System benefit provisions described in the appendixes of this report, and of GASB Statement No. 45. Determinations for purposes other than meeting these requirements may be significantly different from the results contained in this report. Accordingly, additional determinations may be needed for other purposes.



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This report is prepared solely for the use and benefit of the Oregon Public Employees Retirement System, the employer named above, or its auditors solely for the purpose of completing an audit related to the matters herein. To the extent that this report is not subject to disclosure under applicable public records laws, it may not be provided to other third parties without Milliman's prior written consent. Milliman does not intend to benefit or create a legal duty to any third party recipient of this report. Milliman's consent to release this report to any third party may be conditioned on the third party signing a release except for situations where such release is prohibited by law.

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

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

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

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

Additional information is provided in the system-wide actuarial valuation report.

Sincerely,

A handwritten signature in black ink, appearing to read "Matt Larrabee".

Matt Larrabee, FSA, EA, MAAA
Principal and Consulting Actuary

A handwritten signature in black ink, appearing to read "Scott Preppernau".

Scott Preppernau, FSA, EA, MAAA
Principal and Consulting Actuary



ACTUARIAL VALUATION REPORT DECEMBER 31, 2014

OREGON PUBLIC EMPLOYEES RETIREMENT SYSTEM

State Judiciary -- #2099

November 2015

This work product was prepared solely for Oregon Public Employees Retirement System for the purposes stated herein, and may not be appropriate to use for other purposes. Milliman does not intend to benefit and assumes no duty or liability to other parties who receive this work. Milliman recommends that third parties be aided by their own actuary or other qualified professional when reviewing the Milliman work product.

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Executive Summary

Milliman has prepared this report for State Judiciary to:

- Provide summary December 31, 2014 valuation results for the Retiree Health Insurance Account (RHIA) and the Retiree Health Insurance Premium Account (RHIPA),
- Provide advisory information calculated as of December 31, 2014 on estimated employer-specific contribution rates effective July 1, 2017 through June 30, 2019,
- Provide employer-specific valuation results on assets and liabilities as of December 31, 2014, and
- Provide reporting and disclosure information for financial statements for governmental agencies and pursuant to GASB Statement Number 45. GASB 68 information will be provided separately by PERS and is not included in this report.

This report summarizes the valuation results for the RHIA and RHIPA. The full development of these results can be found in the December 31, 2014 system-wide actuarial valuation report. This report develops employer-specific pension rates and applies the results from the system-wide valuation to State Judiciary. In the system-wide actuarial valuation report, pension valuation results for the State Judiciary are included in the Tier 1/Tier 2 valuation results for Independent Employers.

Employer Contribution Rates

The following table summarizes the employer contribution rates calculated as of December 31, 2014.

Advisory 2017 - 2019 Employer Rates Calculated as of December 31, 2014 for State Judiciary

Pension	
Employer normal cost rate	18.50%
UAL rate ¹	(1.44%)
Employer pension contribution rate	17.06%
Member pension contribution rate	7.00%
Total pension contribution rate	24.06%
Retiree Healthcare	
Normal cost rate	0.18%
UAL rate	0.82%
Total retiree healthcare rate	1.00%
Total contribution rate	25.06%

¹ Includes Multnomah Fire District #10 rate.

Executive Summary

Employer Contribution Rates (continued)

Range of Potential Tier 1/Tier 2 Employer Pension Contribution Rates for the July 2017 to June 2019 Biennium

The rate collar limits changes in contribution rates. The table below shows the possible minimum and maximum rates first effective as of July 1, 2017, which will depend on the funded status as of December 31, 2015. If the employer's funded status is less than 60 percent or greater than 140 percent, the rate collar doubles in size. If the employer's funded status is between 60 and 70 percent or between 130 and 140 percent, the size of the rate collar is increased on a graded scale.

For comparison, the funded status as of December 31, 2014 is 91%.

Funded Status as of December 31, 2015	70% to 130%	Under 60% or Over 140%
2015-2017 Normal Cost + Tier 1/Tier 2 UAL Rate	14.06%	14.06%
Minimum 2017-2019 Rate	11.06%	8.06%
Maximum 2017-2019 Rate	17.06%	20.06%

Executive Summary

Accounting Information

Milliman is not an accounting or audit firm and cannot provide accounting advice. Milliman is not responsible for the interpretation of, or compliance with, accounting standards; citations to, and descriptions of accounting standards provided in this report are for reference purposes only. The information provided in this section is intended to assist the employer in completing its financial statements, but any accounting determination should be reviewed by your auditor.

Pension

In June 2012 the GASB issued Statement No. 68, which replaced GASB 27 and governs employer financial reporting for fiscal years beginning after June 15, 2014. The new standard replaced many of the key elements of the prior reporting requirements. Under the new rules, employers are required to record a balance sheet liability for their unfunded pension obligations. In addition, the timing and coordination of plan and employer reporting has changed under the new requirements. GASB 68 information for employers will be provided separately by PERS and is not included in this report.

Executive Summary

Accounting Information (continued)

Schedule of Funding Progress

Under GASB 27, the Schedule of Funding Progress for Tier 1/Tier 2 pension liabilities was reported in the Required Supplementary Information. This schedule is no longer required now that GASB 68 has replaced GASB 27. However, for additional information and the sake of historical comparison, the updated schedule is shown below for the last several valuations. For employers with side accounts, the actuarial value of assets in this Schedule includes the value of the employer's side accounts.

Actuarial Valuation Date	Actuarial Value of Assets (a)	Actuarial Accrued Liability (AAL) (b)	Unfunded AAL (b - a)	Funded Ratio (a ÷ b)	Covered Payroll (c)	UAAL as a Percentage of Covered Payroll ((b-a) ÷ c)
12/31/2009	\$164,586,887	\$190,152,810	\$25,565,923	87%	\$17,662,896	145%
12/31/2010	185,835,730	222,034,366	36,198,636	84%	16,460,304	220%
12/31/2011	179,529,366	227,452,423	47,923,057	79%	16,638,870	288%
12/31/2012	204,859,267	207,638,427	2,779,160	99%	20,868,445	13%
12/31/2013	231,312,188	213,473,100	(17,839,088)	108%	21,431,672	(83%)
12/31/2014	232,929,898	257,229,409	24,299,511	91%	23,415,404	104%

Retiree Healthcare

The Retiree Health Insurance Account (RHIA) and Retiree Health Insurance Premium Account (RHIPA) are cost-sharing pools under GASB 45. Consequently, each employer reports the contractually required contribution. The contractually required contribution for retiree healthcare liabilities for the period July 1, 2015 through June 30, 2017 was calculated as a part of the December 31, 2013 valuation, and is expressed as contribution rates that are applied to the appropriate payroll. The rates are shown in the table below.

	Contractually Required Contribution
RHIA July 1, 2013 to June 30, 2015	0.59%
RHIPA July 1, 2013 to June 30, 2015	0.27%
RHIA July 1, 2015 to June 30, 2017	0.53%
RHIPA July 1, 2015 to June 30, 2017	0.44%

Executive Summary

Principal Valuation Results

A summary of principal valuation results from the current valuation and the prior valuation follows. Any changes in actuarial assumptions, methods or plan provisions between the two valuations are described later in this report. More detailed information can be found in the system-wide actuarial valuation report.

State Judiciary

	Actuarial Valuation as of	
	December 31, 2014	December 31, 2013
Total normal cost	\$5,971,615	\$4,711,808
Valuation payroll	23,415,404	21,431,672
Total normal cost rate (includes member contributions)	25.50%	21.99%
Actuarial accrued liability	\$257,229,409	\$213,473,100
Actuarial asset value	232,929,898	231,312,188
Unfunded actuarial accrued liability	24,299,511	(17,839,088)
Funded status	91%	108%
Combined valuation payroll	\$23,415,404	\$21,431,672
UAL as a percentage of payroll	104%	(83%)
UAL rate (includes Multnomah Fire District #10)	(1.44%)	(0.93%)
Allocated pooled RHIA UAL	186,119	296,637
Allocated pooled RHIPA UAL	545,438	473,394
Active members ¹	192	191
Dormant members	11	9
Retirees and beneficiaries	223	221

¹ Active counts do not include concurrent employees who have a separate dominant employer.

Executive Summary

Principal Valuation Results (continued)

Retiree Healthcare

(\$ in millions)	Actuarial Valuation as of	
	December 31, 2014	December 31, 2013
RHIA		
Normal cost	\$3.5	\$4.0
Tier 1 / Tier 2 valuation payroll	4,933.1	5,073.7
Normal cost rate	0.07%	0.08%
Actuarial accrued liability	\$468.4	\$473.6
Actuarial asset value	395.9	353.5
Unfunded actuarial accrued liability	72.5	120.0
Funded status	85%	75%
Combined valuation payroll	\$9,115.8	\$8,671.8
UAL as a percentage of payroll	1%	1%
UAL rate	0.43%	0.45%

(\$ in millions)	Actuarial Valuation as of	
	December 31, 2014	December 31, 2013
RHIPA		
Normal cost	\$1.6	\$1.3
Tier 1 / Tier 2 valuation payroll	1,406.3	1,434.5
Normal cost rate	0.11%	0.09%
Actuarial accrued liability	\$70.5	\$61.2
Actuarial asset value	7.2	5.2
Unfunded actuarial accrued liability	63.3	55.9
Funded status	10%	9%
Combined valuation payroll	\$2,718.9	\$2,531.5
UAL as a percentage of payroll	2%	2%
UAL rate	0.39%	0.35%

RHIPA liabilities are allocated to State Agencies and the State Judiciary, the only employers participating in the RHIPA program.

Pension Valuation Results

Assets

A summary of the market value of pension assets, and reconciliation from the prior year are shown below.

Summary of Market Value of Pension Assets

	December 31, 2014	December 31, 2013
1. Member reserves	\$31,441,130	\$30,279,509
2. Employer reserves	112,884,072	110,682,198
3. Benefits in force reserve	88,604,697	90,350,482
4. Total market value of assets (1. + 2. + 3.)	\$232,929,898	\$231,312,188

The market value of member and employer reserves is provided by PERS. The benefits in force reserve provided by PERS is allocated each year among employers in proportion to their liabilities for benefits in force.

Reconciliation of Pension Assets

	December 31, 2013 to December 31, 2014
1. Market value of assets at beginning of year	\$231,312,188
2. Regular employer and member contributions	5,038,295
3. Benefit payments and expense	(14,633,725)
4. Adjustments ¹	(4,757,952)
5. Interest credited	15,971,093
6. Total transferred from side accounts	0
7. Market value of assets at end of year (1. + 2. + 3. + 4. + 5. + 6.)	\$232,929,898

¹ Note the adjustment item above includes a reallocation of the benefits in force reserve, transfers to Multnomah Fire District #10, and other adjustments made by PERS.

Pension Valuation Results

Liabilities

Normal Cost

The normal cost represents the value of benefits assigned to the next year of service by the actuarial cost method. If all actuarial assumptions are met, the normal cost represents the amount that would need to be contributed each year to fund plan benefits.

Summary of Normal Cost

	December 31, 2014	December 31, 2013
Total Normal Cost	\$5,971,615	\$4,711,808

Change in Total Normal Cost Due to Changes

The following table shows the impact of the assumption, method, and plan changes on normal cost as of December 31, 2014.

	Before Changes	After Changes	Net Change
Total Normal Cost	\$5,123,352	\$5,971,615	\$848,263

Pension Valuation Results

Liabilities (continued)

Actuarial Accrued Liability

The actuarial accrued liability represents the value of benefits allocated to service performed before the valuation date by the actuarial cost method. If all actuarial assumptions are met, the actuarial accrued liability represents the amount of assets that would need to be accumulated as of the valuation date to provide for the portion of benefits allocated to service already performed.

	December 31, 2014	December 31, 2013
Active Members	\$79,321,756	\$64,908,103
Dormant Members	6,016,736	2,923,195
Retired Members and Beneficiaries	171,890,917	145,641,802
Total Actuarial Accrued Liability	\$257,229,409	\$213,473,100

Change in Actuarial Accrued Liability Due to Changes

The following table shows the impact of the assumption, method, and plan changes on the actuarial accrued liability as of December 31, 2014.

	Before Changes	After Changes	Net Change
Actuarial Accrued Liability	\$222,167,205	\$257,229,409	\$35,062,204

Tier 1/Tier 2 Valuation Results

Unfunded Accrued Liability (UAL)

Summary of UAL

The UAL represents the difference between the assets accumulated and the liability attributed to prior years of service by the cost method.

	December 31, 2014	December 31, 2013
1. Actuarial accrued liability	\$257,229,409	\$213,473,100
2. Actuarial value of assets	232,929,898	231,312,188
3. Unfunded accrued liability (1. – 2.)	24,299,511	(17,839,088)
4. Funded percentage (2. ÷ 1.)	91%	108%
5. Combined valuation payroll	\$23,415,404	\$21,431,672
6. Unfunded accrued liability as % of combined valuation payroll (3. ÷ 5.)	104%	(83%)

Reconciliation of UAL Bases

Beginning with the December 31, 2013 actuarial valuation, each odd-year valuation establishes a 20-year closed-period amortization schedule for outstanding regular Tier 1/Tier 2 UAL amounts. For subsequent odd-year valuations, amortization schedules are calculated based on the total Tier 1/Tier 2 UAL as of that valuation date less the remaining unamortized balance of previously established Tier 1/Tier 2 UAL bases. This even-year advisory valuation shows an estimate of the amortization schedules to be established on December 31, 2015, with the estimate based on experience through the end of 2014. The payment schedules for the unamortized balances as of December 31, 2014 have been modified to reflect the lowering of the investment return assumption first effective with this valuation.

Amortization Base	UAL		Interest	UAL	
	December 31, 2013	Payment		December 31, 2014	Next Year's Payment
December 31, 2013	(\$17,839,088)	(\$1,291,191)	(\$1,329,254)	(\$17,877,151)	(\$1,339,112)
December 31, 2014	N/A	N/A	N/A	\$42,176,662	\$3,051,857
Total				\$24,299,511	\$1,712,745

Pension Valuation Results

Unfunded Accrued Liability (UAL) (continued)

Actuarial Gain or Loss since Prior Valuation

The system-wide actuarial valuation report contains a detailed analysis of gains and losses since the last valuation. The table below shows the gain or loss for the individual employer.

1. Expected actuarial accrued liability	
a. Actuarial accrued liability at December 31, 2013	\$213,473,100
b. Total normal cost at December 31, 2013	4,711,808
c. Benefit payments during 2014	(14,521,017)
d. Interest at 7.75% to December 31, 2014	16,164,058
e. Expected actuarial accrued liability before changes (a. + b. + c. + d.)	219,827,949
f. Change in actuarial accrued liability due to assumption, method, and plan changes	35,062,204
g. Expected actuarial accrued liability at December 31, 2014 (e. + f.)	254,890,153
2. Actuarial accrued liability at December 31, 2014	257,229,409
3. Gain/(loss) on actuarial accrued liability (1.g. - 2.)	(2,339,256)
4. Expected actuarial value of assets	
a. Actuarial value of assets at December 31, 2013	231,312,188
b. Contributions for 2014 ¹	5,038,295
c. Benefit payments and expenses during 2014	(14,633,725)
d. Interest at 7.75% to December 31, 2014	17,554,872
e. Expected actuarial value of assets at December 31, 2014 (a. + b. + c. + d.)	239,271,630
5. Actuarial value of assets at December 31, 2014	232,929,898
6. Gain/(loss) on actuarial value of assets (5. - 4.e.)	(6,341,731)
7. Total actuarial gain/(loss) (3. + 6.)	(\$8,680,987)

Unfunded Accrued Liability Reconciliation

A reconciliation of the Tier 1/Tier 2 UAL from December 31, 2013 is provided below.

1. UAL at December 31, 2013	(\$17,839,088)
2. Expected increase	(1,604,592)
3. Liability (gain)/loss	2,339,256
4. Asset (gain)/loss	6,341,731
5. Change due to changes in assumptions, methods, and plan provisions	35,062,204
6. UAL at December 31, 2014 (1. + 2. + 3. + 4. + 5.)	\$24,299,511

¹ Excludes contributions for Multnomah Fire District.

Pension Valuation Results

Contribution Rate Development

Normal Cost Rate

For State Judiciary, the total normal cost calculated previously is divided by projected payroll to determine a total normal cost rate. The member contribution rate is subtracted from the total normal cost rate to determine the employer normal cost rate. The table below shows the development of the rate.

Development of Normal Cost Rate

	December 31, 2014			December 31, 2013		
	Normal Cost	Employer Tier 1/Tier 2 Valuation Payroll	Normal Cost Rate	Normal Cost	Employer Tier 1/Tier 2 Valuation Payroll	Normal Cost Rate
Total normal cost	\$5,971,615	\$23,415,404	25.50%	\$4,711,808	\$21,431,672	21.99%
Member contribution rate			(7.00%)			(7.00%)
Employer normal cost rate			18.50%			14.99%

Pension Valuation Results

Contribution Rate Development (continued)

Development of UAL Rates

The UAL rate is determined by calculating the next year's scheduled payment to the UAL as a percentage of combined valuation payroll.

	December 31, 2014	December 31, 2013
1. Total UAL	\$24,299,511	(\$17,839,088)
2. Next year's UAL payment	1,712,745	(1,291,191)
3. Combined valuation payroll	23,415,404	21,431,672
4. UAL rate (2. ÷ 3)	7.31%	(6.02%)

Pension Valuation Results

Contribution Rate Development (continued)

Pension Contribution Rate Summary (Pre-Rate Collar)

The following table summarizes the employer's pension contribution rate.

	Advisory July 1, 2017 Rates calculated as of December 31, 2014	July 1, 2015 Rates calculated as of December 31, 2013
1. Employer pension contribution rates		
a. Employer Normal Cost Rate	18.50%	14.99%
b. UAL rate	7.31%	(6.02%)
c. Multnomah Fire District #10 rate	0.15%	0.15%
d. Total employer pension rate (a. + b. + c.)	25.96%	9.12%
2. Member pension contribution rate	7.00%	7.00%
3. Total pension contribution rate	32.96%	16.12%

Pension Valuation Results

Contribution Rate Development (continued)

Adjustments Due to Rate Collar

Employer contribution rates are generally limited to change by no more than the greater of 3 percent of payroll or 20 percent from the current contribution rate. However, if the funded percentage excluding side accounts is below 60 percent or above 140 percent the rate collar doubles in size. If the funded percentage excluding side accounts is between 60 and 70 percent or between 130 and 140 percent, the size of the collar is increased on a graded scale.

The table below shows the current contribution rate for the period from July 1, 2015 through June 30, 2017, develops the maximum and minimum advisory contribution rates effective July 1, 2017 based on the collar, and calculates the net adjustment due to the collar.

1. Current total pension contribution rate	21.06%
2. Current member contribution rate	7.00%
3. Current employer pension contribution rate (1. - 2.)	14.06%
4. Size of rate collar	
a. 20% of current employer contribution rate (20% x 3.)	2.81%
b. Preliminary size of rate collar (maximum of 3% or a.)	3.00%
c. Funded percentage	91%
d. Size of rate collar (If c. < 60% or c. > 140%, 2 x b. If c. is 70%-130%, b. Otherwise, a graded rate between b. and 2 x b.)	3.00%
5. Advisory July 1, 2017 minimum employer contribution rate (3. - 4.d.)	11.06%
6. Advisory July 1, 2017 maximum employer contribution rate (3. + 4.d.)	17.06%
7. Advisory July 1, 2017 total employer pension rate, before adjustment	25.96%
8. Net adjustment due to rate collar (5. - 7., but not < 0, or 6. - 7., but not > 0)	(8.90%)
9. Advisory July 1, 2017 pension UAL rate, before collar	7.31%
10. Advisory July 1, 2017 pension UAL rate, after collar (8. + 9.)	(1.59%)
11. Advisory July 1, 2017 total employer pension rate, after collar (7. + 8.)	17.06%

Pension Valuation Results

Contribution Rate Development (continued)

Pension Contribution Rate Summary (Post Rate Collar)

The table below summarizes the employer's pension contribution rate for Tier 1 /Tier 2 after adjustments for the rate collar.

	Advisory July 1, 2017 Rates calculated as of December 31, 2014	July 1, 2017 Rates calculated as of December 31, 2013
1. Employer pension contribution rates		
a. Employer normal cost rate	18.50%	14.99%
b. UAL rate	(1.59%)	(1.08%)
c. Multnomah FD #10 rate	0.15%	0.15%
d. Total employer pension rate <i>(a. + b. + c., minimum 0.00%)</i>	17.06%	14.06%
2. Member pension contribution rate	7.00%	7.00%
3. Total pension contribution rate	24.06%	21.06%

Data

Demographic Information

State Judiciary Member Census

	December 31, 2014	December 31, 2013
Active Members ¹	192	191
Active Members with previous service segments with the employer	0	0
Dormant Members	11	9
Retired Members and Beneficiaries	223	221
Grand Total Number of Members	426	421

¹ Active counts do not include concurrent employees who have a separate dominant employer.

Data

Demographic Information (continued)

State Judiciary Active Members as of December 31, 2014

Age	Years of Service									Total
	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40+	
<20										
20-24										
25-29										
30-34	1									1
35-39	1	1								2
40-44	4	1	2	1						8
45-49	17	8	1	3	2					31
50-54	9	5	6	6	5					31
55-59	9	2	7	5	6	4				33
60-64	4	8	12	9	11	7	1	3		55
65-69	1	2	4	7	6	6	2			28
70-74				2				1		3
75+										
Total	46	27	32	33	30	17	3	4	0	192

Distribution of State Judiciary Dormant Members

Distribution of State Judiciary Retired Members and Beneficiaries

Age	Count	Average Deferred Monthly Benefit	Age	Count	Average Monthly Benefit
<20			<45		
20-24			45-49		
25-29			50-54		
30-34			55-59		
35-39			60-64	18	5,731
40-44			65-69	56	6,653
45-49			70-74	51	5,810
50-54	1	4,584	75-79	24	5,871
55-59	2	6,808	80-84	29	5,462
60-64	3	5,742	85-89	28	5,259
65-69	3	287	90-94	11	4,033
70-74			95-99	5	4,003
75+	2	4,951	100+	1	2,438
Total	11	4,199	Total	223	5,764

Brief Summary of Actuarial Methods and Assumptions

A detailed summary of the actuarial methods and assumptions used to prepare the December 31, 2014 valuation can be found in the system-wide actuarial valuation report.

Actuarial Methods and Valuation Procedures

A brief summary of the methods used in this valuation is shown below:

<i>Actuarial cost method</i>	Entry Age Normal.
<i>Amortization Method</i>	<p>The UAL is amortized as a level percentage of combined payroll.</p> <p>The OPSRP UAL as of December 31, 2007 and experience in each subsequent biennium is amortized over a closed 16 year period.</p> <p>The Retiree Healthcare UAL as of December 31, 2007 and experience in each subsequent biennium is amortized over a closed 10 year period.</p> <p>All existing Tier 1/Tier 2 UAL was re-amortized over a 20 year period as of the December 31, 2013 rate-setting valuation. Gains and losses between subsequent odd-year valuations will be amortized as a level percentage of projected combined valuation payroll over a closed 20 year period.</p>
<i>Asset valuation method</i>	Market value of assets, excluding reserves.
<i>Contribution rate stabilization method (rate collar)</i>	<p>Contribution rates for a rate pool (e.g. Tier 1/Tier 2 SLGRP, Tier 1/Tier 2 School Districts, OPSRP) or independent employer are confined to a collar based on the rate pool's prior pension contribution rate (excluding side account rate offsets). The new contribution rate generally will not increase or decrease from the prior contribution rate by more than the greater of 3 percent of payroll or 20 percent of the current rate. If the funded percentage excluding side accounts drops below 60% or increases above 140%, the size of the collar doubles. If the funding percentage excluding side accounts is between 60% and 70% or between 130% and 140%, the size of the rate collar is increased on a graded scale.</p>

Economic Assumptions

A brief summary of the key economic assumptions used in this valuation is shown below:

<i>Net investment return</i>	7.50% compounded annually on system assets.
<i>Interest crediting</i>	<p>7.50% compounded annually on members' regular account balances starting in 2015.</p> <p>7.50% compounded annually on members' variable account balances starting in 2015.</p>
<i>Consumer price inflation</i>	2.50% per year.
<i>Future general wage inflation</i>	3.50% per year.
<i>Healthcare cost inflation</i>	Ranging from 7.0% in 2015 to 4.4% in 2094.
<i>Administrative Expenses</i>	<p>\$5.5 million added to OPSRP normal cost.</p> <p>\$33.0 million added to Tier 1/Tier 2 normal cost.</p>

Brief Summary of Actuarial Methods and Assumptions

Changes Since Last Valuation

The key changes since the December 31, 2013 actuarial valuation are described briefly below and are described in additional detail in the system-wide actuarial valuation report.

Changes in Actuarial Methods and Valuation Procedures

- **Allocation of Liability for Service Segments**

For allocating Tier 1/Tier 2 liability among multiple employers, the weighting between Money Match and Full Formula methodologies was updated to reflect expected future experience.

Changes in Economic Assumptions

- **Investment Return and Interest Crediting**

The assumed investment return and interest crediting to both regular and variable account balances was reduced from 7.75% to 7.50%.

- **Inflation**

The inflation assumption was reduced from 2.75% to 2.50%.

- **Payroll Growth**

The assumed payroll growth rate was reduced from 3.75% to 3.50%.

- **Tier 1/Tier 2 Administrative Expenses**

Administrative expenses for the Tier 1/Tier 2 System are assumed to be \$33.0 million per year.

Changes in Demographic Assumptions

- **Mortality**

The healthy mortality assumption is based on RP2000 generational mortality tables with group-specific class and setback adjustments. The group-specific adjustments have been updated to more closely match system experience and the future projection of mortality has been changed to use mortality improvement Scale BB.

- **Disability, Retirement, and Termination**

Rates for the disability, retirement, and termination assumptions were adjusted.

A complete summary of all assumptions used as part of the December 31, 2014 actuarial valuation is contained in the system-wide actuarial valuation report.

Brief Summary of Changes in Plan Provisions

The following change in plan provisions occurred since the December 31, 2013 actuarial valuation. A complete summary of the Tier 1/Tier 2, OPSRP, RHIA, and RHIPA plan provisions valued is provided as part of the system-wide actuarial valuation report.

- The Oregon Supreme Court decision in *Moro v. State of Oregon* stated that the reduced COLA amounts provided by Senate Bills 822 and 861 (both passed in 2013) only apply to benefits earned after the effective date of the legislation. As a result, PERS members who performed service both before and after the effective date will receive a blended COLA rate reflecting the differing COLA provisions applicable to each service period.

Glossary

Actuarial Accrued Liability

The portion of the present value of prospective benefits allocated to service and compensation before the valuation date in accordance with the actuarial cost method.

Actuarial Asset Value

The value of assets used in calculating the required contributions. The actuarial asset value may be equal to the fair market value of assets, or it may spread the recognition of certain investment gains or losses over a period of years in accordance with an asset valuation method.

Actuarial Assumptions

Assumptions as to the occurrence of future events affecting pension costs, such as: mortality, withdrawal, disablement and retirement; rates of investment earnings and other relevant items.

Actuarial Cost Method

Sometimes called “funding method,” a particular technique used by actuaries to establish the amount and incidence of the annual actuarial cost of pension plan benefits, or normal cost, and the related unfunded actuarial accrued liability. Ordinarily, the annual contribution to the plan comprises the normal cost and an amount for amortization of the unfunded actuarial accrued liability.

Actuarial Gain or (Loss)

A measure of the difference between actual experience and that expected based upon a set of actuarial assumptions, during the period between two actuarial valuation dates, as determined in accordance with a particular actuarial cost method.

Combined Valuation Payroll

Projected payroll subject to PERS employer contribution rates for the calendar year following the valuation date for both Tier 1/Tier 2 and OPSRP active members. This payroll is used to calculate UAL rates.

Cost Sharing Multiple-Employer Plan

A single plan used to provide pensions to the employees of more than one employer wherein pension obligations are pooled and plan assets can be used to pay the benefits of the employees of any employer that provides pension through the plan.

Employer Contribution Rate

Consists of the normal cost rate and the UAL rates, plus adjustments for other items such as side account rate offsets.

Funded Status

The actuarial value of assets expressed as a percentage of the actuarial accrued liability.

Normal Cost

The annual cost allocated to the current year, under the actuarial cost method in use. The normal cost divided by the applicable payroll is the normal cost rate.

OPSRP Valuation Payroll

Projected payroll subject to PERS employer contribution rates for the calendar year following the valuation date for OPSRP active members. This payroll is used to calculate OPSRP normal cost rates.

Glossary

Pre-SLGRP Liability

The sum of Pre-SLGRP Pooled Liabilities and Transition Liabilities.

Pre-SLGRP Pooled Liability

The difference between the total UAL and the UAL attributable to the SLGRP for a pool of employers that joined the SLGRP. There are currently two pre-SLGRP pools. One was created for State Agencies and Community Colleges when the SLGRP was formed. The other one was created when the Local Government Rate Pool joined the SLGRP.

Present Value

Sometimes called “actuarial present value,” the estimated cost (as of the valuation date) of a series of future payments. The present value is determined by discounting the future payments at a predetermined rate of interest, taking into account the probability of payment.

Rate Collar

A methodology that defines the maximum permissible period-to-period change in the base employer contribution rate. The width of the rate collar is determined by the current contribution rate and funded status.

Required Supplementary Information (RSI)

Schedules, statistical data, and other information that are an essential part of financial reporting and should be presented with, but are not part of, the basic financial statements of a governmental entity.

Statement No. 27 of the Governmental Accounting Standards Board (GASB 27)

The accounting standard governing a state or local governmental employer’s accounting for pensions prior to GASB 68.

Statement No. 45 of the Governmental Accounting Standards Board (GASB 45)

The accounting standard governing a state or local governmental employer’s accounting for post-employment benefits other than pensions.

Statement No. 68 of the Governmental Accounting Standards Board (GASB 68)

The accounting standard governing a state or local governmental employer’s accounting for pensions for fiscal years beginning after June 15, 2014.

Tier 1/Tier 2 Valuation Payroll

Projected payroll subject to PERS employer contribution rates for the calendar year following the valuation date for Tier 1 and Tier 2 active members. This payroll is used to calculate the Tier 1/Tier 2 normal cost rate.

Transition Liability

The difference between the total UAL and the UAL attributable to the SLGRP for an individual employer that joined the SLGRP or the Local Government Rate Pool.

Unfunded Accrued Liability (UAL)

The excess of the Actuarial Accrued Liability over the Actuarial Value of Assets. The UAL is divided by combined valuation payroll and an amortization factor to determine an initial pre-collar UAL rate. The final UAL rate can be adjusted by the rate collar.



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